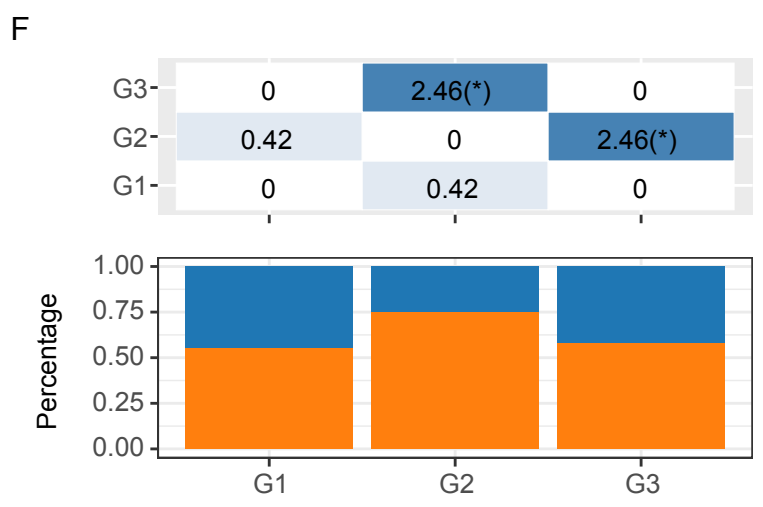
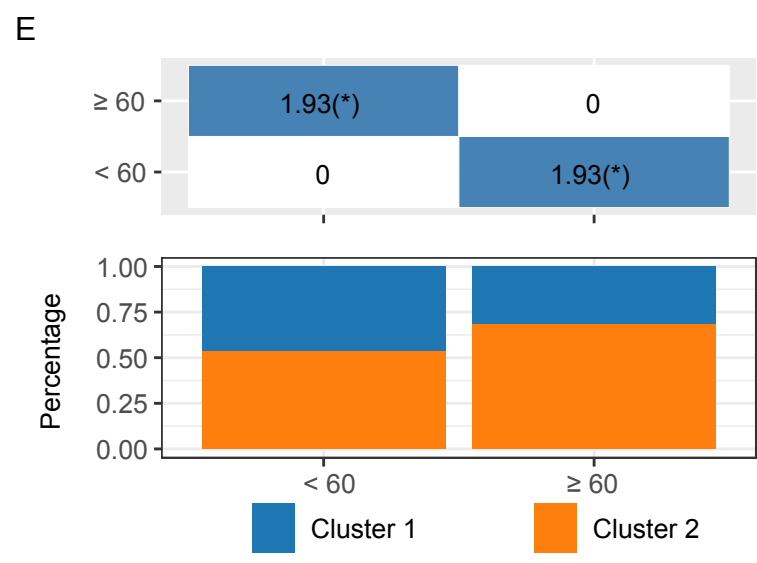
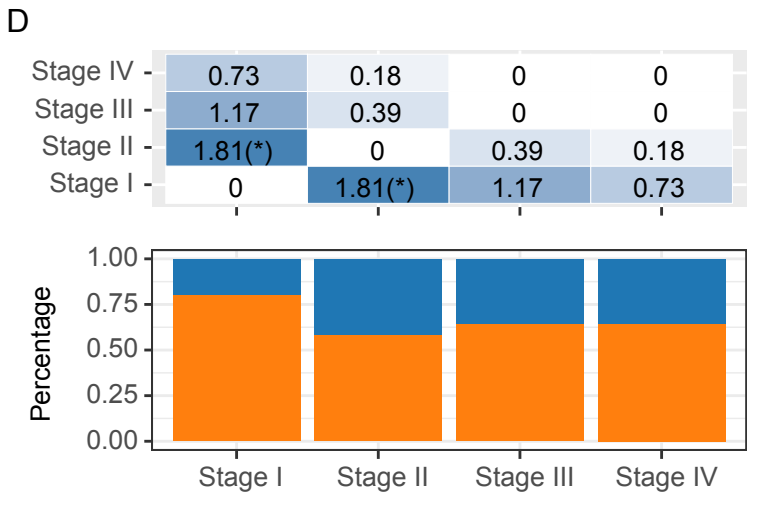
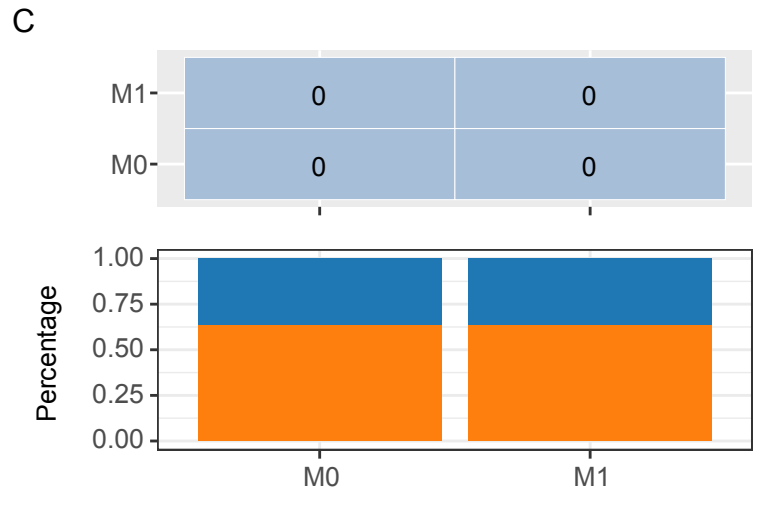
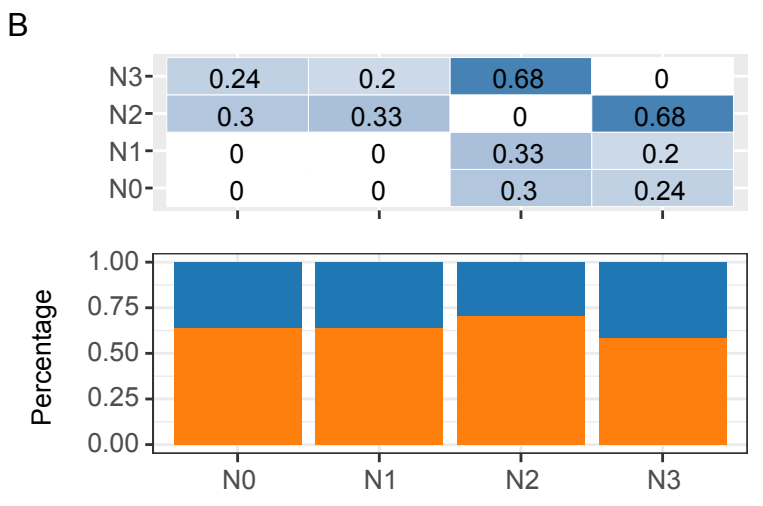
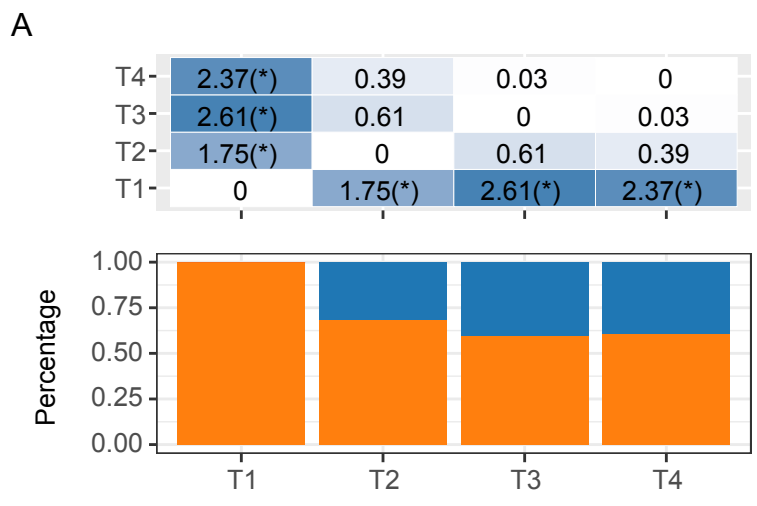
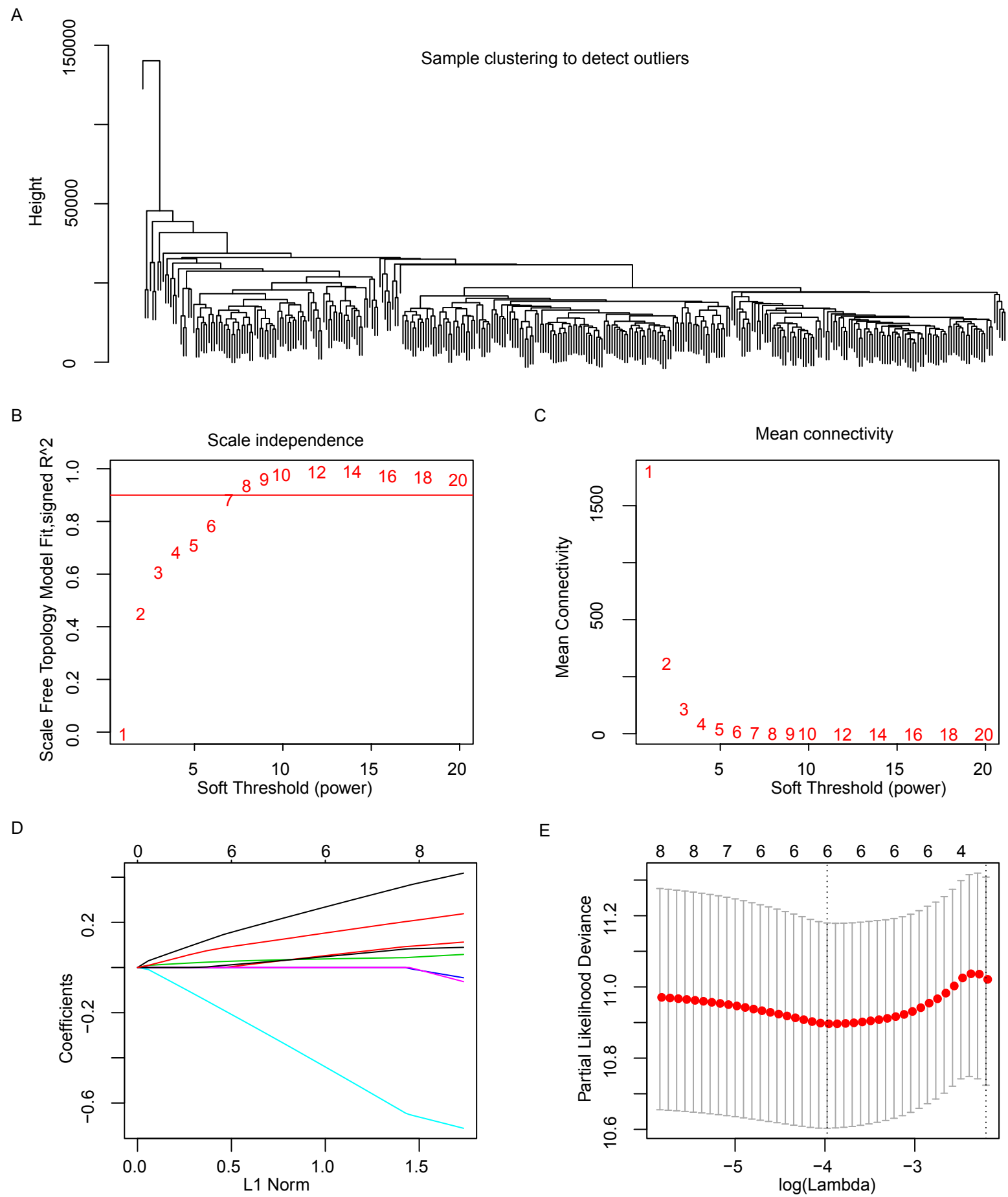


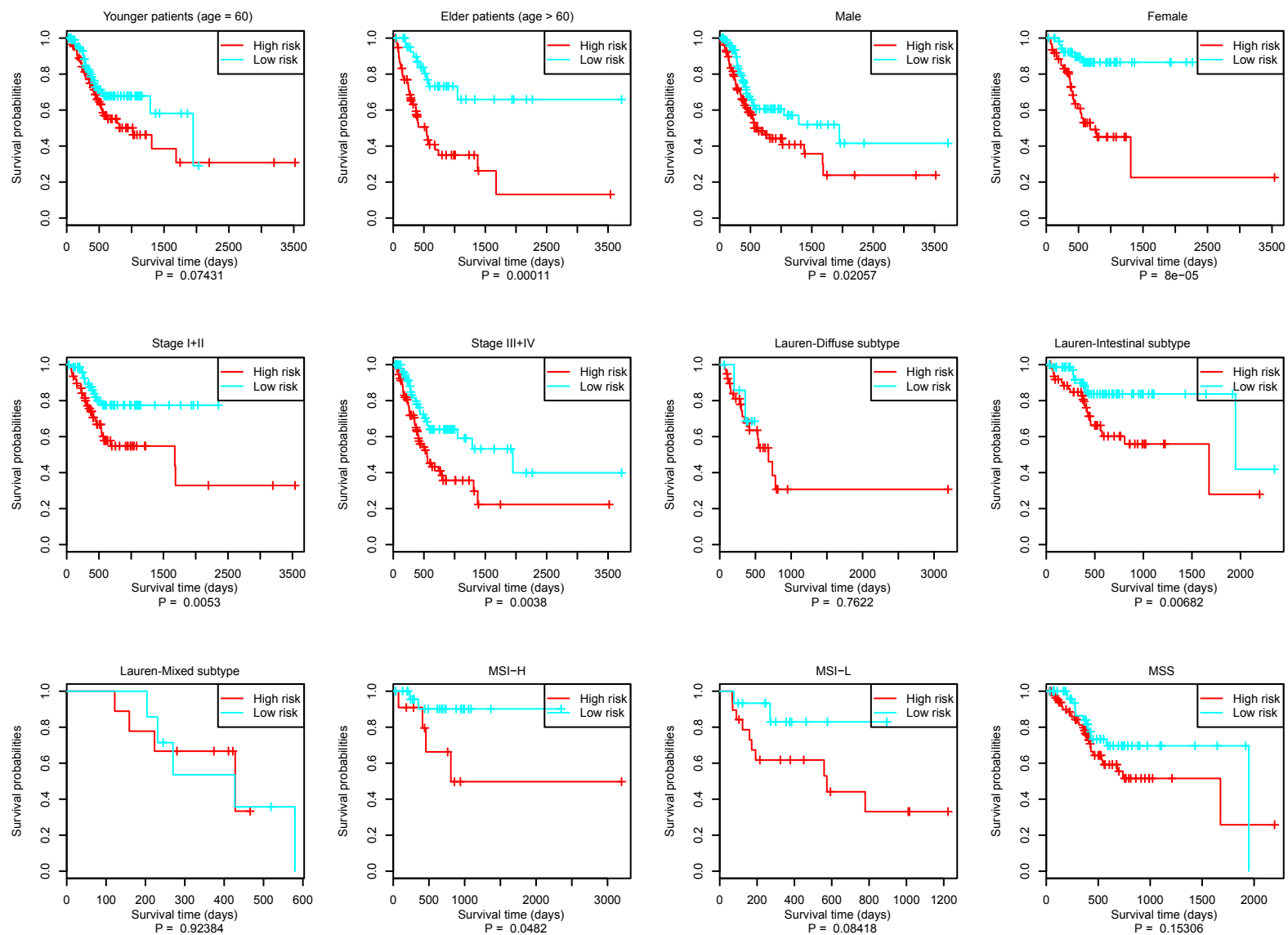
Supplementary Figure S1. Distribution of clinicopathological parameters in the three subtypes.



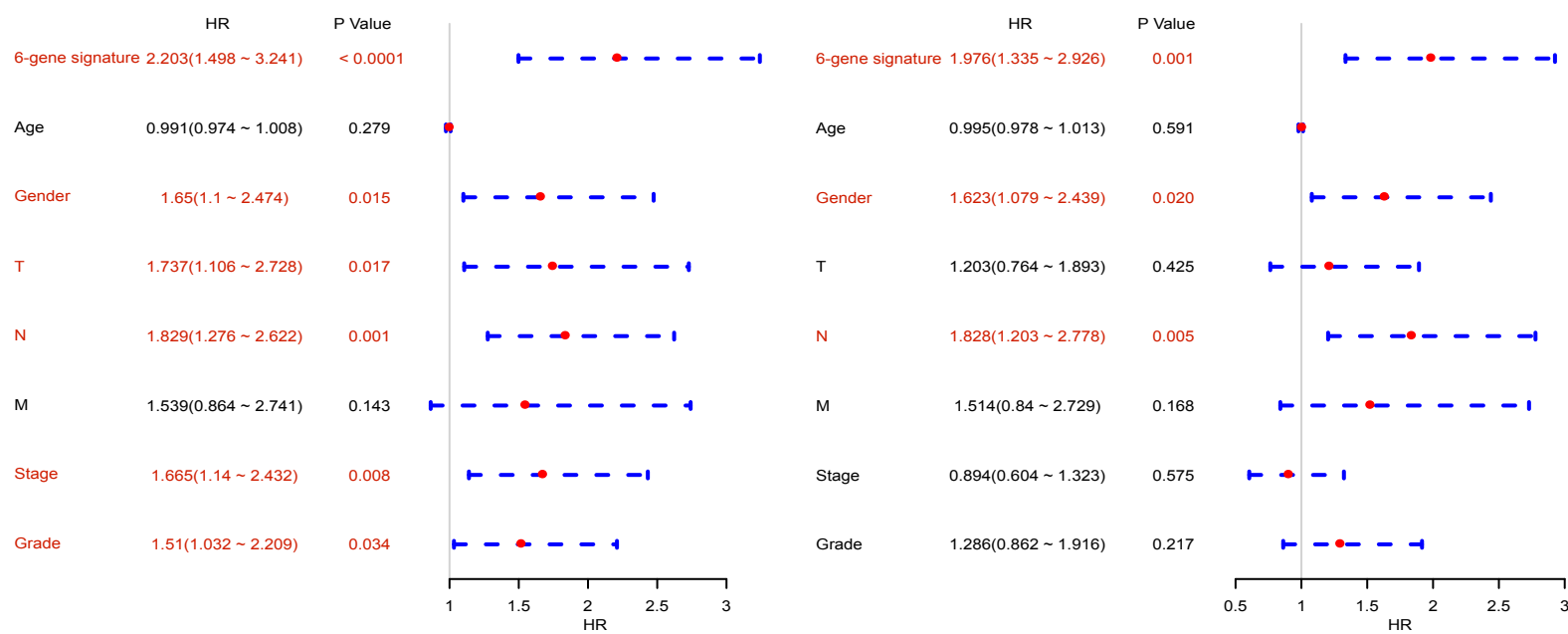
Supplementary Figure S2. Establishment of the prognostic model with LASSO penalty.



A

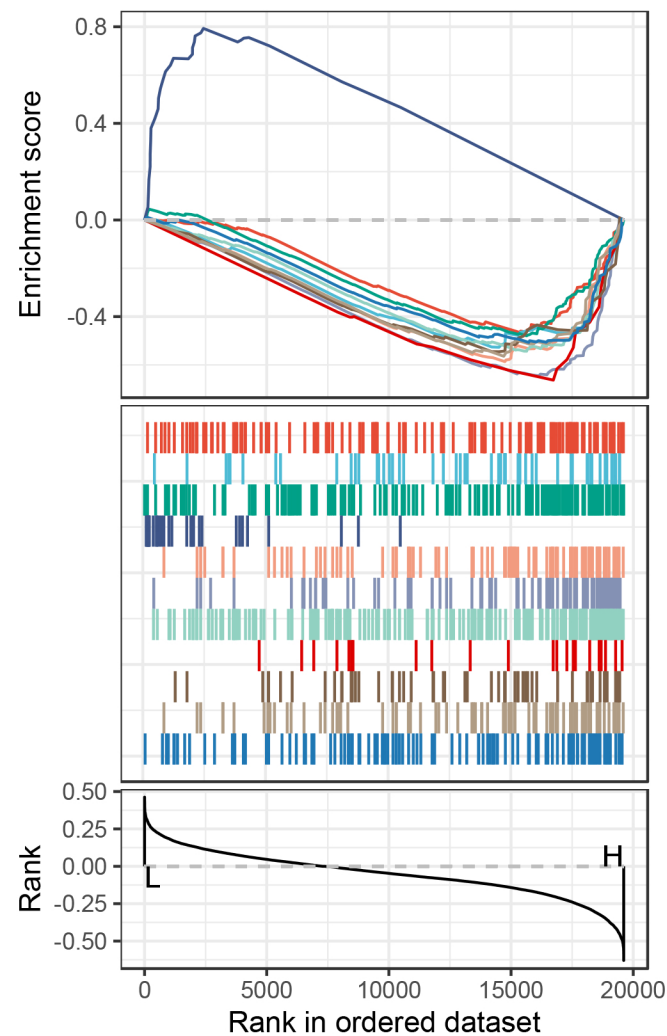


B



Supplementary Figure S4. ssGSEA result according to the risk-score of STAD samples in TCGA dataset

Enrichment plot KEGG terms



Term

- ECM_RECEPTOR_INTERACTION
ES=-0.66, NES=-2.1, P=0, FDR=0.011
- DILATED_CARDIOMYOPATHY
ES=-0.6, NES=-2, P=0, FDR=0.016
- FOCAL_ADHESION
ES=-0.55, NES=-2, P=0, FDR=0.02
- HYPERTROPHIC_CARDIOMYOPATHY_HCM
ES=-0.57, NES=-2, P=0, FDR=0.016
- HEDGEHOG_SIGNALING_PATHWAY
ES=-0.56, NES=-2, P=0, FDR=0.021
- GLYCOSAMINOGLYCAN_BIOSYNTHESIS_CHONDROITIN_SULFATE
ES=-0.72, NES=-1.9, P=0, FDR=0.02
- CALCIUM_SIGNALING_PATHWAY
ES=-0.49, NES=-1.9, P=0, FDR=0.045
- BASAL_CELL_CARCINOMA
ES=-0.54, NES=-1.9, P=0, FDR=0.047
- VASCULAR_SMOOTH_MUSCLE_CONTRACTION
ES=-0.52, NES=-1.9, P=0.0056, FDR=0.042
- AXON_GUIDANCE
ES=-0.47, NES=-1.8, P=0.0019, FDR=0.049
- CITRATE_CYCLE_TCA_CYCLE
ES=0.79, NES=2.1, P=0.0019, FDR=0.035

Supplementary Table 1. Pathways associated with energy metabolism in the Reactome pathway database

Metabolic pathways from Reactome	PathwayID	Gene Count
Biological oxidations	R-HSA-211859	216
Metabolism of carbohydrates	R-HSA-71387	290
Mitochondrial Fatty Acid Beta-Oxidation	R-HSA-77289	37
Glycogen synthesis	R-HSA-3322077	16
Glycogen metabolism	R-HSA-8982491	27
Glucose metabolism	R-HSA-70326	90
Glycogen breakdown (glycogenolysis)	R-HSA-70221	15
Glycolysis	R-HSA-70171	71
Pyruvate metabolism	R-HSA-70268	31
Pyruvate metabolism and Citric Acid (TCA) cycle	R-HSA-71406	55
Citric acid cycle (TCA cycle)	R-HSA-71403	22
Sum	871(unique:587)	

Supplementary Table S2. EMRGs significantly associated with the prognosis of STAD patients

Gene	P value	Harzard ra	Low 95%C	High 95%CI
AADAC	0.003042	1.005264	1.001779	1.008761
ABO	0.021893	0.987709	0.977319	0.998209
ACADL	0.013763	1.414623	1.073459	1.864214
ACADM	0.025697	0.979027	0.960963	0.99743
ACADS	0.016193	0.988487	0.979201	0.997861
ACOT12	0.009076	2.464784	1.251647	4.853734
ACSM2A	0.047736	1.435975	1.003616	2.054595
ACSM6	0.025981	1.863042	1.077329	3.221788
ACSS2	0.037619	0.992049	0.98461	0.999543
ADH4	0.045848	1.001896	1.000035	1.00376
AKR1A1	0.006522	0.991844	0.986008	0.997714
AKR1B1	0.00092	1.009843	1.00401	1.015711
BCAN	0.01848	0.837916	0.723281	0.97072
BGN	0.04807	1.000268	1.000002	1.000534
CES2	0.032098	0.997587	0.995385	0.999793
CES3	0.007245	0.972747	0.953326	0.992564
CHST12	0.044701	1.08055	1.001834	1.165451
CHST14	0.009813	1.024263	1.005795	1.04307
CHST9	0.01812	1.129815	1.021042	1.250175
CRYL1	0.011201	0.989223	0.980975	0.997541
CYB5B	0.005964	0.988678	0.980685	0.996735
CYP11A1	0.004953	1.395576	1.10609	1.760826
CYP11B1	0.015722	4.331676	1.318335	14.23266
CYP1A2	0.042188	1.803694	1.021033	3.186293
CYP1B1	0.026274	1.006538	1.000769	1.012341
CYP21A2	0.014768	1.670086	1.105795	2.522335
CYP26C1	0.007626	7.598595	1.713082	33.70455
CYP3A43	0.004677	2.489196	1.323171	4.682764
CYP46A1	0.000363	2.315093	1.459381	3.672552
CYP4A11	0.025778	1.254914	1.027836	1.53216
CYP4F3	0.010218	1.014891	1.003508	1.026404
DECR1	0.018517	0.988702	0.979396	0.998095
DLAT	0.04674	0.988019	0.976351	0.999826
DPEP2	0.024512	1.090883	1.011242	1.176796
DSEL	0.036537	1.078484	1.004743	1.157637
FDX2	0.019869	1.080533	1.012343	1.153315
FUT10	0.037012	0.937072	0.88155	0.996092
FUT3	0.034368	0.994968	0.990329	0.999629
FUT4	0.046862	0.989216	0.978696	0.99985
FUT5	0.004553	35.01525	3.00212	408.4007
GAPDHS	0.033727	6.654721	1.156985	38.27648
GCK	0.002683	1.213266	1.069398	1.376488
GGT5	0.008232	1.007099	1.001829	1.012397
GLB1L	0.002644	1.035732	1.012294	1.059712
GOT1	0.007229	0.991186	0.984804	0.99761
GSTM4	0.039139	0.987059	0.974918	0.999351
GYS2	0.042678	1.132896	1.004126	1.278179
HADH	0.002342	0.986307	0.977588	0.995105
IDS	0.034791	1.00656	1.000467	1.01269
KHK	0.030191	0.960991	0.92703	0.996196

L2HGDH	0.022488	0.922361	0.860509	0.988659
MAT1A	7.78E-06	1.045488	1.025299	1.066076
MCAT	0.044417	0.978776	0.958515	0.999465
ME2	0.028497	0.97606	0.955124	0.997454
MPC1	0.038895	0.99178	0.984042	0.999579
NDC1	0.028232	0.988562	0.978454	0.998773
NDST3	0.024676	4.023863	1.194279	13.55753
NNMT	0.013972	1.003098	1.000627	1.005575
NUP50	0.028436	0.982112	0.966382	0.998097
OPLAH	0.012325	0.990742	0.983552	0.997985
PC	0.009367	1.032147	1.007804	1.057077
PDHA1	0.024439	0.988776	0.979102	0.998545
PFKFB1	0.000372	1.430787	1.174622	1.742818
PFKFB4	0.042977	0.945093	0.894796	0.998217
PGK1	0.029587	0.997659	0.995555	0.999768
PGM2	0.022859	0.982775	0.968179	0.997592
PHKG1	0.012073	1.102407	1.021595	1.189612
PPP2R5D	0.039467	0.992625	0.985657	0.999643
PRPS1L1	0.035636	2.455759	1.062191	5.677655
RHCE	0.026169	1.54242	1.05274	2.259873
RPEL1	0.00357	2.353411	1.323357	4.185223
SDHA	0.02262	0.989699	0.980927	0.998548
SDHD	0.019119	0.993609	0.988295	0.998952
SGSH	0.020464	1.030139	1.004594	1.056334
SLC25A13	0.041478	1.006217	1.000239	1.01223
SLC35D2	0.01426	0.987588	0.977772	0.997502
ST3GAL6	0.032988	1.078408	1.006117	1.155892
STAB2	0.038325	1.244086	1.011815	1.529676
SULT2A1	0.005124	1.005825	1.001743	1.009925
TPMT	0.02368	0.990759	0.982822	0.99876
UGT1A4	0.002384	4.87793	1.754573	13.56125
UGT1A7	0.002688	1.129603	1.043191	1.223173
UGT2B10	0.017168	1.26373	1.042434	1.532005
UGT2B28	0.039613	1.41737	1.016716	1.975907
UGT3A2	0.003096	1.029433	1.009836	1.049411
VCAN	0.045887	1.004413	1.00008	1.008763

Supplementary Table 3. The correlation between clinical phenotypes and the obtained modules as well as the genes of the modules

Genes	GS.Gender	GS.Age	GS.T	GS.N	GS.M	GS.Stage	GS.Cluster1	GS.Cluster2
RAB4B	-0.00186909	0.06427724	-0.06881437	-0.09656811	-0.01954804	-0.06886423	0.05660536	-0.05660536
TIGAR	-0.07384318	0.0564691	0.18737322	0.00905394	-0.02798971	0.09106956	-0.0589429	0.0589429
RNF44	0.04594685	0.0704464	-0.01876245	0.01752271	0.04389723	0.07206558	-0.03652138	0.03652138
RPL23A	-0.07388757	-0.02327254	-0.03457557	-0.04286813	0.01301543	0.03920568	0.02017191	-0.02017191
ARL8B	-0.01941042	-0.02777711	0.12084806	0.05278927	-0.0044896	0.04824367	0.03844526	-0.03844526
CALB2	0.00446001	-0.0031687	-0.02457867	0.04336582	0.05255557	0.04523357	-3.97E-05	3.97E-05
MFSD3	-0.02014724	0.10316072	-0.08950102	-0.04236116	-0.01289341	-0.00153931	-0.2191355	0.2191355
PIGV	0.05949519	0.00173388	0.02435471	-0.01253617	0.02843295	0.03059129	-0.08806913	0.08806913
ZNF708	0.07291619	-0.0055183	0.11640516	0.05337796	0.07073999	0.07236625	0.00076608	-0.00076608
MOGAT2	0.02116525	-0.00869596	0.01107234	-0.07073721	-0.03691662	-0.0365923	-0.15569005	0.15569005
PFN2	-0.01735229	0.03627197	-0.08278289	0.01266	-0.00651121	-0.07655432	0.07715904	-0.07715904
RMND5A	0.04947649	-0.01210592	0.07375143	0.08748246	-0.05014021	0.05141172	-0.18551732	0.18551732
RAD23A	0.01088674	0.08172614	-0.06702958	-0.13455846	0.01746577	-0.06829735	-0.00377995	0.00377995
SIN3B	0.08214998	0.01351748	0.1123288	0.09201808	0.1000921	0.12085431	0.15071384	-0.15071384
TLL2	0.07971504	-0.02450759	-0.06967741	0.0304065	-0.02084773	0.0019259	-0.02054584	0.02054584
CTSA	-0.00546655	0.01898826	0.0644274	-0.04163569	-0.04228157	0.01422753	-0.04514617	0.04514617
IL32	-0.07868059	0.06160265	0.10480537	-0.07561902	-0.05030325	0.05438394	0.05454432	-0.05454432
PTPN4	-0.00111183	0.0168269	0.14699774	0.07221246	0.02035525	0.08795118	-0.10407175	0.10407175
NUCB2	0.02467374	-0.003007	0.09190328	0.04888883	-0.06506684	0.02360794	-0.06346634	0.06346634
TMEM143	0.11205981	-0.03065791	0.03101678	0.00665148	0.02550742	0.01751526	-0.09612898	0.09612898
DACH1	0.0939958	0.07597674	-0.089022	-0.08106179	-0.01123157	-0.11663988	-0.11126399	0.11126399
SERTAD2	-0.05131549	0.00552722	0.04052858	0.05261332	0.02513458	0.03060671	0.10225086	-0.10225086
ST3GAL6	-0.05448078	-0.06960562	0.10429044	0.062509	-0.0003393	0.04275045	0.14264262	-0.14264262
PKP2	-0.0801646	0.09602406	0.07425127	0.00424349	-0.00558206	0.05303649	-0.2745052	0.2745052
SLC45A4	-0.0671776	0.10276087	-0.00497549	0.10421626	-0.017905	0.11489973	-0.23188046	0.23188046
MTRF1	0.06051135	0.08706489	0.06679379	0.0451006	0.02953496	0.09017522	-0.2322152	0.2322152
ESM1	0.16451203	0.1191518	-0.0409144	-0.09831079	0.01470382	-0.02262261	-0.07423796	0.07423796
RWDD2A	-0.02897672	0.07633581	0.08382415	-0.0036069	-0.00525383	-0.02899438	-0.07244156	0.07244156
SCFD2	-0.00446742	-0.00764079	0.03126981	0.01694484	-0.0036303	0.06711043	-0.1211348	0.1211348
YWHAB	0.01921763	0.09675774	0.08605129	0.08242839	0.06963609	0.09275775	-0.14669948	0.14669948
TOMM40	-0.07991904	0.09622942	-0.05164229	-0.0195396	-0.0283188	0.02099925	-0.19711682	0.19711682
PRSS48	0.0589607	0.01899045	0.01540987	0.04074304	0.01357794	-0.02989872	-0.0055225	0.0055225
ADTRP	0.08912564	0.01588797	-0.04210822	-0.00500197	-0.04236715	-0.02087837	-0.19440227	0.19440227
NDUFAF2	-0.07467249	-0.01102808	0.10949134	0.00363769	-0.06781818	0.04534101	0.03171465	-0.03171465
SEPSECS	0.02887936	0.14373418	0.08573024	0.05524299	-0.01047788	0.09850056	-0.22955958	0.22955958
CWC27	0.03204339	-0.06130468	0.1333396	0.02947309	-0.02213382	0.05483978	0.01325531	-0.01325531
MAP9	-0.04005699	-0.12464794	0.14895438	0.0878334	0.05231511	0.08131213	0.24889444	-0.24889444
APIP	0.0311008	0.04574835	0.15886535	0.06440312	-0.01493405	0.02529807	-0.03812818	0.03812818
MAF1	-0.0728782	0.05637278	-0.06382582	-0.07542726	-0.06900764	-0.04901137	0.04208082	-0.04208082
FOXP1	-0.02661998	-0.12691371	0.12437359	0.03385092	0.01861127	-0.00939183	0.24897154	-0.24897154
PLCE1	0.02297365	0.00078224	0.09893333	0.03208532	0.02592828	0.05406807	-0.0208085	0.0208085
RAD17	0.00339412	0.06829854	0.08737336	0.12100441	0.03263752	0.10255305	-0.07050768	0.07050768
SPCS2	-0.05776678	0.0939952	0.08727634	0.04916169	-0.1152527	0.0638224	-0.02666393	0.02666393
SETDB2	0.07090828	0.05423907	0.1193527	0.00916021	-0.0262784	0.03563784	-0.07763776	0.07763776
DESI2	-0.00358094	-0.02020158	0.15378412	0.00669905	-0.01016584	0.03299554	0.00152461	-0.00152461
COX17	-0.03066987	0.00223183	-0.06512744	-0.02002142	-0.09745271	0.01839548	-0.01096667	0.01096667
NLGN2	-0.04905206	-0.10698759	0.10813282	0.05723183	0.04865745	0.01666773	0.51502485	-0.51502485
PKMYT1	-0.0646572	0.10925255	-0.0438251	-0.07000337	0.00496283	0.01058646	-0.24381765	0.24381765
FAM89B	-0.05065386	-0.00809231	0.00748483	-0.03743046	-0.06367265	-0.03626703	0.34211083	-0.34211083
MED8	-0.06237074	0.07505589	-0.01751793	0.00325972	-0.0576642	0.01288365	-0.12907974	0.12907974
PHF1	-0.02416809	-0.04953837	0.06280378	0.0338358	0.05784823	0.03413382	0.34320831	-0.34320831
DIPK1A	0.04299823	-0.06528002	0.14591549	0.08376895	0.05676713	-0.0722612	0.29331184	-0.29331184
ANKMY1	0.05432315	0.10447632	0.0848441	0.09087965	0.13640517	0.10958285	-0.1026009	0.1026009
PSMB6	-0.08850366	0.08981313	0.01807197	-0.04064012	-0.07824444	0.00862272	-0.02308563	0.02308563
GUCY1A1	0.00281294	-0.13519698	0.2011186	0.11189914	0.04843553	0.02174124	0.50959235	-0.50959235
PRKG2	0.00347379	-0.00683034	-0.10483232	-0.02897568	0.02271166	-0.1370268	0.09520131	-0.09520131
FBXO45	0.00349767	0.00291321	0.09448866	-0.0105243	-0.03571222	0.09406289	-0.19505866	0.19505866
AMZ2	-0.06950472	-0.0001811	-0.06201888	-0.00892458	0.02724632	-0.05916341	0.01603249	-0.01603249
TMEM52	-0.12030547	0.10327705	1.68E-05	-0.07399572	-0.00529306	-0.0397627	-0.23450161	0.23450161

CHN2	0.15980843	-0.00760351	0.03672462	-0.06532467	-0.03008466	-0.10499522	-0.09404166	0.09404166
GCNT4	0.06780753	-0.04674239	-0.10705451	-0.00035374	-0.0737201	0.00268645	-0.11381479	0.11381479
KLK8	0.04173285	-0.00892165	-0.05182716	-0.03565238	0.00610635	0.02918498	0.02213816	-0.02213816
MTF2	0.05847794	0.02593802	0.10550726	0.08888137	-0.00055223	0.10177303	-0.19994015	0.19994015
RBM15B	0.00831137	0.04633282	0.01484671	-0.01167847	0.02767629	0.04778853	-0.0599928	0.0599928
PIH1D2	0.07824797	-0.08770096	0.02858134	-0.02364877	-0.03271679	0.04813488	-0.07858576	0.07858576
MT1A	-0.18272773	-0.02960829	-0.0556635	0.03785986	-0.00606816	-0.01557955	0.05056125	-0.05056125
ATP2A1	0.20705217	0.04952621	0.02339925	0.00981737	0.05843819	0.03157964	-0.14110832	0.14110832
NCAPG	-0.10671385	0.07429071	0.08173761	0.02955675	-0.0344008	0.11258349	-0.3286258	0.3286258
FANK1	0.05894288	0.00370961	-0.14396462	-0.10742668	0.03776044	-0.0851345	0.0136906	-0.0136906
NOP2	-0.10958337	0.15237829	0.04764635	-0.06786238	-0.02296086	0.06830406	-0.24272617	0.24272617
ZNF880	0.02049392	-0.02571406	0.09028168	0.04765216	0.07389165	0.06324023	0.20867521	-0.20867521
MELTF	0.08757615	0.0557754	-0.02995047	-0.05033231	0.06659106	0.02279401	-0.01153557	0.01153557
PTPRB	0.02218755	-0.02691728	0.20114464	0.11540073	0.07335232	0.14237819	0.14801014	-0.14801014
DGKD	0.07589438	0.02788071	-0.01109277	0.06064403	0.04040624	0.08762876	-0.17119518	0.17119518
TMCO1	0.06332379	0.02419472	-0.05658679	-0.0286032	0.06377821	-0.0162457	-0.14308604	0.14308604
RAB5C	-0.00409498	0.00499731	0.07244647	-0.06818475	0.12162194	0.00519144	0.05376493	-0.05376493
UPP1	-0.00320209	0.07743199	-0.05512585	0.0258701	0.03009033	0.04395326	-0.03848165	0.03848165
TRABD2B	0.09357856	-0.12697162	0.05393326	0.07204816	-0.02875124	0.00964673	0.33798579	-0.33798579
AMN	0.01147975	0.03276639	-0.03019082	0.07018587	-0.0751103	0.02007269	-0.22833302	0.22833302
KLK10	0.00388632	0.03626654	-0.03020775	-0.0019896	0.02470329	0.02908193	0.08261622	-0.08261622
KDM5B	0.03848989	-0.00767252	0.06878479	0.12904523	0.03070543	0.07489504	-0.04213311	0.04213311
STPG1	-0.04003203	0.01633289	-0.06138434	-0.009747	0.03371795	0.01531648	0.02776671	-0.02776671
FHOD1	0.03923497	0.17070838	0.06483274	0.03524001	0.08286763	0.08614227	-0.05851924	0.05851924
PTPRH	-0.0146711	0.11243968	-0.07155964	0.02294477	-0.00622192	0.0187711	-0.28041942	0.28041942
PCMTD1	0.02623702	-0.02174207	0.14334292	0.08755164	-0.00847676	0.00066385	0.11676944	-0.11676944
MAP2K7	0.00327301	0.03910811	0.01105659	-0.06710329	-0.00245344	-0.02616204	0.09621803	-0.09621803
SMIM32	0.05149018	0.01054807	-0.0555413	0.03628353	-0.03725687	-0.04185168	0.0131568	-0.0131568
AP5S1	0.11879562	-0.06353155	0.02095892	-0.01362373	-0.02366308	0.02941623	0.00433337	-0.00433337
GRIP1	0.04034972	0.04293228	0.03586376	0.01514033	-0.00623275	0.05537834	0.13352145	-0.13352145
VRK3	-0.00847172	0.00522302	0.02218325	0.03332243	0.02275572	0.06817761	-0.11197506	0.11197506
SLC2A1	0.02886433	0.02865424	-0.03008504	0.00912537	0.08470093	0.06013047	-0.01163638	0.01163638
MUSK	0.01800521	-0.06976242	0.0556514	0.06221585	-0.01296264	0.053757	0.18759632	-0.18759632
SPINK1	-0.011983	-0.08069682	-0.02245081	0.03842865	-0.01880338	-0.03634707	0.03623106	-0.03623106
GLYCTK	0.01330231	0.02926421	-0.07105597	0.01854774	0.00268187	0.03406127	-0.26232361	0.26232361
MASP2	0.09263194	-0.0719644	-0.01180086	0.043988	0.04430223	-0.02156286	0.08522703	-0.08522703
RPRM	-0.02219949	-0.1964144	-0.01678027	-0.01137247	0.0083507	-0.05272152	0.23623247	-0.23623247
TNNT1	-0.15713205	0.06635527	-0.05844348	-0.09763152	0.08737118	-0.03937375	-0.00024913	0.00024913
MT-ND1	0.03794226	0.03378606	-0.05921555	-0.08439273	-0.01335048	-0.12218448	-0.05231621	0.05231621
PPOX	-0.02364695	0.04138772	0.02287889	0.01005581	0.05703391	0.00217627	-0.07464238	0.07464238
H6PD	0.10102359	-0.07833347	0.02615242	0.07659523	0.10492017	0.04662973	0.19548433	-0.19548433
RCOR1	-0.08706257	0.02575173	0.05989894	0.01098896	-0.00550681	0.08507414	-0.24465905	0.24465905
GRAMD1C	0.16089925	0.1002187	-0.007866	0.03765833	0.02025815	0.06251989	-0.22867909	0.22867909
RPS6KB1	-0.04902179	0.06767472	0.09432297	0.00463838	-0.01378813	0.0402529	0.00784157	-0.00784157
GLI3	-0.00827721	-0.15188048	0.12718896	0.0444569	0.05120972	-0.03184319	0.51786408	-0.51786408
KCNE4	-0.04769882	-0.15748462	0.18931744	0.06405459	0.05238816	0.03662959	0.57276423	-0.57276423
HOXC13	-0.05812839	0.02724094	-0.02515466	0.01350545	-0.04446793	0.04189028	0.02796389	-0.02796389
FAM217B	0.05810621	-0.00768018	0.12992083	0.08202859	0.02469998	0.09990572	-0.00863131	0.00863131
FCGR2B	-0.06730891	-0.16611626	0.14060818	0.08974572	0.00833284	0.03029185	0.43403899	-0.43403899
LAMTOR4	-0.00235636	0.03149827	-0.07364781	0.01232049	-0.06255799	-0.02900514	-0.02379046	0.02379046
PHYKPL	0.11553109	0.06349567	0.05915332	0.11424586	0.08471389	0.11587154	0.00435039	-0.00435039
KIAA1328	-0.02553623	0.02264663	0.14738861	-0.00670538	-0.02803833	-0.00209956	0.02919142	-0.02919142
NME1-NME2	-0.14844907	0.14727351	0.08745086	-0.00727505	-0.03175908	0.05005566	-0.10598741	0.10598741
PHLDA2	-0.04962317	0.08815464	0.09064829	0.01087982	-0.01678272	0.08802792	0.00429769	-0.00429769
CBL	-0.01642128	2.23E-05	0.11871849	0.05271828	-0.01350879	0.08299795	-0.0044505	0.0044505
CLN6	-0.04149154	0.07131222	0.01576194	-0.09790742	0.01836544	0.02000808	-0.13776952	0.13776952
EFS	-0.02240784	-0.06670994	-0.07215001	-0.04075779	-0.02319629	-0.06569661	0.301026	-0.301026
ERRFI1	-0.08434271	0.00593943	0.04086601	0.03372393	0.05442908	0.05281559	0.16349042	-0.16349042
EVPL	0.0688651	0.03747858	-0.13055154	-0.06689689	0.03910295	-0.04199499	-0.14857767	0.14857767
IL27RA	0.05885174	-0.03627729	0.04918006	-0.0233782	0.08346432	0.03056658	0.0344572	-0.0344572
WDR70	-0.01391663	0.05179571	0.05083927	-0.03735653	0.01602331	0.0078449	-0.01031468	0.01031468

OTUD1	-0.09028466	-0.0573008	0.15778193	0.03063064	-0.01223803	0.08177865	0.09923206	-0.09923206
TTC5	0.03843259	0.00269123	0.14476596	0.12747063	0.0239911	0.15854271	-0.0702742	0.0702742
PDCD6	-0.06401583	0.21627519	-0.06309055	-0.09828431	-0.00546225	-0.03830194	-0.23578241	0.23578241
MRPS11	-0.06951534	-0.04232665	-0.041511	-0.04281231	-0.04956943	0.0375018	-0.03857568	0.03857568
EPB41L2	-0.04698065	-0.02010902	0.19814003	0.09740322	0.08696296	0.13273788	0.14548414	-0.14548414
EPHA3	-0.00111736	-0.17925163	0.17793778	0.08364986	0.04010526	0.00986239	0.36205906	-0.36205906
C1orf35	-0.03570987	0.02179634	-0.02344908	-0.06006983	0.05638021	0.00697595	-0.0892627	0.0892627
LDHA	-0.15703235	0.09956828	0.07164585	-1.05E-05	0.06569309	0.07570536	-0.08265753	0.08265753
XCL1	-0.04756742	0.00259359	-0.05519026	0.01311608	0.02489837	0.02534816	-0.00956549	0.00956549
UBE3A	-0.02329057	-0.04283956	0.21528698	0.07792313	0.0138657	0.16217777	-0.05958516	0.05958516
DNMT3A	0.06367066	-0.06125096	0.05035574	0.07589589	0.03110339	0.06108674	0.03400964	-0.03400964
PDE5A	0.02908454	-0.05407311	0.10742147	0.04703681	0.0231475	-0.02544689	0.33910183	-0.33910183
ZNF304	0.03594705	-0.01335683	0.06331304	0.10613336	0.08980633	0.09317095	0.07618775	-0.07618775
ATP6AP2	0.09367218	0.02369644	0.18725222	0.07033331	0.02364156	0.07002618	0.06094727	-0.06094727
ATP23	-0.03153957	0.01561059	0.09698137	-0.04110896	-0.05050097	0.02760983	-0.0859652	0.0859652
PLIN4	-0.08677295	-0.11626173	0.0778593	0.06263102	0.00259726	-0.00742773	0.30384176	-0.30384176
ARL17B	0.04885439	-0.01103563	0.03579928	0.04105521	0.13108969	0.03384761	0.06293645	-0.06293645
PLP2	-0.05222876	0.03206818	0.00973498	-0.11974115	0.00304434	0.02332404	0.01745985	-0.01745985
TREH	0.15696793	-0.05344518	-0.10598021	-0.04472842	-0.01575113	-0.09252998	-0.06769173	0.06769173
NOP16	-0.1120394	0.1348194	-0.02264734	-0.00331249	0.06214418	0.04166533	-0.23267937	0.23267937
GNA12	0.07893963	-0.09569576	0.11641654	0.04619332	0.02195895	0.0618776	0.25439915	-0.25439915
HEY2	0.02486198	0.02720969	0.04099414	-0.08795236	0.00517223	3.29E-05	0.22473017	-0.22473017
ACOX2	-0.0180708	0.01705262	0.0217498	0.00960362	0.04126129	-0.00303846	0.07368981	-0.07368981
INTS13	-0.12004375	0.04858591	0.12238322	0.09840733	-0.01057405	0.11251114	-0.13740766	0.13740766
PROSER2	0.04812467	0.05292622	-0.0681308	0.00182413	-0.01554453	0.00417981	-0.0697575	0.0697575
PPP1R7	-0.05848294	0.05564144	0.03246029	-0.00936661	-0.00186859	0.03151859	-0.10027089	0.10027089
CYP2E1	0.05179173	-0.0644528	-0.08287036	-0.0883444	-0.02656185	-0.06505157	-0.01888516	0.01888516
PES1	-0.0832351	0.03941558	0.02051286	-0.03747745	0.02271306	0.05345913	-0.12676305	0.12676305
AP002990.1	0.03201559	0.11996375	-0.06365195	0.00663854	0.12023198	-0.03351031	0.02169669	-0.02169669
HSDL2	0.00553614	0.00217302	0.04276389	-0.02665741	0.00784011	-0.07406924	-0.24986569	0.24986569
STARD5	-0.0442527	0.1105188	-0.09595884	-0.032906	0.02595696	-0.07876837	-0.10076009	0.10076009
PTCD3	0.00485728	0.07671085	0.0558225	0.01145577	-0.03043829	0.05031143	-0.30573479	0.30573479
TSPEAR	0.00493611	-0.06802825	-0.01997128	-0.07639703	-0.06101141	-0.01457253	-0.06139698	0.06139698
CYP2D6	0.08499972	0.01629908	0.02153193	0.08995913	-0.08199251	0.01317432	-0.15210764	0.15210764
FLYWCH2	-0.01757501	-0.05779649	-0.03544775	-0.04171639	-0.04972353	-0.06401104	0.11557836	-0.11557836
NTM	-0.01133118	-0.02248167	0.12905467	-0.00715091	0.02534969	0.05153119	0.54140423	-0.54140423
ZNF551	-0.03563142	0.07180713	0.04243788	0.07441877	-0.02682547	0.04256521	-0.07014668	0.07014668
RPL41	-0.03641058	-0.03698669	0.1184292	0.02514461	-0.06905405	0.0583761	-0.01925176	0.01925176
ASB2	-0.04406189	-0.16545555	0.11727525	0.02651261	0.02344406	-0.02967546	0.35434241	-0.35434241
CD1C	-0.01160604	-0.17054986	0.03008735	-0.00710472	-0.02642444	-0.03606152	0.23565667	-0.23565667
MZT2A	-0.07212605	0.06561257	-0.00734507	-0.08683695	0.01601356	-6.64E-05	-0.09695248	0.09695248
EXOSC7	-0.04880185	0.0707529	0.06621407	0.01213567	0.01902668	0.06149151	-0.23009111	0.23009111
OGDHL	0.00138985	-0.02316722	0.02512353	0.05265642	-0.00626876	0.08304427	-0.05623891	0.05623891
IL12A	0.02468117	0.02952804	0.01007026	0.06575491	-0.0223424	-0.01273566	-0.02270184	0.02270184
FGFBP1	-0.00747706	0.04615876	-0.11428262	-0.07785983	-0.01534656	-0.05978346	-0.07102519	0.07102519
FAM86C1	-0.06172891	0.15961327	0.05398451	0.00444244	0.02504391	0.03739793	-0.10592603	0.10592603
MATN3	0.01408723	-0.10406626	0.00935074	0.02616834	-0.01599104	0.00874173	0.29284756	-0.29284756
PIGA	0.02369832	0.08886148	0.08789424	0.03646621	0.01228091	0.10120463	-0.1945216	0.1945216
MNT	0.01132548	0.01990019	0.09809136	0.07073866	-0.02967348	0.08023757	0.07890711	-0.07890711
MSANTD3	0.02433832	0.01054154	0.08637841	-0.05735329	0.03874858	-0.01039373	0.24274196	-0.24274196
PLOD1	-0.02533	0.05876576	0.00241664	0.03606068	0.05901384	0.05604979	0.08117012	-0.08117012
CD79B	-0.07824153	-0.02725037	0.00091334	-0.0078687	-0.01086855	0.03033089	-0.00195355	0.00195355
FARS2	-0.00352248	-0.0433685	0.05136393	0.02090246	0.02265684	0.03000605	-0.03648321	0.03648321
DDX60L	-0.01633687	0.03407279	0.10880407	0.1035838	-0.03775266	0.12860387	-0.10118534	0.10118534
VNN2	-0.0527352	-0.00268305	-0.01643944	0.13037775	-0.03974644	-0.00416204	-0.10502738	0.10502738
SH3D21	0.06219485	0.11994803	0.02168184	0.05484513	0.09743542	0.08375186	-0.10102141	0.10102141
RCN3	0.01989801	0.03138525	-0.0453459	-0.04572223	0.01060046	-0.03126804	0.40151221	-0.40151221
PPP4C	0.01350706	0.05826137	-0.07747891	-0.06247695	0.05775894	-0.05203012	-0.0714646	0.0714646
ALDOA	-0.02600733	0.09057417	-0.04231966	-0.00694517	0.06579423	-0.00062125	-0.06159067	0.06159067
NCEH1	-0.02219395	0.06994286	0.08153727	-0.03503785	0.12071778	0.01520422	-0.09843322	0.09843322
SMARCC2	0.07895347	0.02518641	0.12953676	0.03914225	0.01557098	0.14281578	-0.04408916	0.04408916

RCAN3	0.03737222	-0.04716991	-0.03596959	0.01224428	0.03688684	0.05464972	-0.01484113	0.01484113
GALC	-0.05161524	0.02119496	0.00569085	0.06868437	-0.01197272	0.00501709	-0.17122582	0.17122582
ZBTB21	0.0046334	0.05522704	0.11634899	0.01627807	0.00305923	0.02254675	0.05761188	-0.05761188
KBTBD8	-0.09955253	0.00174206	0.09503463	0.0811318	0.00904772	0.03550514	-0.1171624	0.1171624
ZNF451	0.01927541	0.06140863	0.128968	0.04940743	-0.02571126	0.05851486	-0.1744361	0.1744361
MED31	-0.16511298	0.06213691	0.11043446	0.02531618	-0.02752979	0.07544803	-0.01045282	0.01045282
RNF24	0.07960088	-0.08833797	0.06903999	-0.02468495	-0.04965685	0.0448583	0.25085304	-0.25085304
BCL7C	-0.08052975	-0.03042968	-0.03863569	-0.08180396	0.04453463	-0.08094671	0.21119355	-0.21119355
DROSHA	0.01335451	0.08146735	0.04109342	0.02904828	0.02035598	0.08663203	-0.16726507	0.16726507
LEMD2	0.04282877	0.11233823	-0.02044671	0.01965755	0.04468616	0.0514325	-0.05652953	0.05652953
BTLA	-0.02795605	-0.09796065	0.08091989	0.05123417	0.05648899	0.03928077	0.12064664	-0.12064664
PRDM10	0.00716543	0.09096711	0.08631779	0.05983242	-0.02933796	0.09438738	-0.2136415	0.2136415
UQCRB	-0.01690878	0.02405318	-0.02659726	0.00621474	-0.05476805	-0.00794442	-0.12281263	0.12281263
DIPK1B	-0.07402607	-0.03157591	-0.04945202	-0.02647985	0.05702882	-0.0158162	0.0545793	-0.0545793
RNF5	-0.04494529	0.00676666	-0.1692495	-0.05553097	-0.04730306	-0.10879548	-0.08920499	0.08920499
CDK8	-0.00500408	-0.01229885	0.10869873	0.03936586	0.03895316	0.02229087	-0.10503021	0.10503021
PCBP3	-0.0471503	-0.10086691	0.03264924	0.01620343	0.02315187	-0.05437554	0.35083644	-0.35083644
TAF9B	0.00674982	-0.10575666	0.09242236	0.03739082	0.00815694	0.04175053	0.14308398	-0.14308398
PLK3	0.01218478	0.05396611	0.04455852	0.04007979	-0.01625056	0.05477701	0.13061519	-0.13061519
MPLKIP	-0.00074536	0.01800686	0.05002207	-0.05269408	-0.02089249	0.00250877	-0.11681348	0.11681348
RIC8B	0.00528568	0.00173051	0.13534269	0.01012643	0.07561672	0.03315246	0.0118182	-0.0118182
WNK4	0.13661955	0.13040307	-0.07699769	0.02999623	0.11346113	-0.02226427	-0.08967656	0.08967656
LNPEP	0.01024104	-0.08288836	0.21778549	0.10878026	-0.00741764	0.09834452	0.16876228	-0.16876228
MRPL22	-0.13385997	0.01621354	0.05189281	0.04065621	-0.01237801	0.07154221	-0.14352423	0.14352423
DOCK10	-0.02784796	-0.0279634	0.2072187	0.10281725	0.08127342	0.11355121	0.21537961	-0.21537961
DHDDS	0.01798897	0.0805497	-0.00202919	0.06708417	-0.02867888	0.06030306	-0.12050881	0.12050881
MGA	0.00572814	0.04863848	0.07359667	0.08374255	0.01713741	0.10479141	-0.03284335	0.03284335
RMI2	-0.03120278	0.03965985	0.05136624	-0.03898676	0.10547462	0.04087099	-0.23120755	0.23120755
GALNT16	0.00291764	-0.17644405	0.1079553	0.06107445	0.06325785	0.04445519	0.3320047	-0.3320047
ARFGEF1	0.06156626	0.0931055	0.07053278	0.06289406	-0.01616948	0.07361826	-0.28049354	0.28049354
VPS45	0.01532701	-0.02282954	-0.02309521	0.00369569	0.04300833	-0.0701446	0.02086944	-0.02086944
NLGN3	6.11E-05	-0.15221094	0.136949	0.03939749	0.05024793	0.06308724	0.35058157	-0.35058157
ITGB6	0.00133714	0.02887176	0.08488182	0.05315911	0.02580882	0.07292623	0.08076215	-0.08076215
USP18	-0.03282474	0.07047917	0.03889907	-0.03441139	0.01806732	0.01124548	0.06999056	-0.06999056
LPCAT3	0.00249658	-0.02486307	-0.08310609	-0.02611306	-0.04712768	-0.06018756	-0.16022018	0.16022018
SOSTDC1	0.01459537	-0.02949695	-0.06625685	0.06981064	-0.05467312	0.0103237	-0.14402978	0.14402978
ZNF850	-0.06921062	0.05410292	0.09478121	0.01458006	-0.04076433	0.04555275	-0.02178522	0.02178522
CAND1	0.06009767	0.02418098	0.1238398	0.10505604	-0.02491809	0.14653256	-0.05462938	0.05462938
KCNJ5	0.05067894	-0.15889962	0.12161631	0.02062382	0.04519537	0.01655609	0.17084081	-0.17084081
KCNJ11	-0.07966044	0.03309526	-0.00875277	-0.07091796	-0.05781978	0.0152006	-0.10423318	0.10423318
CRYBB1	0.00349889	-0.1318135	0.11616712	0.07286865	0.03839122	-0.01185017	0.40210163	-0.40210163
MEP1A	0.070114	0.08151809	0.01549078	-0.01740476	-0.02853085	0.04196138	-0.1323474	0.1323474
TRAF3IP2	0.03848852	0.0403377	0.04588593	0.01247659	0.01170459	0.01616019	-0.13676185	0.13676185
POGK	-3.39E-05	0.01903951	0.09305422	0.03688508	0.05790389	0.07258377	-0.0803637	0.0803637
SMARCC1	-0.00279558	0.01878974	0.08671561	0.04445087	0.00060331	0.06404779	-0.16895465	0.16895465
PRKACB	-0.06732543	-0.12229696	0.14211182	0.11436424	0.0077346	0.01424565	0.23365067	-0.23365067
HOOK3	0.03061301	-0.14176883	0.17625708	0.05114976	0.02015749	0.0711457	0.34029465	-0.34029465
DHX15	-0.05691909	0.14688767	0.07081435	0.0406506	-0.01571968	0.07501775	-0.25521212	0.25521212
ATAD3C	0.07033908	-0.0619871	-0.00024119	-0.04176289	-0.00932521	0.0329541	0.00593183	-0.00593183
RAD54L	-0.05205682	0.09716803	-0.00355453	-0.02632167	0.00997853	0.04358682	-0.26788268	0.26788268
CHORDC1	-0.12416705	0.06233058	0.11920819	0.00139585	-0.09843586	0.08772683	-0.22828497	0.22828497
SLC18A2	-0.06593104	0.02929891	-0.06417212	0.04144224	-0.02182704	-0.0119659	-0.01803613	0.01803613
DENND5A	-0.02524408	-0.10314408	0.15388601	0.09157658	0.06143737	0.00162375	0.45886656	-0.45886656
ATP6V0E1	-0.06171825	-0.0349876	0.06409739	-0.01354275	0.06766718	0.01481945	0.26811407	-0.26811407
BTBD16	-0.05341447	0.00908859	0.02113432	0.06662319	-0.00656059	0.08459476	0.03911388	-0.03911388
N4BP1	0.06617276	0.06454808	0.05168244	0.04069738	0.07467166	0.05400587	0.03353537	-0.03353537
ART5	-0.08183188	0.03873109	0.00179092	-0.06144966	0.03736986	-0.01006557	0.00866208	-0.00866208
TBX19	0.02532532	0.04051498	0.11205103	0.03951738	0.0427489	0.03474784	0.01940925	-0.01940925
CXCR1	0.07201647	0.04789056	-0.08525791	-0.00373507	-0.04159841	-0.05380382	0.03315817	-0.03315817
ISLR2	0.02393293	-0.14419843	0.16526132	0.04912739	0.03451186	0.07927628	0.43279106	-0.43279106
PDRG1	0.04994391	0.03818705	-0.00316367	-0.03298538	-0.02415001	0.0349922	-0.11137781	0.11137781

AKR1C2	-0.03099725	-0.06352166	-0.02225684	-0.03823052	-0.04547708	0.00779845	0.0669933	-0.0669933
EIF3I	-0.0971551	0.06923867	0.01671908	0.00555296	-0.01853536	-0.00137187	-0.14529337	0.14529337
TTL4	0.04997144	0.07357437	-0.02109837	-0.00548193	0.00263984	0.02086811	-0.22901472	0.22901472
HMGB2	-0.07945728	0.08491578	0.08341269	0.05048203	-0.00607959	0.08462304	-0.24953315	0.24953315
UBE2N	-0.12256476	-0.0170243	0.10682686	-0.02175917	-0.0271617	0.07405826	-0.08249178	0.08249178
FAM185A	0.03667071	0.01147658	0.03456917	0.02198693	-0.0071209	-0.00284789	-0.14851083	0.14851083
PDE1C	0.00641918	-0.14738851	0.08075417	0.10021518	0.04020336	-0.03504266	0.19551327	-0.19551327
ABCA1	-0.01559009	-0.09285051	0.16592354	0.12884103	0.05052118	0.05778266	0.32062783	-0.32062783
NIF3L1	-0.11183578	0.09213869	0.06848214	0.02640435	-0.02733361	0.06646861	-0.23616581	0.23616581
MCOLN2	-0.0533661	0.0611208	0.09190981	0.09257268	-0.02284787	0.07191241	-0.08236121	0.08236121
MMUT	0.02466809	0.07546603	0.04464403	0.03293555	-0.03633351	-0.02502143	-0.25323915	0.25323915
VTA1	-0.02175682	0.03312335	0.08328294	0.00379393	-0.0063855	0.07145733	-0.2091386	0.2091386
SIM2	0.07081203	-0.0264149	-0.04792237	-0.07642983	0.04065607	-0.01765704	-0.24897208	0.24897208
ZCCHC17	-0.02630896	0.07044023	-0.02028009	-0.0316029	-0.06080657	-0.08367335	-0.02593786	0.02593786
EML2	-0.07798904	0.08150118	-0.0219293	-0.00178738	-0.01351947	0.04340521	-0.18394852	0.18394852
GPR35	-0.01626438	0.1199648	0.02343278	0.02316499	0.05750087	0.03619799	-0.24525066	0.24525066
PRG4	-0.05248711	-0.06748319	0.06217852	0.03993617	-0.01584443	-0.00310654	0.26375584	-0.26375584
PCDHGA2	0.01974249	-0.1339952	0.09472069	0.06487836	0.05022269	0.00966847	0.38626437	-0.38626437
KATNB1	0.05934494	0.07843372	-0.04591712	-0.03253436	0.05224669	-0.00067932	-0.11989164	0.11989164
S100A12	0.01664919	0.02172882	-0.03657094	-0.02566693	-0.0494906	-0.05651075	-0.00669482	0.00669482
ZNF248	0.05336618	0.00767136	0.11296655	-0.00851879	-0.01088957	0.00549416	0.07249134	-0.07249134
CREM	-0.03824353	0.00497601	0.13670811	0.04034238	0.00433513	-0.08484264	0.27253884	-0.27253884
ZDHHC6	0.01025099	0.11494508	0.01293873	-0.04237526	0.04208518	0.023553	-0.18509526	0.18509526
AL159163.1	-0.01100952	0.12988166	-0.05430541	-0.03290615	0.01001501	-0.09372699	-0.20979286	0.20979286
POU6F1	-0.01106737	-0.15051285	0.11978637	0.06334886	0.04970316	0.03364087	0.47842737	-0.47842737
CSPG4	0.0125638	-0.081946	0.04347784	-0.02202154	0.01080869	-0.04018372	0.31107215	-0.31107215
BIN3	0.07378683	0.0453468	-0.12012883	-0.11148782	-0.05700497	-0.10959788	-0.09046947	0.09046947
B3GNT4	-0.11723299	-0.01504589	0.0347287	-0.07252317	-0.01221032	0.04612646	-0.07965697	0.07965697
RTN2	-0.11443724	0.03398256	0.02886556	-0.01543221	0.02345939	0.03089637	0.17480367	-0.17480367
TMED6	0.05071589	-0.11022049	-0.01183258	-0.02804156	0.0117188	-0.00042169	-0.13427669	0.13427669
XYLT2	0.10319844	-0.1023969	-0.04892109	0.05076803	-0.02154862	0.05362527	0.01458267	-0.01458267
LYZ	0.04801576	-0.06093865	0.03558807	-0.01817639	-0.03098133	0.00817638	-0.08573372	0.08573372
DDX21	-0.03708991	0.0669077	0.16630952	0.05401659	-0.01694011	0.13565194	-0.23266938	0.23266938
VAC14	0.04496971	0.06142837	0.08131319	0.00800738	0.10008948	0.09141309	-0.07218532	0.07218532
USP9X	-0.150661	0.07144889	0.09461128	0.05082234	0.0140267	0.12289222	-0.11013061	0.11013061
STX17	0.0486305	-0.01081175	0.10033816	0.04919052	0.01620634	0.05960313	-0.06867462	0.06867462
SAP30	-0.09240454	-0.02144477	0.08793972	0.0780176	0.0010152	0.04460219	-0.06891075	0.06891075
ISG20L2	-0.04815894	-0.0161562	0.04581209	0.01684398	0.04973176	0.03651843	-0.19041179	0.19041179
ZFYVE19	0.06877629	0.07033221	7.79E-05	-0.02974662	0.03227112	0.0105723	-0.15020665	0.15020665
STOX1	-0.0202764	0.00935409	0.0709145	0.00834632	-0.01586552	0.0810739	-0.17333354	0.17333354
NR2F1	-0.02012228	-0.1104076	0.16559973	0.08759473	-0.03359804	0.05790292	0.48910901	-0.48910901
ZNF566	-0.01961507	-0.04981598	0.13900213	0.05647316	0.03373983	0.04679174	0.09793544	-0.09793544
MORF4L2	0.00042158	0.06564733	0.04810477	-0.02049377	-0.01724541	0.02843878	-0.11034778	0.11034778
PTGS2	0.02871071	0.05855832	0.07602554	0.05383404	0.05839373	-0.00215632	0.03585187	-0.03585187
ZZEF1	0.070631	0.10828214	0.06089837	0.03853544	0.01489308	0.05979222	-0.10301061	0.10301061
CCDC90B	-0.07685858	0.00275773	0.06165567	0.03610664	-0.03798689	0.05589686	0.08526815	-0.08526815
SYNJ1	0.07350433	0.05329013	0.19453299	0.04289814	0.05403358	0.10810354	-0.02047832	0.02047832
UBE2Z	0.05056092	0.07823853	0.0648113	0.02184158	0.04575419	0.09976491	0.00753082	-0.00753082
CDK5RAP2	0.03057262	-0.02051894	0.07521015	0.0140989	0.0158609	0.05977219	-0.00878612	0.00878612
ZNF132	-0.00442118	-0.14540418	0.06528108	0.02744306	0.06230107	0.07001127	0.14275422	-0.14275422
FOCAD	0.02211575	0.01616621	0.08468213	0.04067104	-0.01774567	0.02514238	-0.06474563	0.06474563
ICA1	0.13735479	0.10206142	-0.0094064	-0.02430423	0.00644462	-0.0453152	-0.21536853	0.21536853
OSBPL5	-0.0131728	-0.05436186	0.17714912	0.05705838	0.04225301	0.12981475	0.29513339	-0.29513339
C11orf53	0.04688123	-0.02570888	0.00018607	0.05370298	-0.02622426	0.01608147	-0.03612605	0.03612605
FGFR4	0.13184468	0.03358623	-0.04168625	0.03317693	0.06228021	0.03586504	-0.12820616	0.12820616
WDR36	-0.01780199	0.08705136	0.18805834	0.11929175	0.00478611	0.14918978	-0.14213885	0.14213885
TRIM25	0.01863041	0.08200715	-0.01646636	0.07577287	0.03225668	0.05933547	-0.22767617	0.22767617
MBOAT1	-0.03334773	0.06720753	0.15126994	0.02710383	0.01850784	0.07131775	-0.19485801	0.19485801
CRB3	-0.03447594	0.14412374	-0.0773036	-0.11032633	-0.05114926	-0.04106777	-0.19830678	0.19830678
XPO4	0.01608206	0.06787071	0.16919349	0.06945331	0.02431767	0.13162388	-0.22653669	0.22653669
TMEM30A	0.04402558	0.05896427	0.20084089	0.11218671	-0.00178188	0.0947531	0.00311879	-0.00311879

ECHDC3	-0.03921255	-0.01269453	-0.07914495	-0.01937325	0.11914806	-0.03231112	-0.0753707	0.0753707
WAS	-0.06826669	-0.01571321	0.0543595	0.00777729	-0.01619827	0.03717567	0.07401915	-0.07401915
FBXO6	-0.10447308	0.05683223	0.06934454	-0.08896611	-0.04231714	-0.0082859	-0.01353591	0.01353591
ZGRF1	0.02199958	0.06661721	0.06046327	0.04142799	-0.00747793	0.08335007	-0.28712419	0.28712419
C8orf76	-0.01036901	0.08522608	0.01719039	0.06962906	-0.01547977	0.10702541	-0.12526688	0.12526688
DDR1	0.0583209	0.06477705	-0.04673244	-0.02781564	0.01530056	0.0150714	-0.15475593	0.15475593
CDH6	0.03663024	-0.02540346	0.12597138	0.04800133	-0.0168615	-0.00727036	0.21492975	-0.21492975
SPI1	-0.0226934	-0.01181131	0.07934061	-0.00516605	-0.03855587	0.01040116	0.23918632	-0.23918632
PGBD4	0.10738355	-0.10448989	0.00178629	0.02275014	0.10195045	-0.00584952	-0.00539827	0.00539827
ZNF780A	0.05442759	0.03120428	0.05858572	0.09114582	0.01603887	0.1214175	-0.07968063	0.07968063
PPARA	-0.0613984	0.06770029	0.04113956	0.02398801	0.05730824	0.02070179	-0.16560248	0.16560248
ZNF425	0.07359326	-0.12557671	0.05572896	-0.00642456	0.03048817	0.0041805	0.14763465	-0.14763465
ZNF778	0.07437923	0.03267556	0.08915043	0.05927027	0.0708107	-0.00445192	0.01681842	-0.01681842
SCPEP1	0.04121357	0.02244299	0.01847868	0.00313602	-0.00939978	-0.07013516	0.09897962	-0.09897962
SGCB	-0.04947692	-0.04293529	0.18529112	0.03353098	-0.0051193	-0.03453773	0.2674747	-0.2674747
GC	0.01317386	-0.01685165	-0.07917155	0.02738973	0.03397999	-0.01994404	-0.0268254	0.0268254
FBXO28	0.01367259	0.0353509	0.11758931	0.05141838	0.02386203	0.07883244	-0.1455843	0.1455843
PDIA3	0.02675232	0.12084249	0.07094878	0.13030146	-0.01608852	0.05707347	-0.26897995	0.26897995
RPF2	-0.06487846	0.05725127	0.11481532	0.05672555	0.02868185	0.11284811	-0.16853439	0.16853439
APPL1	-0.04151014	-0.02617233	0.10244038	0.0097233	-0.02771369	0.00148717	-0.11240238	0.11240238
UPF2	0.01513692	0.05712594	0.20251327	0.07176096	0.03994733	0.1554247	-0.14751894	0.14751894
NRK	-0.06032219	-0.20766419	0.1866415	0.10462131	0.04949756	0.03149691	0.43881258	-0.43881258
SLPI	-0.00588638	0.05201155	-0.07382032	0.07771721	0.03175202	0.01947711	-0.14213876	0.14213876
ITGB3BP	-0.010747	0.09177174	0.0430036	-0.00718962	0.01483798	0.01757387	-0.23141982	0.23141982
TOR4A	0.00243509	0.11654656	0.00600657	0.01535506	0.026576	0.05541671	-0.22394725	0.22394725
MED1	0.04492561	0.05045792	0.07077712	0.02433029	0.15008143	0.09808952	-0.08212144	0.08212144
CLEC5A	0.03411716	0.10390251	0.05454388	-0.01124993	-0.04736374	-0.04456728	0.15897658	-0.15897658
RBM12	0.03543514	0.03741772	0.14756878	0.10538721	-0.00684067	0.1329761	-0.14152019	0.14152019
PDCD4	-0.01952017	0.01884661	-0.069978	-0.05467172	-0.05534937	-0.02456161	-0.14137348	0.14137348
ERO1B	-0.0049673	-0.08012403	-0.02153186	0.03854847	-0.00179618	0.00209899	-0.03648544	0.03648544
RBM43	-0.00644065	-0.0878371	0.19552515	0.12752725	0.10378901	0.05622839	0.31956797	-0.31956797
TTL1	0.06651297	-0.01697616	0.0082858	-0.11819027	0.07437104	-0.09185486	0.24111722	-0.24111722
QRFP	-0.00117296	-0.00209182	-0.00537853	-0.04705497	-0.01665224	-0.01724834	-0.00813545	0.00813545
WDR90	0.08330722	0.12021378	0.06629007	0.03271738	0.01619831	0.06867786	-0.2148608	0.2148608
SDAD1	-0.0173202	0.05009768	0.12358566	0.03484796	0.0182891	0.11688144	-0.05486421	0.05486421
MSANTD4	-0.02173682	-7.97E-05	0.09411482	0.06146214	-0.02256476	0.0336091	0.04682702	-0.04682702
HAUS5	-0.03040109	0.05429472	0.0128843	-0.05660919	0.05804574	0.0421356	-0.14395611	0.14395611
SBNO2	0.01158388	0.11417452	0.02583222	-0.06860578	0.04447113	0.01319126	0.0105002	-0.0105002
FCGRT	0.03243933	0.01464911	-0.03547699	0.01582881	0.00437806	-0.03318918	6.54E-06	-6.54E-06
MED28	0.05573496	-0.10456173	0.1297989	0.08615369	-0.01724339	0.08976099	0.03004553	-0.03004553
ZFHX2	0.04034584	-0.12716798	-0.01470996	0.03638209	0.00802197	0.05145713	0.09754813	-0.09754813
CBY3	-0.00224109	0.00281338	0.05680126	-0.00276191	0.07807236	0.02930761	0.03582572	-0.03582572
ZNF622	-0.02080327	0.12547177	0.00563181	-0.05115146	0.00977143	0.05157285	-0.09190533	0.09190533
MYSM1	0.10771088	0.15198804	0.07608272	0.09823461	0.01436351	0.08809292	-0.14148203	0.14148203
ANXA3	0.07116744	0.05696627	0.01326097	-0.01972399	0.01368368	0.00618248	-0.06429105	0.06429105
HS3ST3A1	-0.00782542	0.04266233	-0.01545865	-0.07839535	0.12078149	-0.04937977	0.32724223	-0.32724223
CEACAM19	0.0995766	-0.028338	-0.02596263	-0.04290213	0.05801771	0.0132998	0.01647859	-0.01647859
SZRD1	0.04465138	-0.01101544	0.0218941	-0.00127253	0.01403785	0.0142321	0.07676795	-0.07676795
GPSM2	-0.00864944	0.10610823	0.03898028	-0.06876154	-0.05295406	0.02125469	-0.23785492	0.23785492
SLC20A1	0.00871521	0.02562498	0.05071402	0.14330783	0.00037769	0.12033832	-0.1017884	0.1017884
NPIP3	0.04053722	0.06613166	0.03386795	0.11370898	0.05795512	0.08664019	0.00892758	-0.00892758
ADGRA3	0.04943307	0.03239453	0.01363296	0.0566493	0.05047365	-0.00081939	-0.05014853	0.05014853
POLG	0.06560346	0.04564327	-0.02253787	0.03546334	0.01438749	0.1109965	-0.04890972	0.04890972
IGF1R	-0.0735716	-0.11193943	0.06633641	-0.05269109	-0.021019	0.04463033	-0.02443637	0.02443637
F2RL2	0.05535139	-0.03910836	0.145113	0.08390273	-0.02391833	0.09738084	0.20906136	-0.20906136
SLA	-0.05830663	0.01421251	0.10614016	0.02860934	-0.00516833	0.0571992	0.08210807	-0.08210807
RPL38	-0.08471837	-0.07272962	0.02115738	-0.06989052	0.01176879	0.04084107	0.06636957	-0.06636957
PTPN12	0.07151495	0.05665816	0.13476863	0.03085218	0.06774623	0.05792834	0.07625808	-0.07625808
FGF10	-0.00988496	-0.14800511	0.12016019	0.08194498	0.07855489	-0.07899945	0.32896292	-0.32896292
ZNF318	0.04818346	0.11396024	0.03078414	-0.03420148	-0.02113411	-0.02463987	-0.1138832	0.1138832
RHEB	-0.06033418	0.02551907	0.11157574	-0.05765544	0.04477345	0.0137972	0.00054273	-0.00054273

RASD2	0.04263746	-0.07617129	0.05152132	-0.01414121	0.01283274	-0.05693571	0.39220655	-0.39220655
PRRT2	0.02793688	0.03707268	0.12208249	0.11516862	0.11503884	0.09282369	0.16336066	-0.16336066
ZNF350	-0.08476107	0.03327205	0.11362827	0.03217904	0.00587506	0.06024946	0.01625477	-0.01625477
TONSL	-0.00537322	0.14694487	-0.0354672	-0.03128128	0.01199415	0.01176294	-0.29286433	0.29286433
ZNF664	0.02314381	-0.01854765	0.06347101	0.01584708	-0.01942479	0.07615912	-0.09999317	0.09999317
IL10RA	-0.05110517	-0.00082345	0.1171432	0.05202373	0.02645512	0.0698217	0.13191324	-0.13191324
TYK2	0.1002978	0.04865372	0.06948853	-0.02523019	0.03193685	0.0688104	-0.07250178	0.07250178
FAHD2B	-0.00504138	-0.05334488	0.01769421	-0.06350049	-0.01014115	-0.03825272	0.01856153	-0.01856153
TIPIN	-0.04868465	0.06434578	0.05622774	-0.04383915	-0.01017242	0.046918	-0.23577027	0.23577027
BDH1	-0.09729647	0.11758722	-0.03557936	-0.04455961	-0.00980756	0.00852198	-0.30973618	0.30973618
PSMB5	-0.07714035	0.1132245	-0.03156399	0.00769392	-0.00819237	0.05662423	-0.16742566	0.16742566
LRIG1	0.06071983	-0.14631835	0.13678062	0.00230931	0.10299927	-0.03539031	0.24742953	-0.24742953
KCTD1	0.01839145	-0.01886942	0.02647008	0.0812212	0.02867765	-0.00446094	-0.04480828	0.04480828
NR5A2	0.00285574	0.04019251	0.00338809	0.03625006	0.05417251	0.05680143	-0.1526967	0.1526967
CLBA1	0.03626094	0.01890266	0.06694178	0.04805523	0.0930522	0.13502261	-0.06202502	0.06202502
NOTCH2	-0.01309812	-0.10978267	0.13084765	0.11375282	0.05364984	0.07964831	0.32108571	-0.32108571
RECQL	0.02699232	0.05348477	0.16787879	0.11406842	0.00541226	0.14043412	0.00039295	-0.00039295
FN3KRP	0.02087667	0.06457386	0.00305214	-0.04375507	0.07001274	-0.02813617	-0.03831616	0.03831616
TMOD1	-0.02481931	-0.16778659	0.09169293	0.03728129	0.01679053	-0.03156032	0.40066398	-0.40066398
ELAC2	-0.11849625	0.0779089	0.07143222	0.004209	0.02912344	0.03182961	-0.14371448	0.14371448
FXYD6	-0.04689285	-0.14484558	0.10202146	-0.03753564	-0.02112649	-0.0377194	0.47846901	-0.47846901
MRPL10	-0.04733345	-0.06371046	0.05487538	0.03258206	0.08880561	0.0689323	0.07053233	-0.07053233
NCAPH2	-0.0100517	0.01926928	-0.04906059	-0.02429621	0.016196	-0.01793915	-0.1401728	0.1401728
PAQR3	-0.09547034	0.1157033	0.12294691	0.00031498	-0.00095318	0.00997722	-0.03227205	0.03227205
DPYSL3	-0.0105714	-0.16656601	0.14527507	0.03522574	0.03337938	-0.04616576	0.49936007	-0.49936007
APBA2	-0.03420009	-0.00788844	0.06332547	0.0546615	0.07706792	0.07802143	0.28222871	-0.28222871
ANTXR2	-0.04750038	-0.08707046	0.16601764	0.07259739	0.04870738	0.0136493	0.35168801	-0.35168801
MICOS10	0.01393081	-0.03396508	-0.0448971	-0.03404012	-0.01246601	-0.03719857	-0.05785261	0.05785261
SERPINI1	-0.02455854	0.03465035	-0.04276022	0.00158222	-0.02929586	-0.03473228	0.02290292	-0.02290292
UBE2J1	-0.03336891	0.03782159	0.15042202	0.12745418	0.00130243	0.10838063	-0.10751141	0.10751141
THOC1	-0.02985098	0.093974	0.09055862	0.08108958	-0.01287869	0.10523865	-0.21619434	0.21619434
EOMES	-0.03389677	-0.03424718	0.1848568	0.1078355	0.00223795	0.12025498	0.1492627	-0.1492627
KIAA1324	0.11755398	0.08275971	-0.22258962	-0.11210246	0.0612309	-0.1408181	-0.1861794	0.1861794
HIST1H3F	-0.06755578	-0.11871446	-0.09043643	-0.0485256	-0.09096275	-0.01888125	-0.07140936	0.07140936
REM2	-0.01084955	0.12210308	-0.05685076	0.00445871	0.01799877	0.00735927	-0.04608551	0.04608551
MZT2B	-0.10876468	0.07250392	0.00678396	-0.02468042	0.00887721	0.00526848	-0.06278245	0.06278245
MCL1	0.03901871	0.05829411	0.10627225	0.0392928	-0.00353284	0.01668365	0.05768322	-0.05768322
LRRC26	0.04655101	-0.0201235	-0.04197999	0.03008126	0.07052427	-0.15961368	0.06318202	-0.06318202
POPDC3	-0.0901965	0.04217544	-0.0156593	0.03434478	0.05242891	0.02862271	-0.09883471	0.09883471
G2E3	-0.02175296	0.06354198	0.09678143	0.08870424	-0.04736902	0.12787435	-0.16834544	0.16834544
ULK1	0.00940156	-0.05827725	0.04287569	0.04939567	0.01071675	0.06771358	0.14515018	-0.14515018
EXTL2	0.04267476	-0.03870314	0.0801954	0.10228601	-0.00926598	0.02186881	0.17333392	-0.17333392
PBX1	0.01073518	-0.14357166	0.05970222	0.02634132	0.00329378	-0.09310017	0.3138077	-0.3138077
PNMA6A	-0.13317971	0.00148939	0.00211042	0.04069723	-0.02294203	0.09816112	-0.07612627	0.07612627
SLC35D3	0.02302334	0.0759336	-0.05451107	-0.08144009	0.03670248	-0.0683896	0.05135641	-0.05135641
EP400	0.05433187	-0.03349223	0.14505487	0.07757353	0.03992858	0.15891319	0.00226308	-0.00226308
FCRL1	-0.03938499	-0.10276815	0.0175761	0.03695886	0.04821272	-0.0022765	0.13033983	-0.13033983
ADAMTSL4	-0.02457843	-0.06684461	0.02746901	0.03893092	0.01685936	-0.01115663	0.28077433	-0.28077433
C19orf73	-0.00847626	0.12892682	-0.14822885	-0.08714004	0.01626359	-0.18724834	-0.08628762	0.08628762
SORBS2	0.06137755	-0.09451896	-0.01087608	-0.00439379	-0.05925496	-0.02722105	0.21364632	-0.21364632
TRMT44	0.05832979	0.02083469	-0.0414271	-0.01690972	0.02484091	0.00933005	-0.11472487	0.11472487
ZNF486	0.0499797	-0.00344488	0.07904226	-0.01714436	0.12173165	0.04324669	-0.05386789	0.05386789
ZC3H8	0.05043371	0.04071722	0.01744893	0.01130272	0.01068903	0.03459306	-0.12599239	0.12599239
DENND1A	-0.05133581	0.10245395	0.16597201	0.04254515	0.02607333	0.15454728	-0.08805339	0.08805339
GBP5	0.00721421	0.07058433	0.14427423	0.0064805	0.04263011	0.07559313	-0.00924041	0.00924041
RARRES1	-0.08461995	-0.04507733	0.1401894	0.0741187	0.00851486	0.0521045	-0.01410854	0.01410854
PRPH2	0.06864606	-0.16985263	0.09402369	0.00809931	0.0204649	-0.00510576	0.37992044	-0.37992044
ENTPD6	0.16399067	0.16893362	0.00861452	-0.00486749	-0.03210397	0.00018594	-0.28058636	0.28058636
CFB	-0.04666426	0.02513271	0.01012874	-0.02906106	-0.04129355	0.00575252	-0.10793461	0.10793461
STMP1	0.03107955	0.00423876	-0.03451885	-0.07179013	-0.01072201	-0.09378411	-0.07104201	0.07104201
ANAPC1	-0.0047517	0.02922071	0.09637844	0.07841909	0.06096429	0.09836561	-0.22808375	0.22808375

CDO1	-0.05557455	-0.1895021	0.12278786	0.08297965	-0.00825434	-0.00535229	0.50603666	-0.50603666
ASGR1	-0.00591813	-0.01539502	-0.09419475	-0.06716362	0.00578264	-0.06858588	-0.09105948	0.09105948
TNPO3	0.0018805	0.0509121	0.04052856	-0.01804847	0.0709532	0.03642148	-0.14273715	0.14273715
PIGO	0.0128846	0.0650595	-0.05943064	-0.03500943	0.04083733	0.07533009	-0.19701946	0.19701946
NDUFA3	-0.12398027	-0.05624545	-0.1306147	-0.03112692	-0.0526222	-0.06047714	0.07363885	-0.07363885
NR6A1	0.01237446	0.04680448	0.00472941	-0.09128872	-0.03016122	-0.01626525	-0.16544486	0.16544486
MARVELD1	-0.04257339	-0.13253095	0.1352697	0.0649485	-0.01259999	0.04913693	0.56097748	-0.56097748
CPT2	-0.02746675	0.02968111	0.00232177	0.01841272	-0.0443473	-0.00071635	-0.30155225	0.30155225
PI4K2A	0.04939406	-0.05634229	0.06566149	0.03543377	0.00477538	0.05305778	0.11014746	-0.11014746
C14orf93	0.15290999	0.02032763	-0.05552895	0.03389141	0.02708543	0.06363327	-0.10864488	0.10864488
NREP	0.04061655	-0.10000045	0.10337909	0.1041655	-0.03298686	0.04791768	0.33661933	-0.33661933
MAFK	0.04589659	0.06071785	0.05010235	0.04028278	0.00782295	0.09281613	0.05687979	-0.05687979
PLCD4	-0.03136815	-0.10396044	0.0240394	-0.01492757	0.07889319	-0.05481503	0.23988781	-0.23988781
STK35	0.05448412	0.07636669	0.03153487	0.0226422	-0.05356958	0.05109197	-0.14332668	0.14332668
KIF1B	0.12031992	-0.01005389	0.06891279	0.05148466	0.03408536	0.03819142	0.01186169	-0.01186169
SIPA1	-0.04523336	-0.00627637	0.05244231	0.02704417	0.04787927	0.06895472	0.29142588	-0.29142588
PTGR1	0.05618752	-0.09602782	-0.11424858	0.03415155	0.00258022	-0.00494831	-0.15925484	0.15925484
RPS24	0.00458983	-0.08781114	0.05698524	0.11115921	-0.06785642	0.0676745	0.04595705	-0.04595705
MFN2	0.01717101	-0.00017093	0.01769226	0.03590846	0.00129352	-0.00488762	-0.03957814	0.03957814
RBMS2	0.04376136	-0.01677542	0.15783082	0.10994381	0.01854523	0.1365809	0.1979713	-0.1979713
LSAMP	-0.01558379	-0.13493809	0.14542155	0.09283608	-0.00111513	0.01680082	0.3870987	-0.3870987
RPL9	-0.02461876	-0.01478231	0.03916071	-0.03833482	-0.10711344	0.03584852	-0.03490744	0.03490744
GPR171	-0.03914973	-0.02795734	0.21684868	0.01538178	0.02863191	0.07060166	0.12930919	-0.12930919
RXRB	0.00447569	0.04277282	-0.01126334	0.00723751	-0.01328931	0.01078076	-0.02516704	0.02516704
ABHD5	-0.04994108	-0.01264195	0.01567755	0.06416372	-0.0288441	-0.00883543	-0.04433922	0.04433922
CREG1	0.066274	-0.03484083	0.05619262	0.00541358	-0.01893926	-0.05676592	0.01191845	-0.01191845
GCNT2	0.06306588	-0.0594388	-0.05817564	0.07277968	0.0711153	-0.03304904	0.00568263	-0.00568263
POLR2I	-0.07826413	-0.02062151	-0.05087805	-0.03546247	-0.0208863	0.00652055	-0.00252738	0.00252738
SNRNP35	-0.00551504	-0.05212147	0.0433069	-0.0171798	-0.03873481	0.06884184	0.06777143	-0.06777143
LIMD2	-0.08204641	-0.0485445	0.01016447	-0.02231955	-0.00569254	0.01995756	0.11101502	-0.11101502
DCAF7	0.02104256	0.05981162	0.02506222	0.00582069	0.03803542	0.05029554	-0.14354974	0.14354974
RHOC	-0.05075168	0.01248513	-0.03138459	-0.08262686	0.03761706	-0.02668019	0.15469629	-0.15469629
CDON	-0.04186544	-0.12922979	0.12096082	0.02428456	0.03066313	-0.04735857	0.37143995	-0.37143995
RIPPLY3	0.04168272	-0.03104531	-0.0890264	-0.10623666	0.05635851	-0.02569559	-0.0251643	0.0251643
CDS2	0.06474891	-0.04874628	0.12855162	0.00595702	-0.02299089	-0.00040995	0.17506088	-0.17506088
LRRC32	0.00082099	-0.09341884	0.14118397	0.03938611	0.03035977	0.06859313	0.55529267	-0.55529267
DCP2	0.08151949	0.03021901	0.14031888	0.16491322	0.0035174	0.13826606	-0.08837148	0.08837148
CALHM2	-0.06617088	-0.10326334	0.06697313	0.04137209	0.00474824	0.03360073	0.46456652	-0.46456652
UQCRC1	-0.05312522	0.08576205	-0.08861829	-0.07240387	-0.07480674	-0.07717804	-0.25390891	0.25390891
CENPE	-0.07234304	0.01072512	0.1184342	-0.01112468	-0.02689931	0.06430311	-0.20584067	0.20584067
EIF2AK2	-0.04005783	0.0381315	0.1980869	0.06025963	0.02306146	0.11174671	0.03764009	-0.03764009
LRRIQ4	0.07546216	0.03333652	-0.01753769	0.01003244	0.00927758	-0.05919419	-0.07656827	0.07656827
PRICKLE3	-0.07224775	0.11325692	0.00449444	-0.12344203	-0.00635054	0.04034575	-0.07647233	0.07647233
ENDOV	0.12167411	-0.00085857	-0.00125431	0.01976907	0.03715958	0.02308163	0.07507189	-0.07507189
INTS4	0.01033495	0.08154145	0.04437889	0.01710694	-0.02112117	0.08531708	-0.08683134	0.08683134
MINDY1	0.10800592	-0.10499183	-0.11023241	-0.01962206	0.03161509	-0.03859268	0.00552655	-0.00552655
XDH	0.01723227	0.15943692	-0.08585223	-0.05457031	0.03019569	-0.03348077	-0.18569925	0.18569925
INKA1	-0.03713079	-0.10303782	-0.0618779	-0.05557643	-0.01109935	-0.03374295	0.32387184	-0.32387184
ZDHHC20	0.0620621	0.0247951	0.10777439	0.04682961	-0.05159261	0.07902723	-0.21747258	0.21747258
ANKRD42	-0.07367377	0.01698808	0.12239948	0.01017816	-0.07410159	0.08055065	0.00700131	-0.00700131
SLC43A2	0.10454797	0.05030888	0.03361994	0.02145543	-0.01642685	0.01550222	0.0143987	-0.0143987
RTKL1-TNFR	0.0615272	0.15962441	0.03108893	0.02404865	0.01470338	0.07843419	-0.06423123	0.06423123
C9orf78	-0.0272043	0.05663353	0.10144974	-0.0515491	0.02232128	-0.05622346	0.01968653	-0.01968653
BMP8A	0.01529747	0.02060542	0.15314279	0.03503674	0.05446074	0.12801737	0.29084436	-0.29084436
SMARCD1	0.00306309	-0.01278318	0.03342735	0.03961646	0.04981786	0.10455101	-0.11524459	0.11524459
ABCC1	0.07872161	0.02572624	0.09106594	0.07028499	0.10023182	0.05971415	0.07595417	-0.07595417
STAT1	-0.03669638	0.09810996	0.17062813	0.03391984	0.02194292	0.07106747	-0.054775	0.054775
IL18BP	0.01872953	-5.98E-05	0.17934222	-0.00992733	0.00952312	0.1005158	0.14026796	-0.14026796
PRX	-0.03464136	-0.11060404	0.09392936	0.01072966	0.06795932	0.06036921	0.2753062	-0.2753062
COQ8B	0.03571692	-0.00533901	-0.08178254	-0.01266099	0.00809548	-0.00587086	0.02107285	-0.02107285
ZC3H18	0.00464322	0.06264389	0.04207255	0.01542324	0.04958633	0.03486649	-0.14095914	0.14095914

ZNF500	0.04297056	-0.09517609	0.08400744	0.0452091	0.05077113	0.07972814	0.20684131	-0.20684131
TSC2	0.1360847	-0.04992562	0.06484529	0.06889121	0.04710491	0.04805749	0.07285109	-0.07285109
POMC	-0.09174569	0.02959054	-0.04291751	-0.05749267	-0.01156439	-0.04361222	0.00718148	-0.00718148
METTL22	0.10854624	-0.00250131	0.06422266	0.08001624	0.14586295	0.05872095	0.16871943	-0.16871943
STRIP1	0.06406168	0.02360608	-0.00635254	-0.03651288	0.0062475	0.00740973	-0.05275384	0.05275384
ZNF598	0.01760883	0.10089681	0.01115317	-0.00193173	0.06316951	0.02299805	-0.14667157	0.14667157
HSPA1L	-0.11177565	-0.10656197	-0.05649304	-0.02586748	0.01239181	-0.04984458	0.08166546	-0.08166546
RILP	-0.05768612	0.13007637	-0.03320075	-0.04028102	-0.06908021	-0.05947507	-0.08073195	0.08073195
JMJD7-PLA2C	0.17778884	0.00719124	0.00668513	0.06073618	0.04838359	0.01774386	-0.04027118	0.04027118
ZNF532	0.03969647	-0.05592881	0.16823879	0.04051375	0.04700214	0.07299941	0.33326345	-0.33326345
STRA6	0.07349911	-0.1440885	-0.01001686	-0.02131568	-0.03888313	0.02057229	-0.02898262	0.02898262
CDH11	0.02467996	-0.1321027	0.20256126	0.098805	0.01592875	0.07946656	0.66964448	-0.66964448
ATP2A3	0.04366957	-0.01263909	-0.02526752	0.04338458	-0.06521522	0.034957	-0.04586395	0.04586395
ECE2	-0.04362633	0.09241297	-0.05347014	-0.07514662	-0.02658212	-0.02368439	-0.10796403	0.10796403
HCFC2	0.02427591	-0.13309605	0.16297524	0.08254225	0.02716846	0.01305786	0.29228131	-0.29228131
ZNF700	0.06558772	0.11858857	0.08627206	0.02396823	0.03203045	0.06992439	-0.212799	0.212799
CMTM3	0.01311999	-0.02295569	0.0999861	0.00206848	0.06949017	-0.00113417	0.5717801	-0.5717801
ACAD8	0.0577878	0.07310443	0.03422225	0.02071407	-0.02778337	0.05825078	-0.21689549	0.21689549
NKX3-2	0.01079295	-0.15453348	0.0646689	-0.02483385	0.04250803	-0.06916733	0.31650786	-0.31650786
KCNE3	0.06121402	-0.04098832	-0.04837585	0.00951224	-0.06926805	-0.02039682	-0.18088711	0.18088711
ZNF528	0.04605878	-0.04231066	0.07138365	0.02351528	0.10402116	0.04116612	0.13426344	-0.13426344
NOMO3	0.06542614	-0.02867495	0.06724394	0.13364386	0.06591547	0.09464631	-0.07176241	0.07176241
NEK2	-0.0550943	0.05649389	0.01928601	7.23E-05	-0.01167619	0.03798303	-0.20381819	0.20381819
CTHRC1	0.03775553	0.03877821	0.06256897	-0.00244925	-0.02509925	-0.00770021	0.53657775	-0.53657775
PCBP1	-0.05913687	0.06034879	0.02323128	-0.05861706	-0.06470847	0.02235246	-0.06298421	0.06298421
TMEM260	0.03086293	0.116881	0.09267114	0.04720879	-0.01816327	0.11202282	-0.18506288	0.18506288
TAF3	0.01274829	-0.06219144	0.20813564	0.00999049	0.07082694	0.12050982	0.03271598	-0.03271598
FOXD1	0.00782194	0.09817637	-0.06270215	-0.06550003	0.00051915	-0.03480643	-0.15047559	0.15047559
AOC2	-0.08788188	0.04388737	0.08716757	0.04647649	-0.01364978	0.05984953	0.06677985	-0.06677985
MANBA	0.03756883	0.05207221	0.10277943	0.06773073	0.04492863	-0.01120533	-0.08575364	0.08575364
ALDH3A1	0.11178472	-0.10428912	-0.11221935	-0.0534728	-0.06009146	-0.03288137	-0.18480779	0.18480779
C9orf16	0.01430341	-0.0105876	-0.06904315	-0.10062773	-0.04533245	-0.01499148	0.07210755	-0.07210755
CRIP1	-0.12470363	0.00667632	0.01253713	-0.02986098	0.01238445	0.06839006	-0.00828234	0.00828234
LRRC41	-0.02953002	-0.00458081	-0.0036353	0.01489857	0.03393384	0.023256	-0.02077042	0.02077042
CASP4	-0.03911983	0.04018173	0.09685197	0.03282044	-0.00826293	0.06416804	-0.10064542	0.10064542
SYCE1L	-0.06925127	-0.01037705	-0.02043791	-0.02311315	0.04937388	0.03522707	0.13086882	-0.13086882
POLR1D	-0.02836564	0.06093187	0.03199105	-0.01297629	-0.05445379	0.07816629	-0.12412554	0.12412554
TESMIN	0.0047733	0.13239532	-0.00652461	-0.0360588	0.01151797	0.02008148	-0.11828121	0.11828121
RAN	-0.09542232	0.04311555	0.06589817	0.01614774	-0.0414626	0.09726946	-0.18529782	0.18529782
SLC66A3	-0.03557855	-0.03395509	0.18198387	-0.00061581	-0.00330361	-0.01118094	0.22462098	-0.22462098
PPT2	-0.0609374	0.01689542	-0.08561647	-0.03552213	-0.00623731	-0.04460851	-0.03089628	0.03089628
PHGDH	-0.08834339	0.00973139	-0.01273546	0.06721627	-0.01026879	0.03736267	-0.08277024	0.08277024
CELSR3	0.02665713	0.03358683	0.00382458	-0.02401086	-0.02021301	-0.01689463	-0.12456836	0.12456836
AC010522.1	0.01597051	-0.03920169	0.11245293	0.05922113	-0.01059243	0.09624438	0.0957375	-0.0957375
TENT5B	-0.05357323	-0.09696629	-0.11759435	-0.05929719	-0.05677694	-0.06678584	0.11482957	-0.11482957
EFHC1	0.10180913	0.06786323	-0.05617679	0.04156979	-0.03350962	-0.01226388	-0.10717846	0.10717846
CRIP3	-0.0329913	0.05680724	-0.04552323	-0.06159174	-0.00055504	-0.04734992	-0.07250877	0.07250877
PTS	-0.10307042	0.11986941	-0.0123654	-0.03240795	-0.09733403	-0.02254401	-0.12918346	0.12918346
ABCF2	-0.03816575	0.058174	0.11334782	-0.00761482	0.05181006	0.06588776	-0.16463888	0.16463888
SLC39A10	0.064227	0.04539499	0.13944818	0.10921983	-0.00975732	0.13189776	0.01934124	-0.01934124
HIST1H3I	-0.04320002	0.04501609	-0.13717208	-0.08763227	-0.01001036	-0.03242914	-0.05396033	0.05396033
TREML1	0.01932533	-0.08996759	0.05906399	0.04673294	0.00600313	0.0222345	0.20004518	-0.20004518
RAC2	-0.0724446	-0.04321008	0.0374286	0.00797084	-0.00067754	0.0615962	0.05329105	-0.05329105
SRFBP1	-0.05024254	-0.00014526	0.21872189	0.10767497	0.0472311	0.15124384	-0.03882745	0.03882745
CFL2	-0.04261533	-0.16101495	0.09584083	0.02149161	0.0050126	-0.06584363	0.33417322	-0.33417322
TNFAIP3	0.0533414	0.07556445	0.12534266	-0.01360059	0.00193981	0.01480925	0.14216167	-0.14216167
NRIP3	-0.08132795	-0.07121405	0.06614544	-0.04146518	-0.00374862	0.00798532	0.15746858	-0.15746858
PLEKHM3	0.03417269	-0.08029982	0.07118579	0.00372805	0.0119986	0.03617753	0.07938022	-0.07938022
ARMH1	-0.03715636	-0.02385525	0.07235938	0.00598282	0.08361193	-0.04605269	0.09074984	-0.09074984
PBK	-0.1122615	0.10791477	-0.00824025	-0.06286384	-0.06350008	-0.05860358	-0.31553919	0.31553919
ZFHX3	0.09755218	-0.13276155	0.15667444	0.05626853	-0.00162147	0.04975529	0.26069391	-0.26069391

DACT1	-0.01891123	-0.14844468	0.13931651	0.00416634	0.00200722	0.02343961	0.53775063	-0.53775063
CIZ1	-0.01580384	-0.01176074	0.00554755	-0.05587068	-0.01148134	0.03677167	-0.02226982	0.02226982
ECE1	-0.02831104	-0.02638121	0.01955432	0.02452552	0.02371255	0.07971308	0.16712383	-0.16712383
PGM3	0.01959866	0.16084804	0.09663896	0.0907382	-0.05000748	0.04716366	-0.20962593	0.20962593
NSMCE1	0.02706862	-0.03140163	0.05883224	0.04302367	0.16191662	0.02251996	0.11887934	-0.11887934
EYA2	0.1371387	-0.07062703	-0.09936183	-0.06722868	-0.07124948	-0.10692183	-0.12357138	0.12357138
SLC30A7	0.06630107	0.10005469	0.16988874	0.10727426	0.0078864	0.13392015	-0.16841305	0.16841305
SLC36A1	0.08762503	-0.00521689	0.11653141	0.05825513	-0.02714841	0.07556822	0.15491315	-0.15491315
PRPF19	-0.01743754	0.02075863	0.02113135	-0.02151482	0.07056962	0.06197789	-0.09518211	0.09518211
FMO5	0.13227487	-0.05053465	-0.05925403	-0.01504979	0.00078222	-0.0081253	-0.27949653	0.27949653
MARVELD3	0.06225615	0.16097898	0.06312525	-0.03004776	0.1035116	0.01439441	-0.25444762	0.25444762
C2orf76	-0.01392159	-0.13525979	-0.06852073	-0.07794461	0.00211053	-0.07630285	0.09656593	-0.09656593
FOXL1	0.06671722	-0.00563471	0.00338672	0.08234564	0.08208881	0.06419034	0.05496533	-0.05496533
M1AP	-0.0411737	0.07616913	-0.10549304	-0.0447796	-0.04858125	-0.07752876	-0.05386838	0.05386838
ECM1	0.05225939	-0.00598235	-0.16099833	-0.08557051	-0.01884393	-0.10951924	0.02995129	-0.02995129
TUBA1C	-0.16172649	0.04404102	-0.03762663	0.0081152	0.0009015	0.05343365	-0.2023376	0.2023376
SCYL2	0.01343605	0.03303668	0.10289681	0.04131681	0.00095705	0.0842708	-0.15724526	0.15724526
OARD1	0.04303382	0.11772234	-0.07409024	-0.02837542	-0.05945986	-0.07368935	-0.30329375	0.30329375
CD96	-0.04334528	-0.01515524	0.22007654	0.04351386	0.03589726	0.09992922	0.16724781	-0.16724781
LY86	-0.03656467	-0.15240199	0.12023725	0.05662985	0.04032493	-0.00070262	0.32932118	-0.32932118
CHRNA5	-0.04634149	0.02317685	-0.03090401	-0.01747788	0.07936338	0.06657594	-0.05037669	0.05037669
LARP4B	0.00096821	0.10570452	0.04546029	-0.02296159	0.04146782	0.06557281	-0.27869332	0.27869332
SPNS1	0.062482	-0.01992963	0.05146386	0.04207613	0.13153821	0.07729375	0.04643955	-0.04643955
BPGM	0.04784108	0.02511561	-0.00636315	-0.06859864	-0.02704794	-0.08387288	0.17250582	-0.17250582
GPR89B	0.10647834	0.08950233	0.02045493	0.06343958	0.04682767	0.00098245	-0.18108724	0.18108724
NRN1	-0.0771028	0.08733311	0.03633674	-0.02215325	0.12827703	0.01119148	0.0578027	-0.0578027
TSSK6	0.07773571	0.01140534	-0.01474182	-0.03614862	0.09188056	0.00732552	-0.14188036	0.14188036
SLC14A1	0.10489587	-0.12502269	0.06523492	0.05452189	-0.01887815	0.07274061	0.09513061	-0.09513061
RXRA	0.06538577	-0.07340325	-0.02612993	-0.03694587	-0.04366262	0.02163022	-0.00918107	0.00918107
AKR1C1	0.03287928	-0.06497036	-0.10130989	-0.00214949	-0.02507263	-0.07808834	0.03199571	-0.03199571
MMP11	0.03602162	0.03983806	0.07667452	-0.02058509	-0.02284	0.01326754	0.3370602	-0.3370602
LSM14A	-0.03107209	0.03947502	0.05413193	0.0690894	0.04944748	0.05848492	-0.0456557	0.0456557
NFASC	0.00815825	-0.16763705	0.07556638	0.0349112	0.00945499	-0.02561228	0.29655695	-0.29655695
APEX2	0.03946031	0.05606735	-0.05599434	-0.09726127	0.00099464	0.00992297	-0.121174	0.121174
TMEM214	0.0288095	0.10394125	0.00180996	0.023374	0.00379739	0.06603425	-0.09146053	0.09146053
HGH1	-0.02102622	0.10806427	-0.03856476	-0.03048348	-0.04151313	0.01924605	-0.20635841	0.20635841
RAB6D	0.00070395	0.00315757	-0.05606792	-0.00705483	0.03441357	-0.00073529	-0.05114811	0.05114811
POMT1	0.04638297	0.10929324	-0.03330088	-0.0214839	-0.00412935	0.01339548	-0.06131609	0.06131609
NPNT	-0.01684025	0.01179146	0.09377356	0.04531983	0.03954149	0.03592102	-0.08675978	0.08675978
TMEM164	-0.03607415	0.03380198	0.0048057	0.00927583	-0.05529656	0.03310596	-0.24907066	0.24907066
TP53INP1	0.06807711	0.0620502	0.14385804	0.18612282	0.01437232	0.10672395	0.04771259	-0.04771259
CREB3L3	-0.11365684	0.03465433	-0.05629037	0.01125402	0.09283636	-0.02850165	-0.13879793	0.13879793
BMP7	0.03836962	0.03811042	-0.09106043	-0.13170078	-0.00782468	-0.01978919	0.0039292	-0.0039292
ACAP1	-0.04073682	-0.07052029	0.12187758	0.06822398	0.01336509	0.08803595	0.17355397	-0.17355397
SRXN1	-0.02537874	-0.01764517	-0.00118433	-0.05325887	-0.01816165	0.05038879	-0.04264424	0.04264424
ATP1B3	-0.04831459	0.07721893	0.0835345	-0.02477108	-0.04007553	-0.03916132	-0.19866515	0.19866515
RBM4	0.01572823	0.04448852	0.12217835	0.06588826	-0.0339197	0.09411962	0.03416075	-0.03416075
ZC3H4	0.04933995	-0.00467914	0.09451025	0.05293372	0.05249738	0.08639217	-0.05515385	0.05515385
DENND2C	0.02909689	-0.03906591	-0.1667283	-0.04823102	-0.02701079	-0.07320697	-0.04861055	0.04861055
MOB1A	-0.0341115	0.07510177	0.2158155	0.08686502	-0.00839345	0.11128224	-0.11038832	0.11038832
P3H3	-0.00175621	-0.00713235	0.1109548	0.0384252	-0.00412024	0.04348975	0.48652835	-0.48652835
ZFP28	-0.0635063	-0.08591082	0.03763199	0.01400231	0.03130458	-0.03115325	0.23336509	-0.23336509
ANKRD61	0.14487692	0.02802963	0.06610244	0.10944215	0.02947927	0.07985831	-0.09212991	0.09212991
RPS4X	-0.38785558	0.05613787	0.02455759	-0.07398304	-0.05143211	0.04174625	-0.04970993	0.04970993
TRAPPC1	-0.07876992	0.03977281	-0.09274013	-0.01553129	-0.05047676	-0.04160084	0.11065887	-0.11065887
FBLN7	-0.00628295	-0.10238496	-0.00241028	0.06963857	0.00877839	0.04352616	0.36490467	-0.36490467
EPB41L4B	0.00345072	0.05391437	-0.03189491	-0.0670579	-0.03863611	0.02632847	-0.3385661	0.3385661
TNRC6B	0.01762938	-0.08063014	0.12152456	0.01595885	0.00420046	0.03935834	0.14860561	-0.14860561
SP6	-0.06436493	0.09923181	-0.01795852	-0.0213304	-0.03373744	0.05981941	-0.11657545	0.11657545
COPG2	0.05725744	0.05795497	-0.04263476	-0.05965958	-0.02567118	-0.06511914	-0.13676948	0.13676948
VIPR1	0.11791138	0.04035834	-0.00481517	0.02259698	0.01387769	-0.01119244	-0.24884329	0.24884329

BRCA2	0.01934901	0.11330781	0.08856662	0.06428816	0.02553908	0.13459945	-0.25309895	0.25309895
P2RY12	-0.03747584	-0.07694061	0.16410257	0.06958772	0.00421044	0.02561603	0.19756958	-0.19756958
SPTSSA	-0.00249069	0.11351159	-0.04675491	-0.04867408	-0.03032925	-0.06432991	-0.04614382	0.04614382
AGO4	0.04347486	0.00397181	0.13110457	0.12141465	0.02307106	0.08084614	0.08611364	-0.08611364
SAAL1	-0.09744418	0.1199252	0.09809277	0.05031257	-0.0027233	0.08244102	-0.18930633	0.18930633
SETD7	-0.02677861	0.00044554	0.15480295	0.09200655	0.10463925	0.04123704	0.17497358	-0.17497358
FPR3	-0.0116316	0.02300766	0.24314037	0.10053572	0.06647321	0.05447696	0.23872992	-0.23872992
BCS1L	-0.00995221	0.06251608	-0.08465328	-0.0342552	0.02394824	0.02649699	-0.1998836	0.1998836
SLBP	-0.0686686	0.10473414	-0.00418579	-0.06086855	-0.02802137	-1.69E-06	-0.18841941	0.18841941
WDR77	0.05064194	0.01822521	-0.05246167	0.01105611	-0.01021129	0.02464518	-0.23195331	0.23195331
LRRC75A	0.03074495	0.12605211	0.06136165	-0.05543546	-0.02678782	0.01325814	-0.14043308	0.14043308
RPA3	0.00055892	0.02407707	0.07941746	-0.00014027	-0.011292	0.06978101	-0.21803047	0.21803047
FKTN	0.07992569	0.05158522	0.0978793	0.0497769	0.03284655	0.07929782	-0.16933345	0.16933345
KCTD18	0.01755692	0.00443169	0.08329014	0.04920366	0.02579629	0.02234874	0.04831359	-0.04831359
CARHSP1	0.0152829	0.05316985	-0.08829721	-0.03126389	0.03075039	-0.02183144	0.11427888	-0.11427888
SALL1	0.11162211	0.04570585	-0.01629303	0.05814554	-0.05393039	0.05281592	-0.07856334	0.07856334
CA4	-0.02036113	0.12505572	0.00225787	0.0373118	-0.03139434	0.03721474	-0.08464857	0.08464857
MEIS3	0.07675503	-0.04696492	0.07514866	-0.01308858	-0.01595273	0.01008082	0.51727498	-0.51727498
GTPBP2	0.07931319	0.15795804	-0.02283231	-0.047243	-0.02360227	-0.01626922	-0.08263562	0.08263562
XXYL1	0.02490372	-0.06293598	0.06012453	-0.01132703	-0.00819046	0.01227417	0.08668174	-0.08668174
FREM2	0.08239091	-0.06226554	0.0301887	0.01143615	0.01813689	0.04922303	0.01667558	-0.01667558
STRN4	0.07182524	0.07321153	-0.08690854	-0.02207869	0.01571356	-0.02041626	-0.03609071	0.03609071
TMPRSS3	-0.01257609	0.1051386	0.04476124	-0.10694624	0.00423299	-0.0174803	-0.16112785	0.16112785
KLF16	-0.09802042	0.11757617	-0.05012679	-0.09193667	0.01645146	-0.00546981	-0.07911588	0.07911588
ARSE	-0.08989107	-0.00794449	0.05922111	-0.02589809	0.01990545	0.03065212	-0.01692186	0.01692186
RNASEH2B	0.03921185	-0.00656441	0.11596247	0.02958514	0.00779235	0.05769851	-0.08629963	0.08629963
TSPAN3	0.01598966	0.12096933	-0.01314483	0.05360372	0.05039656	0.00383085	-0.19626547	0.19626547
ADNP2	-0.04162934	0.10388932	0.07570731	-0.01099138	0.01121761	0.03902555	-0.10791121	0.10791121
NLRP1	-0.02021861	0.0218337	0.03784677	0.02981595	0.00674644	-0.02070855	0.22127707	-0.22127707
SLC9A7	0.0520751	0.06778868	0.16717096	0.07697654	0.08710892	0.14693448	-0.07335203	0.07335203
CEP41	0.10502075	-0.08562077	0.04758475	0.0290022	0.07603997	0.1381875	0.11299516	-0.11299516
PARP16	-0.02055089	-0.00994501	0.07163949	-0.0715038	0.01036409	-0.01719512	-0.04832567	0.04832567
ZNF662	0.05237546	-0.13632522	0.08997952	0.09622497	0.00566136	0.10807948	0.19374653	-0.19374653
ZCCHC8	-0.04982731	0.07869661	0.10275261	0.02437734	0.00306047	0.08141611	-0.19833658	0.19833658
PAWR	0.04392617	0.04402081	0.08422889	0.02665771	-0.04311986	0.0601006	-0.0963047	0.0963047
FAM166B	-0.14201574	0.03902312	0.02917796	-0.11089367	-0.0229316	-0.04173385	-0.03230073	0.03230073
SLC37A3	0.04068481	0.12907511	0.03432165	0.01679374	0.04441654	0.03847413	-0.15985682	0.15985682
CRTAP	-0.02514989	-0.18867885	0.15365347	0.0549859	0.02005031	0.02105416	0.42093235	-0.42093235
SIRT4	-0.00013686	-0.16036685	0.00341951	-0.0925479	0.03190476	-0.0486263	0.09465791	-0.09465791
LRP1	0.05428091	-0.0656417	0.14611827	0.11689943	-0.00534851	0.07528493	0.30395521	-0.30395521
THUMPD1	-0.00280257	-0.00235771	0.24623882	0.08600546	0.00585962	0.09383596	-0.039162	0.039162
DAPL1	0.05441917	-0.14131409	-0.06845849	-0.04654608	-0.02778295	-0.00856416	-0.08769997	0.08769997
SUSD1	0.10003307	-0.0058967	0.02360201	0.11897655	0.04095282	0.08680194	-0.10968676	0.10968676
DDR2	0.01338075	-0.13661214	0.16838987	0.10388937	0.0893478	-0.04302107	0.47836836	-0.47836836
CFAP73	0.04232076	-0.03787408	0.04277098	-0.07267617	-0.03207855	0.00997088	0.05214972	-0.05214972
FUT8	-0.01954035	0.00029954	0.04813895	0.03681158	0.00663672	0.0813113	-0.16839521	0.16839521
SLC25A5	-0.08869529	0.09342828	0.01198129	-0.05049661	-0.03835563	0.03874461	-0.28123016	0.28123016
KLK7	-0.02456038	-0.01239774	-0.05671006	-0.01976916	0.08965353	0.03971386	-0.0506368	0.0506368
PHF3	0.03572127	-0.04699011	0.07535968	0.0266342	-0.00262351	0.05619359	-0.09278363	0.09278363
ADAM8	0.0746678	0.067479	0.01773378	0.05168471	0.06890131	0.0664539	0.01006162	-0.01006162
CYS1	-0.00450047	-0.15771217	0.03696005	0.04414257	-0.03300715	-0.02967882	0.32208476	-0.32208476
OSGEP	-0.03052016	0.14167099	0.0929361	0.10742024	0.07262141	0.16379449	-0.09617936	0.09617936
KLHL9	0.02679203	-0.0257227	0.14629933	0.04911747	-0.0547242	0.03046771	0.0585915	-0.0585915
TP53TG5	0.09379966	-0.02431852	0.04959581	0.02846058	-0.0203851	0.05652062	-0.00533117	0.00533117
ENO1	-0.05887233	0.06760309	-0.09927899	0.0186885	0.04157196	0.03157118	-0.14289818	0.14289818
CCDC18	0.02684708	0.10389757	0.09510474	0.06944076	0.01848006	0.09376483	-0.21594058	0.21594058
DGKQ	0.10828109	0.1259126	-0.04534443	-0.0152483	0.01070662	0.01992809	-0.109808	0.109808
LNPK	0.01462185	0.09202049	0.16049207	0.04867012	-0.02061291	0.05365485	-0.16617597	0.16617597
HMGCS2	-0.04299759	-0.00928717	-0.07264941	0.07711285	-0.04614266	-0.07903556	-0.06948212	0.06948212
KMT2E	-0.01584692	0.00751058	0.15056971	0.10297208	0.02851039	0.10696935	0.03579561	-0.03579561
ASAP3	-0.0554933	-0.0515535	0.00048921	0.04030601	-0.00904633	0.00600432	0.12797514	-0.12797514

C6orf141	-0.00807469	0.0569629	0.0738066	0.0754725	0.03587151	0.03463492	-0.12624176	0.12624176
PDK1	-0.11525747	0.19541103	0.08771351	0.09913655	0.0696404	0.06662859	-0.15401562	0.15401562
ATP8B2	-0.01291656	-0.15384689	0.18259801	0.09205115	0.05572129	0.08305591	0.50054559	-0.50054559
FBXL22	-0.0672698	-0.14875904	0.07416476	0.00121007	0.00902175	-0.05995229	0.34908145	-0.34908145
KLF4	0.00557863	0.04389496	-0.1206343	-0.00131707	-0.03445302	-0.10026115	-0.19073725	0.19073725
KIAA1614	0.02726729	-0.1419359	0.04952692	0.03820846	0.00787075	-0.0200344	0.35734617	-0.35734617
KCNA5	-0.02329305	-0.08494057	0.06176565	0.04895801	0.02693617	0.00931841	0.22995082	-0.22995082
MOCOS	-0.02996208	0.13660004	0.13841713	0.04464991	-0.02101364	0.06307455	-0.24582622	0.24582622
CHMP1A	-0.00555139	0.09484624	0.0025235	-0.01026413	0.07023949	-0.02905951	-0.11274495	0.11274495
HTR1D	0.03313549	0.05518763	0.06117726	-0.08015135	0.03071701	0.00061788	-0.04445069	0.04445069
LTK	0.01937248	0.11031317	0.05412671	0.02134915	-0.05739341	0.03632355	-0.18634226	0.18634226
GANAB	0.0430794	0.0729607	-0.0120394	0.02177948	0.05688855	0.03987405	-0.07422319	0.07422319
PPP1R12A	-0.01260173	-0.1277359	0.21119715	0.06941426	0.02548275	0.03527691	0.26953509	-0.26953509
MORC2	0.00476733	0.08441838	0.05960795	-0.00518001	0.05506587	0.09472488	-0.06086315	0.06086315
CLMP	-0.01288436	-0.15461746	0.12597426	0.05449891	0.02711903	-0.07316491	0.42674095	-0.42674095
TREM1	0.03550886	0.09339472	-0.05942371	-0.0056884	-0.04235609	-0.06865521	0.17160446	-0.17160446
ARNTL	0.09187483	0.02180766	0.10693229	0.06137417	0.03483342	0.05940518	0.01981654	-0.01981654
DGKE	-0.04649782	0.04769036	0.15442991	0.04518933	0.05884179	0.04044461	-4.58E-05	4.58E-05
EPHA7	-0.02452489	-0.10575108	0.04106867	-0.01806941	0.02900809	-0.0752302	0.18506297	-0.18506297
SRRM2	0.04932221	0.01155143	0.1090832	0.0808798	0.0318331	0.12131444	-0.04876861	0.04876861
SEN1	0.0017389	0.00395128	0.09655905	0.05337757	0.03151401	0.13805488	-0.05614295	0.05614295
RAD18	-0.07563619	0.10658747	0.079803	0.01848865	0.04388556	0.10511632	-0.2559612	0.2559612
LGALS8	0.06590994	0.05086122	0.09054617	0.05153361	0.01029989	0.07038527	-0.05400446	0.05400446
IFITM1	-0.12120485	0.09793655	0.14150813	-0.03933859	0.08731459	0.08019446	-0.01794153	0.01794153
GLT8D2	0.00794884	-0.13481861	0.16324875	0.0940016	-0.01710579	-0.00714098	0.66002796	-0.66002796
IRF2BPL	0.05623065	-0.10210604	0.05483245	-0.01610054	0.01521551	0.00461099	0.32134521	-0.32134521
TMEM182	0.03537969	0.11971202	0.01920576	0.0165991	-0.0317979	-0.0572038	-0.21988442	0.21988442
PC	-0.04591473	0.00293355	-0.02077749	0.10151446	0.03197179	0.09958629	-0.14905242	0.14905242
MRFAP1L1	0.05632668	0.01121322	0.03777526	0.02318934	-0.03708133	0.02157745	-0.04156528	0.04156528
DCAF13	-0.01855179	0.15580546	0.02403268	0.03331443	0.01500667	0.06946861	-0.23729534	0.23729534
FKBP10	0.06666219	-0.01654618	0.01450717	0.13066913	-0.02724493	0.1073971	0.02355812	-0.02355812
NEMP1	-0.02956374	0.02848571	0.10439385	0.01188292	-0.00402183	0.1016236	-0.08814376	0.08814376
CAMKK1	-0.06175752	0.09724689	0.05331013	-0.06128797	0.00937059	0.01987741	-0.03414066	0.03414066
BTF3L4	0.04032147	-0.04189561	0.11271933	0.05189228	-0.04876234	0.0420744	0.0667849	-0.0667849
C1QTNF4	0.03788295	-0.21507768	0.06122173	-0.0203101	0.01030029	-0.02926135	0.35207	-0.35207
NAALADL2	0.16108314	-0.11985694	0.12377981	0.10100313	0.03044097	0.06997717	-0.06059027	0.06059027
SMAP1	-0.02778938	-0.10093905	0.05913632	0.09806838	0.01448435	0.11269942	-0.03114324	0.03114324
SLC22A15	0.05788746	0.01472509	0.02658851	0.00162281	-0.08351142	0.06633595	-0.00869115	0.00869115
PROC	-0.01326881	0.02117379	-0.02150099	-0.01601017	-0.06367699	-0.07042668	-0.05594359	0.05594359
RRP9	-0.0836126	0.07929879	-0.00764786	-0.07949366	-0.01392453	0.0124453	-0.20551465	0.20551465
CBX1	-0.03327973	-0.00156177	-0.00902548	-0.04485421	-0.0009035	-0.02142616	0.09623818	-0.09623818
PLOD3	0.05113297	0.05757567	0.05694394	0.0224491	0.03840887	0.01510604	-0.07961798	0.07961798
GALM	0.02893216	0.08181869	-0.00107178	-0.01679663	-0.00040845	-0.03250191	-0.26979863	0.26979863
ILF3	0.03618764	0.01685065	0.05355011	-0.0318172	0.02253091	0.04639525	-0.17625492	0.17625492
PLAGL2	0.01127758	0.0523928	0.04879659	0.02268984	-0.05092158	0.05483522	-0.14965515	0.14965515
CAMKK2	0.06140004	-0.02262921	0.11055763	0.04078917	0.06429966	0.07129342	0.07845235	-0.07845235
INPP4A	0.04847302	-0.03867276	0.17950562	0.11604428	0.03171555	0.12591773	0.16950385	-0.16950385
DNAJC28	0.04356006	-0.02490416	-0.01340314	-0.09197458	0.01724013	-0.07197271	-0.06975544	0.06975544
SMAD6	0.09694497	0.02871103	-0.02080278	0.00032934	0.00774272	0.08720768	-0.08915205	0.08915205
ASIC1	-0.01386765	-0.04739766	0.07507612	-0.07410555	0.01360137	0.05144967	-0.01799833	0.01799833
CCDC51	-0.11921616	0.08392147	0.0669369	-0.03948645	-0.0297914	0.05070054	-0.21920659	0.21920659
RRAGD	0.00412279	-0.03131902	0.00381891	-0.06880784	-0.0079617	-0.00810439	0.10528588	-0.10528588
MIGA2	0.09269839	0.0947945	-0.04783465	-0.01327988	-0.01153748	0.04684386	-0.2198889	0.2198889
FABP5	-0.04865766	-0.00779093	-0.12651922	-0.05521896	-0.0443736	-0.04377254	-0.18676807	0.18676807
S100A6	-0.09362101	0.11862237	0.02459092	-0.01106504	-0.0341338	-0.00779854	-0.04007568	0.04007568
TNNI1	0.01176619	-0.04584947	-0.03503836	0.04280312	0.01795317	0.07148654	-0.23998614	0.23998614
LIPE	-0.17830421	-0.01516627	0.03098588	0.06986413	-0.00673052	0.05953455	0.11031985	-0.11031985
RAB19	0.04778774	0.05275049	0.06696071	-0.03611625	0.1290046	0.0796375	-0.15249192	0.15249192
TWF1	-0.02437405	0.03350281	0.10991211	0.00645284	-0.03482115	0.08144914	-0.27566947	0.27566947
C8orf88	-0.06789346	-0.15135883	0.07578149	-0.00552395	-0.00953732	-0.03482004	0.35147889	-0.35147889
PCGF5	-0.02778757	-0.01419046	0.17211693	-0.01748646	-0.05484676	0.05447722	-0.07872636	0.07872636

ATP10A	-0.00678486	-0.1105961	0.12954766	-0.0615621	0.00404301	0.05281358	0.40614487	-0.40614487
S100G	-0.0474657	-0.08305743	0.01547439	-0.05697086	-0.0249829	-0.02286935	-0.06007957	0.06007957
TMPRSS4	0.05754897	0.08127286	0.00606854	0.03936313	-0.05225345	0.05694606	-0.20543446	0.20543446
IDNK	0.06075107	0.01716992	0.00363311	-0.04433756	0.11188171	-0.08572704	-0.07960184	0.07960184
COL8A2	-0.05060243	-0.12940551	0.14530621	0.02955076	0.00840209	0.05140808	0.61407399	-0.61407399
PTPRM	0.04845239	-0.06380914	0.16252343	0.14609104	0.06198178	0.07960508	0.41191351	-0.41191351
EMD	-0.0097736	-0.00584801	-0.06114524	-0.08521951	0.03248327	-0.06276905	0.04056246	-0.04056246
MRPS16	-0.07424363	0.02339995	0.01317571	0.00744811	-0.08622081	0.09107311	-0.08752265	0.08752265
RDH12	0.04502645	-0.15683343	-0.1074895	-0.03890634	-0.02235771	-0.0440009	-0.09297048	0.09297048
SMIM10L1	-0.12857743	-0.04275773	0.09409284	0.03812579	-0.05431772	0.02151981	0.09516142	-0.09516142
S100A3	-0.02069603	0.04809858	-0.06711899	-0.01427221	-0.00154966	-0.01955607	0.09343941	-0.09343941
TBX1	-0.06674949	0.08051942	-0.05205916	-0.1208317	-0.0027888	-0.07136572	-0.03313257	0.03313257
KATNA1	-0.08777493	0.07475454	0.09673564	0.00942983	0.03370836	0.01187681	-0.1274938	0.1274938
PPFIBP2	0.04246573	0.02786698	-0.0081281	0.00664924	0.01912873	0.05857201	-0.19037968	0.19037968
F11R	0.12517911	0.06026957	-0.04018251	0.0118423	0.00664515	-0.00682805	-0.2813438	0.2813438
TJP2	0.03641677	0.07265335	0.05483126	0.04495336	0.04829099	0.07524147	-0.27768023	0.27768023
ABCG2	0.04751373	-0.0021932	-0.00306352	0.05882838	0.03426615	0.03835847	-0.08215754	0.08215754
NPR3	-0.04981596	-0.08439781	0.02400481	0.05864045	0.01406168	0.04525167	0.26266178	-0.26266178
SLC7A1	0.02006255	0.04648513	-0.03326088	-0.00249636	-0.01859893	0.07408316	-0.21512772	0.21512772
DLGAP5	-0.08715208	0.05364635	0.06176653	0.05425253	-0.0509644	0.14638971	-0.31354589	0.31354589
NUP210	0.01607141	-0.04711171	0.02148969	0.0592931	0.06528605	0.14488963	-0.02533364	0.02533364
TYSND1	0.00639256	0.08174289	-0.04260302	-0.06223944	-0.0024819	-0.01292238	-0.12674278	0.12674278
MOB3A	-0.08625312	-0.04144302	0.04402894	-0.00353793	0.00555183	0.0422241	0.10720575	-0.10720575
MTX3	0.02274079	0.00909927	0.13866263	0.15273241	0.02151406	0.14430175	0.16364469	-0.16364469
SHROOM2	0.03154217	-0.05079821	-0.0432739	-0.01914893	0.02387673	0.01165853	-0.02744869	0.02744869
IFITM2	-0.05894739	0.0016224	0.06075327	-0.03374394	0.07521396	0.00446728	0.27988491	-0.27988491
TRIQK	0.04533231	0.14147271	0.06425521	0.10716298	-0.00233529	0.0020195	-0.1458631	0.1458631
PSTPIP1	0.02343217	0.00246318	0.15297293	0.06448483	0.00076894	0.04246961	0.24038141	-0.24038141
SIRT1	0.016255	-0.05225548	0.1763311	0.10481988	0.00883418	0.14398471	0.0135312	-0.0135312
FUT4	-0.01555207	0.04888488	0.0670495	0.04059885	1.55E-05	0.05015147	-0.18646023	0.18646023
RCC1	-0.08919472	0.07318136	0.05389056	-0.01706257	-0.02249064	0.06064782	-0.26368747	0.26368747
RNF125	-0.02723151	-0.01476652	0.18919916	0.045912	0.00085709	0.05455802	0.07408677	-0.07408677
ZKSCAN3	-0.05678442	0.03104485	0.09822751	0.06323054	0.04078805	0.05935336	0.03319471	-0.03319471
PLEKHO2	0.01802854	-0.06475517	0.21283996	0.11068236	0.03486519	0.08150561	0.41373731	-0.41373731
ATP6V0D1	0.05260723	0.01407971	-0.02784628	-0.02017552	0.02916567	-0.00652162	-0.0290325	0.0290325
PON3	-0.08317708	-0.02082289	0.04512682	0.01582951	-0.00803258	0.06004909	-0.06995761	0.06995761
C9orf152	0.12285949	0.04471875	-0.05526936	-0.09676988	-0.00027844	-0.04244426	-0.24782	0.24782
ODF2L	0.0004459	0.10609545	0.09616017	0.09855338	0.05119859	0.07834612	0.07959689	-0.07959689
LANCL2	0.03836687	0.02171157	0.0523838	-0.04204444	0.04920391	0.03847256	0.06519062	-0.06519062
SEPTIN6	-0.1106994	-0.05535247	0.06252708	0.00288134	0.01354504	0.03843987	0.08166568	-0.08166568
LPIN2	-0.02460287	-0.00850553	-0.01555721	0.07582852	-0.0141608	0.04925349	-0.17613714	0.17613714
LPAR2	0.09575916	0.06175325	-0.10996501	-0.14694743	0.02654532	-0.07557373	-0.19440948	0.19440948
PTPN18	-0.0032274	0.06825791	-0.037876	-0.03388815	0.05167105	-0.03994518	-0.10191174	0.10191174
TEFM	0.00256275	0.10694575	0.09337809	0.03728092	0.07823523	0.05452181	-0.21573715	0.21573715
PPFIA3	-0.01028576	0.18185935	-0.11972402	-0.14483515	0.0536379	-0.09112094	-0.13768433	0.13768433
ESYT1	-0.04918856	-0.001687	0.09601963	0.04939501	0.0561276	0.03463035	0.11427167	-0.11427167
TFEC	0.00923432	0.04394412	0.29423189	0.136118	0.00272786	0.10146076	0.09328374	-0.09328374
PIK3R3	0.05803785	-0.04914516	0.12668367	0.05877689	0.01235061	0.06600282	-0.04893909	0.04893909
TCF7L1	-0.06418511	-0.11792998	0.05574086	0.0341001	-0.00892035	-0.0175551	0.27928633	-0.27928633
MS4A4E	0.02827113	-0.11711663	0.07758329	0.06901116	0.0024379	0.00151716	0.32237704	-0.32237704
FHIT	-0.06335522	0.01749874	0.06706687	0.0237317	0.09428674	0.02220253	-0.13340572	0.13340572
VCAM1	0.00480406	-0.00411686	0.20154737	0.08857986	0.05038945	0.07556489	0.29223264	-0.29223264
RAB3GAP2	0.02811591	-0.05697449	0.12660543	0.06079162	0.03658104	0.11164984	-0.13498231	0.13498231
TMEM273	-0.03306692	-0.08710305	0.17038373	0.08630231	0.00777174	0.05337589	0.34842801	-0.34842801
GAD1	0.03724788	-0.03372255	-0.01706281	-0.07056414	-0.03979066	-0.00955907	-0.06800768	0.06800768
TCTA	-0.03867295	-0.00541884	-0.03505689	-0.0127488	0.01320988	-0.05173378	-0.04783239	0.04783239
CTSC	-0.00975978	0.00013476	0.18061404	0.10891427	0.02990189	0.03783384	-0.04283123	0.04283123
GP2	0.11487781	-0.008316	-0.01058357	-0.01068272	-0.0233206	-0.00062506	-0.08710718	0.08710718
CASS4	0.03066548	0.01493346	0.12418602	0.01350978	0.00030204	-0.01462723	0.21558975	-0.21558975
HOXA1	0.02714112	-0.04359848	-0.01810584	-0.00304678	-0.02770985	0.03721022	-0.10025801	0.10025801
MTIF2	-0.01723468	0.1618116	0.12723857	0.03141622	-0.03097921	0.04549914	-0.36147223	0.36147223

ATMIN	-0.02888568	0.05670298	0.15596635	0.09409425	0.06516493	0.08193179	-0.07487137	0.07487137
TEPSIN	0.12247144	0.09292677	-0.00721532	0.05141528	0.03820067	0.08679338	-0.0808856	0.0808856
KRBA1	-0.09308453	-0.04754422	0.03212606	-0.03276881	-0.02444795	-0.01804536	0.16205829	-0.16205829
SMOC1	-0.07482535	-0.02266051	0.02953673	0.08664918	-0.01923037	0.12881166	0.01897517	-0.01897517
MBTPS1	0.00328924	0.04069445	0.12745428	0.14158562	0.09507791	0.08023177	0.04014772	-0.04014772
DDT	-0.16608144	0.06308776	-0.00774821	-0.0493608	-0.04363993	-0.03810774	-0.21076582	0.21076582
SMG6	0.05992834	-0.01212407	0.11130778	0.07074502	0.03180183	0.08963925	0.11774713	-0.11774713
CUL1	-0.03356528	0.04114726	0.16124111	0.0399813	0.04971389	0.07648951	-0.10150143	0.10150143
TRNT1	-0.12208138	0.04441347	0.13323939	0.00640284	-0.01981153	0.10991906	-0.0942172	0.0942172
SPCS1	0.01281364	-0.01204584	-0.04725739	-0.06316805	-0.06197231	-0.02353381	-0.17517439	0.17517439
NKTR	0.01903184	0.10061754	0.1043278	0.13809936	0.01219523	0.12623373	-0.08609683	0.08609683
SIRT2	-0.04050877	-0.04824246	-0.07355489	-0.02995844	-0.01929687	-0.07390764	0.06933036	-0.06933036
TOR1A	-0.0683172	0.09354025	0.01644016	-0.01424007	0.00627476	0.00720209	0.00867942	-0.00867942
ITIH5	-0.01724687	-0.1401924	0.0987162	0.07902833	0.00827903	-0.00779696	0.3789338	-0.3789338
KIN	0.02160134	0.06336764	0.12801915	0.02520304	0.04326055	0.06921304	-0.17665277	0.17665277
VDR	-0.04795437	0.10849298	-0.02616133	-0.02941246	0.04038893	0.05382317	-0.13003126	0.13003126
ADGRL2	0.07490195	-0.15538697	0.04102958	0.07016588	0.0245438	0.03768438	0.27658261	-0.27658261
PCDHB14	0.10651173	0.04622824	0.10454105	0.0308641	0.04295627	0.05183183	0.1639258	-0.1639258
SMIM4	-0.10024347	-0.00392975	0.01455744	-0.02148729	-0.06412097	-0.02479754	-0.07999179	0.07999179
GORASP2	0.01586104	0.16359206	0.00942196	0.06557177	-0.02401198	0.01713552	-0.1751429	0.1751429
PHC2	0.06067191	-0.06172716	0.02761169	-0.00316801	0.05829864	0.01313702	0.31181671	-0.31181671
RELB	-0.00455042	0.05761963	0.01235864	-0.0328125	0.05124491	0.00661475	0.24008586	-0.24008586
RACGAP1	-0.05616674	0.03231717	0.01445282	-0.0224161	-0.00052553	0.0839342	-0.26579763	0.26579763
NAT14	-0.01395685	-0.01129961	-0.06289087	0.00665979	0.00976736	0.01607736	0.213433	-0.213433
F2RL3	0.06043085	-0.04619132	0.14905355	0.06342699	0.02645417	0.08944735	0.28006303	-0.28006303
ATG2B	0.05505198	0.07369664	0.09664823	0.13157442	0.06072932	0.1121048	-0.05347151	0.05347151
ILDR2	0.02362635	-0.14517653	0.05990258	-0.02993275	0.02483934	0.03528323	0.11545961	-0.11545961
ACVR1C	0.00447616	0.16754907	0.01115078	-0.04433399	-0.07517155	-0.04719264	-0.18218415	0.18218415
MYOC	-0.02289576	-0.09634182	0.03349297	-0.02861038	-0.01788574	-0.00277416	0.23144726	-0.23144726
GPCPD1	0.09332988	0.05353844	0.07754413	0.00722308	-0.03099195	0.04578067	-0.01377495	0.01377495
ITIH2	0.03403784	-0.09963573	-0.02662112	-0.03388307	-0.01240239	-0.05044704	-0.05030211	0.05030211
PLAG1	0.03256748	6.61E-05	-0.04393042	0.05369741	-0.04947268	0.02134942	-0.03165399	0.03165399
COTL1	-0.05887459	0.01392221	0.00803299	0.03592898	0.0386143	0.01259648	-0.02628047	0.02628047
PRRX2	-0.07628268	0.00067588	-0.06815126	-0.02294167	0.08240393	-0.04314419	0.05631436	-0.05631436
LRCH2	0.01797862	-0.1469211	0.20286317	0.07608851	0.0100577	0.0058278	0.48220366	-0.48220366
OPA3	0.01700289	-0.07141172	0.0829932	0.07397989	0.0301301	0.10771198	0.08091296	-0.08091296
ENTPD3	0.06669085	-0.01348173	-0.2068799	-0.11494604	-0.0476507	-0.14056246	-0.10433767	0.10433767
MIDN	0.03258319	0.03409146	0.12709204	0.0625674	-0.01874821	0.10201839	-0.10080345	0.10080345
TTK	-0.06893326	0.06185741	0.0538904	0.05968843	-0.03019963	0.09698073	-0.29002771	0.29002771
RPL14	-0.15257613	0.02420105	0.09555064	0.01221071	-0.09741112	0.01877116	-0.03651817	0.03651817
APOBEC2	-0.02425203	-0.15315789	0.00301851	-0.00771991	0.01843423	0.04919727	-0.04561712	0.04561712
LRPAP1	0.06567673	0.03630725	-0.06526489	-0.01492538	-0.00192566	-0.03161613	-0.00609863	0.00609863
CHMP6	0.14116255	-0.01719253	-0.07749499	-0.03171899	0.00606428	-0.02201288	0.11118338	-0.11118338
PTPDC1	0.04637738	-0.02252446	0.05676303	0.07747612	-0.03029241	0.06646678	0.07655909	-0.07655909
ZNF616	-0.01312911	0.06887612	0.14386662	0.05464145	-0.00490594	0.07903954	-0.09460209	0.09460209
ZKSCAN8	-0.02225292	0.0198377	0.15237385	0.09543487	0.04932033	0.09304721	0.10338815	-0.10338815
PDZD4	-0.0772593	-0.17254439	0.10967787	0.02306349	0.02047255	0.01542995	0.39820177	-0.39820177
ACVR2B	0.01704769	-0.02012223	0.0072549	0.02173718	-0.04885374	0.02540313	0.01835234	-0.01835234
BCL2L2	0.05178237	-0.09832954	0.08919593	0.02369456	0.02813417	0.00199487	0.2485566	-0.2485566
PTX3	-0.08240013	-0.04538743	-0.00340307	0.09485651	0.02765255	-0.0596536	0.29413394	-0.29413394
TRABD2A	-0.07846761	0.15851945	0.14105541	0.02442797	-0.02386819	0.02268214	-0.17230217	0.17230217
UBE2D4	0.0609499	-0.14341565	0.07943501	-0.03575632	0.0014211	-0.0511851	0.25056726	-0.25056726
CD200	0.01910377	-0.05345639	0.13286794	0.04987176	0.02809232	0.04877341	0.43349078	-0.43349078
TTC1	0.00668477	-0.03673763	0.04630552	0.07076838	0.02529063	0.02025692	0.05134797	-0.05134797
MMP15	0.07548424	0.11150991	-0.01166177	0.03085202	0.05266563	0.02010623	-0.2655005	0.2655005
QKI	0.00631668	-0.10480466	0.23357538	0.1309903	0.05234462	0.05487687	0.48357927	-0.48357927
KIF21B	-0.00059483	0.01162438	0.12706598	-0.00149953	0.02845528	0.07579054	-0.08898061	0.08898061
CISH	-0.06880488	0.09732158	0.05715359	-0.06530195	0.03056247	0.0301861	-0.11976595	0.11976595
UBE4A	-0.02720948	0.03126752	0.11881075	0.09778438	-0.04299673	0.12635054	-0.2074262	0.2074262
PTPN14	0.02885162	-0.16445326	0.10640432	0.08676337	-0.00313311	0.07127399	0.27841441	-0.27841441
VASP	-0.11902454	0.03130406	0.03658351	0.00250998	0.00638625	0.03821945	-0.01995567	0.01995567

PRKX	-0.26480164	0.04212221	0.1346686	-0.04269469	0.05276175	0.09718078	-0.07194469	0.07194469
BSCL2	0.02471233	-0.01544361	-0.13412465	-0.06630774	0.01961477	-0.01010243	0.06576823	-0.06576823
NPW	-0.03483071	0.02636325	-0.01426741	0.03038938	0.04631235	-0.01864164	0.12196584	-0.12196584
AMBRA1	0.04098055	0.0044532	0.07580981	0.00451773	-0.00842649	0.09237786	-0.04693443	0.04693443
TRIM46	0.01053273	-0.02948673	0.07805964	0.1062528	-0.01298794	0.06727287	0.06621735	-0.06621735
TLR6	-0.02321931	-0.03412871	0.06720824	0.12017245	0.03306803	0.05586107	0.14424947	-0.14424947
PRCC	-0.04985333	-0.05393574	-0.05388545	-0.01854188	0.03977759	0.00386609	-0.13048939	0.13048939
EXOC2	-0.01230214	0.00576773	0.16041074	0.04526176	0.03372776	0.06226885	-0.05343945	0.05343945
MAT1A	0.01704822	-0.09354034	-0.0441098	0.04401624	-0.03459237	0.03812063	0.01592477	-0.01592477
CADPS2	0.09081902	0.02362285	0.10451143	0.00636086	-0.00317357	0.04177919	-0.11148497	0.11148497
CCDC124	-0.04953189	0.07577847	-0.0543357	-0.15121797	-0.01828115	-0.06380726	-0.0056195	0.0056195
MYEOV	0.00920803	0.04133429	0.05991026	0.04572585	-0.01134519	0.06606382	-0.04459264	0.04459264
RAB11FIP1	0.04702049	-0.01035336	-0.08199476	-0.06955169	-0.01511648	-0.05221283	-0.2369672	0.2369672
KCNIP4	0.02619248	-0.03297248	0.12957812	-0.01539712	0.00631601	0.01798946	0.14151727	-0.14151727
IGFBP2	0.01860268	-0.10352836	-0.05203643	-0.0235679	-0.01354633	0.00238666	-0.07004085	0.07004085
CTDSPL	0.01439954	0.02742006	0.09120897	0.00418002	0.06172813	0.01592711	0.05565549	-0.05565549
TNFRSF17	-0.01497388	0.00943599	0.08676958	0.13809093	-0.01257005	0.14699945	0.02836209	-0.02836209
MEAF6	0.0125084	-0.00325329	0.14179201	0.02394868	0.0039554	0.01403781	0.05375465	-0.05375465
DNAJB5	-0.05616632	-0.16266982	0.07385226	-0.00983282	-0.01475551	-0.04197137	0.34486276	-0.34486276
NACA2	-0.14173066	-0.08872749	0.04682838	-0.02667958	-0.02697019	0.04631742	-0.00490611	0.00490611
SNRPN	-0.03742095	-0.17331272	0.12156251	0.00085319	0.07403823	-0.02611362	0.37886457	-0.37886457
USHBP1	0.08814087	-0.0585132	0.16806882	0.08466783	0.10554295	0.0608455	0.35555692	-0.35555692
DYNC1I1	-0.06603234	-0.10357897	0.07037752	0.02276414	-0.01867471	-0.03165313	0.29773295	-0.29773295
PROCR	-0.06199318	0.02714008	-0.0284775	-0.01404565	0.01387375	0.00896094	0.01353315	-0.01353315
RASSF7	0.0286472	0.13623722	-0.01689626	0.00605515	0.01621095	0.06699501	-0.17931109	0.17931109
TNFSF12	-0.05524221	-0.14086741	0.09547713	0.01437394	-0.00232858	-0.04323452	0.53389106	-0.53389106
ZCCHC7	-0.13346813	0.08790255	0.06117807	0.00605906	-0.02805644	0.0751064	-0.07027571	0.07027571
GYPC	-0.02434945	-0.17943795	0.14385016	0.0274059	0.01326725	-0.03802881	0.55909228	-0.55909228
GARS	-0.01365235	0.12523475	0.10712511	0.03699086	0.04128188	0.07898579	-0.23727771	0.23727771
RUNDC1	0.08262782	0.01334972	0.13527428	-0.01405747	0.12710513	0.1206209	-0.12521255	0.12521255
HIPK1	0.01280295	-0.02373682	0.11928907	0.02320468	0.00416473	0.0472078	-0.09251996	0.09251996
ZNF268	-0.06394056	-0.02336446	0.10050209	0.00889856	0.05772328	0.04775802	0.03168874	-0.03168874
MED26	-0.0123632	0.09188781	0.0852715	-0.01184662	0.08717166	0.07131979	-0.08563019	0.08563019
RTL10	0.0168184	0.03474193	-0.08013142	-0.09167969	-0.0036304	-0.02416346	-0.13900452	0.13900452
RAB33B	-0.01598061	-0.06625685	0.12609298	0.07311274	0.0529786	0.02552268	0.0951723	-0.0951723
CC2D1B	0.07477697	0.06112515	0.05128565	0.04166615	0.01463697	0.09798745	-0.02926934	0.02926934
DYNLL2	0.00520456	-0.04071317	0.07050613	0.00365316	0.07217658	0.07303741	0.02228309	-0.02228309
GAL3ST2	0.08287771	-0.00113265	-0.01242702	-0.02463072	-0.03752185	0.01238719	-0.07991743	0.07991743
RPAP1	0.03023995	-0.00675226	0.02561855	0.02685243	0.05195184	0.05019272	-0.10753007	0.10753007
ZC3HC1	-0.00334505	0.00974513	-0.0002945	0.00628157	0.07536943	0.03170447	-0.07336598	0.07336598
TRMT112	-0.13784207	-0.00914665	0.04754946	-0.05654897	-0.05878926	0.01744639	0.07629855	-0.07629855
FOXA3	0.03152003	0.02760026	-0.13492613	-0.00769854	-0.03582016	-0.04455886	-0.22693905	0.22693905
SP110	-0.05785442	0.01326171	0.18992753	0.10112959	0.0266027	0.07536917	0.17467722	-0.17467722
COMMD4	0.04188286	0.0043258	-0.01739305	-0.06596182	-0.00140599	0.01607392	-0.04676701	0.04676701
CNTFR	-0.08071091	-0.03361707	0.01698797	-0.00505788	0.07362542	0.08358945	-0.10065081	0.10065081
KCMF1	-0.08471913	0.11739604	0.05127361	0.00179138	0.01161316	-0.02063279	-0.10697444	0.10697444
DDX56	-0.07202011	0.09725486	-0.07761653	-0.03329627	0.04396199	-0.00527865	-0.2042846	0.2042846
MPC1	-0.05217705	0.057043	-0.01685424	0.0048263	-0.04187009	-0.02904046	-0.28659334	0.28659334
PPCDC	0.08526599	0.03414604	-0.10366413	-0.06221612	-0.00811037	-0.00630556	-0.0846832	0.0846832
FAM120C	0.04495613	-0.14018294	0.07359499	0.03023909	0.00533092	0.07114039	0.14554017	-0.14554017
SLC48A1	-0.03910459	-0.03324437	0.03324109	-0.07155812	-0.04416718	0.02002958	0.11677937	-0.11677937
IQGAP1	0.0098955	0.05330254	0.10696829	0.05944701	0.01336643	0.13554541	-0.09824152	0.09824152
PCOLCE	0.05778565	-0.09223411	0.09053082	0.00624186	-0.0361676	-0.06823219	0.63103103	-0.63103103
PCK1	-0.01053286	0.02169235	0.02420957	0.00470341	0.03087044	0.00404444	-0.16619462	0.16619462
POLR2E	-0.06554559	0.01797119	-0.04528055	-0.10419749	-0.04541539	-0.05869915	0.01410711	-0.01410711
GNPDA1	0.06952381	-0.05120614	0.1244589	0.04209067	-0.01439174	0.06394536	-0.04941824	0.04941824
ZNF821	0.07152234	-0.01021553	-0.07110304	-0.02593136	0.10671565	-0.02693233	0.11009281	-0.11009281
IQSEC1	-0.02909781	-0.0800155	0.07168795	0.01672475	-0.00244033	0.06528669	0.19976789	-0.19976789
ABCD2	-0.02836109	-0.07150416	0.22791866	0.10836777	0.05924859	0.08752393	0.23796776	-0.23796776
RPL32	-0.11345438	-0.0510272	-0.05264332	-0.06043929	-0.05802311	0.0112421	0.06636211	-0.06636211
F10	-0.04110362	-0.05597631	-0.05720412	0.03650961	-0.07381961	0.04403669	-0.02647244	0.02647244

BNIP2	0.06461999	0.07038418	0.16104494	0.10983575	0.04553107	0.06595895	0.08713221	-0.08713221
C16orf74	-0.03766587	0.00644316	-0.04577323	0.00086414	-0.01033629	0.03367122	0.03895389	-0.03895389
LRGUK	0.05468103	0.02469564	0.05676532	0.02560018	-0.03882229	-0.00129959	-0.04961937	0.04961937
MFS6L	-0.09414245	0.03051299	-0.07306951	0.01325402	-0.04429579	0.01441454	-0.14367662	0.14367662
MACC1	0.16216569	0.11149938	0.04956188	-0.01175684	0.00146481	0.04044	-0.19199498	0.19199498
ATP9B	0.0378645	-0.00655405	0.11303102	0.12604458	0.05363342	0.07404253	-0.04113204	0.04113204
TYMP	-0.02665928	0.04699999	0.0765348	-0.03815511	0.00800969	0.06354091	0.07683044	-0.07683044
KIFAP3	0.06264804	-0.02613842	0.13390499	0.05990899	0.091623	0.06812808	0.06114325	-0.06114325
SNAPC3	-0.0427911	0.08230225	0.05871899	-0.06589064	-0.01353233	-0.00218969	0.09366289	-0.09366289
MMRN2	0.03707789	-0.08437513	0.14006916	0.08183442	0.08191417	0.05202921	0.44666403	-0.44666403
ITPR1	0.00706513	-0.14718294	0.14719587	0.1358905	0.03767802	0.05374294	0.35898069	-0.35898069
TMBIM6	0.00658305	-0.07619192	0.05226077	0.07415529	-0.0196828	0.10530029	-0.19266178	0.19266178
NQO2	-0.06657166	0.09037858	0.00360304	0.00151422	0.07325923	0.04627628	-0.0774687	0.0774687
BTD	-0.00209792	-0.0495937	-0.071027	0.0251946	-0.00166749	-0.03973662	-0.08416934	0.08416934
PML	0.0207221	0.00688646	0.09086343	0.01040628	0.01788838	0.11016174	0.16664712	-0.16664712
DPP3	-0.03407248	0.08085713	-0.02059323	-0.00073756	-0.00368078	0.06486526	-0.1582727	0.1582727
TRMT5	-0.13435327	0.06357332	0.12649971	0.07883006	0.02605352	0.15510937	-0.153899	0.153899
GRINA	-0.02747628	0.08765785	-0.01168274	-0.02194782	-0.01062373	0.02467053	-0.03459726	0.03459726
ASF1A	-0.03281404	0.01986038	0.09512787	0.08762903	0.01294254	0.09581481	-0.16863196	0.16863196
CCDC113	0.00895085	-0.03028022	0.0668006	-0.05851199	0.10825341	0.09248484	-0.08889558	0.08889558
CD248	0.09862906	0.01915906	0.07619176	0.00053003	-0.03926025	0.01548361	0.51088361	-0.51088361
GCLC	0.08304456	-0.01046884	0.02211477	0.05731835	-0.03369571	0.00599216	-0.18897741	0.18897741
AFAP1L2	0.06077358	0.00963572	-0.0362931	-0.0060777	-0.0231783	-0.01177001	0.02850662	-0.02850662
ENHO	-0.060446	0.01886433	-0.06005071	-0.0603123	-0.04578848	-0.02931947	-0.10974756	0.10974756
SPAAR	-0.01325857	-0.02956118	0.04269618	0.03615212	0.01980287	0.0400175	0.21707372	-0.21707372
MAP4K5	0.0723703	0.04272875	0.13359085	0.07311528	0.03345433	0.0634883	0.04874864	-0.04874864
SNX7	-0.04577347	0.07883144	0.03892902	-0.01408851	0.08271368	-0.01135024	-0.1099268	0.1099268
CCDC74B	-0.05965537	0.00947947	-0.020285	-0.04217576	0.03367781	0.01747034	0.19736049	-0.19736049
P2RX4	0.10378941	0.00292726	-0.02386761	-0.06311892	-0.02170604	-0.01691636	0.00624383	-0.00624383
FAM83H	-0.05170656	0.15702985	-0.03480513	-0.01372728	-0.02400375	0.02902411	-0.27230869	0.27230869
TNPO1	0.01116271	-0.00230256	0.17612557	0.1229287	-0.04616085	0.13592838	-0.12671021	0.12671021
SLC35F6	-0.01427192	-0.0102745	0.09906887	-0.0033122	0.01629843	0.08609561	-0.04165446	0.04165446
FIBIN	0.00889419	-0.12608138	0.18642943	0.04932753	-0.03041661	-0.00570798	0.59117441	-0.59117441
RAP1GAP	0.09160174	-0.01711259	-0.08422968	-0.01312169	0.04257283	-0.12032374	-0.03000231	0.03000231
AKAP17A	0.00655408	-3.89E-06	0.04564818	0.02475627	0.01740348	0.10854625	-0.07558287	0.07558287
YIF1A	-0.02370037	0.09099498	0.00106644	-0.01565796	0.02054789	0.09796798	0.0093331	-0.0093331
RNF170	0.02078854	-0.04821598	0.05992279	-0.01194697	-0.01224067	-0.00398514	-0.06800561	0.06800561
LZTFL1	-0.04684225	0.02370381	0.07080454	-0.0011776	-0.02726571	0.05422694	0.01234394	-0.01234394
FAM174C	-0.11976987	0.05854575	-0.02895843	-0.10583866	-0.0256708	-0.04053747	-0.00545774	0.00545774
EHMT1	0.01223849	0.04745623	0.08333615	0.01761594	0.00669741	0.0966923	-0.04657527	0.04657527
ZNF879	-0.01166186	-0.07948518	0.04418224	-0.05371747	0.04191957	-0.03848896	0.12977335	-0.12977335
IQCE	0.08262647	0.03562453	0.06406561	0.01680746	0.02817288	0.07372424	-0.09840508	0.09840508
ERCC8	0.08451088	-0.01014859	0.17897764	0.09200322	0.01137781	0.10549764	-0.05058166	0.05058166
FBP1	0.10490926	0.01415482	-0.04074492	-0.06900592	0.03441246	-0.08174137	-0.17602206	0.17602206
AC118549.1	0.03562709	0.0608237	0.12310187	0.09833761	0.02425876	0.08817032	-0.18597667	0.18597667
TNFRSF14	0.05301895	0.13297388	0.05500874	0.03149317	-0.00424663	0.07458773	-0.14494545	0.14494545
C1orf56	0.0108468	-0.05635734	-0.0641304	-0.00798549	0.01744053	-7.11E-05	-0.00547919	0.00547919
CD1A	-0.01402711	-0.07620868	0.0520561	0.01455429	-0.04479917	-0.01322186	0.0442458	-0.0442458
NRROS	-0.02418034	-0.07035174	0.09411754	0.02095486	0.01941222	0.02923011	0.2604388	-0.2604388
ATP2B4	-0.0449438	-0.14279822	0.09933346	0.02556211	0.03217388	-0.04116637	0.33285558	-0.33285558
ADAT1	0.08115497	-0.01396435	0.15376813	0.10208475	0.11568757	0.1222124	-0.12219175	0.12219175
BRMS1L	0.00631207	0.01128647	0.08038943	0.10598981	0.01021984	0.05595314	0.03702415	-0.03702415
RAB3GAP1	0.02756242	0.01155805	0.1817363	0.11104241	0.04842499	0.07777073	0.0293297	-0.0293297
CCL28	-0.01439433	0.12250243	-0.10034428	-0.05987994	-0.08142652	-0.04432396	-0.23149666	0.23149666
BICDL2	0.1692622	0.12219916	-0.05029232	0.00751033	-0.02175186	0.00145112	-0.23595304	0.23595304
AGAP4	0.13009412	0.0604785	0.07341671	0.07003392	0.0576354	0.09215263	-0.0420816	0.0420816
FAM216A	-0.05682148	-0.13932048	0.07431978	0.02544959	0.02049244	0.05770773	0.12754453	-0.12754453
TSPAN32	-0.02275473	0.04428022	0.02170031	-0.08009317	-0.01472317	-0.01429676	-0.01030293	0.01030293
KPNA6	-0.00229372	-0.02210566	0.09480567	0.05384468	0.01922128	0.05473276	-0.00339298	0.00339298
ALG5	0.03760533	0.12048401	0.04335771	0.06874848	0.05490831	0.11593711	-0.18190649	0.18190649
MOCS2	-0.01650983	-0.02017876	0.02270246	0.05509235	-0.04225715	-0.01064219	0.04155698	-0.04155698

CSNK1G1	0.03913319	0.04375797	0.07999149	0.00579288	-0.00960265	0.04870051	-0.14412795	0.14412795
TTC37	0.14938169	-0.05205159	0.15468163	0.17545925	0.009674	0.13275567	-0.03731264	0.03731264
ZNF75A	0.07704599	-0.10216217	0.00247887	-0.01837055	0.11124662	0.046352	0.0395534	-0.0395534
CYBRD1	0.00560878	-0.18164409	0.15987484	0.09369435	0.00093705	0.03738889	0.41928754	-0.41928754
TACO1	-0.04913549	0.03992439	-0.04747893	-0.0519618	0.0708472	0.00277786	-0.17067692	0.17067692
CDC37	-0.03731475	0.05803452	0.03876821	-0.11630156	-0.02526871	-0.0054164	-0.102737	0.102737
FRS3	0.02761912	0.12254117	-0.09592957	-0.09828168	-0.04367169	-0.07612123	-0.03182827	0.03182827
PIGZ	0.07734874	0.00013484	0.03738693	0.07437879	0.00404355	0.06380993	-0.0536958	0.0536958
FAM162B	0.01822326	-0.07372324	0.17020643	0.04538229	0.10030069	0.05617906	0.27842141	-0.27842141
C15orf65	0.04899161	-0.0346401	0.02792002	-0.00476714	-0.034378	-0.06290129	-0.00353219	0.00353219
KATNAL1	-0.0719893	-0.14089725	0.08902652	0.02157711	0.02104993	-0.01472597	0.35173497	-0.35173497
N4BP2L1	0.06867911	0.0137133	0.13077144	0.02608744	0.02828307	0.03066421	0.05037002	-0.05037002
LAMP5	-0.02568661	-0.12137037	0.02684399	-0.05614436	0.00138257	0.03421469	0.35096432	-0.35096432
VPS13C	0.09967919	0.07799019	0.16269043	0.07657363	0.06237603	0.09672841	-0.03949039	0.03949039
PDE6D	-0.00162566	0.00953539	-0.01143239	-0.12408137	0.03685147	-0.01603998	0.00779693	-0.00779693
KCTD14	0.01631354	0.11723467	0.02805934	-0.02819922	-0.02023725	0.02659374	-0.12389182	0.12389182
ATP11B	0.04669254	0.00114857	0.11425718	0.073444	0.00825251	0.07021402	-0.1819092	0.1819092
EML4	0.07039058	0.06664573	0.12881402	0.12459831	0.06675798	0.14452898	-0.22496838	0.22496838
PITX1	0.01173103	-0.03000479	-0.17274634	-0.06448799	-0.03114937	-0.04016642	-0.07355923	0.07355923
DCLK1	0.0345923	-0.04340077	-0.01306366	0.06466404	-0.01428564	-0.01780229	0.08514146	-0.08514146
RHBDF1	0.04706885	0.13613809	0.13755086	0.05423758	0.06846155	0.12006872	0.04740859	-0.04740859
EFNB1	-0.03129876	0.05667939	0.02917313	-0.06016916	-0.0266552	0.00299888	-0.13504408	0.13504408
RNF135	-0.01808722	0.03078859	0.09509476	0.04179372	0.14624738	-0.02851135	0.10081846	-0.10081846
ALS2CL	0.06490399	0.06705547	-0.0111972	0.04245433	-0.04346854	0.06341077	-0.1482674	0.1482674
CTBS	-0.03003235	0.07308122	0.21524328	0.09810623	0.00357572	0.05397695	-0.02616977	0.02616977
TMSB15A	0.00879792	0.01752408	0.00939353	0.01413082	0.02624348	0.07716034	0.1440424	-0.1440424
INPP5B	0.00858931	-0.05916025	0.1459572	0.04042219	0.07131286	0.08492882	0.1861282	-0.1861282
KCTD15	0.00983781	-0.1056181	0.09494058	0.06350749	0.06470763	0.06982474	0.3400701	-0.3400701
TSACC	-0.04489752	-0.02385075	-0.07163298	-0.06273254	0.06843664	-0.03258738	-0.1852827	0.1852827
ABITRAM	-0.00070828	0.07611324	0.06888734	-0.02788414	0.0007288	0.06181989	-0.162937	0.162937
KLC1	0.06197407	-0.03270786	0.08790201	0.09911608	0.04459435	0.09869356	0.1320123	-0.1320123
ADH4	0.07477266	-0.1021566	0.04152442	0.1365078	-0.02522004	0.07917788	-0.07059106	0.07059106
IFIT5	-0.06842431	0.04978894	0.1859714	0.01316065	-0.0170168	0.04751351	0.08290802	-0.08290802
EXD2	-0.02370079	0.01192362	0.07009852	-0.00242853	0.01584541	0.04945596	-0.06094919	0.06094919
COASY	0.0470248	0.1000895	0.05344707	-0.06677753	0.04738852	0.04828112	-0.2051162	0.2051162
RPS6KA2	0.07983351	-0.02424358	0.1021214	0.06635036	0.0015949	0.04015338	0.3179794	-0.3179794
CYP7B1	0.02983784	-0.08197209	0.06966242	0.02934434	0.01888299	-0.01218692	0.3818194	-0.3818194
IFT52	0.07112473	0.03817223	0.03471505	0.05416915	0.02263108	-0.0081865	0.00423886	-0.00423886
NRBP2	-0.0522321	0.05382676	-0.01787577	-0.02038483	0.03869605	-0.00679692	0.06148493	-0.06148493
NPIP15	0.114384	0.1321076	-0.05762632	0.02362552	0.04553391	0.01989515	-0.2406088	0.2406088
SMARCA5	0.02407464	0.02766664	0.1430929	0.1410475	0.06718043	0.1388595	-0.1094982	0.1094982
FAM24B	0.1172011	0.09102845	-0.0564464	0.01091344	0.01286275	0.00844358	-0.06037542	0.06037542
FBXO33	-0.02457695	0.03670267	0.1288201	0.06718458	0.04322195	0.1032739	-0.07022104	0.07022104
DNALI1	-0.0593222	-0.09171634	-0.08747165	-0.00862025	-0.03202404	-0.00985907	-0.00757127	0.00757127
IPMK	-0.02812519	0.1084355	0.07951694	0.01880747	-0.02856137	0.0297156	-0.2751616	0.2751616
SPATA12	0.08287645	0.00231918	-0.05236363	-0.1235367	0.04571101	-0.07230672	-0.08055373	0.08055373
RRN3	-0.00475462	0.05806574	0.1922499	0.07831681	0.121306	0.1121751	-0.1276316	0.1276316
ANK1	-0.04855273	0.00010787	-0.0429961	-0.04395718	-0.04126118	-0.0312867	0.02789521	-0.02789521
UGGT1	0.0029437	0.01887922	0.1174206	0.1324128	0.04174084	0.1265331	-0.1598311	0.1598311
ASB1	0.08259165	-0.05052104	-0.01106213	0.0505623	0.0196453	-0.00604876	0.1655272	-0.1655272
GTF2E1	-0.00872651	0.04502294	0.1371769	0.05444681	0.00289671	0.1024595	-0.08539374	0.08539374
POLR2H	-0.02354866	0.1594747	-0.04415902	-0.02216111	0.00901224	-0.00480208	-0.1706449	0.1706449
TBC1D9	0.02009359	-0.03897275	0.09624025	0.1311053	0.05250687	0.09513656	0.1972053	-0.1972053
SSX2IP	0.02779691	0.07208883	0.1399292	-0.02964157	0.04497272	0.03643927	-0.1861103	0.1861103
CMTM4	0.03299157	0.04153224	0.01194046	-0.03231044	0.00218055	0.02258281	-0.2819391	0.2819391
TSPAN5	0.08234189	0.07776051	-0.1005878	-0.07650962	-0.00849594	-0.07663448	0.118289	-0.118289
HSPA5	-0.08026783	0.1057623	0.02717872	0.09610468	-0.00711935	0.07123347	-0.2501563	0.2501563
ASAH2B	0.07457806	0.09441604	0.03360627	-0.02327391	-0.00899427	0.02734906	-0.1598606	0.1598606
IFT140	0.09903511	-0.04397498	0.02383329	0.01724105	0.04243096	-0.01436632	0.06688894	-0.06688894
SCGB3A1	0.05017176	-0.04932863	-0.09464424	-0.06824964	-0.00361734	-0.1018899	-0.06011496	0.06011496
MFS4A	0.06254829	-0.127915	0.00530985	-0.01412778	-0.05529735	-0.08317531	0.01096135	-0.01096135

CDC25B	0.0548001	0.09673819	0.02725602	-0.06879148	-0.01710605	0.04764852	-0.1330828	0.1330828
RER1	-0.01824698	0.1085124	-0.08317433	-0.00583598	0.02327398	0.00678722	-0.1884009	0.1884009
MPZ	0.0368163	-0.03876555	0.00317063	0.07290529	-0.01532706	0.03294258	0.07866758	-0.07866758
CNPY4	-0.00746395	-0.04752956	0.003145	-0.00525303	-0.0455598	-0.05079242	0.2550198	-0.2550198
MON1A	-0.09201391	-0.02616519	-0.07122683	-0.0952917	-0.03037017	-0.03196376	-0.137146	0.137146
CIAO3	0.05544593	0.06107873	0.00214893	-0.02543345	0.02044968	-0.03024535	-0.1076279	0.1076279
TMEM41A	-0.01958575	0.08455425	0.05340755	-0.00747577	0.02041062	0.01289872	-0.1497482	0.1497482
MLPH	0.05770179	0.06672905	-0.07355446	0.00945963	-0.01726465	-0.02135917	-0.2074758	0.2074758
RBM24	-0.04527773	-0.1183389	0.06327982	-0.00464826	0.06465671	-0.09281904	0.2457481	-0.2457481
GNAO1	-0.06130767	-0.1539355	0.0963727	0.01391375	-0.01066339	-0.01452694	0.4026702	-0.4026702
ZFYVE28	0.02028232	0.06727234	0.0671649	-0.02883939	0.02569048	0.1076751	-0.132371	0.132371
ZNF785	0.1222722	-0.0268286	0.1053647	0.1008677	0.1303805	0.1104037	0.08285791	-0.08285791
CIRBP	0.06611528	-0.0416126	0.1060381	0.08269616	0.01297663	0.05811605	0.2337314	-0.2337314
CEP170B	0.05999975	0.07891294	0.05464866	0.09485361	0.05500309	0.1139973	-0.2023251	0.2023251
USP2	-0.03872711	-0.05296299	0.03683686	0.01260618	-0.0628111	0.03245011	0.08649674	-0.08649674
ZNF69	0.04253679	0.00287109	0.05775177	-0.040986	-0.02381111	0.0469244	-0.1309413	0.1309413
ERV3-1	0.1291967	0.1295016	-0.1037102	-0.01415798	0.09289952	-0.0351596	-0.06857541	0.06857541
TEAD4	-0.1041568	0.00974913	0.07447446	0.04001104	-0.00993634	0.08559291	0.06153826	-0.06153826
ADGRL1	0.01456965	0.02076032	-0.02068087	-0.07028564	0.08756743	0.0194392	-0.03075449	0.03075449
CDR2L	0.01049386	-0.04842947	0.03151393	0.06768807	0.04207969	0.05285896	-0.06865559	0.06865559
SMYD4	0.03460968	-0.00246323	0.1396312	0.08688056	0.03277928	0.1028645	-0.0263904	0.0263904
EIF3D	-0.09000688	0.0489453	0.04379081	-0.03251829	0.00280398	0.06745032	-0.1187701	0.1187701
TRRAP	0.0756938	0.00788548	0.07250924	0.02774193	-0.01351323	0.07057549	-0.09650273	0.09650273
ZNF684	-0.02305977	-0.00731326	0.08600171	0.01155205	-0.0689208	0.00090351	-0.06866177	0.06866177
TFCP2L1	0.09240867	-0.03963179	-0.07870224	-0.03320128	-0.07646608	-0.05239718	-0.1513939	0.1513939
BORCS5	0.0264987	0.00409591	0.02704893	0.02355695	-0.04209799	0.03242393	-0.05925673	0.05925673
HIGD1A	-0.04157838	0.01101419	0.06141264	0.05487873	-0.03062632	0.04209069	-0.178666	0.178666
FOXRED1	-0.0399946	0.1194442	-0.01447941	-0.05415629	-0.02928549	-0.00729814	-0.2539673	0.2539673
TMCO6	0.05820047	0.05360541	-0.07406649	0.044537	0.0421021	0.1036542	-0.03600304	0.03600304
SKP1	0.01773167	-0.104134	0.08071862	0.1181014	-0.01778902	0.03582495	0.1255059	-0.1255059
CEP70	0.05738351	0.08552375	-0.00463222	-0.00913531	-0.08889952	-0.04766589	-0.1730955	0.1730955
CXCL9	0.03635165	0.08273214	0.1574095	0.01945654	0.03277558	0.09034363	0.00846192	-0.00846192
DPY19L1	0.04260718	0.04140446	0.1577147	0.09496971	0.05119876	0.09941223	-0.1201912	0.1201912
HLA-F	0.08195676	0.1057785	-0.00341395	0.04268413	-0.05454478	0.05864225	-0.05342782	0.05342782
NEK8	0.06082275	-0.00388742	0.05735979	0.0487889	0.1063027	0.09687675	-0.1758646	0.1758646
LGALS2	0.05879245	-0.03005631	-0.03554189	-0.07911033	-0.02135523	-0.05593266	0.0399037	-0.0399037
CWC25	-0.02476623	0.06931085	-0.03813044	-0.01790137	0.05080581	0.0078555	-0.1258224	0.1258224
MYZAP	0.1067613	0.01462259	-0.1037262	-0.02691851	-0.05930301	-0.07370482	-0.1392824	0.1392824
CARS	-0.03667618	0.1296802	0.08253264	-0.01754054	0.02904761	0.03887887	-0.1007093	0.1007093
ZNF148	-0.00738814	-0.00420195	0.1899524	0.09022253	-0.01228145	0.1254064	-0.05176162	0.05176162
TRIM7	-0.09278988	0.1176022	0.07527254	-0.04699059	-0.06324777	0.05401111	-0.09085107	0.09085107
PLK2	0.01730325	0.04743005	0.01779543	-0.00452016	0.04529161	-0.01112388	0.08113682	-0.08113682
GON4L	0.07194089	0.01823828	0.05196026	0.1016791	0.06771041	0.09134782	-0.05912252	0.05912252
TPPP3	0.05920739	0.05717949	-0.02602517	-0.1283971	0.06897554	-0.05240793	0.03397095	-0.03397095
LONP1	-0.03878473	0.05470947	0.08353949	-0.06986478	0.02322433	0.02473648	-0.1297363	0.1297363
AKR1B10	0.02972309	-0.08039058	-0.09430988	0.06341196	-0.08976534	0.01984058	-0.233756	0.233756
MYO5B	0.01741949	0.1324301	0.07647139	-0.0318254	-0.00959207	0.00328962	-0.2829316	0.2829316
SMG8	-0.02713321	0.01796703	0.05078178	0.02496197	0.0445757	0.03381201	-0.03739254	0.03739254
C1QL3	0.01921646	0.04202875	0.07018434	0.00370006	-0.04855765	0.02151546	-0.09046256	0.09046256
CACNA2D1	-0.03614961	-0.1233954	0.1003965	0.07715837	0.01713329	-0.07601319	0.28626	-0.28626
PTPRZ1	0.01930692	-0.01912542	0.02320958	-0.06190929	-0.01643243	-0.08293193	0.00155898	-0.00155898
PET117	0.04176996	0.02510958	0.138397	0.00870427	-0.08948514	0.04801041	-0.134452	0.134452
SLC27A3	0.1240604	-0.02848225	-0.0686848	0.03164396	-0.01528717	-0.04749985	0.0290129	-0.0290129
TEF	0.02233526	-0.1031942	0.0095424	0.0753195	-0.00581888	0.0759376	0.2033397	-0.2033397
DESI1	-0.117026	0.06884913	-0.00369993	-0.128383	0.03708414	0.00244586	-0.06964992	0.06964992
RBSN	-0.03827406	-0.1034972	0.1257695	0.0763333	0.02908196	0.08745873	0.1969272	-0.1969272
ITGA10	-0.07656149	0.0076934	0.03443416	-0.01896262	-0.01927151	0.00136598	0.08702659	-0.08702659
PXYLP1	-0.05368451	0.01854921	0.1036454	-0.00539389	-0.06242054	-0.00407964	0.08096735	-0.08096735
LEAP2	0.07512133	-0.02707521	-0.06538028	0.04922818	-0.03079051	0.04928928	-0.1277659	0.1277659
ODF2	-8.50E-05	0.1046977	0.01646719	-0.04162928	-0.00500465	0.03517296	-0.1398885	0.1398885
PXDN	0.07254385	0.00927986	0.07042258	0.02849981	-0.02623636	0.03123601	0.4051484	-0.4051484

PCDHGA10	0.05596758	0.05273928	-0.02045921	-0.03823925	-0.04726354	0.00853315	0.05941872	-0.05941872
NFKBIE	0.09969512	0.1351434	-0.07463956	-0.1062381	-0.02378296	-0.0566518	-0.02054543	0.02054543
SENP6	0.01428303	0.02315049	0.2112262	0.1123133	-0.0021491	0.1085387	-0.04709684	0.04709684
MACROD1	-0.02118306	0.104636	-0.03209245	-0.09501909	0.04101221	-0.03468461	-0.1129734	0.1129734
TSPAN8	-0.01544199	0.03780039	0.04801407	0.08047704	-0.04077957	0.06325464	-0.1787896	0.1787896
USP30	0.07016308	-0.08981879	0.03985393	-0.02412677	0.02683548	0.03365517	-0.00165205	0.00165205
APMAP	0.0761848	0.1079313	0.0414364	-0.01676272	-0.04040424	-0.00324506	-0.08185705	0.08185705
CTNNAL1	-0.02200618	-0.1220905	0.1269732	-0.01468115	0.01630457	0.06285011	0.1210146	-0.1210146
OXLD1	0.02479483	0.1034078	-0.1312804	-0.04366359	0.00659618	-0.04477363	-0.06270581	0.06270581
TSEN2	-0.02881716	0.08487167	0.1018839	0.09501731	0.0194767	0.1052038	-0.2225086	0.2225086
SCAMP3	-0.03086537	-0.01901531	-0.1139847	-0.0681993	0.02526818	-0.05897058	-0.1163847	0.1163847
BEGAIN	-0.1153358	0.04533445	-0.00492166	0.1207636	0.00621359	0.1615952	-0.00231509	0.00231509
ZSCAN5A	0.06053563	0.02748106	-0.05357002	0.04051825	-0.03365996	-0.0430595	-0.1185882	0.1185882
ANKRD6	-0.03768856	-0.1424494	0.06443471	0.08277193	0.08116537	0.0573841	0.2677122	-0.2677122
GNAI1	0.00361859	-0.05432964	0.03008903	0.05277362	0.04413547	-0.02487339	0.2607853	-0.2607853
IRGQ	0.05214708	0.00737931	0.06383912	0.06274696	-0.01231766	0.04559564	-0.01134087	0.01134087
ARL2	-0.00861109	-0.05832299	-0.02008588	-0.08399685	0.04198211	0.00329016	0.2572834	-0.2572834
TTC33	-0.05366231	0.01653964	0.07867845	-0.05487543	-0.04560781	-0.02153834	0.03054974	-0.03054974
ADAP2	-0.01962884	-0.03876301	0.2211015	0.1198992	0.07777968	0.07626801	0.375364	-0.375364
DSC3	-0.01966406	-0.00922097	-0.1614842	-0.06934257	-0.01470665	-0.0687851	-0.04570202	0.04570202
BMP8B	-0.05137617	0.1131615	0.03739337	-0.01078441	-0.01654917	0.06564475	-0.04983942	0.04983942
STIM1	0.04664232	-0.06975816	0.0381455	-0.00891468	-0.01310646	0.04139105	0.09995277	-0.09995277
IFI16	-0.04594805	0.00567116	0.1830554	0.07807934	0.06823812	0.05295795	0.2088562	-0.2088562
TNS4	0.00079002	0.02372354	0.01407936	-0.0857978	0.02141066	0.00657881	-0.1149716	0.1149716
PIIF	0.04363672	-0.01145528	-0.04720508	0.1041986	0.0065358	0.04685653	-0.2246244	0.2246244
BRD1	0.02556929	-0.01820083	0.05457906	0.0560563	0.03009172	0.07176864	-0.07697361	0.07697361
EIF4A1	-0.04559742	0.1523939	0.01965341	0.05253597	-0.01670578	0.02913778	-0.07130345	0.07130345
DOCK9	0.09321692	0.00964666	0.06797243	-0.01043336	0.00803102	0.01887258	-0.01018333	0.01018333
ARHGAP31	0.02329257	-0.0739595	0.1612382	0.07323959	0.02484327	0.06179813	0.4576297	-0.4576297
ARHGEF25	-0.06085292	-0.1703987	0.118957	0.04464486	0.02004042	0.01683142	0.4789602	-0.4789602
DIS3	0.05193481	0.04597296	0.1016181	0.03285353	-0.00929507	0.06913044	-0.1773214	0.1773214
UAP1L1	-0.0300918	0.07830313	0.0746815	-0.08563209	-0.03580543	0.01488264	-0.0370369	0.0370369
NEURL1	0.08686366	-0.1012585	-0.06274937	-0.01024348	-0.02714074	-0.03773506	0.03923679	-0.03923679
PI3	-0.06331508	-0.00928194	-0.01355175	0.07177682	0.03348547	0.03616187	-0.1321332	0.1321332
GTF3C2	0.03154019	0.09387719	0.00084914	0.081523	0.05149087	0.0750165	-0.2347073	0.2347073
FCRL2	-0.048835	-0.07681201	0.04748495	0.0703472	0.03861091	0.0467423	0.1503985	-0.1503985
URI1	0.03479185	0.00674513	-0.08318843	0.01148509	-0.04894766	-0.01058502	-0.03243384	0.03243384
UBALD1	-0.09622958	0.00155314	-0.03628631	-0.02060131	-0.03037304	-0.00916072	0.1206264	-0.1206264
USP12	-0.07528976	0.00914271	0.1151202	0.05275406	0.01575152	0.07772449	-0.04571892	0.04571892
OR211P	0.03430309	0.08107716	0.1278279	0.01890621	0.05326536	0.07434146	0.02636925	-0.02636925
OS9	0.09872046	0.04243937	0.03193644	0.05730222	-0.0388938	0.05117403	0.06107464	-0.06107464
RPUSD3	-0.1410709	0.06527807	-0.1059561	-0.1214648	-0.0331872	-0.03705939	-0.1278042	0.1278042
ADRB1	0.05738169	0.09845528	-0.02992102	-0.1478043	0.07625373	-0.02164734	-0.00428257	0.00428257
MSX2	-0.00333486	0.02433217	-0.04466874	-0.09587676	-0.0367222	0.00022708	-0.0551776	0.0551776
RNF214	0.01177182	0.00991171	0.0881655	0.06090098	-0.05553972	0.1144418	-0.1105623	0.1105623
HDAC2	-0.01949665	0.03236222	0.04403079	0.01983924	0.01580305	0.06900905	-0.2069795	0.2069795
AAMDC	0.02158896	0.01362568	0.03116867	-0.02449841	-0.04429239	0.01487869	0.09336216	-0.09336216
ALKBH8	0.01034591	0.02202894	0.140519	0.1389033	-0.02377777	0.1211382	-0.05510134	0.05510134
ZNF213	0.03985676	-0.01371587	0.00082566	0.01322722	0.08386927	0.02359328	-0.01057875	0.01057875
SRRD	-0.01068238	-0.06337934	0.06031039	-5.30E-06	0.02466255	0.00858476	0.1293544	-0.1293544
CLSTN1	0.09895163	0.03202128	-0.01722958	0.07547207	0.06370215	0.08171947	0.00224694	-0.00224694
EHBP1L1	-0.02595783	-0.03109401	0.1470522	0.1013254	0.05168534	0.08147683	0.1985735	-0.1985735
PCDH12	0.0737789	0.04187206	0.1126666	0.03689796	0.04699825	0.02756479	0.3444797	-0.3444797
PLSCR4	-0.03571301	-0.1007504	0.1952674	0.08235808	0.02983898	0.02876989	0.479888	-0.479888
ERBB3	0.06361204	0.07078663	0.04059004	0.05572623	0.04839435	0.1104581	-0.2500159	0.2500159
RGL1	0.01075882	-0.06783379	0.1127724	0.04820188	0.02879657	-0.06390154	0.3226065	-0.3226065
RARB	0.0754824	-0.1562866	0.0611561	0.07873802	-0.03427236	0.02596119	0.2192226	-0.2192226
ZNF583	-0.06123074	-0.07929642	0.06426307	-0.01661853	0.0330269	-0.03670986	0.2205445	-0.2205445
BLVRB	-0.07537759	-0.06564716	-0.07216002	0.01521056	0.01200171	0.01139786	-0.06980253	0.06980253
UNC119B	0.08937812	-0.1516112	0.02282316	-0.00080559	-0.00135554	0.05444256	-0.0414554	0.0414554
SATB1	-0.06515097	-0.08191848	0.1680549	0.1304647	0.03895944	0.03518964	0.26789	-0.26789

FAM81A	0.01131171	0.00712619	0.07703131	-0.04891259	-0.00048934	0.04105881	-0.1823554	0.1823554
SIK1B	0.02064272	-0.05384473	0.05938619	0.05147496	-0.04664226	0.1076208	0.07106139	-0.07106139
IRF8	-0.02531385	0.05562681	0.1669065	0.0827459	0.1003825	0.1000691	-0.08186478	0.08186478
PRKDC	0.02932694	0.0497805	0.05413717	0.01123957	-0.02320823	0.0391069	-0.1905534	0.1905534
TGM1	0.03192674	-0.02206005	-0.1571717	-0.06484996	-0.03042559	-0.06694622	-0.08228071	0.08228071
KDM3A	-0.01895527	0.01524773	0.1357664	0.05194514	-0.03103393	0.08839502	-0.1172411	0.1172411
ZNF585A	0.02604769	-0.02218385	0.0616797	-0.03323257	0.04971732	0.01004564	0.1216713	-0.1216713
IGSF10	0.00582227	-0.09746355	-0.00319882	-0.0011307	-0.037889	-0.08491713	0.124558	-0.124558
PEMT	-0.07656995	0.1590743	-0.03459709	-0.0306398	-0.03075275	-0.05251702	-0.04626784	0.04626784
ANGEL1	0.04619222	0.02274968	0.02575375	-0.01915004	0.02868047	0.0305469	-0.08232417	0.08232417
SOX2	0.08958276	-0.01316379	-0.103985	-0.1130826	-0.06709263	-0.1118851	-0.05728725	0.05728725
PHC1	-0.03477051	-0.1342335	0.08895355	0.05566256	0.02835563	0.0604353	0.3176223	-0.3176223
POLR2J3	0.1394422	-0.03994653	0.06609029	0.1081747	0.05840311	0.04897327	0.05102831	-0.05102831
RSPH14	0.06220437	-0.02657016	-0.04266592	-0.04273611	0.0033238	-0.0111098	0.05634292	-0.05634292
SUSD3	-0.05599367	-0.0545563	0.09946605	0.0541564	-0.01533017	0.08754574	0.09437472	-0.09437472
FAM72B	-0.09591902	0.0245655	0.00824918	-0.05606215	-0.02688611	0.02645803	-0.1688428	0.1688428
PI4KA	0.06851254	-0.0225939	0.1016977	0.0243722	0.02226914	0.08160037	-0.00575869	0.00575869
PICALM	-0.03689047	0.04770199	0.1567883	0.092623	0.03974377	0.09103671	0.04511297	-0.04511297
EIF4H	0.04664709	0.00738845	-0.01191261	-0.02643967	0.00276382	0.00952995	-0.05436248	0.05436248
SCRN1	0.01588362	-0.0682588	0.09870675	0.06588633	-0.04739773	0.01858948	0.06508506	-0.06508506
SNRPE	-0.06687621	-0.00134895	0.08940349	0.06700491	0.00652272	0.07874155	-0.1910327	0.1910327
ST6GALNAC6	-0.06132542	-0.1496904	0.07981144	0.01087789	-0.01866032	0.00442998	0.5179447	-0.5179447
FABP4	-0.07142856	-0.0939307	0.03666687	0.0921436	-0.00467961	0.04501861	0.2273599	-0.2273599
C2CD2	-0.03214638	0.03054536	0.1717746	0.08541737	0.06453518	0.09415461	0.1324056	-0.1324056
SUMO2	-0.05566295	0.03565762	0.04640366	-0.02602986	-0.00079249	-0.03066554	-0.04687606	0.04687606
DDX3Y	0.5952299	-0.08079041	0.06796421	0.0880798	0.03053906	-0.03622308	0.1661626	-0.1661626
ARHGAP33	0.02092052	0.1295782	-0.05380491	0.00089676	0.04851712	-0.00413024	-0.09637701	0.09637701
ELN	0.02298015	-0.1476763	0.1299736	0.03996555	-0.02993515	0.01924141	0.5161978	-0.5161978
TRAPPC10	0.00962511	0.05402667	0.07156906	0.04241628	0.05637242	0.09589527	-0.04792948	0.04792948
IL9R	0.06596358	-0.0273137	0.1512016	0.03513179	0.0011685	0.06809718	0.1793837	-0.1793837
TGS1	-0.03453424	0.1071457	0.06882072	-0.01189256	-0.06913413	0.01464313	-0.2322767	0.2322767
NAGK	-0.01097821	-0.01923102	0.00192686	-0.01261686	-0.0111603	-0.01922966	0.3063124	-0.3063124
HIST1H4L	-0.0833611	0.05735038	-0.08716842	-0.07855715	-0.05117428	-0.05103416	-0.06821666	0.06821666
SERPINF1	0.03612472	-0.1712791	0.08880874	0.02450997	-0.02425643	-0.05995453	0.5850487	-0.5850487
ATF7IP	0.0724774	-0.06881253	0.1743649	0.09023129	0.00090571	0.150646	0.02485347	-0.02485347
IGIP	0.0049755	-0.1475968	0.1489053	0.1334657	0.03227367	0.0421541	0.3232742	-0.3232742
CUEDC1	0.1254744	-0.0086224	-0.02268258	-0.07774652	0.00444758	-0.05931177	0.1891746	-0.1891746
TCEANC2	0.03829211	-0.03939578	0.06897008	0.01929463	0.02665784	0.04621729	-0.01838914	0.01838914
CGREF1	-0.1041799	-0.0177986	0.0248679	-0.00707087	-0.02845052	0.05406372	-0.07869553	0.07869553
OTUB1	-0.06261023	0.0648079	-0.1348541	-0.05697422	-0.0172437	-0.0369497	-0.08167917	0.08167917
C8orf37	-0.07376166	-0.01099725	0.06396761	0.00286548	0.01164033	0.03788876	0.03872195	-0.03872195
HS3ST2	0.05116071	-0.06130989	0.07041314	-0.00069986	0.02910602	0.02012204	0.1283107	-0.1283107
DTX3L	-0.05931156	0.09088444	0.1899372	0.03565208	-0.00223328	0.1270715	-0.112262	0.112262
B3GNT3	0.08589727	0.1249397	-0.02695216	-0.03375846	0.03053737	0.02697255	-0.2443489	0.2443489
PPP1R2	0.07366227	-0.05983671	0.09145029	-0.01490543	0.01207131	-0.0413048	-0.00480129	0.00480129
FLT3LG	-0.04167613	-0.1539348	0.1595838	0.04008563	0.02848773	0.05014743	0.3848333	-0.3848333
KIAA1191	-0.01491146	0.0305315	0.03427873	0.01661486	0.09537055	0.01888486	0.03463972	-0.03463972
EID1	0.00552962	-0.1844695	0.0760955	0.07875628	0.01128009	-0.05140224	0.4164344	-0.4164344
SF3B5	0.00237089	-0.0231069	-0.04754808	-0.07850396	-0.04153479	0.00437251	-0.0851943	0.0851943
CCDC153	0.06757638	-0.09739729	-0.1317431	-0.03056855	0.02330325	-0.0517725	-0.09589212	0.09589212
FBLN5	0.05319544	-0.1380338	0.1499585	0.04538539	-0.01571296	0.01908668	0.5302842	-0.5302842
UPF1	0.07308316	0.04060787	0.06009655	0.01634112	0.0383551	0.09446925	-0.1137188	0.1137188
MPL	0.01732081	-0.1390969	-0.00026272	0.02520023	-0.0157428	0.01264781	0.1008372	-0.1008372
NME6	-0.03566345	-0.00226915	0.05957814	0.00332787	0.00922802	0.07728261	-0.1236516	0.1236516
NUP58	-0.03125433	0.1040986	0.1274071	0.02393599	-0.01019125	0.1213603	-0.2680514	0.2680514
CNOT6	0.00543982	0.06879981	0.1486174	0.1024108	0.02617895	0.1588594	-0.1665493	0.1665493
FAM83D	-0.03340471	-0.1139084	0.04802896	0.00568079	-0.03225748	-0.02214581	0.2826882	-0.2826882
TTC12	0.06553372	0.07659344	0.04633068	-0.02133022	-0.01621985	0.04344972	-0.1937003	0.1937003
NAAA	0.02722268	0.04401401	-0.00053777	-0.0360392	-0.02872378	-0.01906483	-0.03528233	0.03528233
TRMT61A	-0.00775302	0.04222685	-0.00551004	0.01111588	0.01879289	0.05484375	-0.09543332	0.09543332
FKBP8	0.00627094	-0.00709646	-0.09971259	-0.0924092	-0.01138892	-0.06685158	0.1597716	-0.1597716

CAMK2D	0.03940082	0.00243488	0.06800467	-0.00457225	-0.00490742	-0.04524343	-0.1282532	0.1282532
AL645941.2	2.60E-05	-0.00111345	0.127169	0.06784553	0.03058315	0.101422	0.00992964	-0.00992964
RHOF	-0.0841634	0.01526666	0.04237669	0.04011806	-0.00257544	0.06739257	-0.02977482	0.02977482
SLC35E1	0.05919363	0.041429	0.06823835	0.05694269	0.0939028	0.07977944	-0.03209755	0.03209755
CCDC82	0.05723074	0.06993487	0.1190086	0.04308594	-0.02161605	0.04592279	0.05560267	-0.05560267
TMEM178A	0.03657435	0.03812689	-0.01026313	-0.03594197	0.01818603	-0.05063484	0.1600047	-0.1600047
C19orf53	-0.01999598	-0.0399433	-0.1582987	-0.1373308	0.00097875	-0.1124822	0.06027651	-0.06027651
ZAP70	0.01550116	-0.03785576	0.1273282	0.07912708	0.02999383	0.09905459	0.1541271	-0.1541271
TMEM14A	-0.00269917	0.0860415	-0.094915	-0.03185711	-0.04742115	-0.06421805	-0.2477152	0.2477152
RBP7	-0.08340827	-0.1130942	0.03265227	0.05846888	0.03995021	0.01136794	0.3099675	-0.3099675
TBC1D22B	0.03555919	0.1376392	-0.1022299	-0.01998184	0.00593092	-0.0501048	-0.1387704	0.1387704
CYC1	-0.08046015	0.1394565	-0.07560981	-0.04798079	-0.06578119	-0.03594673	-0.252757	0.252757
BRD7	0.06512364	0.02756278	0.02717046	-0.04839549	0.03821825	0.0033542	-0.03725282	0.03725282
SEPHS1	-0.00921059	0.04846777	0.1116401	-0.00739372	0.01899422	0.08049344	-0.1123761	0.1123761
NMD3	-0.0590359	0.0060682	0.1317197	0.1086819	-0.02194778	0.1196257	-0.1645593	0.1645593
TMTC3	-0.07810416	-0.01880486	0.143283	0.02655928	-0.02551103	0.06992116	0.08992259	-0.08992259
NTSR1	-0.00901948	-0.04184289	-0.00088208	-0.01444099	-0.00727474	0.01153258	0.06199812	-0.06199812
RNF6	0.00148894	0.08238694	0.1090748	0.0337299	0.00902973	0.144286	-0.2496145	0.2496145
TMEM64	-0.1624376	0.00288213	0.1277156	0.05034382	0.00050056	-0.00607082	-0.03672964	0.03672964
AFTPH	0.05763543	0.03260631	0.1397589	0.07958046	-0.0168533	0.09279593	-0.2461317	0.2461317
RPL37	-0.05117108	-0.01864497	-0.00697262	-0.08868259	-0.04380498	0.02939681	0.05707074	-0.05707074
HDAC7	0.08682897	-0.02677801	0.1320306	0.08352032	0.06706109	0.1412059	0.2723429	-0.2723429
ENO3	-0.00999488	0.06270684	-0.01346651	-0.00896199	-0.03245564	0.01191508	-0.07818972	0.07818972
GRHL3	0.04960786	-0.01009157	-0.1615221	-0.08646815	-0.01034475	-0.06398611	-0.08095165	0.08095165
RUSC1	-0.0597514	0.05222055	-0.02166721	-0.05416649	0.0352479	-0.03223901	-0.05050108	0.05050108
NBDY	-0.03261771	-0.02152615	0.01889486	0.08915185	0.02294805	0.07885317	0.158639	-0.158639
LAMTOR2	-0.1229979	-0.00322836	-0.00507325	-0.05838407	0.03713782	-0.04020391	-0.01926722	0.01926722
RHOA	0.1174113	-0.04923793	0.04215486	-0.00094182	-0.01788713	-0.02002075	0.01526766	-0.01526766
ST6GALNAC4	-0.109617	0.06443878	-0.09131426	-0.05083917	-0.00683904	-0.03242419	-0.02813236	0.02813236
DAP3	-0.08536429	0.02188565	0.05646171	0.00721013	0.08344888	0.00946721	-0.2179046	0.2179046
MSI2	-0.01869213	0.00365613	0.04247533	-0.00152699	0.03228874	0.04380892	-0.1133189	0.1133189
NPPC	-0.0370506	-0.1546529	-0.04257985	-0.05143773	0.00174804	-0.06496766	0.1773198	-0.1773198
DKC1	-0.01762062	0.132863	0.01353135	-0.02031288	0.00779062	0.03880458	-0.299598	0.299598
VIRMA	0.0103728	0.03598278	0.09362729	0.1204074	0.00347204	0.1127965	-0.1481369	0.1481369
TMEM217	0.06865364	0.03758817	-0.1076999	-0.02644963	-0.00473434	-0.06690497	-0.00701201	0.00701201
FYN	-0.06473428	-0.00789563	0.1406112	0.07569132	0.05689181	0.04748176	0.3547378	-0.3547378
DBNDD2	0.1084252	-0.00477208	0.00152294	-0.06031779	-0.00063518	-0.00775176	0.1112074	-0.1112074
ZNF782	0.08217372	0.0485428	0.06094847	0.03536654	0.02628841	0.04720477	-0.07449204	0.07449204
DNPH1	-0.02428428	0.1581287	-0.1619421	-0.1480081	-0.0489296	-0.1097059	-0.1478999	0.1478999
NAF1	-0.08147842	0.02099631	0.03331047	0.03063632	-0.00944078	0.06506872	-0.1511737	0.1511737
ARHGEF2	0.01297003	-0.00358687	0.0744119	0.00292496	0.07904546	0.01241991	0.1281903	-0.1281903
ZNF852	-0.01537594	-0.02201032	0.117909	0.03363522	0.00412114	0.1127337	-0.04039386	0.04039386
SEMA3A	-0.07191967	0.01040945	-0.01191492	0.02437116	-0.03004553	-0.00287902	0.1852507	-0.1852507
TK2	0.07133802	0.01739541	0.1287546	0.00214624	0.06303267	0.03951665	0.1564252	-0.1564252
SUMO4	-0.0346117	0.0176595	0.07800306	0.1200458	-0.05216876	0.07533626	0.07676232	-0.07676232
EPB41L5	-0.00735029	0.1210925	0.01852081	0.03229115	-0.00208	-0.00020739	-0.222085	0.222085
PRSS22	0.07491615	0.07095873	-0.0902924	0.02452191	-0.03320048	-0.0176793	-0.02057677	0.02057677
TMEM52B	-0.03502632	-0.1149155	0.1244745	0.02407967	0.03563916	0.03117424	0.2951237	-0.2951237
HPN	-0.00095608	-0.1012885	-0.09967604	0.01538379	-0.01857737	-0.0182924	-0.03709068	0.03709068
BIRC6	0.05774248	0.08800849	0.1272558	0.09484064	0.0330249	0.1133315	-0.1633116	0.1633116
PCGF1	-0.05948453	0.09041693	-0.02674761	-0.02479661	-0.03852	0.021389	-0.04337147	0.04337147
HTR3A	-0.06741482	-0.0014146	-0.00684752	-0.02315853	-0.02053218	0.01261196	-0.02684975	0.02684975
GBP2	-0.045123	0.03684742	0.2079925	0.01762469	0.03657101	0.0300955	0.1990886	-0.1990886
EEF1AKMT1	-0.00198834	-0.02687015	-0.00131323	-0.03184366	-0.0306946	0.02919747	0.07330234	-0.07330234
TOP2A	0.02768491	0.05060836	-0.03114674	-0.02627389	0.02786132	0.04299868	-0.2159801	0.2159801
CISD2	-0.04241049	0.1074882	0.01027743	-0.00242459	0.02017312	0.01965776	-0.1591821	0.1591821
TMEM181	-0.0025152	0.1166848	0.1376401	0.07335136	-0.03081251	0.05882061	-0.3003234	0.3003234
CCL4L2	-0.06692576	0.0819949	0.1082982	0.02586474	-0.04341867	0.00247561	0.0955827	-0.0955827
ANXA1	0.03020533	-0.03529956	-0.1402139	-0.05299579	-0.02721169	-0.04285721	-0.04542	0.04542
LAMTOR5	-0.1038519	0.01162975	-0.01116962	-0.06874036	0.02077046	0.00832676	-0.1184928	0.1184928
SGPP1	-0.0567704	-0.04657459	0.0908282	0.08787494	0.01571014	0.144353	0.073746	-0.073746

TCP11L2	0.00270209	-0.04193166	0.1161689	0.04993036	0.03947005	0.09539038	0.1221882	-0.1221882
FAM98B	-0.03429677	-0.00576678	0.1754903	0.04057526	-0.01047452	0.01738822	-0.01495675	0.01495675
RALGPS1	0.1109208	0.06843208	0.0716126	-0.02413187	-0.03702525	0.07186636	-0.202352	0.202352
LRRC56	0.09507117	0.1640192	-0.08946512	-0.04385718	0.07114675	-0.0278935	-0.09006699	0.09006699
TOR2A	-0.00678952	0.07469939	-0.07858262	-0.04889979	-0.03985089	0.0129706	-0.1901139	0.1901139
TSPAN33	-0.04992678	-0.1003869	-0.00450312	-0.03740965	-0.02238751	-0.01439408	0.06591768	-0.06591768
C5orf51	-0.06601587	0.01693365	0.07884316	-0.04537761	-0.03250076	0.01835735	0.02612362	-0.02612362
UCN2	0.07100927	0.04789932	-0.0503455	0.02417479	-0.02517557	-0.00161136	0.1324478	-0.1324478
CCSAP	-0.09162625	0.01682135	0.1504617	-0.02438999	-0.02299482	0.03695578	-0.1071671	0.1071671
CNOT9	-0.00174947	0.07798292	0.00592091	-0.03455116	0.03101597	0.01094304	-0.2220827	0.2220827
MT-ND5	-0.02051492	0.00421207	-0.02837236	0.07264428	0.00498415	-0.05666552	0.04264005	-0.04264005
SELENOP	0.00267655	-0.06751566	0.05158823	0.03075204	-0.01808265	-0.01871197	0.07638975	-0.07638975
SLC8A2	-0.092931	-0.1156658	0.07094883	-0.04169583	0.01534655	-0.03471521	0.238658	-0.238658
GPR75	0.02247788	0.02830318	0.06233913	0.1124794	0.02354615	0.0638088	-0.08747677	0.08747677
ENTPD8	0.083098	0.08413261	-0.100421	-0.0810107	-0.0329621	-0.1081923	0.0118525	-0.0118525
KCTD10	0.02666448	-0.133733	0.1541075	0.08004562	0.05416559	0.00588166	0.4405657	-0.4405657
CARD6	0.04452089	-0.03058647	-0.00029454	0.0096515	-0.0147819	-0.02049676	0.01117979	-0.01117979
IL11RA	-0.02898412	-0.06404629	0.05901348	0.03357032	0.05638294	-0.01532097	0.2381737	-0.2381737
TACC1	0.04454692	-0.151968	0.1637253	0.04513609	0.08384885	0.04911643	0.3206247	-0.3206247
PTPRA	0.08677395	0.06334478	0.1134417	0.01820792	0.01902517	0.02066701	0.0436721	-0.0436721
LTF	-0.05685114	-0.0706137	0.04147124	-0.02023911	0.137095	0.04151307	0.01377813	-0.01377813
NOL8	-0.04880073	0.03687412	0.1811582	0.04738768	0.02120717	0.1356376	-0.1244169	0.1244169
SETDB1	0.05752236	0.04739602	0.03149087	0.04260601	0.04012449	0.04682119	-0.1352487	0.1352487
SLC41A1	0.02401313	-0.0645094	0.07505578	-0.00044144	0.02229719	0.03431683	0.0480522	-0.0480522
RHOT1	0.06292345	0.01929284	0.0869923	-0.03294271	0.03640285	0.03146867	-0.06642786	0.06642786
HMCES	0.00459731	0.00861886	-0.00563157	-0.04139538	-0.02749015	-0.00686239	-0.186451	0.186451
TOB1	-0.02795521	0.05681376	0.1200802	-0.01495698	0.0867662	0.0299425	-0.08339794	0.08339794
SQOR	-0.06102831	0.1246827	0.05313872	-0.04892981	0.01462273	-0.00313567	-0.08158524	0.08158524
DSP	0.07329362	0.01718111	-0.1590855	-0.06080782	-0.03518611	-0.03629994	-0.1780185	0.1780185
KCTD7	0.01860782	-0.06095605	0.1315174	0.09683086	0.06392303	0.06974045	0.3044232	-0.3044232
SKA1	-0.1113708	0.09314482	0.02067451	-0.08761974	-0.06318354	-0.02842332	-0.2299936	0.2299936
RAB4A	0.03109933	-0.09042863	0.03962173	0.03482984	0.02672911	-0.01019382	-0.08673478	0.08673478
DPH1	-0.0173982	0.06124897	-0.02048239	0.02755726	-0.01970083	0.01529245	-0.06740951	0.06740951
CYP39A1	0.07623522	-0.01969609	0.0266442	0.03209945	-0.04585863	0.01935665	0.1059223	-0.1059223
DUSP28	0.01604875	0.0517181	-0.01279652	0.02935822	0.02961538	0.02751911	-0.08960605	0.08960605
SDC3	-0.02246521	-0.1701978	0.1588653	0.07102713	0.00146431	0.03423673	0.3373126	-0.3373126
ATP1A2	-0.05922989	-0.1349695	0.06393622	0.01562185	-0.01310475	-0.0129237	0.2908076	-0.2908076
TC2N	-0.03353723	0.1005887	-0.01150535	0.01441925	-0.05677423	0.03614393	-0.3159883	0.3159883
ABR	0.05094897	0.1240262	0.0416971	-0.02411835	0.05003433	0.02283505	-0.01189803	0.01189803
NUDT7	-0.0267071	-0.02522923	0.01078776	-0.1347048	0.01105121	-0.08332088	0.05758769	-0.05758769
SLC25A27	0.0340144	0.03118672	0.04190028	0.01113861	-0.04505779	-0.02799484	0.0796543	-0.0796543
ARHGAP22	0.05891408	-0.08637248	0.01972563	-0.00538682	0.01107115	-0.02438909	0.4168489	-0.4168489
ATP2A2	0.07144953	-0.00316377	0.04965711	0.03475505	0.0068245	0.08425179	-0.1545461	0.1545461
FXSD4	0.04486018	-0.03772797	0.04252852	0.0551795	-0.00152635	0.1173253	-0.00901694	0.00901694
ARHGAP16	0.05025465	0.1462045	-0.04874152	-0.00173172	0.00177221	0.00561998	-0.2940428	0.2940428
SLF2	0.05014584	0.02166982	0.1517312	0.07496056	0.01110225	0.1140868	-0.01440616	0.01440616
MTF1	0.01034621	0.01753673	0.05365756	0.04135611	0.00523011	0.0784734	-0.07579114	0.07579114
RABEP1	0.02617682	-0.03415598	0.2172783	0.07789048	0.04736567	0.07263692	0.08533393	-0.08533393
ARHGAP42	-0.01875784	0.1041981	0.1060617	0.1405645	0.07096598	0.1342181	-0.1294382	0.1294382
MAPK8IP1	-0.02239699	-0.04963284	0.00126867	-0.01859058	-0.03473479	0.00664094	0.09499093	-0.09499093
DOCK7	0.03342676	0.00635455	0.07333306	0.0353578	-0.01645084	0.00856492	-0.1305345	0.1305345
LPAR1	0.04075659	-0.1284748	0.05983417	0.09140779	0.00203749	-0.07451482	0.3638274	-0.3638274
HSPE1	-0.164217	0.1178736	0.0361291	0.03644774	-0.0396765	0.05502776	-0.2494045	0.2494045
CCDC92	0.04591073	-0.1390176	0.04829734	0.05846316	0.01655451	-0.00692842	0.3536696	-0.3536696
ZYX	-0.03929748	-0.03597773	0.1018544	-0.03060083	0.02947165	0.00961889	0.3858966	-0.3858966
MT-ATP6	0.01930285	-0.01966394	-0.0482307	0.00924742	-0.03867129	-0.01862267	0.02598517	-0.02598517
EMP1	0.04923049	-0.02390362	-0.08362595	-0.0452164	-0.02117626	-0.03558408	0.00113438	-0.00113438
PPIA	-0.00153638	0.09267641	-0.05607338	-0.00318729	-0.04788745	0.01315837	-0.2382716	0.2382716
GAL3ST4	-0.06377077	-0.0788567	0.1171994	0.09360929	0.04748432	0.05027722	0.3585034	-0.3585034
TMEM198	-0.0112654	-0.02799011	-0.03237446	-0.05305918	0.00620929	0.00858047	-0.00222471	0.00222471
FAM183A	-0.0151746	0.04037642	-0.0467849	0.0039179	-0.02032673	0.00454739	0.02637565	-0.02637565

AP3S2	0.04418139	-0.00191672	0.0380755	0.03823689	0.00231972	0.1051846	-0.03531661	0.03531661
SLC52A3	0.04138733	0.1578987	0.00997146	-0.08207492	-0.00737716	-0.00025205	-0.2197414	0.2197414
DHFR2	0.1071325	-0.0394391	0.1754406	0.0851222	-0.06053078	0.03468638	0.126354	-0.126354
CST6	0.06129908	-0.01754104	-0.07752869	0.06086405	0.00959539	0.03410854	0.05592291	-0.05592291
KYAT1	-0.00075943	0.02199461	-0.03003526	-0.07924332	0.04763029	0.01362114	0.06371753	-0.06371753
ALKBH4	0.01460844	0.00615051	-0.04986368	-0.01538292	-0.0071402	-0.01238092	-0.03384078	0.03384078
SDCBP	-0.04791921	0.04289859	0.1200875	0.1009144	-0.01433228	-0.05020227	-0.04039461	0.04039461
BLZF1	-0.09927052	-0.00422698	0.09523023	0.05295408	0.00617697	0.03782814	-0.1233257	0.1233257
SMC5	-0.05259053	0.1219638	0.01495323	0.04816461	-0.03865804	0.01939031	-0.2102365	0.2102365
CHST6	0.0140206	0.02080232	-0.00809676	0.03699185	0.01795782	0.01102428	0.03374324	-0.03374324
BCL6B	0.01104649	0.00607269	0.144545	0.04115375	0.04957972	0.03683642	0.4061867	-0.4061867
NINL	0.05639844	0.04286952	0.00377796	0.02411301	-0.05521826	0.04135135	-0.00580468	0.00580468
BRIP1	0.00901326	0.06137613	0.0416936	-0.035045	0.00540028	0.04054486	-0.2301402	0.2301402
SORL1	0.0464831	0.01711991	0.03341014	0.00939745	0.02727803	0.06283911	-0.09084655	0.09084655
QDPR	-0.09150032	-0.03302938	0.00107292	-0.03447702	-0.0563864	-0.00170404	-0.1601247	0.1601247
PCYOX1L	0.08581011	-0.07025077	0.02469209	0.00059082	0.01929894	0.0296706	0.01208073	-0.01208073
LGR4	0.04175413	0.09036048	0.07474265	0.1038997	0.1142523	0.107301	-0.2359565	0.2359565
ODAM	-0.01216428	0.02014242	0.00163232	-0.01542581	0.00289903	0.0253521	-0.02333632	0.02333632
RBM38	-0.03084727	-0.01858322	-0.05133471	-0.09934394	-0.01400387	-0.05262952	0.0267403	-0.0267403
COX18	-0.04077927	0.08491811	0.1242258	-0.010228	-0.00172189	0.04338667	-0.1526159	0.1526159
EDF1	-0.06406984	0.04659939	-0.02125137	-0.1088595	-0.1101032	0.0083861	0.00991602	-0.00991602
AKAP9	0.02661671	0.03361758	0.08430765	0.04004058	-0.04605747	0.07636319	-0.02199454	0.02199454
LILRA5	0.09236084	0.0097139	0.1401374	0.04571879	-0.03811541	-0.0118527	0.1958566	-0.1958566
PLA2G4C	0.03674843	-0.05690149	0.07937342	-0.05803444	0.09910974	-0.08129426	0.3351583	-0.3351583
MMS22L	-0.03671302	0.1169446	0.08507482	0.02614726	0.01815834	0.03215813	-0.2304223	0.2304223
SPPL2B	0.1276664	0.1126503	-0.03615736	-0.02579607	0.04372937	0.03632452	-0.0917104	0.0917104
FAM171A2	-0.03418467	-0.02515134	-0.03417787	-0.05656401	-0.01623719	-0.00941621	0.1511481	-0.1511481
GFPT2	0.00550471	-0.05541719	0.04840861	0.01218001	-0.02662089	-0.04152705	0.4403228	-0.4403228
ALPK1	0.07623234	0.08507852	0.1669037	0.08180805	0.07202913	0.07728578	-0.08894166	0.08894166
LYPD5	-0.07519878	0.05506731	-0.01969394	-0.02281834	-0.02182622	0.00236395	-0.04327293	0.04327293
NR2C1	-0.04542163	0.1256334	0.1158108	0.05766556	0.01780355	0.05024094	-0.1096441	0.1096441
ZNF470	-0.03193044	-0.04206395	0.09139692	0.02601762	0.01394819	0.02291627	0.1205822	-0.1205822
SMAD3	0.06557545	0.02717688	-0.00719713	0.02449463	0.07365785	0.09690651	-0.02060201	0.02060201
NDN	-0.03483419	-0.189189	0.1053404	0.03522812	0.01722152	-0.02645887	0.564696	-0.564696
CARD14	0.06818115	-0.01042333	-0.09507712	0.08333787	0.00156066	0.116659	-0.1580134	0.1580134
MTMR7	-0.1011178	0.01514705	-0.07794628	0.04515044	-0.06522192	-0.04359901	0.01681432	-0.01681432
PLA2G4A	0.03240886	0.04832594	0.01040398	-0.01862382	-0.00480055	-0.00961629	-0.1020594	0.1020594
TANGO2	-0.02468333	0.03454313	0.08302681	-0.01328648	0.01731311	0.01983141	0.1668408	-0.1668408
NUP98	0.00217137	0.02021681	0.1423126	0.06541114	0.06095912	0.122498	-0.1631627	0.1631627
PIGX	-0.01902376	-0.02747288	0.08064988	-0.00017266	0.05880779	0.03656511	-0.04830727	0.04830727
SLC19A2	0.01112664	-0.04001971	0.09169891	0.02513542	-0.01203219	0.07084698	-0.05961806	0.05961806
PILRA	0.02920331	0.04189759	0.1363778	0.06437234	0.00963222	-0.03760457	0.2799784	-0.2799784
NFATC4	0.02989197	-0.1453171	0.1185267	0.04163027	0.07536154	0.03430904	0.5013617	-0.5013617
RAP1GAP2	-0.00286747	0.1399215	-0.06154269	-0.0058656	0.00944659	-0.00692694	-0.1243176	0.1243176
TNS2	-0.00772914	-0.1355286	0.1352233	0.09639403	0.05165114	0.05215147	0.4944277	-0.4944277
FAM72D	-0.05348987	0.05809075	-0.03488735	-0.07583536	-0.00659659	-0.02437561	-0.1675545	0.1675545
ALYREF	-0.0563877	0.07117812	-0.05839116	-0.09843246	0.02460798	-0.01174383	-0.1183603	0.1183603
SOCS6	-0.1134227	0.1397171	0.08743911	-0.04762592	0.07085938	0.02442124	-0.162866	0.162866
DEPDC1	-0.1111922	0.1606559	0.03025145	0.03067923	-0.03224926	0.08225518	-0.3110011	0.3110011
HNRNPL	-0.02570048	0.09780016	-0.00221986	-0.05264745	0.03180629	0.02695955	-0.1585712	0.1585712
IQCN	-0.01194676	-0.1104504	0.06504497	0.01504251	0.00493161	0.03375262	0.05398785	-0.05398785
TRMT6	0.03793654	0.09837409	0.01422482	-0.04052584	-0.0448538	-0.01321891	-0.1548192	0.1548192
VWA7	-0.01544816	-0.04062106	-0.05586663	0.08543859	-0.0649986	0.07451326	-0.1452716	0.1452716
CC2D1A	0.09050462	0.05430469	-0.1890727	-0.09596329	0.02205466	-0.08415393	-0.2130052	0.2130052
AVL9	0.09833932	0.08172172	0.1038912	0.03929458	0.02075718	0.07936845	-0.2594729	0.2594729
TDRD5	-0.06395081	0.05756525	-0.08837135	-0.03323585	-0.03284718	-0.08300281	-0.1246226	0.1246226
CCL11	0.08012731	-0.08195668	0.03256003	-0.0146075	-0.03730793	0.00263583	0.2609686	-0.2609686
DSG3	0.01241092	0.01057495	-0.1032282	-0.05288537	-0.03934348	-0.01818299	-0.05744603	0.05744603
ARL1	-0.02247589	0.04167928	0.1347769	0.05698382	-0.04935237	0.04730459	-0.1548396	0.1548396
IL12RB2	-0.00277613	0.1407064	0.0043687	-0.03966932	0.05957635	-0.01608743	-0.05374086	0.05374086
C3orf52	0.1528589	0.05695492	-0.01881694	0.06996039	-0.01186647	0.08734312	-0.1662128	0.1662128

ANKRD49	0.05053441	0.1045172	0.1080924	0.0938203	-0.00890407	0.08009658	-0.1599825	0.1599825
PPIE	-0.06721895	-0.00117275	-0.03262235	0.00703475	0.06264294	0.03017314	0.00421149	-0.00421149
ERP44	-0.01004031	0.09910667	0.06743817	0.02098569	-0.06563559	-0.00310314	-0.2493379	0.2493379
TAF4B	-0.04012196	-0.00671382	0.1667424	0.09808527	0.01960111	0.0834653	-0.169674	0.169674
PCID2	0.01068077	0.08125442	0.07974181	0.03277985	0.00995435	0.09586227	-0.1235746	0.1235746
SARM1	-0.00976314	-0.07024368	0.0488302	0.09126841	0.01041707	0.06345795	0.1825226	-0.1825226
SMAP2	-0.05430304	0.00197373	0.04626144	0.00328634	0.00898602	0.01505142	0.05707727	-0.05707727
LIPT2	0.07197698	-0.0420958	-0.08230647	0.01930203	-0.05226201	-0.00433102	-0.263467	0.263467
SRF	-0.03296472	-0.01305061	0.016176	-0.05161112	-0.00108021	-0.04278883	0.1943495	-0.1943495
LTB	-0.02282591	-0.1315617	-0.02099138	-0.01758356	0.04913927	-0.04295746	0.2356577	-0.2356577
EIF4G3	0.03152879	-0.03202242	0.1066239	0.08001055	0.01330672	0.09901254	-0.00320489	0.00320489
BLACAT1	0.07474652	0.0074354	0.04035789	0.00306396	0.05287606	0.06398076	-0.05479802	0.05479802
SLC6A8	-0.1015787	0.06277851	0.05342706	0.01694916	0.02722512	0.0086795	-0.1146318	0.1146318
NOP14	-0.06014066	0.05459838	0.0165011	0.01476792	-0.00341131	0.04939472	-0.2312504	0.2312504
HCAR3	-0.04443701	0.05100638	-0.1021114	-0.03136786	-0.04076958	-0.04659526	-0.05699364	0.05699364
DMXL1	0.00695966	0.00260299	0.1332124	0.1057229	0.0026615	0.07075882	0.0120223	-0.0120223
AARS	-0.01808755	0.04544035	0.1089405	-0.00771217	0.08875993	0.03998706	-0.1148993	0.1148993
VIPAS39	0.05607	-0.02163072	0.04318186	0.03283381	0.09264794	0.0600086	0.0180893	-0.0180893
USP45	-0.02683854	0.08935197	0.1419348	0.1295527	-0.00473796	0.06628793	-0.1839361	0.1839361
CHMP4C	-0.03602272	0.1588532	-0.1007667	-0.06837272	-0.08910446	-0.07164471	-0.2693669	0.2693669
FAM83A	0.0139503	-0.00803646	-0.1253346	0.01678936	-0.05259468	-0.02150415	-0.03885688	0.03885688
TATDN1	0.01489035	0.1214932	0.04262725	0.05775593	-0.047416	0.05204449	-0.1401534	0.1401534
TMEM231	-0.03545132	0.08571034	0.08444093	0.01439381	0.09108276	0.02145148	0.01542835	-0.01542835
APOBEC3C	-0.03006236	-0.07924995	0.1246825	0.00830805	0.06627076	0.09449392	0.1543085	-0.1543085
AKIRIN2	-0.0658382	0.01365033	0.04916243	-0.02839282	-0.03315437	0.02883254	-0.00459052	0.00459052
TBX6	0.1256713	-0.04813081	-0.04639916	0.08550382	0.07990209	0.06513597	0.04468107	-0.04468107
NRP1	0.05305474	-0.01106778	0.1582538	0.1381099	0.06435733	0.0569859	0.3920168	-0.3920168
FLT3	0.01656947	-0.1128192	0.1319097	0.07034493	0.0554754	0.06478242	0.1865041	-0.1865041
RNF126	-0.05699145	0.0975051	-0.05183189	-0.07592366	0.02609543	-0.03787351	-0.1559437	0.1559437
ACTRT3	-0.00438214	-0.06552207	-0.00753029	0.00937995	0.01783675	0.04386446	0.0215242	-0.0215242
SYNPO	0.00014298	-0.1298572	0.076828	0.04602357	0.0197188	0.06400362	0.3956705	-0.3956705
DDB1	0.0483496	0.05998495	0.02343468	0.06397487	0.04354568	0.07992951	-0.129894	0.129894
RAD54L2	0.04717749	-0.02902183	0.0787849	-0.01186066	0.015471	0.04664572	-0.03059048	0.03059048
MTLN	0.02263029	0.01340088	-0.0839007	-0.122227	-0.02351755	-0.04130252	0.01367572	-0.01367572
ASF1B	0.00411238	0.09389485	-0.0890499	-0.0870705	0.06697076	-0.02448189	-0.2815474	0.2815474
DPH3	-0.1122316	-0.03043306	0.1108503	0.07990693	-0.0038512	0.02564509	-0.00656051	0.00656051
ZC3H10	-0.00505284	-0.07344884	0.08104251	0.04977145	-0.01095431	0.07087306	0.2049583	-0.2049583
FAM227B	0.01483162	-0.04234539	-0.04523115	-0.00082034	0.00917692	-0.06516438	0.05238164	-0.05238164
8-Mar	-0.02556518	-0.02175196	0.07795154	0.05726178	0.00062928	0.05543178	0.1164413	-0.1164413
MFF	-0.04785586	0.08548692	0.05458839	0.01165661	0.00291977	-0.00948873	-0.1080741	0.1080741
MSRB2	0.01264741	-0.00781987	0.01735762	-0.06203807	0.05589868	-0.0700245	0.08763765	-0.08763765
NLRC3	-0.03270265	-0.01633522	0.1622099	0.08414648	0.05542735	0.108744	0.1433238	-0.1433238
ALDH1B1	-0.00437905	-0.1163204	0.1043355	-0.03305241	0.02698113	-0.06414596	0.3135097	-0.3135097
FYB1	-0.0139059	-0.03727809	0.2169817	0.07918589	0.03921728	0.07389834	0.2060868	-0.2060868
ZNF394	0.04528545	-0.00291373	0.01958595	0.0719317	-0.02139736	-0.00105013	-0.02125684	0.02125684
CTCF	0.02582704	0.07680949	0.1227522	0.06745834	0.09551656	0.115658	-0.1473345	0.1473345
XPNPEP2	0.08754188	0.04320352	-0.01399384	-0.01661914	0.02275295	-0.03822063	-0.06230541	0.06230541
HOMER3	-0.00152839	-0.08377538	0.06310296	-0.03358233	0.04040749	0.01853281	0.275198	-0.275198
SLC33A1	-0.00161391	-0.01190233	0.08396016	0.123237	-0.04592073	0.1168041	-0.1137537	0.1137537
HRH1	0.01543811	0.05132012	0.06566444	0.03120555	0.06593401	0.01999118	0.16019	-0.16019
ERCC5	0.03977351	0.1227876	0.1198954	0.1125232	0.02121608	0.1012144	-0.1922735	0.1922735
TSPAN1	-0.03160693	0.05347291	-0.03295807	0.00138991	-0.0326235	0.01272031	-0.1644701	0.1644701
IRAK4	0.06752013	0.02469551	0.1139498	0.0440994	0.0047801	0.07109217	-0.01495884	0.01495884
GPR107	0.09467008	0.01146939	0.06366913	0.04441658	-0.02760261	0.1014336	-0.02489651	0.02489651
MRPS27	0.01410882	0.03905964	0.1038016	0.08967864	-0.0232443	0.1060986	-0.132221	0.132221
POLQ	2.98E-05	0.07569164	0.09866171	0.04083052	-0.01137765	0.1297485	-0.2954469	0.2954469
DDX58	-0.01452063	0.0508326	0.1647811	0.01004449	-0.00460641	0.05596091	0.09601931	-0.09601931
SNX22	-0.06520957	-0.06463141	-0.04993585	0.03991802	0.00904795	-0.04045678	0.07874339	-0.07874339
ECSCR	0.05143367	-0.04255902	0.10927	0.00067567	0.02130063	-0.04142636	0.436546	-0.436546
REX1BD	-0.03555996	0.1185754	0.0391801	-0.05340889	0.00043973	0.03362086	0.03490182	-0.03490182
CYBC1	0.05017074	0.05019963	0.03804182	0.02144923	0.00954878	0.03710196	0.1023872	-0.1023872

EIF4ENIF1	0.00816223	-0.01337129	0.1352076	0.0293929	0.07051242	0.05623975	0.04313635	-0.04313635
TXNL4B	-0.0187629	0.09353797	-0.00681522	-0.00497726	0.08689083	0.02305144	-0.1979428	0.1979428
ICA1L	0.02255004	-0.1728847	0.08528106	0.00943447	0.00195272	-0.00314227	0.196215	-0.196215
CENPB	0.02274919	-0.00385545	-0.06155232	-0.116739	-0.02030891	-0.0553806	0.07397822	-0.07397822
ZBTB48	0.09463205	0.08425198	-0.02864049	0.02223288	0.05005238	0.02728421	-0.103056	0.103056
EXOC3L1	0.02942829	0.1890718	0.04236124	-0.02495389	0.06762905	0.0163224	0.02044167	-0.02044167
ACOX3	0.05478246	0.00737908	-0.04545386	-0.05145292	-0.04221554	-0.0380934	-0.1079773	0.1079773
PPP2R3C	0.08511797	0.00641922	0.1532481	0.1093952	-0.01530512	0.07333899	0.08796971	-0.08796971
KAT6B	-0.04870881	-0.0720312	0.1196868	0.1271922	-0.04501564	0.1347768	0.03665261	-0.03665261
LAIR1	0.0014468	-0.00758869	0.2014591	0.08186028	0.02778782	0.01159717	0.325514	-0.325514
COL6A2	0.04009508	-0.1059813	0.1195678	0.0228834	0.01181533	0.01484952	0.6151529	-0.6151529
SPESP1	0.04506394	-0.04698951	-0.08332561	-0.0215915	-0.04768143	-0.07181536	0.06781548	-0.06781548
NSFL1C	0.03507288	0.1421644	-0.04967959	-0.06025072	-0.00268306	-0.03551199	-0.08494038	0.08494038
STC1	0.01066441	-0.00274125	0.0306581	0.0969255	0.04420311	0.0409813	0.204827	-0.204827
JPT2	-0.00283528	0.01295852	0.00792728	-0.01233412	0.0089395	-0.01269437	-0.1294131	0.1294131
LYAR	-0.1230488	0.04885367	0.07479624	-0.01067253	-0.01113569	0.04087636	-0.1636651	0.1636651
NFAM1	0.06822798	0.00512366	0.1515672	0.06185681	0.07322948	0.03097379	0.1877922	-0.1877922
ADGRB1	0.00696664	-0.1430602	0.05266659	-0.00431489	0.00590279	0.02897499	0.2538103	-0.2538103
DSN1	0.03331515	0.06911225	0.02923968	-0.01015703	0.00609201	0.05026496	-0.2586999	0.2586999
EGLN2	-0.03038675	-0.01961635	0.03551186	0.01225377	-0.00134412	0.06915681	0.1096502	-0.1096502
ATP5PO	-0.03458967	-0.01421536	0.05187834	0.02111118	-0.04304921	-0.01487132	-0.2008847	0.2008847
IL2ORA	-0.00863943	0.1059609	-0.07480151	-0.1503334	0.02577148	-0.09680711	-0.1352388	0.1352388
WNT5B	-0.06528299	-0.02298775	-0.01163909	0.05761353	-0.00201029	0.03060273	0.04107154	-0.04107154
PPM1L	-0.0121332	-0.08120332	0.1204249	0.01526844	0.01735334	-0.00540158	0.09178011	-0.09178011
CRPPA	0.04508745	-0.09417205	0.05767334	0.03149607	-0.05145591	-0.00097033	-0.03453278	0.03453278
ERAP2	-0.03074429	-0.01439555	0.118855	0.06353292	0.01791724	0.08730845	-0.00049562	0.00049562
MTHFR	0.08893013	-0.00275856	-0.06718163	0.06811059	0.04292214	0.06137607	-0.07370718	0.07370718
LDLRAD2	0.02571304	-0.1003811	0.08797277	0.07324801	0.06351986	0.03281924	0.4013199	-0.4013199
NUTM2G	0.1329446	-0.0020413	0.0723357	0.07282282	0.07308622	0.02541157	0.06548371	-0.06548371
TUBB3	-0.06834798	-0.05833215	0.01026257	0.02103215	0.00633089	0.05270479	0.1210755	-0.1210755
C1orf109	-0.05402295	0.06723543	0.05590569	0.01451482	0.00530472	0.04985302	-0.2059511	0.2059511
NUP85	-0.03453439	0.1360121	-0.02077057	-0.01386241	0.1126126	0.00799505	-0.2067511	0.2067511
TIMMDC1	-0.102784	0.05399447	-0.02599733	-0.05110785	-0.06313673	-0.04841174	-0.08626033	0.08626033
SMPX	-0.04201397	-0.1629853	0.00983661	-0.03540236	-0.01807098	-0.05012262	0.1708165	-0.1708165
FAM90A1	-0.03613268	-0.01850728	-0.013079	0.00230547	-0.02395697	0.05465118	-0.0434828	0.0434828
CP	-0.05998561	0.05861761	0.04144047	-0.06096372	0.04443554	-0.01702581	-0.04410209	0.04410209
SLC37A4	0.07550466	0.05889234	-0.08738235	-0.00682826	-0.02792761	-0.00517454	-0.1635181	0.1635181
SMYD2	0.02667377	0.06344105	0.0148352	-0.01774594	0.00648289	-0.02276687	-0.132701	0.132701
NUP42	0.03586881	0.01167157	0.07907586	0.04101589	0.053358	0.07707641	-0.1922454	0.1922454
CLHC1	0.1152692	0.0646837	0.04091391	-0.00924306	0.00999682	0.00480141	-0.08166144	0.08166144
CENPA	-0.06416432	0.07640736	-0.02724652	-0.02657419	-0.03591205	0.05611475	-0.2465423	0.2465423
KLHL25	0.00947029	-0.02137053	-0.1459961	-0.04396947	-0.0725866	0.00120465	-0.04199308	0.04199308
CHEK1	-0.08152104	0.05502546	0.02970228	-0.04929248	-0.04213139	0.03239546	-0.2626448	0.2626448
TFAP2E	-0.07524226	0.1469004	-0.08159997	-0.00329646	-0.00368768	-0.04127654	-0.1008527	0.1008527
EXOSC10	0.00725563	0.07814797	0.02411575	0.04705644	0.03719366	0.04994624	-0.189221	0.189221
TUBB4A	-0.04154495	-0.07587229	0.0325069	-0.03186485	0.0139459	0.00692636	0.1243241	-0.1243241
TMEM80	-0.01679268	-0.02914426	0.03931902	-0.03373347	-0.02750978	0.02470275	-0.00662911	0.00662911
TMEM86B	-0.04679589	-0.02601517	-0.03264816	0.00193267	-0.02703205	-0.03759529	-0.06849409	0.06849409
RPIA	0.03914611	0.1239854	0.02223126	-0.00648673	-0.01324618	-0.02523914	-0.2536215	0.2536215
GCHFR	-0.01219319	0.00586088	0.05321393	0.00636472	0.00827302	0.0605336	-0.1068786	0.1068786
3-Mar	0.05416118	0.1723408	0.01305338	-0.03665144	0.04172388	-0.01702075	-0.01522408	0.01522408
LY6E	-0.09113241	0.07014014	-0.00948939	-0.01047915	-0.00243027	0.02076133	0.06274532	-0.06274532
ECH1	-0.1238915	0.0128481	-0.01733023	0.01758743	0.0678204	-0.01401666	-0.01399903	0.01399903
KAT5	0.003016	-0.02497251	0.04684555	-0.02243584	0.02354184	0.04057352	0.06091341	-0.06091341
SETSIP	-0.09345708	-0.027799	0.06651659	-0.1347249	0.01283847	0.00919457	0.0049145	-0.0049145
JAK2	0.03656602	0.06430783	0.1320389	0.02640308	0.03177313	0.04426105	-0.06202209	0.06202209
TNFRSF13B	-0.00049837	-0.08264908	0.02414171	0.07074749	0.01387573	0.04108007	0.1899705	-0.1899705
CCDC71	-0.06958368	-0.03732699	-0.01932574	-0.05290204	0.02171067	-0.02844742	0.1261725	-0.1261725
PEX3	0.01194968	-0.04599937	0.09317675	-0.03326189	0.01416302	0.04158879	-0.1326921	0.1326921
SIT1	-0.09388534	-0.05164689	0.05621556	-0.00351854	-0.01429459	0.0423209	0.09100301	-0.09100301
KLK12	0.01864017	0.00514171	-0.103555	0.00056499	-0.04977506	-0.02743897	-0.02935518	0.02935518

PCLO	-0.06387819	0.01926879	-0.00485957	0.02096387	-0.01321284	0.0475868	0.06565575	-0.06565575
IFNG	-0.03844876	0.08023615	0.101003	-0.03635458	-0.03020948	0.07667674	-0.02905013	0.02905013
PAK4	-0.06532831	-0.08566103	0.01355585	-0.07353536	-0.03234513	0.04227343	-0.07897113	0.07897113
TNK2	-0.08927078	0.03530016	0.03122255	0.06321462	0.011919	0.02884319	0.01404848	-0.01404848
CD300E	0.0761426	0.09494364	0.01537554	0.06155369	-0.03418303	-0.00550233	0.1398152	-0.1398152
NHLRC2	0.0341919	0.03744263	0.120816	0.03471207	-0.03927877	0.07129737	-0.06144523	0.06144523
CLIC1	-0.08547892	0.1193719	-0.03287972	-0.03441721	0.00935015	-0.0539706	-0.2075452	0.2075452
EIF3F	-0.02273245	-0.08626165	0.1248835	0.02582956	0.0020485	0.1067986	0.1094453	-0.1094453
N4BP2	0.02195354	-0.02372165	0.1136904	0.06880385	-0.00480552	0.07590913	-0.09158108	0.09158108
PVR	-0.07087667	-0.09394517	0.07413759	-0.05383574	-0.01089427	0.0592384	-0.05877331	0.05877331
PLD6	0.04822527	0.07776371	0.06362427	0.01907397	-0.04332479	-0.00516412	-0.06926509	0.06926509
MTURN	0.02045343	-0.1144428	-0.01702571	0.04551941	0.00399195	-0.09152974	0.1614036	-0.1614036
GRN	0.03645388	0.06597042	0.04408982	0.00606875	0.06467555	0.03800533	0.05199127	-0.05199127
EBI3	-0.09681049	-0.0156719	0.04459488	0.00557167	-0.0223838	0.05597195	0.04133079	-0.04133079
DPH5	-0.07103982	-0.01437682	0.04506912	0.02902796	0.06689955	0.05715153	-0.1193528	0.1193528
BTN3A2	0.04916274	0.07731929	0.1341556	0.07282772	0.00513479	0.135911	0.00628532	-0.00628532
NSUN2	-0.02342379	0.1163204	0.06640437	0.0028648	0.00652371	0.06102363	-0.2076942	0.2076942
FAM120AOS	0.06753966	-0.04206619	0.08451201	0.02767555	0.01636813	0.03246973	-0.00111173	0.00111173
XPA	-0.06544579	0.00612178	0.1144811	-0.01476744	-0.03020256	-0.00026304	0.01103618	-0.01103618
PPM1N	-0.1220722	0.00993303	0.04470152	0.03553883	-0.04274998	0.1091651	-0.0115595	0.0115595
MYO1C	-0.03045585	0.05625035	0.0606947	0.05617604	-0.0397197	0.01648861	0.1822253	-0.1822253
DCAF12	-0.01377692	0.07344687	-0.07046265	-0.0456908	0.02609365	0.03398794	-0.1877992	0.1877992
ATAD3B	-0.00309756	0.1275572	-0.02745731	0.03805476	0.1279008	0.04535458	-0.2904296	0.2904296
ZNF460	0.04985881	-0.01993591	0.1210038	0.04930303	0.0016917	0.1049681	0.05699897	-0.05699897
TM4SF4	-0.01749331	-0.09827667	0.01155625	0.03718079	-0.01083097	0.05309622	-0.02368396	0.02368396
PTCRA	-0.00900516	-0.08416875	0.1192188	0.04256222	-0.00331152	0.00731054	0.1374831	-0.1374831
ZNF440	0.02639216	0.05615917	0.04018704	-0.01351623	-0.01702156	0.04297934	-0.2339188	0.2339188
CDC42	-0.08228663	0.01788814	0.03630948	0.05397888	0.01550277	-0.02189719	0.00323843	-0.00323843
ZNF777	-0.05115021	0.04983839	0.06623639	-0.09111891	0.05452421	0.02320692	-0.02318594	0.02318594
SLC31A2	-0.01821715	0.1066823	0.04722936	-0.00401602	-0.02754711	-0.05681455	0.04970271	-0.04970271
EIF4EBP3	0.03769271	-0.06178009	-0.1068445	-0.04130635	0.06009502	-0.07547669	0.1059655	-0.1059655
SLC25A24	-0.01335158	0.0639826	0.1219659	0.07722045	0.01846611	0.08350815	-0.2342645	0.2342645
PTER	-0.00105933	0.07019645	0.1362586	0.02294284	-0.01265261	0.05896033	-0.2775171	0.2775171
GAB2	0.0535871	0.03325249	0.0354975	-0.0151487	-0.02533955	0.03844458	-0.00013979	0.00013979
NXT1	0.01570298	0.08464421	0.00014911	-0.1010309	-0.03508762	-0.01085985	-0.0501358	0.0501358
SLC35B4	0.01157396	-0.0365326	0.1530087	0.1652665	0.03141593	0.08466621	0.1404582	-0.1404582
WDR3	-0.1129173	0.02626234	0.06263968	0.011394	-0.03151684	0.04972042	-0.1824185	0.1824185
MMP23B	0.02277192	-0.1548635	0.04356526	0.0185621	-0.05823951	-0.04277578	0.4831189	-0.4831189
CRADD	0.02608291	0.05129077	-0.05980881	-0.0818448	0.00067539	-0.04104359	-0.06562504	0.06562504
ZHX2	0.03109833	-0.09124669	0.1438735	0.09456444	0.04608092	0.1368152	0.1648851	-0.1648851
TGM3	0.01202102	-0.02146777	-0.1168465	-0.03433351	-0.03636885	-0.03991829	-0.08661691	0.08661691
PRDM11	0.03645897	-0.0723867	0.09876428	0.01988732	-0.05078455	0.06509703	0.1150349	-0.1150349
GNA11	-0.0805567	0.03005218	-0.00810755	-0.05147186	0.02171553	-0.01997275	-0.1369538	0.1369538
BTAF1	0.02962039	0.0727156	0.1131365	0.0394045	0.00366854	0.1094829	-0.1197374	0.1197374
CCDC136	-0.02869392	-0.1392786	0.05976411	0.0155227	0.03826102	-0.0297525	0.2241184	-0.2241184
ZNF324B	0.00446371	-0.04964199	0.02185034	-0.05559222	0.00932231	0.05502135	0.01593891	-0.01593891
TNKS1BP1	0.1087175	-0.04679641	-0.04682498	0.00174708	-0.02169028	0.01051467	0.1846143	-0.1846143
L3MBTL4	-0.07740166	-0.01190954	-0.02951026	0.07551906	-0.01495468	0.02678074	0.00973085	-0.00973085
PPP1R2B	0.01069712	-0.03522548	-0.04864725	-0.0913748	-0.00745521	-0.1011127	0.1145984	-0.1145984
SEPTIN5	-0.08168403	-0.04289598	-0.07026371	-0.03569772	-0.02171773	-0.02584602	0.2732683	-0.2732683
C3	0.00680057	-0.1310787	0.1941533	0.1033395	0.00593171	0.1077045	0.2766895	-0.2766895
TCOF1	-0.05780032	0.01406298	0.07024844	0.04378826	0.05161635	0.1252759	-0.09508112	0.09508112
TRIM22	0.01064485	-0.00598806	0.1939907	0.08840423	0.06514656	0.08744316	0.2206813	-0.2206813
TMEM26	0.1069532	-0.03609564	0.1289482	0.02419866	-0.02391859	0.01371062	0.04210161	-0.04210161
THAP6	-0.02276254	0.04563151	0.1171197	-0.00382729	-0.02365534	0.08054016	-0.02222796	0.02222796
DHCR7	0.09017347	0.1026214	-0.01355948	0.01189575	0.02801573	0.03637611	-0.190514	0.190514
DEF8	-0.046137	-0.00351725	0.1373148	0.06924331	0.05902337	0.04171291	0.05875437	-0.05875437
NUDT12	0.01853704	0.0662254	0.03415517	0.0197191	-0.097595	-0.05710344	-0.2154762	0.2154762
MYL12B	-0.1103229	0.07514639	-0.00258953	0.01853158	-0.05989625	-0.0128417	-0.06000057	0.06000057
GLIS1	0.07501515	-0.06012075	0.01742998	-0.01210937	-0.00419862	0.02451753	0.3393418	-0.3393418
RAB3A	-0.1075206	0.06702668	-0.03543679	-0.07817098	-0.02036375	-0.04461425	0.03323222	-0.03323222

GDA	0.03804318	0.1380701	0.08707817	0.03682858	0.02500213	0.1478717	-0.1466706	0.1466706
USP34	0.0490365	0.02948382	0.1058682	0.0881913	-0.00093621	0.08073819	-0.03063845	0.03063845
PLAAT4	-0.09137833	0.03187985	0.0420129	-0.1185028	0.08379014	0.04051977	0.09639204	-0.09639204
LIN54	-0.04941614	0.0208403	0.1174526	0.00259647	-0.03407189	0.06208097	-0.1877538	0.1877538
TAF1C	0.09697865	0.1286709	0.04901639	0.1115848	0.07530635	0.09216595	-0.1154611	0.1154611
RHOH	-0.07353162	-0.0571522	0.07543604	0.03903804	0.01004446	0.04250389	0.1427668	-0.1427668
IGF2BP2	0.04733424	-0.01670623	0.08953481	0.06814908	-0.00587671	0.07769353	-0.04571646	0.04571646
GABARAP	-0.07840381	-0.03776431	0.04390561	0.0352105	-0.08326873	-0.06570473	0.3188813	-0.3188813
LMCD1	0.06331196	-0.03418649	0.07916622	-0.01411859	-0.04573829	-0.00625605	0.4090406	-0.4090406
ACBD3	0.03302973	0.05985979	0.08145176	0.02749575	0.021892	0.05838315	-0.1541334	0.1541334
MZT1	0.00087539	0.06244825	0.04781794	-0.03206436	-0.04331166	0.01138009	-0.2200215	0.2200215
RELT	-0.02440172	0.09193788	0.05935073	0.01717711	-0.00039896	0.09747871	0.03175275	-0.03175275
PLA2G10	0.03492263	0.00694351	-0.05103562	0.08216237	-0.03448994	-0.02908398	-0.06789763	0.06789763
USP21	0.03580219	0.00601299	-0.06302459	-0.00065797	0.07457039	0.00033656	-0.01565163	0.01565163
MAP1LC3B	-0.07702461	0.05973412	0.2429895	0.1223087	0.08096889	0.00983795	0.1496177	-0.1496177
DCTN1	0.05939997	-0.01035842	0.02893496	0.08591641	0.03091905	0.02743128	0.09201758	-0.09201758
USF1	-0.0732849	0.06002704	0.0053577	-0.03722011	0.06739586	-0.02918923	-0.02344444	0.02344444
CLSTN2	0.00761188	0.0106424	-0.08923541	-0.08167691	-0.04189383	-0.1047186	0.1017435	-0.1017435
ZNF540	-0.02399089	-0.1465587	0.09775687	0.06452574	0.03055346	0.00332069	0.2546209	-0.2546209
CCDC93	0.06941733	0.1010723	0.07863403	0.03636915	0.02969069	0.06719306	-0.1653983	0.1653983
MINAR1	0.06836006	0.05314704	0.0534172	0.03724575	-0.02722434	0.01821064	0.00468777	-0.00468777
ERI2	0.00029444	0.081956	0.1259438	0.03380604	-0.00971171	0.08034366	-0.3147302	0.3147302
AC112229.3	-0.06146926	0.01105951	0.1559348	-0.01841328	0.03905111	-0.01948279	0.07135644	-0.07135644
TMEM160	-0.07435802	-0.01864814	-0.04211514	-0.05279524	-0.04999063	-0.03862744	0.05099478	-0.05099478
AC005041.1	0.03552028	-0.05297793	-0.09427086	0.05651866	0.00599105	0.03835389	0.1365341	-0.1365341
NDUFB5	-0.02070353	-0.02450208	0.06783255	0.0387809	-0.02136541	0.0525006	-0.1146562	0.1146562
TMEM259	0.02135299	0.05740279	0.01542672	-0.07831782	-0.03665677	0.0059819	-0.00260488	0.00260488
CALM2	0.01691823	0.1227109	0.1517303	0.1067028	0.02672898	0.04542775	-0.13063	0.13063
INTS7	0.04422683	0.03540968	0.06527423	0.02465352	0.02103163	0.07473736	-0.2352472	0.2352472
CIAPIN1	0.03714194	0.1180032	0.01933213	0.03043061	0.06176151	0.04594981	-0.2093581	0.2093581
SAFB2	0.00220566	0.03465922	0.1297878	0.00837236	0.02877755	0.09846493	-0.08696794	0.08696794
F3	-0.05304146	-0.01037507	-0.08190195	0.00864542	-0.06016004	-0.04525201	0.0476275	-0.0476275
FAM3B	0.03049505	0.02593162	-0.1573981	-0.09073123	0.0083766	-0.09752865	-0.1870754	0.1870754
ARRDC3	0.01137696	-0.08911394	0.1259621	0.1061013	0.06199056	0.03222434	0.258153	-0.258153
RPL27	-0.05607375	-0.07771546	0.07721591	-0.06686631	-0.00209722	0.05286333	0.09492638	-0.09492638
UCHL1	-0.1391282	0.01733642	-0.03930361	-0.0561983	-0.03506923	-0.03766689	0.1408432	-0.1408432
AADAC	0.04644096	-0.06663057	0.01340776	0.0392588	-0.02286115	-0.00192248	-0.04895603	0.04895603
MRPL40	-0.04759922	-0.00265274	-0.03465887	-0.0959095	0.0013021	-0.07748817	0.04620031	-0.04620031
SH3TC1	0.0894345	-0.04135229	-0.0367071	0.05887371	-0.02949711	0.07207359	0.01816584	-0.01816584
HDAC11	0.02208466	-0.00560929	-0.04901962	-0.09979112	-0.03942238	-0.04683598	0.04011319	-0.04011319
STX11	-0.00387184	0.00249347	0.1964907	0.05837405	0.01514277	0.07495456	0.1840464	-0.1840464
CPD	0.07992387	0.01588575	0.04460176	0.03012267	-0.03991956	-0.01242672	-0.1610922	0.1610922
CDV3	-0.00478389	-0.00815836	0.1737549	0.1291645	-0.01109201	0.1440237	-0.04561968	0.04561968
THRA	0.07886892	-0.00529297	-0.0108335	-0.00112651	0.01024191	0.04738351	-0.09786257	0.09786257
C2orf72	-0.00237826	0.0341	0.04146647	0.04325549	0.00252606	0.03963957	-0.2212804	0.2212804
SLC4A11	0.07624084	0.07881429	-0.01937983	-0.04994537	0.01454008	0.00855535	-0.1381486	0.1381486
BAZ2B	0.1119267	0.05804887	0.09230679	0.08163888	0.02551314	0.02658258	-0.05376407	0.05376407
MAP6D1	-0.1002499	0.00744648	0.1139894	-0.00952743	0.02275653	0.09431726	-0.02396017	0.02396017
NBPF15	0.05231059	0.03165688	0.08469555	0.08982922	0.1186194	0.09741644	0.09191968	-0.09191968
PYM1	-0.08386463	-0.00724647	0.02672732	-0.01722808	-0.02824927	0.03070857	-0.1237591	0.1237591
ZNF713	0.1619783	-0.02407061	0.04412172	-0.03605687	0.01403602	-0.00963194	0.03687027	-0.03687027
PIGK	0.03649701	0.03416497	0.1423789	0.05971713	0.02115983	0.02903863	-0.0505829	0.0505829
LAMC1	0.05743953	-0.05132338	0.06810024	0.07346066	0.00473864	0.01302965	0.2547884	-0.2547884
TULP4	0.03492036	0.05270013	0.1043975	-0.01788715	-0.00487376	0.04115185	-0.1049574	0.1049574
RNF183	0.00054561	-0.03581223	-0.07988344	-0.06382965	-0.05445128	-0.05729958	-0.1626134	0.1626134
ANKRD22	-0.07674203	0.04273049	-0.02005351	-0.1008471	0.02644062	-0.03631812	-0.1598512	0.1598512
GGT5	-0.02346588	-0.1286713	0.1141652	0.08696004	0.02134299	0.06785283	0.5550992	-0.5550992
ACTA1	0.05375985	-0.127578	0.01496751	-0.03412255	-0.04503438	-0.02823659	0.2591907	-0.2591907
OPA1	-0.00379161	0.03491997	0.1628983	0.08464365	0.00327447	0.1093649	-0.1642876	0.1642876
YWHAE	-0.03505028	0.1258393	0.01759948	0.00601891	-0.0648261	0.03548731	-0.2084027	0.2084027
ZMYM6	0.04876387	0.05351643	0.1180013	0.09065179	0.02607026	0.06015579	-0.1036551	0.1036551

RPL13	-0.06296805	-0.07438283	0.08103816	0.03523118	-0.0148651	0.06153931	0.1024867	-0.1024867
LRRC14	0.00112025	0.1373332	0.00059183	-0.02067039	0.03874801	0.05145332	-0.1395265	0.1395265
C18orf21	-0.1026311	0.06782264	0.1327754	-0.01249014	-0.04154283	0.01852298	-0.08992195	0.08992195
POLG2	0.04434926	0.06239323	-0.00468228	0.06455319	0.1138611	0.01807198	-0.1049921	0.1049921
ADNP	0.08251445	0.05281402	0.0786253	0.06010145	-0.01477091	0.08076154	-0.1603839	0.1603839
FLAD1	-0.09112568	0.00552357	-0.05049987	-0.02568991	0.04012893	0.00720298	-0.1454479	0.1454479
CIAO2A	-0.07995735	0.1448783	0.03252059	-0.01810781	-0.00018491	0.01141398	-0.3149455	0.3149455
CAMK1D	-0.02222526	-0.1087386	0.1392696	0.00217211	0.04392934	0.08879276	0.2319001	-0.2319001
JDP2	0.01370425	-0.05387965	0.02732605	-0.03662696	-0.00593661	-0.04585833	0.287638	-0.287638
KLC2	-0.1041531	0.0164547	0.01964374	-0.05194825	0.01375571	0.06298885	0.03076621	-0.03076621
RALGAPB	0.1114808	0.05646156	0.1127741	0.09543456	0.0131549	0.1236867	-0.1078553	0.1078553
SFTPA2	0.02430953	-0.08118584	0.06775933	0.06148418	0.05023662	0.08401613	-0.0670212	0.0670212
THAP10	-0.03070882	0.00559077	-0.08006709	-0.05833605	-0.03293456	-0.04788717	-0.090797	0.090797
CRYZ	0.0161344	0.01492532	0.05791121	0.1080695	0.03975515	0.07446706	-0.1141902	0.1141902
EXOC7	0.1125222	-0.01199263	0.00424395	0.01423038	0.05061834	0.01368203	0.107322	-0.107322
DHRS2	0.05829484	0.0172014	-0.03609994	-0.0772973	-0.01553047	0.04261326	-0.01044618	0.01044618
BPNT1	-0.04378142	0.1535703	-0.01007771	-0.01343199	0.03097064	-0.05352522	-0.336225	0.336225
ANKRD11	0.05826652	0.03576985	0.1660255	0.1007823	0.1063954	0.1005008	0.01228138	-0.01228138
SERTAD4	0.00772734	-0.162389	0.03025674	-0.02418663	0.07879331	-0.00893988	0.2061161	-0.2061161
TCHP	-0.0452341	0.04314782	0.03281199	-0.06106523	0.03308387	0.06066866	-0.0969693	0.0969693
WWC3	0.02478717	-0.1009742	0.1590164	0.00757493	0.0886113	0.05880593	0.3779487	-0.3779487
TCTEX1D2	-0.02267187	-0.01801577	-0.00777247	-0.02413172	0.02893781	0.00240556	0.01166037	-0.01166037
HOXB13	-0.00282242	0.1997201	-0.1403016	0.02343512	0.07605566	-0.00175759	-0.2302968	0.2302968
RNF181	-0.07123425	0.00148469	-0.05910005	-0.03626491	-0.01511995	0.02275632	0.07734752	-0.07734752
MLLT10	0.0595002	0.05141464	0.137855	0.0686002	-0.00137338	0.09307645	-0.06368378	0.06368378
CACNA1H	-0.01755591	-0.1340658	0.1114606	0.03091398	-0.01221337	0.01600177	0.3812014	-0.3812014
FMR1	0.08287532	0.05608675	0.1257127	0.02170776	0.00308675	0.09013472	-0.1223674	0.1223674
TTLL3	0.08000574	0.03383712	0.01788201	0.02844773	0.05701747	0.05954029	0.07265752	-0.07265752
HEPH	-0.06625413	0.09384466	0.04643262	-0.01955082	-0.00275946	-0.01396102	-0.07343625	0.07343625
PCBD2	0.084886	-0.01273014	0.09179928	0.09444309	0.04051017	0.1137698	-0.01803398	0.01803398
SLC39A13	0.07445811	-0.03569518	0.05133319	0.0148282	-0.04038527	0.05042326	0.4501549	-0.4501549
NUDT1	-0.01418102	0.02756085	0.03382431	-0.05636019	0.00410364	0.06837864	-0.124083	0.124083
ISY1	0.01816395	0.03926682	0.07929615	-0.00962463	-0.05882641	0.02619052	-0.07001377	0.07001377
TPM4	0.02090846	0.09974902	0.1455892	0.01989384	0.04991658	-0.00263991	0.2484669	-0.2484669
MPZL2	-0.03785723	0.04573263	-0.07087751	-0.02183389	-0.03083258	-0.0148977	-0.2277462	0.2277462
SPATA18	-0.00281946	0.04645555	-0.06158926	-0.02006687	0.01552481	-0.06158365	-0.00512948	0.00512948
ECSIT	-0.0282209	-0.03979718	-0.02959432	-0.118637	-0.05002691	-0.05049524	-0.07282771	0.07282771
SDE2	-0.01848364	0.01046368	0.1761305	0.00785708	0.03621635	0.08082306	-0.09021823	0.09021823
MCTP2	0.08164011	0.07765785	0.01136968	0.08582748	-0.0084727	0.0507611	-0.1080025	0.1080025
COPZ2	-0.05504709	-0.1539108	0.1278125	0.02217364	-0.01326195	-0.020891	0.6437088	-0.6437088
LY6G6C	-0.07812965	0.0143138	-0.03221711	-0.06175594	0.00774751	0.027687	-0.08565368	0.08565368
NEURL4	0.00053037	0.08890873	0.06991041	0.04938334	0.0021561	0.08515091	-0.02111306	0.02111306
AURKAIP1	-0.08670265	0.00520968	-0.09616248	-0.051358	0.00084256	-0.00648348	-0.1284713	0.1284713
FAM160A2	0.03304144	0.1614488	0.1281254	0.1125372	0.0374999	0.1585946	-0.1851462	0.1851462
GRHL1	0.03714785	0.02404902	-0.1473348	-0.05842808	-0.02691659	-0.09092583	-0.1414916	0.1414916
CDC6	0.02763638	0.0176152	-0.00289004	0.04963714	0.06903674	0.08686505	-0.1156001	0.1156001
NRBP1	0.0250503	0.00312771	0.01273542	-0.00485387	0.00627472	-0.00357666	0.04118476	-0.04118476
WDR19	0.01782479	0.0041558	0.1247585	0.03430788	-0.04291894	0.05408143	0.09388528	-0.09388528
SIK1	-0.00571906	0.00796618	0.02491262	0.05235914	0.00449461	0.09210185	0.04304566	-0.04304566
MSMB	0.04305664	-0.1328881	-0.06379965	-0.01389838	-0.0167353	-0.0247632	-0.1213513	0.1213513
ALDH3A2	0.00233671	0.04257831	-0.06121817	-0.04915884	-0.06033605	-0.07147309	-0.2013793	0.2013793
SFTPD	0.06428241	0.00974769	-0.05985589	0.03253576	-0.02959256	-0.01107746	0.07811575	-0.07811575
B3GNT6	0.02473599	0.04507992	0.02186325	0.08922733	-0.04841339	0.04279629	0.04929012	-0.04929012
VTI1A	0.07391872	0.00722079	0.03149636	-0.04438326	0.00763062	0.05861764	-0.1380061	0.1380061
PLA1A	0.06463595	-0.05551706	0.1324446	-0.00658443	0.01972792	0.04184371	0.1108428	-0.1108428
ZSCAN21	-0.00063788	-0.01635954	-0.01518298	0.00210772	-0.02512959	-0.01062826	0.00693537	-0.00693537
CD33	-0.0642486	-0.00578702	0.05812357	0.00216687	-0.00777435	0.02658003	0.04219225	-0.04219225
EXOSC9	-0.0912074	0.1211978	0.04077771	0.0206252	-0.0030953	0.01891234	-0.2092404	0.2092404
THYN1	-0.01675076	-0.1038637	0.132487	-0.01398677	-0.02431116	0.01360556	0.08217536	-0.08217536
GEMIN5	-0.09113845	-0.01729509	0.1198303	0.1428028	0.08397141	0.1570967	-0.08098361	0.08098361
ZNF266	0.06729557	0.062152	0.1045056	-0.02120259	-0.00819122	0.02355192	-0.1272205	0.1272205

MGAM2	0.1490791	0.1096639	-0.01796433	-0.04120301	0.07730821	-0.01563178	-0.2038504	0.2038504
DZIP1L	0.08314041	-0.009107	0.1229188	0.115929	0.01594748	0.09063139	0.02918779	-0.02918779
SLC25A42	-0.02661623	-0.09335904	0.07997385	0.00153826	0.03831338	0.04270064	0.104956	-0.104956
SCML4	0.00202656	-0.02437417	0.1444133	0.0556982	0.03566003	0.09832861	0.07743875	-0.07743875
COL16A1	0.08343992	-0.06032752	0.03587969	0.01716117	-0.05641962	0.01008041	0.4409919	-0.4409919
NOD2	0.06278054	0.09664496	-0.03726853	-0.04901979	0.03460958	-0.0120318	0.01399159	-0.01399159
SHLD1	0.0124055	0.05140872	-0.03742717	-0.1115666	-0.04232251	-0.09658482	-0.06798567	0.06798567
RPS8	-0.07547677	-0.01890833	0.05823778	0.0226028	-0.0915723	0.04406995	0.00510188	-0.00510188
ARRDC1	-0.01658244	0.175749	-0.00837912	-0.08901935	-0.01973983	-0.003741	-0.1508891	0.1508891
KIAA1109	0.06182715	0.03454892	0.1461583	0.08161805	0.02905564	0.1034012	-0.00339636	0.00339636
ADAM22	-0.06199937	-0.0104704	0.04365217	0.04538722	-0.03973011	0.05054575	0.1425571	-0.1425571
VPS33A	-0.00311574	-0.07630256	0.1293519	-0.00564877	-0.0288282	0.08689596	-0.1012359	0.1012359
ATP5F1A	-0.06029096	0.1244084	0.1270246	0.03742412	-0.03554461	0.02295129	-0.2798686	0.2798686
CCDC89	0.03015846	-0.1517958	0.05904342	0.00667588	-0.02797231	-0.04182098	0.2461073	-0.2461073
DICER1	0.01915328	0.04814024	0.1249486	0.1156075	-0.02417728	0.1161435	-0.1110609	0.1110609
RNF215	-0.00148454	0.03406046	0.04921804	-0.00500259	0.02373707	0.0356641	0.1825458	-0.1825458
SH3BGR	-0.07218974	-0.1399208	0.07466059	0.01630658	-0.01311305	-0.03614635	0.2540919	-0.2540919
RPS15A	-0.03387567	-0.02963745	0.1351465	0.09670051	-0.04358003	0.1160621	-0.03757849	0.03757849
CHD8	0.03943462	0.0142479	0.1083812	0.09146312	0.03742279	0.158082	-0.05640002	0.05640002
CCDC24	0.04026705	0.00635195	-0.1613376	0.02169548	0.00248092	-0.02532971	-0.1274581	0.1274581
IFI44	0.0128089	0.101248	0.1637001	0.05116022	0.01661857	0.04408243	0.03619762	-0.03619762
GADD45GIP1	-0.058988	0.05575904	-0.00988577	-0.07235918	-0.01513843	0.00367258	0.04575634	-0.04575634
CLIC6	-0.00930758	-0.07318539	-0.09624628	-0.03170081	-0.00356937	-0.01139576	-0.051784	0.051784
CAMK1G	0.02631332	-0.04641379	0.0482718	0.0298889	0.02515515	-0.01492381	0.2684673	-0.2684673
CETN3	-0.08322465	0.07121594	0.09440066	0.03542183	-0.05455179	0.0134918	0.0281163	-0.0281163
LOXL3	0.05672055	0.01837564	0.07553631	-0.00012485	-0.00336927	-0.01025764	0.3043841	-0.3043841
FAM229A	0.07509502	0.03605666	0.07321104	0.06712877	0.01860597	0.00083552	-0.02575	0.02575
PNMT	0.08725984	-0.03967515	0.01019072	-0.00129859	0.01851022	0.05668372	-0.05787194	0.05787194
TUSC2	-0.05438541	0.00673556	-0.0833196	-0.08870134	-0.04131437	-0.04789814	-0.07147587	0.07147587
TPP1	0.07851732	0.00611595	0.2212377	0.1079354	0.03011073	0.1367513	0.1743917	-0.1743917
PIP4P1	0.01677377	0.1561253	0.03483986	-0.06444189	0.06641823	0.07840582	-0.0431318	0.0431318
WDR45	-0.01318065	0.08744628	0.00464576	-0.1038133	-0.02505581	-0.0122187	0.06714478	-0.06714478
CXCL14	0.02369971	-0.04453173	-0.06267818	0.06725466	-0.08682887	-0.01787479	-0.1220766	0.1220766
MBD6	0.03147823	0.0693151	0.03191176	0.05590792	-0.04894585	0.06403533	-0.01043318	0.01043318
EMC9	-0.02916481	0.04038646	-0.04969068	-0.01247625	-0.01525445	0.07061562	-0.07118634	0.07118634
ENTPD4	-0.02211235	0.07926979	-0.0085826	0.0124858	-0.06650421	-0.01794445	-0.08766808	0.08766808
CCT5	-0.05423805	0.1112458	0.0300349	-0.000956	-0.01561055	0.03592319	-0.2257343	0.2257343
PCDHGB7	-0.01799911	-0.1301565	0.105984	0.01455123	0.04371255	-0.02723449	0.4939562	-0.4939562
SPNS2	0.0550533	0.02022888	-0.1129215	-0.1622687	-0.05624511	-0.1034734	-0.01797015	0.01797015
CLECL1	-0.07006215	-0.09482073	0.07082009	0.05712408	-0.00158155	0.04958865	0.1291838	-0.1291838
BBX	-0.01180736	-0.02770545	0.2188485	0.0980574	0.03651744	0.1226209	0.133288	-0.133288
NME2	-0.06069794	-0.00881172	0.1429438	0.00345207	0.05031638	0.1058888	-0.01328101	0.01328101
SCAF11	0.01676494	0.03565285	0.1601259	0.1110005	0.00173244	0.1691906	-0.09555371	0.09555371
FANCG	-0.0690401	0.07553816	-0.03726483	-0.07725136	0.08124279	0.0694321	-0.1802193	0.1802193
UGGT2	0.06924571	0.1011576	0.1181097	0.116274	0.01371888	0.08808556	-0.06631772	0.06631772
GSC	-0.05958029	-0.03412006	-0.04792602	0.05327379	0.05404396	0.1198724	0.01694315	-0.01694315
CCDC47	0.03024441	0.06587948	-0.0140015	0.00494398	-0.01021458	-0.02906175	-0.2979251	0.2979251
CCL8	-0.02948203	0.08091687	0.0650812	-0.0154021	-0.02000521	-0.04238436	0.09346589	-0.09346589
RELCH	-0.04935581	0.126607	0.0898438	0.03875802	0.01256501	0.04056486	-0.3022633	0.3022633
KCNIP2	-0.05700957	0.00542043	0.05890784	0.122483	-0.00406999	0.07306238	0.1094613	-0.1094613
INPP5E	-0.01746496	0.05552023	0.06777243	-0.01863303	0.01684348	0.08851012	0.01014165	-0.01014165
CAPRN1	-0.00982971	0.08722322	0.1409648	0.03142662	-0.01277056	0.06799245	-0.1639921	0.1639921
CD8B2	0.03617175	0.06210967	-0.05748045	-0.0833449	0.02357964	-0.06380998	-0.04769269	0.04769269
KLHDC9	-0.1048905	-0.07194022	-0.03514882	-0.08031527	0.04116606	-0.0295525	0.02191127	-0.02191127
IFT74	0.05282812	-0.02306479	0.0914614	0.01177695	-0.06328433	0.01494174	-0.00757098	0.00757098
ERVK3-1	0.06841593	0.1457401	0.08331232	0.06054001	0.01826474	0.05997973	-0.09580646	0.09580646
COX5B	-0.08690269	0.08685656	-0.0941697	-0.07900117	-0.06994138	-0.07106512	-0.1738314	0.1738314
ZFP82	-0.05560457	-0.08472406	0.07884993	0.0758528	0.06544847	0.02909745	0.2016435	-0.2016435
PLXNC1	0.0084871	-0.00236305	0.2356416	0.1201988	0.03991716	0.07585806	0.3264112	-0.3264112
NUP133	0.00771097	-0.01509269	0.1084582	0.04201637	0.01374492	0.07733033	-0.1547726	0.1547726
RFC5	-0.02600408	0.0408871	0.03069622	-0.01850403	0.01747812	0.07232512	-0.1555465	0.1555465

SNRPD2	-0.1185436	0.01879664	0.02454648	0.01476367	-0.00098855	0.07798169	-0.03840832	0.03840832
LCAT	0.08412925	0.05356473	0.01043851	0.04479069	0.160317	-0.00791733	0.2200835	-0.2200835
GALNT12	0.1114697	-0.02432054	0.03594361	0.03182495	0.03695871	-0.01994007	-0.08996844	0.08996844
SART1	-0.00224089	0.07732774	0.07084585	-0.00660469	0.06373171	0.08537684	0.02923184	-0.02923184
FDX2	0.00614638	-0.04596736	-0.01656507	-0.1011557	0.01890753	-0.01783971	0.05122393	-0.05122393
HNRNPA2B1	-0.001946	0.0813151	0.1064215	0.02055335	0.02792646	0.1058387	-0.2977403	0.2977403
ASB8	0.02197983	-0.09446992	0.1044205	0.02413621	0.00033334	0.09220218	0.03261349	-0.03261349
TNFRSF10C	-0.03615577	-0.03216409	-0.04819905	-0.00329342	0.02991048	-0.07251753	0.09947109	-0.09947109
CENPF	0.01170916	0.01565594	0.07550049	0.02786155	-0.00657234	0.1017705	-0.2347962	0.2347962
SEPTIN1	-0.09418611	-0.04274401	0.06033665	0.02207997	-0.00961566	0.05368133	0.09527112	-0.09527112
RPS14	-0.06411408	-0.0231195	0.05721634	0.03238949	-0.05077335	0.09551734	-0.01240929	0.01240929
NFIX	0.03605506	-0.1301244	-0.01000306	-0.06823311	0.01071993	-0.06649704	0.2796459	-0.2796459
DMTN	-0.00363146	-0.0468054	-0.02902766	-0.05645224	-0.05182196	-0.01847616	-0.07139546	0.07139546
BAG1	0.00714394	0.09761391	-0.07464709	-0.04038871	-0.03166953	0.05219835	-0.2101327	0.2101327
TJAP1	0.05541562	0.1266571	-0.02581905	-0.03113501	-0.01262947	-0.01269913	-0.05018669	0.05018669
RETN	0.06803836	0.06703958	0.08577932	-0.02932925	-0.00548818	-0.06548252	0.2373019	-0.2373019
SEMA4B	-0.02866348	0.09661422	-0.01589018	-0.00260247	0.06629197	0.0623336	-0.1100749	0.1100749
TMEM170B	-0.01341583	-0.09910012	0.07720726	0.03685826	-0.02878012	-0.04061185	0.1432951	-0.1432951
NAA30	-0.02204345	-0.00921574	0.1117343	0.05676645	-0.03668678	0.1335199	-0.1152492	0.1152492
ENKD1	0.06655279	0.1031537	0.06799713	-0.00872981	0.00197924	-0.00060823	-0.01720914	0.01720914
CHRD12	-0.00897311	-0.04910577	0.1322599	0.0515289	0.07119439	-0.03784056	0.4122755	-0.4122755
GABPA	-0.00788918	-0.03228755	0.1861457	0.08294908	0.03325644	0.08135303	0.02167163	-0.02167163
ADCY4	0.0630071	0.00204221	0.1426541	0.09667916	0.1182426	0.04637151	0.3449121	-0.3449121
NFYB	-0.0233349	-0.1050169	0.2384522	0.1030692	-0.00789846	0.1117439	0.2286704	-0.2286704
PCDHGB5	0.02070023	-0.02984656	0.02017367	0.00443717	0.04687535	0.00857244	0.1316745	-0.1316745
CLASP2	-0.01086731	-0.01650396	0.1221675	0.05231374	-0.02002209	0.0521443	0.0165423	-0.0165423
MRGPRF	-0.01839368	-0.1608418	0.1070018	0.02893184	0.01677922	-0.03774876	0.4273733	-0.4273733
FXR2	-0.02989022	0.06385959	-0.01288276	-0.03318648	0.01537418	0.00735182	0.04626749	-0.04626749
LPCAT4	0.0363548	0.07799851	0.0155604	0.02596582	-0.0532458	0.06947934	-0.2719691	0.2719691
ULK3	0.1339651	0.08701053	-0.1546536	-0.1342306	-0.00318189	-0.09847886	-0.1674407	0.1674407
ICE2	0.05756472	0.03102575	0.1374879	0.05195138	0.02642498	0.09400433	-0.1026308	0.1026308
DACT3	-0.04979336	-0.1610222	0.1174655	0.01653817	-0.00081725	-0.01231941	0.4426872	-0.4426872
HEPACAM2	0.08645001	-0.0574533	-0.0662141	0.06097553	0.0145182	-0.115588	0.07963163	-0.07963163
ALKBH3	-0.02514966	0.04852718	0.04033421	-0.03234976	0.08801974	-0.02150268	-0.00383925	0.00383925
CALHM6	-0.02131165	0.0373324	0.1551524	0.02609339	-0.04864876	0.03628739	0.00331847	-0.00331847
GID8	0.01896437	0.05471872	0.05173641	0.04239118	-0.03272444	0.05712728	-0.1777516	0.1777516
JUP	0.0717655	0.0523353	-0.01195696	0.03397547	0.02655718	0.09397708	-0.1379293	0.1379293
UAP1	-0.06554588	0.06342855	0.02070395	0.04581134	0.02092919	-0.09411729	-0.2215724	0.2215724
AP5B1	-0.01840413	0.04263264	0.06320029	-0.02477682	-0.03293578	0.05717562	-0.00913369	0.00913369
DCTPP1	-0.03033176	0.07718271	-0.07913634	-0.02834696	0.06379915	-0.04316811	-0.1554954	0.1554954
PURB	0.08290706	-0.02363224	0.1137099	0.06286192	0.02451945	0.05117612	-0.06170752	0.06170752
POLA2	-0.06465048	0.07027247	-0.03235876	-0.03806123	0.01785652	0.03815269	-0.2122854	0.2122854
RNF220	0.04273004	0.0811298	-0.04338355	-0.08214483	-0.046175	-0.00782751	-0.08469815	0.08469815
CDKN1A	0.0117238	-0.00295675	0.00496148	0.02480619	0.00663881	0.04537519	0.1129471	-0.1129471
VAMP8	-0.03639068	0.06192347	-0.0607714	-0.06203403	-0.07515614	-0.02170425	-0.158809	0.158809
KCNJ3	-0.04029698	0.04132138	-0.09198166	-0.0561743	0.00715629	-0.09810247	-0.101769	0.101769
NRDC	-0.03410798	0.09368494	0.0704909	0.08053646	0.02686528	0.07980605	-0.130678	0.130678
COPS7A	0.07776212	-0.03172211	0.01278325	-0.03638444	-0.04169555	-0.00331605	0.1315522	-0.1315522
ACAD9	0.05867411	0.02135926	0.04163769	0.05598865	0.03803152	0.08616766	-0.09619544	0.09619544
NDUFS8	-0.08800088	0.0524009	-0.05091872	-0.06702279	-0.02573678	0.0289474	0.08663503	-0.08663503
TBC1D19	-0.0096024	-0.1070183	0.06988236	0.02939419	0.01624485	-0.03286885	0.3696022	-0.3696022
ARHGFE28	0.1505102	-0.01724399	-0.04557669	0.05249646	-0.04600486	0.02026071	-0.02313557	0.02313557
RPL3	-0.03940256	0.00330624	0.04132406	-0.01165737	-0.03534637	0.03202722	-0.00300064	0.00300064
C12orf76	0.01725071	-0.03033626	0.08802479	1.90E-05	-0.01302209	0.02558958	0.07739532	-0.07739532
MZB1	-0.01822691	0.04998573	0.0831705	0.09169726	0.02214017	0.1461301	0.06107987	-0.06107987
SLC2A4	-0.0356237	-0.1277644	0.06725203	0.02290704	0.00907138	-0.01969583	0.2698851	-0.2698851
ATP13A1	0.06409928	0.1346335	0.03624415	0.00650016	0.02958271	0.0726522	-0.1779903	0.1779903
KIAA1211	0.02808803	-0.02625402	0.02714399	-0.00542498	0.07416736	0.05041166	-0.05071497	0.05071497
PRMT7	0.06415078	0.07889017	0.04272026	0.02055579	0.0610323	0.03366599	-0.1104359	0.1104359
RPP25	-0.00578583	0.00664039	-0.04490065	-0.1088151	0.00553596	0.00463555	-0.09414593	0.09414593
TMSB4Y	0.3252845	-0.09934688	-0.05744168	-0.01627042	0.03395635	-0.06060271	-0.07552611	0.07552611

CORO6	-0.07133919	-0.1081094	0.06063234	0.00611008	0.01537729	0.01880315	0.2467514	-0.2467514
RAB40B	0.02232222	0.07154919	-0.03862999	-0.06222817	0.02175063	-0.08512876	-0.1474661	0.1474661
TMEM216	0.03121285	0.04528795	-0.02929396	0.00499752	0.04694562	0.0543214	-0.04428025	0.04428025
PAFAH1B3	-0.1073031	0.07576146	-0.07148112	-0.08880875	-0.02394073	-0.02933649	-0.1486226	0.1486226
FUBP3	-0.06769598	0.04249014	0.09567006	0.02080893	0.00949195	0.06735116	-0.03472291	0.03472291
MAL	0.05266682	-0.02478835	-0.1838654	-0.07212472	-0.02414889	-0.08603564	-0.09270865	0.09270865
ANGPTL4	-0.07795787	0.00736154	-0.07535665	0.03732341	0.02922776	-0.02631748	0.1689136	-0.1689136
DRG2	-0.00902506	0.04869043	0.01289046	-0.01072044	0.01452809	-0.00920938	0.03144557	-0.03144557
PLXNA4	0.00553732	-0.06164903	0.09798107	0.01417053	-0.04436805	-0.00932308	0.4192207	-0.4192207
SLC25A46	0.01542675	0.04598651	0.1275548	0.07132014	-0.00431779	0.08661271	-0.06034826	0.06034826
MCOLN3	-0.04650289	0.0473945	-0.04190017	-0.01287841	-0.08380985	-0.00702629	-0.01366434	0.01366434
INCENP	-0.05350752	0.09842918	0.00578844	-0.03754682	-0.00854108	0.05868235	-0.1972976	0.1972976
PDLIM5	-0.01496407	-0.02842381	0.1545115	0.08826722	0.05688303	0.08377018	0.2035009	-0.2035009
CHST2	-0.04011275	0.00019503	0.03994906	0.03676367	-0.01249934	0.08385043	0.0316757	-0.0316757
ZNF506	0.04964442	0.02609207	0.1410096	0.03531843	0.01422859	0.04272314	0.02849853	-0.02849853
ZNF517	0.01137852	-0.0068805	0.00563797	-0.01329132	0.03355142	0.01535292	0.02487875	-0.02487875
FKBP4	-0.1636197	0.04286822	0.00929472	-0.03260944	-0.06400759	0.04403134	-0.0650836	0.0650836
KLRB1	-0.01656767	-0.1106153	0.1156553	0.00164709	-0.0356849	0.01218227	0.1417508	-0.1417508
KBTBD6	-0.02762641	0.01403787	0.129584	0.0692096	0.01085083	0.08636779	-0.07664274	0.07664274
RAF1	-0.02105252	0.01210885	0.03797695	0.01797285	-0.00272122	0.02788823	-0.0606501	0.0606501
CDNF	0.04332711	-0.05065354	0.03069624	0.02761399	0.105466	0.05472039	-0.0817582	0.0817582
RBIS	-0.07719191	0.05919134	-0.00830028	-0.05460362	-0.02855294	0.00314954	-0.1083147	0.1083147
KCNRG	0.01459427	0.1514385	0.04430878	-0.00829351	-0.02425763	-0.0154604	-0.1146249	0.1146249
KCNJ14	0.05518445	-0.03033853	0.05280105	0.01402203	0.0283121	0.04538141	-0.1134159	0.1134159
TICAM1	-0.03951291	0.1376822	-0.1199457	-0.132547	-0.0058819	-0.08717886	-0.04931812	0.04931812
MTRR	-0.03501546	0.0552846	0.05337384	-0.01780905	0.01787744	0.05157814	-0.08451964	0.08451964
TTC21A	0.06212062	-0.00092168	0.0313918	0.08362651	0.06475749	0.04718747	0.1277169	-0.1277169
GLYR1	0.03275324	-0.06750675	0.06751998	0.08280567	0.05513069	0.08534321	0.06430479	-0.06430479
GOLGB1	0.08603943	0.08039664	0.1406282	0.0800583	-0.01278705	0.1224061	-0.1084612	0.1084612
HES2	0.04725121	-0.00864179	-0.04341744	-0.0434827	0.00205558	0.00680337	-0.02197695	0.02197695
FNBP1	-0.0481687	-0.1813029	0.09123258	0.09464982	0.01320481	0.05522459	0.3114451	-0.3114451
EMILIN2	-0.01151447	0.04188126	0.05253133	0.04706119	0.00625545	0.01795081	0.05114421	-0.05114421
CAPN12	-0.01856408	0.07027789	-0.07686638	-0.02283428	0.02739725	-0.07286873	-0.0851872	0.0851872
AAR2	0.04526542	-0.01009274	0.02168132	0.01994055	-0.01512045	0.05545032	0.02384722	-0.02384722
ZFX	-0.3520737	0.00216213	0.1636378	0.03610511	-0.00431441	0.1365376	0.0525838	-0.0525838
FABP3	-0.07499108	-0.07341564	0.04391713	-0.00628264	0.05362865	0.02922768	0.08471967	-0.08471967
SRPRB	0.00735765	0.07236736	0.05338588	0.05233273	-0.09301422	0.07138336	-0.2074587	0.2074587
DHX30	-0.04496658	-0.0010799	0.05870233	-0.01509801	0.01446005	0.06854609	-0.1020317	0.1020317
TUT4	-0.06747962	-0.0283807	0.07030005	0.0745757	0.02618858	0.05738067	0.05862945	-0.05862945
LILRB1	0.01291275	-0.02649848	0.19202	0.109447	0.03034026	0.08878938	0.2448643	-0.2448643
ACTN4	-0.00896117	-0.01562772	-0.0013508	0.0183131	0.06140765	0.0786158	0.05087984	-0.05087984
CTXN1	-0.07746365	-0.02444385	0.01799907	-0.04379085	0.0026577	0.00511202	0.2289767	-0.2289767
FGD2	0.03292921	-0.04643687	0.113436	0.08346015	0.04283228	0.07499247	0.2078506	-0.2078506
MVK	0.09250657	0.01948849	-0.1219752	-0.09907775	-0.0007874	-0.03551915	-0.1994318	0.1994318
DOCK2	-0.0439403	-0.00819309	0.1384677	0.07886616	0.03171423	0.09499764	0.1178243	-0.1178243
TBC1D8	0.09977056	0.1442807	0.02489992	-0.031514	0.06402386	0.02562348	-0.04921658	0.04921658
COX10	-0.03765294	0.03867907	0.00782665	-0.04355872	-0.00554867	-0.01007163	-0.1957965	0.1957965
ZNF284	-0.07591857	-0.1032956	0.09302829	-0.05292525	-0.00792734	0.04338043	-0.02239303	0.02239303
PEBP1	-0.05259548	-0.03431562	0.00550944	-0.04931752	-0.03058648	-0.0496595	-0.1368652	0.1368652
MAMDC2	-0.01742155	-0.1488772	0.07322222	0.03346442	0.05679847	-0.0795556	0.3182159	-0.3182159
EPHX2	0.00978325	0.0027904	-0.1085679	-0.05342698	-0.08538129	-0.0905429	-0.2075675	0.2075675
PRR19	-0.00208217	0.0025408	-0.05501	-0.02669593	0.0164002	0.09470156	-0.07575467	0.07575467
MFSD13A	-0.04410511	0.05037722	0.00386515	-0.08095057	0.03565133	0.004156	-0.03436955	0.03436955
GFRA1	-0.04585034	-0.1300398	0.05357585	0.04405107	0.02556773	-0.04335706	0.2355277	-0.2355277
COA7	-0.07776859	0.07541295	0.09983209	-0.0265235	0.00346417	0.0900565	-0.2485302	0.2485302
SPIRE2	0.01403423	0.1419285	-0.01722843	-0.03911832	0.02458595	-0.06028821	-0.293453	0.293453
FASTKD3	-0.02448956	0.1046229	0.04118658	0.00904453	-0.03223291	0.06624931	-0.2385983	0.2385983
C4orf36	0.05279827	-0.07864483	0.1081169	0.1190171	0.04930614	0.06433556	0.05176663	-0.05176663
STX18	-0.01285438	0.07075397	-0.03353607	-0.09805475	-0.05449022	-0.06977008	-0.2022493	0.2022493
GPR19	0.07519286	0.02858947	-0.0354939	-0.06497641	0.04935557	-0.06561253	-0.09812623	0.09812623
H2AFY	0.04326787	0.1115847	-0.02689607	-0.00939719	-0.06281765	0.06038169	-0.1881623	0.1881623

ZNF774	0.04620449	0.02209607	-0.01659876	-0.00129191	0.02810104	0.06463633	-0.1070963	0.1070963
ZNF354C	-0.00073184	-0.1545388	0.1346874	0.09049476	0.09653118	0.04541938	0.284492	-0.284492
TFG	0.01437431	0.07140453	0.00895376	0.03192676	0.02774166	0.06617522	-0.1799879	0.1799879
NAP1L2	-0.06364507	-0.1878123	0.1155343	0.04825683	0.04735353	0.03237203	0.3186484	-0.3186484
SLC1A7	-0.00721974	-0.00140432	0.03730799	0.1492359	-0.01197342	0.00782173	0.06165894	-0.06165894
MT-CO3	0.04121139	-0.02603101	-0.05405928	-0.08862697	0.01382143	-0.06918347	-0.04492216	0.04492216
CSTF1	-0.00225277	0.00780827	-0.06226496	-0.00979011	-0.00799058	0.04331604	-0.1879106	0.1879106
TGFB11I	-0.02660161	-0.1514387	0.09954332	0.02434035	0.02488703	-0.01698883	0.5043961	-0.5043961
ABI3BP	-0.0348126	-0.1384472	0.1126251	0.02141413	0.01718266	-0.03477407	0.3491009	-0.3491009
IL1RN	0.01369058	-0.038736	-0.1591801	-0.06226066	-0.03602058	-0.0537201	-0.09858514	0.09858514
HDDC3	0.03462928	0.03686465	-0.1162294	-0.02162535	0.05545705	0.05243914	-0.1348128	0.1348128
HECTD4	0.08650231	-0.09633882	0.06013226	0.00611119	-0.00050675	0.05410034	0.0065315	-0.0065315
SYT7	0.1261409	-0.00277906	-0.06944658	-0.08703868	-0.00851821	0.00152998	0.04039574	-0.04039574
RUBCNL	-0.00883752	-0.01453762	-0.02192343	-0.02670816	0.01570571	-0.00657427	0.1149317	-0.1149317
PSMD1	-0.01734105	0.04506108	0.1159889	0.05871823	0.00537426	0.105984	-0.2008783	0.2008783
CDK12	0.07498281	0.03513855	0.05313923	-0.03890601	0.04017646	0.03379566	-0.00218756	0.00218756
NAPRT	-0.03546877	0.1408552	-0.1152133	-0.02713792	-0.04835767	-0.03348415	-0.1455507	0.1455507
EPDR1	-0.04212514	-0.04444062	0.06653385	-0.07703729	0.00431466	-0.04648429	0.235718	-0.235718
PARP14	0.01397841	0.1565539	0.1694165	0.06094147	0.03306757	0.1314061	-0.07948579	0.07948579
PRKAR1B	0.03066164	0.00433816	0.00354238	-0.01514181	0.00651332	0.05942704	-0.07172588	0.07172588
MBNL1	-0.0403093	-0.1187534	0.2693413	0.1202045	0.00977996	0.1040854	0.2159504	-0.2159504
MANBAL	0.03981886	0.02685959	-0.05470212	-0.02563793	-0.00490929	0.00707299	0.03849337	-0.03849337
FAM72A	-0.0463042	0.06205232	0.06814567	-0.04062294	0.00380549	0.0376465	-0.1906219	0.1906219
OSBPL2	0.00350285	0.108112	0.07895234	0.04413073	-0.00305944	0.05162477	-0.1704783	0.1704783
MOXD1	-0.05041255	-0.06123534	0.06320736	0.07052502	-0.00110803	0.03620243	0.3690476	-0.3690476
VAT1	-0.00491297	-0.02495499	0.05533989	-0.02577485	0.06345374	0.00371505	0.242708	-0.242708
CSF3R	0.04840203	0.08403472	0.04000879	0.00569407	-0.03856038	-0.04959815	0.1519556	-0.1519556
AKR7A3	-0.00328629	-0.08324491	-0.1562094	-0.02473554	-0.05820198	-0.04834342	-0.1970386	0.1970386
HSPBP1	-0.05102309	0.05013771	-0.08703821	-0.04065977	-0.01112894	-0.03395015	-0.0769367	0.0769367
LYRM2	-0.00944269	0.03757565	0.08385009	0.07364521	0.00692474	0.01772991	-0.1208032	0.1208032
MRPS35	-0.07431834	0.05182518	0.08747926	0.0701775	-0.03490615	0.08003536	-0.1799082	0.1799082
C3orf80	-0.06377648	-0.08623841	0.0287408	0.02381733	-0.04330973	0.04464236	0.3459527	-0.3459527
ADCY6	0.128361	0.03361925	0.04537063	0.06903504	0.07675544	0.1351079	-0.1271488	0.1271488
MECR	-0.02744531	0.02221445	-0.01657278	0.02119528	0.05456773	0.02251336	0.0068604	-0.0068604
APBA1	-0.01528851	-0.01122846	0.05627719	0.05901421	-0.01230665	-0.01888473	0.2109881	-0.2109881
HIRA	-0.02390093	0.08503924	0.06966354	-0.04099371	0.1006532	0.03787116	-0.1736827	0.1736827
GLIS2	0.02135337	-0.1362874	0.1020483	0.07481814	-0.02301686	0.08115286	0.5398427	-0.5398427
CGGBP1	-0.0375021	-0.03077532	0.1478975	0.09768745	0.06734487	0.07933703	0.08819039	-0.08819039
HHLA3	0.02310896	0.03886446	-0.03733804	-0.0299895	0.07588395	-0.07331754	0.07830985	-0.07830985
TEX30	-0.05614476	0.08132791	0.02368987	-0.04072381	0.01823964	0.03505264	-0.139992	0.139992
PTCH2	-0.01509616	-0.1631437	0.1220968	0.04749516	0.1224818	0.03694537	0.293741	-0.293741
CLIC5	0.03011637	0.09157347	0.1479613	0.04230739	-0.00862051	0.09927761	-0.04699049	0.04699049
SCG3	-0.07894739	0.00264628	-0.06434099	0.02415261	-0.03912175	0.00493557	0.04239196	-0.04239196
MRM2	-0.02579022	0.01202979	0.06665586	-0.01259167	0.02597175	0.0653134	-0.1734699	0.1734699
TUBG1	-0.04521499	0.09304828	-0.01401248	-0.0990035	0.05681256	-0.00870219	-0.1344104	0.1344104
TMEM44	0.1475715	0.06004841	0.01691999	0.01363059	0.01969242	-0.01924627	-0.05608677	0.05608677
YJU2	-0.09471916	0.06823941	-0.01994037	-0.1311956	-0.0056968	-0.04943188	0.00931395	-0.00931395
FNTA	-0.02982866	0.05121669	0.04037943	-0.00542892	-0.0556147	-0.00579112	-0.1159493	0.1159493
U2SURP	-0.02592561	0.05616862	0.1225273	0.1310772	-0.01229631	0.1355298	-0.1289826	0.1289826
TNFSF13	0.02766212	0.04662942	-0.04710939	0.00984151	-0.08626917	-0.03165481	-0.1492699	0.1492699
LIMK1	0.0109279	0.03349356	0.01700909	-0.0425182	0.01185208	0.05409502	0.07503371	-0.07503371
DCUN1D3	0.07584168	-0.02565204	0.1075848	0.02432174	0.01342123	0.0355127	0.08498975	-0.08498975
CD300LB	0.04522075	-0.09854526	0.07270295	0.03074103	0.05068142	-0.02924945	0.2567856	-0.2567856
PSORS1C2	-0.0517857	0.04476266	-0.01377765	-0.02361618	0.01121408	0.00278875	0.03663022	-0.03663022
RDM1	-0.01722137	0.05581877	-0.01751841	-0.03034876	0.02112095	0.00764943	-0.1971873	0.1971873
B3GALT6	-0.0126083	-0.05096669	-0.02085651	-0.00150351	0.01834689	0.04402156	-0.00631302	0.00631302
ZNF613	-0.1217914	0.05915609	0.134164	0.07547004	0.0357617	0.05722384	-0.0635292	0.0635292
CHKB	0.0079007	0.0974069	-0.02529516	0.06792641	-0.00594931	0.03804809	-0.1162082	0.1162082
HRAS	-0.03201324	0.124699	-0.06906936	-0.03519194	0.00244427	0.02466262	-0.04894902	0.04894902
IL24	0.06126403	0.00928721	-0.06250656	-0.03668893	0.02873857	-0.05553836	0.1104193	-0.1104193
NTNG2	0.05702253	-0.1144817	0.06368923	0.08419455	-0.01381101	0.09381346	0.4407213	-0.4407213

TRIM23	0.0423237	-0.09495432	0.1454534	0.08556894	0.0190169	0.0374356	0.2243813	-0.2243813
NBEA	-0.01908108	-0.1622611	0.125899	0.07895921	-0.00035224	0.0292946	0.2910972	-0.2910972
CXorf38	-0.1579333	0.08916117	0.124816	-0.02456741	0.05012714	0.07783171	-0.1420836	0.1420836
PSMA7	-0.03876402	0.1024201	0.04347125	0.03925191	-0.00845405	0.07339253	-0.1607367	0.1607367
ELP6	-0.04945412	0.06682922	-0.01598186	-0.03948622	-0.03872218	-0.02330556	-0.120013	0.120013
MRPL38	-0.03856532	-0.01462383	-0.07252341	-0.02665128	0.05196045	0.0132801	-0.02673066	0.02673066
PPWD1	0.05602922	0.05609875	0.1049825	0.06167904	-0.03856115	0.1056954	-0.07873674	0.07873674
FAIM2	0.01470423	-0.119365	0.1004224	0.00023234	0.06010248	0.08382492	0.05178173	-0.05178173
CCSER2	-0.01325966	-0.1041526	0.1565743	0.04984554	0.01341115	0.05426049	0.2381012	-0.2381012
LTBP1	-0.00571476	-0.1552212	0.174263	0.08793984	0.02273748	0.00231508	0.5188161	-0.5188161
TMEM158	0.06984903	0.02468202	-0.04131312	-0.04885601	-0.0035476	-0.00447635	0.3126628	-0.3126628
DCSTAMP	0.0674438	-0.01288424	0.1082012	-0.01009284	0.04332581	0.02878593	0.05621183	-0.05621183
BCL9	-0.00187008	-0.03203549	0.06805618	0.02842758	0.05074493	0.02219186	0.09836107	-0.09836107
ETF1	-0.0343246	-0.01677653	0.08867103	0.07874554	0.03647688	0.0903898	-0.09178936	0.09178936
CRABP2	0.05923499	-0.04432228	-0.1450155	-0.0352798	0.03471168	-0.01868968	0.02833872	-0.02833872
MAML1	0.04542603	0.00804214	0.0971166	0.07309403	0.03715176	0.1260812	0.04853658	-0.04853658
TMEM115	-0.00602415	0.0012922	-0.0934698	-0.1305817	-0.05473886	-0.06855186	-0.01473887	0.01473887
BMP5	0.00681817	-0.07988378	0.017003	0.00907384	-0.00716306	0.04243188	0.04418969	-0.04418969
ATPAF1	-0.02232782	-0.01396125	0.01623592	0.01451679	0.00476819	0.00767073	-0.1108481	0.1108481
KIAA1755	0.01952858	-0.09036292	0.1474176	0.07854782	-0.02044941	0.06554982	0.4971206	-0.4971206
FCHO2	0.03526871	0.1029621	0.168665	0.08440658	-0.02228067	0.08371681	-0.1073953	0.1073953
C1QTNF2	-0.01142464	-0.21054	0.1310423	0.03687858	-0.00468421	-0.02433085	0.4922001	-0.4922001
CDC45	-0.05987096	0.08615202	-0.02639854	-0.07797671	0.01094565	0.0035722	-0.2287797	0.2287797
SLC6A20	-0.1217752	0.05285362	0.1225007	0.07759071	0.04394717	0.1319928	-0.1664119	0.1664119
TASOR2	0.01302196	0.08349487	0.1693875	0.06029426	0.01926942	0.1234772	-0.1392422	0.1392422
FAM122C	-0.0236179	0.05969642	0.08187107	-0.0098598	-0.00721015	0.018562	0.0194814	-0.0194814
WDR43	-0.06888957	0.1255929	0.1144578	0.0817981	0.04147062	0.1141475	-0.2998184	0.2998184
STC2	-0.01995186	0.01839871	0.08432169	0.00209581	0.08420941	0.1117025	0.04411684	-0.04411684
TMEM173	0.00252619	-0.01603087	0.04261396	0.04017298	0.06054544	0.06056329	0.3632599	-0.3632599
TMC7	0.09132721	0.03064038	0.1368343	0.09412791	0.1157073	0.1336864	-0.124384	0.124384
COQ7	0.03904061	0.02291216	0.09119637	0.01704405	-0.03188925	-0.05584505	-0.02284601	0.02284601
SLC31A1	0.03473066	0.1396381	0.09302523	-0.02634833	-0.01074129	0.01665323	-0.2964888	0.2964888
KIAA1549L	-0.1377802	0.01841754	0.00290413	-0.01982014	0.09736223	0.06891796	0.0368304	-0.0368304
BNIP1	-0.02892449	0.1497571	-0.00816575	-0.00034226	0.02402732	0.03961615	-0.1476348	0.1476348
RASSF3	0.0129389	-0.0610391	0.1869706	0.09011942	0.02301305	0.08001347	0.1483785	-0.1483785
PGAP2	0.02239546	0.08255042	-0.05618719	-0.1067976	-0.00531757	-0.04048352	-0.1956352	0.1956352
TIPARP	0.00149413	0.04137029	0.02480195	0.05190729	0.00149908	0.02030374	-0.09179049	0.09179049
TMEM263	0.01189088	-0.00345056	0.1175048	0.1168878	-0.03775724	0.06760456	0.00122653	-0.00122653
TNFSF4	-0.02704688	0.06480472	0.1566511	0.01068089	0.01707849	0.03120677	0.3264233	-0.3264233
MISP	-0.02188661	0.09919639	0.03916446	-0.06829048	-0.05926904	0.01995694	-0.2169877	0.2169877
ADSL	-0.05245528	0.02637518	0.0758241	0.02386965	0.04701684	0.0392563	-0.08679562	0.08679562
SENP8	-0.0089965	0.01660303	-0.01468031	0.00345695	-0.00474247	-0.01820038	-0.03629626	0.03629626
HIF1AN	0.05547477	-0.07136213	0.04498928	0.04127339	0.00800872	0.1030646	-0.01113409	0.01113409
TMEM234	0.0443124	0.09941498	-0.04647459	0.02500084	-0.01718398	0.02275622	-0.02559539	0.02559539
ARHGAP6	-0.08856892	-0.0054105	0.1130334	0.01472507	0.00434902	0.03425962	0.2176098	-0.2176098
DNAJB11	0.01043812	0.09137245	0.02140014	0.05632337	0.03334387	0.01554923	-0.1437764	0.1437764
MAGEE1	-0.05329742	-0.1581926	0.0924374	0.01143101	0.0597548	0.01579127	0.3566539	-0.3566539
OR51E1	-0.0573487	0.07621142	0.06669913	-0.0372089	-0.07154686	0.04256563	0.1026336	-0.1026336
MFSD5	-0.01030305	-0.0367845	-0.06635152	-0.1161837	-0.02126767	-0.02766474	-0.00467259	0.00467259
CPLANE1	-0.07330212	0.0288678	0.122472	-0.00674563	-0.03347756	0.035714	0.03797835	-0.03797835
PLA2G4F	0.1278528	0.1065808	-0.1880679	-0.09306227	-0.01921639	-0.07853893	-0.2386512	0.2386512
PSMC2	-0.05203409	0.06058347	0.04496538	0.08654838	-0.03040748	0.03910809	-0.1494916	0.1494916
NUDCD3	0.08610941	-0.02387144	0.07278828	0.05058901	0.05676417	0.06102146	0.0352077	-0.0352077
CARD8	-0.0206532	-0.00483015	0.1491715	0.07814808	0.01752255	0.0630802	0.1480584	-0.1480584
TPX2	-0.01883108	0.06865325	0.03805486	0.01902992	-0.04154193	0.0643947	-0.2133447	0.2133447
SEPTIN10	0.00108058	0.02840079	0.1592797	0.1241157	-0.00496902	0.04995973	0.02438661	-0.02438661
CNOT8	0.05088794	0.03740931	0.1012338	0.0370915	0.04690743	0.05699363	-0.00488472	0.00488472
LAMC2	-0.01101595	0.01522957	0.01533536	0.0273238	0.0201261	0.03021602	0.01558957	-0.01558957
MCMBP	-0.04316446	0.05583212	0.08096721	-0.03861272	0.01920765	0.03273249	-0.1176287	0.1176287
CNOT11	0.01737559	0.1009554	0.01058958	-0.02915985	0.00470981	0.0429583	-0.3145597	0.3145597
FAR1	-0.04104169	0.07404003	0.119187	0.03806105	-0.04905384	0.08671344	-0.2623202	0.2623202

ZNF76	0.08104863	0.05908075	-0.00858112	-0.01099065	0.02991642	0.00496225	-0.0420843	0.0420843
SPHK2	0.01714623	0.01827615	-0.07517224	0.02502221	-0.00156746	0.00541423	-0.1110551	0.1110551
RLN2	0.02949181	-0.01096862	0.00287881	-0.07649961	0.03706803	-0.0048316	-0.06025548	0.06025548
TLR2	0.00341245	0.1011032	0.07341946	0.06533745	0.00825096	-0.05315172	0.125251	-0.125251
CLCN3	-0.01941272	0.05907744	0.00820205	0.03436616	0.0080273	0.00379831	-0.2821944	0.2821944
HAMP	-0.05412636	-0.17203	0.04796758	0.03792057	0.03843897	0.02744329	0.2696944	-0.2696944
CYP2C18	0.04228111	0.01899569	0.01029266	0.01873189	-0.0367698	0.00986709	-0.1806829	0.1806829
FAM122B	-0.03749662	0.1127613	0.01785256	0.00136652	-0.04784354	0.01369428	-0.03669179	0.03669179
BIN2	-0.04685837	-0.02408479	0.1870377	0.05246257	0.0398648	0.06251173	0.1937045	-0.1937045
MKNK1	0.03599768	0.07253657	0.09423902	0.09162865	-0.04057958	0.04226967	0.0218281	-0.0218281
METTL16	-0.00746516	-0.01537084	0.1459562	0.04367611	0.01596725	0.0475462	0.09187428	-0.09187428
INO80E	0.00139465	0.0444525	-0.05528502	-0.00026252	0.0964079	0.00425343	0.02517946	-0.02517946
HES5	-0.04803075	0.01353196	0.04503506	0.01064183	-0.05828155	0.01597745	-0.1134912	0.1134912
PNPT1	-0.02929967	0.1353589	0.1339672	0.04954658	0.03397375	0.09108547	-0.2493111	0.2493111
ATP8A1	0.00933905	0.04395076	0.08784988	0.01186945	0.01644509	0.0678157	-0.1038623	0.1038623
XRCC1	0.03254115	-0.06101107	-0.0068793	0.02442271	-0.01550002	0.0643737	-0.03968628	0.03968628
LRP5	0.08273419	0.02075212	0.04038493	0.02838418	-0.00516859	0.1009515	-0.05555178	0.05555178
SAPCD1	0.05481702	0.1165241	0.01714049	0.03860185	0.02356809	0.05063887	-0.2082137	0.2082137
CD163L1	0.01885025	-0.01427133	0.07167594	0.067186	-0.00402173	0.09423532	-0.03572008	0.03572008
ESF1	0.06238243	0.06373329	0.1675467	0.06936107	-0.03646695	0.07945226	-0.142732	0.142732
AKIP1	-0.01631863	0.05303286	0.1194449	-0.02704613	-0.00378616	0.04170525	0.05192529	-0.05192529
OSBP2	-0.1184861	0.01826259	0.00497358	-0.02727073	-0.06461547	0.02690199	-0.07104059	0.07104059
CXCL2	-0.05331991	0.07862694	-0.07075173	-0.1140262	-0.04130079	-0.1227158	-0.1584775	0.1584775
DDOST	0.0298685	0.05135491	-0.04583849	0.0215129	0.01244011	0.00466393	-0.1180291	0.1180291
MAK16	-0.131879	0.0635309	0.06328354	0.04105684	-0.05525283	-0.02065143	-0.1276564	0.1276564
SHISA3	0.01138536	-0.1398486	0.03822009	0.03090178	0.01465714	-0.04109986	0.3088319	-0.3088319
HIST1H2AL	-0.04048389	0.02255317	-0.04764003	-0.03156325	-0.0379673	0.00050179	-0.07210569	0.07210569
LPP	-0.00818177	-0.1573836	0.1441876	0.07072297	0.02080045	-0.01049095	0.3324315	-0.3324315
NT5DC3	-0.03241609	-0.0524086	0.0578016	-0.05303402	0.01982929	0.01021607	0.1082991	-0.1082991
CD69	-0.07086474	-0.06397358	0.1589839	0.01848349	0.03589964	0.00878476	0.2204945	-0.2204945
OTUB2	0.02599853	0.0477204	-0.08750172	-0.02709482	0.09675516	-0.01705109	-0.1217467	0.1217467
FARSA	-0.01870243	0.1161978	-0.05060051	-0.1029669	-0.01992703	0.00590744	-0.1575396	0.1575396
KDELRL2	0.07254324	0.07357298	0.06890204	0.05805905	-0.02846084	0.02701305	-0.2196649	0.2196649
FOXO1	-0.07802189	-0.01638774	0.1731071	0.07568341	0.05287839	0.09921737	0.1935304	-0.1935304
ZNF445	0.00692579	-0.04230311	0.1123579	0.05933786	0.0245031	0.1031285	0.07834297	-0.07834297
CRTC2	-0.01240368	0.05061244	-0.01768786	0.00979093	0.01152985	0.02371004	-0.00205703	0.00205703
XG	-0.02574444	-0.04978787	-0.05824078	0.03073181	0.01039928	0.04327331	0.03694446	-0.03694446
EIF1AY	0.5587203	-0.1534747	0.04628525	0.07080529	0.01055015	0.00261844	0.05100665	-0.05100665
MGAT4A	-0.01462905	0.126293	0.06479498	0.02979258	0.03534952	0.04654218	-0.1715926	0.1715926
PACC1	0.04823164	0.07593131	0.07333502	-0.04681253	0.05615739	0.03018876	-0.1017543	0.1017543
ATL1	0.09119711	-0.09467631	0.1030949	0.03515738	0.02679179	-0.02448473	0.3492098	-0.3492098
SIRPA	0.04700707	0.04935042	0.1055974	0.0449634	-0.01204316	-0.00739952	0.1483984	-0.1483984
SLC05A1	0.08318509	0.01595908	0.07689786	-0.0311196	0.01542394	0.01104714	0.1004392	-0.1004392
RPUSD2	-0.05650514	0.07897825	0.07888887	-0.02338291	-0.03075699	0.02948128	-0.1743806	0.1743806
ZNF558	-0.08179602	-0.09805867	0.1178633	-0.06184319	-0.03463212	0.06075606	-0.08429844	0.08429844
SPARCL1	-0.01529267	-0.1654797	0.1414213	0.05737666	0.048463	-0.04782758	0.4258432	-0.4258432
NUDT8	-0.1173216	0.08075143	0.06382003	-0.09626354	-0.04617015	0.03492748	-0.1914145	0.1914145
CD74	0.0255567	0.00288696	0.1152968	0.01393166	0.02690056	0.06047788	0.09112739	-0.09112739
GKAP1	-0.06351036	-0.1200341	0.09301659	-0.05934344	-0.02357486	-0.0344439	0.00720615	-0.00720615
SFI1	-0.00488205	0.07412749	0.1739633	0.09583779	0.05514982	0.1417179	-0.109371	0.109371
PSMD3	0.00974836	0.05538096	-0.04384394	-0.04924136	0.05631592	0.00220515	-0.1380909	0.1380909
ALDH1A1	0.09503239	-0.03477979	-0.01500853	0.07801181	-0.05703545	0.02299404	-0.0932216	0.0932216
SERINC2	-0.0111057	0.05252186	-0.01828936	0.02242941	-0.007273	0.01757276	-0.07486514	0.07486514
ANTKMT	-0.05862668	-0.05958731	0.0814598	-0.09248483	-0.04478083	0.03095923	0.00198473	-0.00198473
STOM	-0.02958127	-0.05813999	0.1879493	0.1249075	0.081342	0.03101256	0.3946775	-0.3946775
SYNE3	-0.01002191	-0.03560008	0.01910359	0.04201021	0.06485731	0.05297411	0.1696666	-0.1696666
TMEM63B	0.09323788	0.121872	-0.04464775	-0.06825763	-0.04372163	-0.03729299	-0.1671539	0.1671539
DCTN5	0.06954396	0.02619003	0.1256993	0.07746398	0.05695749	0.06135655	-0.02524444	0.02524444
RACK1	-0.06907291	-0.01653636	0.00394225	-0.00381161	-0.02638481	0.07564616	0.04521811	-0.04521811
TMEM159	0.00267968	-0.0223431	0.08157618	0.00578664	0.00850425	0.01737952	0.1215838	-0.1215838
PEAR1	0.07326558	-0.09838356	0.09961075	0.07761641	0.08081092	0.07827591	0.2400079	-0.2400079

STOX2	-0.03938165	-0.04779381	-0.06835456	-0.00241506	-0.02619278	-0.03268698	0.09855645	-0.09855645
TLX2	0.03913155	0.08069817	-0.09845311	-0.02598892	0.00853763	-0.07020751	-0.08327315	0.08327315
SLC2A13	0.04110848	0.04765308	0.0789813	0.04726127	-0.07718364	0.0468437	-0.08611017	0.08611017
ZNF316	0.1271857	-0.02013722	0.08853941	-0.0113505	0.03304006	0.05496185	-0.06760565	0.06760565
COPS8	0.00530957	-0.02091012	0.1139807	0.08280142	0.08605129	0.00993866	0.1973446	-0.1973446
ZKSCAN7	0.01356746	-0.09821703	0.06389343	0.04361631	0.00559196	0.00215613	0.2609813	-0.2609813
MCMDC2	0.04240423	0.00280702	-0.04697608	-0.07842443	-0.0179342	-0.00242118	-0.1587488	0.1587488
CCHCR1	0.06354034	0.1507062	-0.06242532	-0.03883509	0.03612006	-0.03529071	-0.2013401	0.2013401
ALG13	-0.1006113	0.1012093	0.01774066	-0.01523045	-0.00299642	-0.00161664	0.04770053	-0.04770053
NAMPT	0.02537885	0.06733866	0.03692832	0.03017643	-0.00580751	-0.02547848	-0.07806627	0.07806627
RPL26L1	-0.08342345	0.06097296	0.08056468	0.01604662	-0.0039437	0.07059948	-0.07816622	0.07816622
CARF	0.08237155	-0.01554651	0.08420225	0.07120188	0.05460259	0.02790582	0.119149	-0.119149
CEP152	0.06023629	0.1095017	0.1078961	0.07840527	0.00083689	0.1161808	-0.2528287	0.2528287
CD244	0.00325878	0.01701138	0.1605229	0.00831054	0.01544957	0.03273611	0.05571311	-0.05571311
FMOD	0.01155603	-0.107159	0.07857457	-0.00338486	0.1457268	0.02133025	0.1941047	-0.1941047
SAA1	-0.06150926	-0.07429367	0.02969938	-0.03231527	0.0875933	0.07421244	-0.04973073	0.04973073
AK4	-0.0137009	0.00200671	0.07823093	0.1391632	0.03915083	0.08476879	-0.06335841	0.06335841
ZNF655	0.1199662	-0.05787764	0.01142871	-0.00666069	0.02562565	-0.04504305	0.05232261	-0.05232261
MT-CYB	0.03116049	-0.01042679	-0.07612693	0.01401601	0.02694028	-0.09318402	-0.00753102	0.00753102
AHNAK	0.00389793	-0.07860489	0.06834546	0.05038245	0.03135929	0.05512045	0.1945291	-0.1945291
SLC15A3	-0.08898841	-0.00490008	0.1549461	-0.0228082	0.05648085	0.07010135	0.2173233	-0.2173233
CLIP4	-0.01735961	-0.1115657	0.1294243	0.05915224	0.03369884	0.03299134	0.3743361	-0.3743361
STAC3	-0.04041023	-0.00308171	0.1071536	0.00748725	0.00395084	0.09917924	0.00314733	-0.00314733
C2orf88	0.00034047	0.0303792	0.04807333	0.07280099	-0.01377062	0.08104644	-0.06024453	0.06024453
RHOA	-0.1012042	0.04474554	0.08294096	-0.0262938	-0.00236321	-0.02005391	-0.0395929	0.0395929
MYL6	-0.09221733	-0.151311	0.06785669	0.01464082	-0.02159211	-0.001871	0.3292626	-0.3292626
RAB6B	-0.05931584	-0.1007989	0.04222473	0.00011323	-0.05862685	-0.03785743	0.2387977	-0.2387977
HECTD3	0.03422496	0.1010231	-0.0123696	0.00364374	-0.01853639	0.03741308	-0.2064956	0.2064956
PLPPR4	-0.00509344	-0.1560809	0.1581398	0.1038026	0.1033154	0.09910475	0.3599932	-0.3599932
METTL5	-0.128147	0.1213533	0.04406013	-0.02976565	0.0031034	-0.01846943	-0.1165794	0.1165794
HRC	0.05334991	-0.05089861	0.00443493	0.06576627	-0.012871	0.02540849	0.1080774	-0.1080774
DOCK3	-0.00354166	-0.07680239	0.0069633	0.00895462	0.0109452	0.00985777	0.226776	-0.226776
ATAD5	0.02206042	0.0670396	0.1206004	0.04641682	0.09296092	0.08841265	-0.2498639	0.2498639
GUCA1B	0.01656047	0.06479792	0.04094576	-0.0195507	0.02887161	-0.0007002	0.05300704	-0.05300704
TBL1X	-0.02491177	-0.0161544	0.05906731	0.02492732	0.0384861	0.06135648	0.140913	-0.140913
KIF2A	0.03554065	0.02858705	0.1439415	0.02068824	-0.00708923	0.1077824	-0.1729324	0.1729324
PTPN2	0.00605746	0.03384998	0.1157902	0.08168824	0.00522921	0.05989319	-0.1285122	0.1285122
TMEM184B	0.07856621	0.04880999	-0.01724644	-0.006324	0.01916403	0.05821681	0.0952803	-0.0952803
SEMA4G	0.02277395	0.08989547	0.00748425	0.08608844	0.06740593	0.1080044	-0.2239218	0.2239218
ORMDL1	0.00788892	0.148193	0.1153414	0.1073696	0.03423661	0.05654996	-0.1477015	0.1477015
SPA17	-0.09783462	0.08258688	0.00471356	-0.03829675	-0.01086446	0.05123563	-0.06290469	0.06290469
DOCK8	-0.03535814	-0.02367034	0.1528435	0.09399076	0.03167351	0.09531633	0.161825	-0.161825
ZIC2	-0.04716569	0.1059382	0.0840215	-0.05993712	-0.01280202	0.00565163	-0.06787201	0.06787201
CEPT1	-0.01381195	0.01705385	0.100362	0.04362044	0.02231158	0.06194626	-0.1406406	0.1406406
RABGGTA	0.00969547	0.08485934	-0.1225313	-0.00679169	-0.06513161	0.05650065	-0.1958604	0.1958604
POP5	-0.05104348	0.01200963	0.00736954	-0.0116907	-0.02401197	0.05789301	-0.1241259	0.1241259
MOB1B	-0.05936172	0.0885412	0.1028197	0.07349061	-0.00513724	0.05094344	-0.01842875	0.01842875
PLCB1	0.09168899	-0.0059044	0.05030971	-0.00201787	-0.05685375	-0.05112512	0.06549333	-0.06549333
WDFY4	-0.0414813	-0.03643921	0.06642781	0.05265487	0.02410256	0.06005993	0.09981382	-0.09981382
PRKCG	0.08203413	0.03205042	0.0962448	-0.02367492	0.06949681	0.07949448	0.04229865	-0.04229865
SCUBE2	-0.0193957	-0.1581028	0.02833743	0.01975382	0.04900021	-0.05548952	0.2942407	-0.2942407
FGFBP3	-0.03434546	0.02331474	0.0403544	-0.02872486	0.01699009	-0.05749961	-0.04946849	0.04946849
SCAMP5	0.05314654	-0.03301762	-0.09654417	-0.03399437	0.01316375	-0.06973085	-0.0702825	0.0702825
TMEM70	-0.04693637	0.06765951	-0.05281077	-0.05028182	-0.07224229	-0.0373274	-0.2450392	0.2450392
CCDC134	0.01203828	0.00482344	0.05286593	-0.02118161	0.02291736	0.05651149	-0.1382158	0.1382158
GMSD	0.0026526	0.02828526	-0.04923848	-0.03432788	-0.00480872	-0.06598731	-0.2281817	0.2281817
AP001931.1	0.09597551	0.1473384	0.03115074	0.05180587	-0.03862239	0.02763854	-0.1104363	0.1104363
TRAPPC8	0.01484681	0.06725744	0.2250975	0.09176234	0.00995513	0.1350015	-0.1862936	0.1862936
BLVRA	-0.04110822	-0.08953205	0.1026257	-0.00559945	0.07379519	0.03917354	0.3223655	-0.3223655
TMBIM4	0.00365746	0.01263614	0.08514956	0.07299149	-0.05470966	0.00783175	0.06720359	-0.06720359
CSTF2	-0.00769532	0.1003554	0.05337091	-0.0791594	0.01853261	0.0536791	-0.2239108	0.2239108

RGS1	-0.03823977	0.02222455	0.2231887	0.05504039	0.05884555	0.02938418	0.2053979	-0.2053979
AACS	0.1144721	-0.06267993	-0.0095397	0.01643002	-0.00752538	0.09133415	-0.1869274	0.1869274
VWA2	0.1192178	0.04702786	-0.05078569	-0.06283605	-0.03604874	-0.0341725	-0.03656804	0.03656804
TYW5	-0.00968909	0.1393043	0.08535984	0.07100855	0.03067215	0.08302514	-0.1410487	0.1410487
BIN1	0.00418365	0.01535661	0.0015693	0.01414767	0.04640059	0.00779079	-0.0640238	0.0640238
HSD11B2	0.193863	0.1485721	-0.04709262	-0.09235042	0.05017535	-0.0475512	-0.2043128	0.2043128
KIF26B	0.09577714	-0.08708635	0.03959581	-0.02169557	-0.05284701	0.02317574	0.1689848	-0.1689848
LYPD1	0.01941393	-0.07567374	-0.03906594	0.00045232	0.00977532	0.05461677	0.2100912	-0.2100912
CDCA2	-0.1060557	0.08862337	-0.01503036	-0.04625371	-0.08123659	-0.04190951	-0.2679392	0.2679392
SPPL3	0.03302056	-0.06741051	0.06313903	-0.02254864	0.03150238	0.05223368	0.05080665	-0.05080665
TIMM10	-0.0528862	0.07672329	0.02927204	-0.02731128	-0.01641057	0.01087237	-0.1147657	0.1147657
UPK3A	-0.01215503	-0.01149032	-0.05151051	-0.09337075	0.05774848	-0.03751252	-0.08112864	0.08112864
ARF4	-0.03481782	0.09955956	0.04883968	0.03675746	-0.01673866	-0.03172518	-0.07971077	0.07971077
AGO2	0.041392	0.05633341	0.01782449	0.00153943	-0.00247599	0.0344748	-0.176001	0.176001
UPK3B	-0.00909081	-0.00275835	-0.1281585	0.07959673	-0.01182008	0.01935927	0.03129796	-0.03129796
CD1B	0.04883275	0.01432969	0.1270047	-0.03559997	-0.07779835	0.00252371	-0.04847824	0.04847824
LPCAT2	0.1036188	0.07357736	-0.00184748	-0.01173472	-0.015671	-0.03920798	-0.0019938	0.0019938
TPM1	-0.05106524	-0.1336753	0.08930407	0.00670737	9.11E-05	-0.05506779	0.3272962	-0.3272962
BAG5	0.01169274	0.03011094	0.1033681	0.06699258	0.02091738	0.09014968	-0.166349	0.166349
SGTA	-0.07759167	0.02681194	-0.0269927	-0.1190178	-0.02209726	-0.03457162	-0.03496583	0.03496583
UBD	-0.00903725	0.05823908	0.1403606	-0.04358955	-0.02252334	0.05731397	0.02298337	-0.02298337
PTOV1	-0.06541046	-0.01257754	-0.05434453	0.01410038	-0.00172781	-0.00330849	0.06133298	-0.06133298
BNIP5	0.06256044	0.1265822	0.00420068	-0.03426271	0.00081314	0.01881689	-0.1655851	0.1655851
NUP188	0.00280149	0.08170233	0.03515163	-0.06028619	-0.02409629	0.03407618	-0.1672601	0.1672601
LDAH	-0.01384987	0.07254695	0.115192	0.09660401	0.04864048	0.1256226	-0.1754455	0.1754455
TBX10	0.1166436	0.0193392	0.01853029	0.0288653	-0.06646861	0.03572102	-0.05069102	0.05069102
PGAP1	-0.00520888	0.03412466	0.04399649	0.05796646	-0.01349307	0.03632287	-0.1073603	0.1073603
PDE4B	-0.00858458	0.01949432	0.1157862	0.05432582	0.01408948	-0.00328604	0.2527887	-0.2527887
HEATR1	0.00674955	-0.00974972	0.1381796	0.08555226	0.02421794	0.1318134	-0.1786503	0.1786503
PRKD1	0.02402353	-0.16053	0.174502	0.1071525	0.05720961	0.0144485	0.5324575	-0.5324575
TPBG	0.01499474	0.05695843	0.00445951	0.03004379	-0.0308118	0.00495508	0.09104161	-0.09104161
PBX4	0.03210279	0.0642658	-0.00503945	-0.1359585	-0.00048267	-0.05776732	-0.07747082	0.07747082
CCDC146	0.04749728	0.00502559	0.09863707	-0.03051636	0.04191905	-0.0724023	0.2159512	-0.2159512
CYCS	-0.0717154	0.08575115	0.00658289	0.01669917	-0.018211	0.04527109	-0.3375333	0.3375333
HAUS8	-0.07413702	0.1160166	0.03245711	-0.0656035	0.04785285	0.06709531	-0.222236	0.222236
KCNH8	0.05385541	0.1001332	-0.08325368	-0.07977884	-0.04699604	-0.07628572	-0.00395232	0.00395232
ZXDA	-0.00026831	-0.06707109	0.1410949	0.03702101	0.03580847	0.1090112	0.1153515	-0.1153515
SMNDC1	-0.01148549	0.1171693	0.08120448	0.04228987	-0.01333964	0.09536673	-0.1582753	0.1582753
HDGFL3	-0.03651934	-0.1056985	0.05022492	0.0481378	0.01066854	-0.00124573	0.4127121	-0.4127121
KCNQ3	0.02744476	-0.01237678	-0.0080385	0.01757388	-0.01262351	0.00938729	0.08957823	-0.08957823
PPM1B	0.06173104	0.1064321	0.1319241	0.04608594	-0.00594759	0.05918462	-0.231238	0.231238
ZNF799	0.08519681	0.1402533	0.0818814	0.00074704	0.0343431	0.05805754	-0.1917489	0.1917489
PRLR	0.03241202	0.1004799	-0.02271524	-0.09139076	0.00813373	-0.08325897	-0.1921784	0.1921784
CSNK2A3	-0.05672843	0.01100539	0.05484733	-0.02919151	0.03584041	0.05874576	-0.0140058	0.0140058
CCNL1	0.05004599	0.09507581	0.1123407	0.124384	-0.00466026	0.1186246	-0.1641137	0.1641137
WDR62	0.02561407	0.1121687	-0.04108762	0.00572872	0.01734957	0.04675117	-0.1948817	0.1948817
SLX4IP	0.05072302	0.1179355	0.0708978	-0.02063207	-0.02756415	0.01599238	-0.1934478	0.1934478
SULT2B1	0.02980606	0.0465376	-0.1621159	-0.1117097	-0.00026301	-0.04735649	-0.09399288	0.09399288
GNGT1	-0.02320561	0.00408032	-0.02677525	0.03484988	-0.00015377	0.02176417	0.00668082	-0.00668082
NOVA2	0.01931337	-0.02621032	0.1043603	0.02565453	0.0074429	0.07837873	0.4196551	-0.4196551
ACKR4	-0.00507663	0.00881634	0.156239	0.05344443	-0.04274088	0.04206588	-0.04253576	0.04253576
LRRCC1	-0.02330591	0.08887912	0.09222469	-0.01080356	-0.01320901	0.02197099	-0.1775984	0.1775984
APOO	-0.05299427	0.07065063	-0.06149695	-0.1374148	-0.02698879	-0.04112574	-0.1542553	0.1542553
MICOS13	-0.1139425	-0.09112019	-0.02891135	-0.1054856	-0.00072895	-0.01777877	0.1425482	-0.1425482
IGLL1	-0.07538749	0.00463533	0.00780549	-0.01280201	-0.01680736	0.03832388	-0.03840451	0.03840451
REST	-0.00010554	0.02304474	0.2180967	0.09937179	0.01159424	0.1551837	-0.04220055	0.04220055
KHK	-0.08072984	0.04645262	-0.02942744	-0.112609	0.02201238	-0.02279742	-0.1574392	0.1574392
IMMP1L	0.01350516	-0.0303868	-0.02048329	-0.00954663	-0.01403421	-0.01611877	-0.08675144	0.08675144
COA1	0.07760104	0.01836747	0.08416945	0.04891096	-0.00352589	0.06877442	-0.08926921	0.08926921
POGLUT2	0.06775122	-0.04096495	0.07662569	0.0609928	0.00696812	0.0092763	0.2736701	-0.2736701
TMEM125	0.05768537	0.09278353	-0.1103762	0.01096728	-0.05054314	0.04636632	-0.3074871	0.3074871

CFH	0.04571278	-0.1027603	0.1810871	0.1182264	0.08192236	0.0444819	0.2966054	-0.2966054
LRRRC70	0.01198699	-0.03751515	0.1243871	0.05861356	0.04353818	-0.02597108	0.3309735	-0.3309735
PHB2	-0.101444	0.07623609	-0.01366131	-0.08650237	-0.06971696	0.00812368	-0.1192723	0.1192723
GPR17	-0.01859562	-0.0882171	0.03536234	0.02677215	0.01050626	0.02700856	0.1572706	-0.1572706
BTNL9	-0.01524216	0.1670787	0.09431538	0.1475035	0.03572771	0.09638153	-0.08977584	0.08977584
UTS2	0.06939051	0.00311142	0.1643288	-0.04644824	-0.04555941	-0.05847572	-0.01544239	0.01544239
CCAR1	0.02932824	0.04455264	0.1710358	0.1153105	-0.00836887	0.1626044	-0.2415988	0.2415988
TMEM245	0.01991853	-0.135422	0.1621668	0.0504868	0.03963136	0.05451638	0.2604178	-0.2604178
DPM2	-0.04323547	0.08830981	-0.0964546	-0.1192474	-0.01931061	-0.05416157	-0.07131613	0.07131613
SLC5A4	0.06676773	-0.01580393	0.111151	-0.01899722	-0.00651937	-0.01242595	0.08279574	-0.08279574
MLLT6	0.05321404	0.03095836	0.00840615	-0.00937801	0.04094906	0.02377781	-0.05458002	0.05458002
NCR3LG1	0.0683222	0.04402806	0.1305111	0.01486584	0.0115476	0.1092913	-0.1962199	0.1962199
CSNK2A1	0.04617773	0.09825422	0.07517078	-0.01669545	-0.0396085	0.02287561	-0.1399403	0.1399403
ATG4B	0.08670787	0.1073964	0.01985809	0.00426949	0.01390338	0.07074925	-0.1442564	0.1442564
VAMP3	-0.00749039	0.08930496	0.04952743	0.01434945	0.04385701	0.05887231	-0.1010962	0.1010962
NGRN	0.05025394	-0.04276905	-0.09053086	-0.02685092	-0.02537879	0.01033878	0.1141974	-0.1141974
ZNF720	0.1389282	0.01136781	0.1044529	0.1472711	0.05889865	0.04656303	0.08532812	-0.08532812
ATP6V1D	-0.06324817	0.00034614	0.03695503	0.00221323	0.00724381	0.03838854	-0.1092024	0.1092024
ING5	0.0243815	0.06512575	0.07537957	0.09877183	0.00797798	0.123096	-0.1816539	0.1816539
KRTAP5-1	0.07860751	0.0798826	0.07391193	0.0412274	-0.00490279	0.06353454	-0.06300308	0.06300308
ZNF79	-0.03817401	-0.03426083	0.1073056	-0.03886872	-0.00121118	0.08126	0.07964516	-0.07964516
DAPK3	-0.05690516	-0.06583786	0.08903048	-0.05882712	0.00321331	-0.0159507	0.4475157	-0.4475157
CEP57L1	0.00400796	0.05815649	0.1278597	0.07372532	0.01123699	0.07368857	-0.1285618	0.1285618
L3MBTL1	0.07582677	0.07077406	-0.0185757	0.04832627	-0.0061997	0.03960479	-0.06793693	0.06793693
SEC61A2	-0.03401996	0.09612788	0.02118264	-0.02840118	0.03812794	0.00020564	-0.1039479	0.1039479
PHF20L1	0.02442878	0.1384439	0.1172053	0.07300328	-0.03064777	0.1207819	-0.1065404	0.1065404
FXR1	-0.00081028	-0.01997515	0.1521193	0.08990338	0.05577584	0.1149112	-0.00086372	0.00086372
PLXDC2	0.00065891	-0.1370802	0.2229827	0.09546153	0.02112879	0.06062597	0.5578831	-0.5578831
CARS2	-0.0511209	0.05471215	0.0962891	0.01883759	-0.00738964	0.06532267	-0.1000091	0.1000091
TMEM50B	0.02034739	0.00937508	0.1196394	0.1112441	0.02917864	0.00287039	-0.1113096	0.1113096
JAM2	-0.01454806	-0.2138412	0.1504382	0.06369312	0.04048939	-0.00310105	0.4576827	-0.4576827
C18orf54	-0.02474731	0.04677696	0.1198105	-0.00033844	-0.03530089	-0.00847838	-0.09891408	0.09891408
TUBGCP2	-0.02737459	0.02678485	0.04428848	-0.01418808	0.02702569	0.04338668	-0.07893915	0.07893915
ZNF30	-0.03697476	0.06387783	0.02106269	-0.01363451	0.02019005	0.02746596	-0.1074099	0.1074099
ZNHIT3	-0.04235097	0.102842	0.1334704	0.06710398	0.07811132	0.07890291	-0.1745751	0.1745751
PGBD2	0.06380885	0.08278782	0.07035201	0.06143804	0.02622719	0.1085835	-0.1990845	0.1990845
VPS35L	-0.04768488	-0.125382	0.09424454	0.1447776	0.08937764	0.03709032	0.2794832	-0.2794832
ZNF518A	0.0587882	0.04774717	0.09969673	0.03714197	0.00758255	0.09135462	-0.2476017	0.2476017
PIK3CA	-0.02786567	-0.0144032	0.1757167	0.07165308	0.01263648	0.1142137	0.07445684	-0.07445684
NECTIN3	-0.00354333	0.05263966	-0.00013645	0.06463503	0.03134748	0.01423704	-0.1116314	0.1116314
USP11	0.03005738	-0.06555935	0.07205971	0.03448241	-0.02345736	0.08262819	0.286151	-0.286151
UBR5	0.08991903	0.08467482	0.073641	0.08781063	0.06085032	0.1275496	-0.131872	0.131872
METAP1D	-0.0352213	0.1151394	0.01711994	0.05135113	-0.01764542	0.02305479	-0.1262072	0.1262072
GIMAP7	-0.04989089	-0.09910364	0.2027471	0.07973094	0.03243401	0.04777298	0.3219337	-0.3219337
SCNM1	-0.05650398	-0.00579122	0.0064158	-0.01006088	0.04144369	-0.01897047	0.046978	-0.046978
TTR	0.02259626	-0.09209862	0.00085209	0.0203751	0.02481338	0.00073285	-0.1444943	0.1444943
NR1I2	0.07222763	0.09105417	0.03568889	0.04154868	0.0453135	0.01341014	-0.2213804	0.2213804
FEM1A	-0.03172553	-0.05982383	0.054039	-0.06207187	0.07350454	0.01652595	0.1418661	-0.1418661
B3GNT10	-0.03995852	-0.01632206	0.06164364	-0.00959186	0.0210621	0.06899033	-0.1173285	0.1173285
CROT	0.07444627	-0.04996536	0.08434588	0.07209832	-0.03132134	-0.02471997	0.03149937	-0.03149937
RGS19	-0.04146377	-0.00714416	0.00368351	-0.02636811	-0.03195948	0.02921594	0.108535	-0.108535
ATP5PF	-0.1116349	-0.1077764	-0.0292773	-0.06718543	-0.01309532	-0.01450385	0.00016822	-0.00016822
COX7A2	-0.07420686	0.06534466	-0.01288312	0.00984884	-0.03609567	0.02317981	-0.2064004	0.2064004
LMBR1L	0.09159693	0.04374957	0.1042151	0.09739987	0.07088611	0.1368197	0.05116083	-0.05116083
GNPNAT1	-0.05952806	0.08713848	0.1081321	0.00067724	-0.03263431	0.09025057	-0.3074782	0.3074782
HSPB7	-0.04029521	-0.1558537	0.07236074	-0.01069439	-0.02106237	-0.03301287	0.3726449	-0.3726449
CHST7	0.00398161	-0.05539986	0.09544805	0.05780329	0.03520679	0.06158611	0.3846125	-0.3846125
SAA2	-0.05998761	-0.07467974	0.02074473	-0.03955656	0.07536242	0.07066798	-0.0620715	0.0620715
TRAF6	0.05467831	0.02199693	0.1628751	0.02770854	0.06363817	0.04687011	0.01687598	-0.01687598
STXBP3	0.00351698	0.1029641	0.1625378	0.05971783	-0.01123096	0.0918237	-0.1905628	0.1905628
TXNDC16	0.08495133	-0.00139705	0.00928144	0.0066946	0.00767025	-0.02741549	-0.1342109	0.1342109

NDUFB7	-0.07359802	-0.04571617	-0.0579083	-0.1209979	-0.0293057	-0.08069282	0.09013318	-0.09013318
GNGT2	-0.05275269	-0.0161865	0.1369218	0.01882343	0.00106447	0.05191479	0.1892311	-0.1892311
CBFA2T2	0.1033721	0.00692131	0.00798973	-0.03595841	-0.02085327	0.00828608	-0.05908924	0.05908924
PRKN	-0.02340666	-0.1483845	0.1132203	0.02466528	0.01112399	-0.062792	0.3208253	-0.3208253
UGCG	0.01231257	-0.09634888	0.06805227	0.05608845	0.02326177	0.01158225	-0.01054441	0.01054441
LAG3	-0.0608145	0.04878108	0.1940925	-0.03336159	-0.00255807	0.0923154	0.03001232	-0.03001232
GDE1	-0.00043951	0.07322755	0.06335791	0.06239713	0.02599625	-0.04630156	-0.04090778	0.04090778
ZNF264	-0.00581084	-0.02232582	0.116856	0.05280858	0.02021827	0.05124	0.1626378	-0.1626378
FERMT3	-0.03368405	0.03830774	-0.01559323	-0.01282651	-0.01117007	-0.0015292	0.00374349	-0.00374349
TRIM16L	0.02386325	-0.05423365	0.02857261	0.05394361	-0.0724052	0.04115837	0.0280378	-0.0280378
EMP2	0.06709632	-0.03697585	-0.06354124	-0.07734676	0.1026564	-0.04387299	0.01782088	-0.01782088
PEPD	0.03788839	-0.01284731	-0.00913413	0.04701768	0.06769439	0.04054176	0.01447404	-0.01447404
AXL	0.02079816	-0.08664479	0.06318989	0.1016296	0.1017007	0.05980168	0.381446	-0.381446
NOC4L	-0.02279544	-0.00309676	-0.04181757	-0.0635119	0.00810338	0.0128706	-0.1178225	0.1178225
FBXO32	-0.02424026	-0.1193933	0.1217467	0.09058391	0.07530169	-0.03183263	0.3707725	-0.3707725
UNC5A	-0.03169244	0.1022498	-0.00321558	-0.07879149	0.01941703	0.00706349	0.01428685	-0.01428685
ASRGL1	0.04033668	0.01904436	-0.09010544	-0.02881538	0.03948433	-0.0901846	-0.07762289	0.07762289
DDO	-0.02493305	-0.06368623	0.04386267	0.02039236	0.01213343	0.03615426	0.03707691	-0.03707691
ZNF672	0.04006795	0.00085808	0.00948009	-0.04740041	0.01388089	0.02022133	-0.09017857	0.09017857
EDAR	0.00189437	-0.01702462	0.0072545	-0.06355547	0.10073	0.03692155	-0.04281016	0.04281016
ZNF205	-0.0212053	0.04118935	0.01467499	-0.05016674	0.01582614	0.00302061	-0.00490861	0.00490861
DTNBP1	0.03166454	0.02556951	0.129734	0.0027237	0.05280499	0.06800001	-0.02360723	0.02360723
BUD23	0.05249288	0.09287074	-0.00391492	-0.02543085	0.00611066	-0.00467629	-0.1625802	0.1625802
PSAP	0.00366766	-0.01472124	0.1395285	0.1197235	0.00072042	0.0927252	0.1060224	-0.1060224
POLR3H	-0.06017088	-0.01398903	-0.00562467	-0.0078997	0.02394007	0.02482735	0.00300954	-0.00300954
CTPS1	-0.05278431	0.03868505	0.05926072	0.04509595	0.04656846	0.05662746	-0.1478473	0.1478473
NGDN	-0.05448254	0.1112978	0.08117589	-0.00014165	0.01754915	0.1172777	-0.224266	0.224266
TMEM150B	0.02235591	0.07334805	-0.00773801	-0.00420704	0.05604762	-9.02E-05	-0.08705282	0.08705282
RARG	0.05402915	-0.00324031	-0.1110097	-0.02861902	-0.02277823	-0.00554958	0.03783336	-0.03783336
OVOL2	0.09404617	-0.00502946	-0.05485515	-0.1027911	-0.08290569	-0.08571711	-0.2157186	0.2157186
SLC22A5	0.0694284	0.09558043	-0.02164233	0.05874739	-0.05100231	0.03584564	-0.187957	0.187957
PREX1	0.03915487	0.00575857	0.1742347	0.1135784	0.0260481	0.1219666	0.2003948	-0.2003948
LUC7L2	0.02497754	0.1192562	0.07143632	-0.027622	-0.03608865	0.01095855	-0.1375122	0.1375122
C19orf44	0.01306876	-0.06639321	0.08643187	0.0796318	0.14969	0.09825594	0.08377842	-0.08377842
HAT1	-0.07342168	0.1101447	0.09186731	0.01393199	-0.02737158	0.02495526	-0.2278705	0.2278705
SLC52A1	0.04380688	0.1414084	-0.1960256	-0.06859007	-0.0333262	-0.115127	-0.09077486	0.09077486
CYP2W1	0.08360693	0.04592172	0.00675765	0.0201238	0.05568838	0.0398997	-0.03362719	0.03362719
FANCA	-0.04823741	0.1498832	0.05918495	0.01955975	0.04103668	0.01628049	-0.273393	0.273393
PIIG	0.00581594	0.1112138	0.1916663	0.09576272	0.00591311	0.08195432	-0.1328006	0.1328006
BYSL	-0.01388483	0.1700866	-0.08835213	-0.08659211	-0.01511256	-0.04921846	-0.1903502	0.1903502
SULF2	-0.02642142	0.03523262	0.2117876	0.1183646	0.04865763	0.08665358	0.1713849	-0.1713849
LIG1	-0.02464111	0.1171735	0.0305563	-0.00872053	0.03325835	0.04864664	-0.2046273	0.2046273
METTL4	-0.0352779	0.07010294	0.04322604	0.06242175	-0.02950455	0.00080694	-0.1103876	0.1103876
IQCD	0.00966925	0.00476768	-0.06112	-0.09730313	0.06344408	-0.02696975	0.02744041	-0.02744041
SALL2	-0.0115143	-0.1586165	0.06467328	0.07545843	0.03121621	0.02422111	0.3578369	-0.3578369
CRYM	0.0298142	0.02195582	-0.0206476	-0.0206632	-0.00889892	-0.01745486	-0.05411603	0.05411603
ZNF862	0.1081953	0.00435962	0.03904329	-0.02879612	0.07825068	0.02096216	0.05578675	-0.05578675
MLH1	0.1194895	-0.09667253	0.04964997	0.09113285	-0.02463267	0.09717964	0.08313628	-0.08313628
MPP3	-0.02682676	0.09214943	-0.00635491	0.1008402	0.1027976	0.1098432	-0.00124842	0.00124842
POTEE	-0.06631581	0.00649875	0.00814876	-0.00095817	0.03011729	-0.02104689	0.16022	-0.16022
SI	0.08277893	0.06608532	-0.06353332	0.00721599	-0.00230427	-0.02584498	-0.1494495	0.1494495
ZBTB43	-0.04407282	0.0258695	0.06161146	0.00697697	-0.02597566	0.1010684	-0.111531	0.111531
SCYL1	-0.03462588	0.08256952	0.03844581	0.0157048	0.00595994	0.04800135	0.00087228	-0.00087228
STAB1	0.09003228	-0.00544335	0.1447876	0.1354768	0.0566279	0.04757201	0.3367355	-0.3367355
RFLNA	0.01897574	-0.02200035	-0.1275253	-0.04378963	-0.06466087	-0.1116104	-0.1937197	0.1937197
SCAMP2	0.01539096	0.0937565	-0.1095361	-0.0398651	0.00611096	-0.02096106	-0.139977	0.139977
LRR1	-0.1117648	0.05947087	0.05454273	0.01359882	0.03832732	0.1135181	-0.307999	0.307999
REGG	-0.06017775	-0.2082752	0.09117006	0.03484189	-0.00078349	-0.03159377	0.4206147	-0.4206147
GOLT1B	0.059711	0.08358936	0.1308792	0.0918329	-0.02739349	0.1113039	-0.09818323	0.09818323
TCF7L2	-0.03891725	0.08416172	0.10154	0.08761261	-0.01147127	0.1136098	-0.1053328	0.1053328
SOWAHA	0.0871697	0.01516788	-0.06596768	-0.00380404	0.00775047	-0.00413725	-0.1312441	0.1312441

NEXN	-0.02759631	-0.1407189	0.1061047	0.02371736	-0.01423311	-0.03867321	0.3665572	-0.3665572
ANKRD52	-0.00901989	0.01891403	0.03304156	0.01537625	0.00655814	0.113662	-0.0686379	0.0686379
MAP7	0.03928893	0.1594762	-0.01398881	0.01400547	-0.02431497	0.04880039	-0.3232855	0.3232855
CCNJL	0.01421992	0.06702268	0.00090818	0.09368538	-0.00921125	0.05389405	0.08869888	-0.08869888
ESCO1	0.02557183	0.04127377	0.1147043	0.06716095	-0.00629932	0.05822686	-0.2103999	0.2103999
ICAM2	0.01586971	-0.1214646	0.08851441	-0.00637058	0.08338682	0.03849836	0.3239959	-0.3239959
ANKIB1	-0.01143575	0.02459048	0.06249384	0.05182714	-0.04207435	0.08260485	-0.01842943	0.01842943
MBLAC1	-0.03456752	-0.0204619	-0.06092447	-0.02869222	-0.00349141	-0.01935856	-0.01615528	0.01615528
NOP10	-0.07519296	-0.00634564	0.01092595	-0.03647865	-0.01291802	0.03076143	-0.00228592	0.00228592
SIGLEC15	0.08702345	0.0112378	-0.0734423	0.0282119	-0.03275865	-0.01139901	-0.1023186	0.1023186
TMEM17	0.04819701	0.02513138	-0.02595336	-0.0351295	0.0406858	-0.03316728	0.1255804	-0.1255804
SETBP1	-0.03117514	-0.1576801	0.1403186	0.06682504	-0.00378659	0.04544137	0.4141306	-0.4141306
TMEM30B	0.00759638	-0.00543826	0.00153963	0.03919167	-0.06207088	0.1009461	-0.312241	0.312241
N4BP3	-0.06004748	-0.01579688	-0.04655408	-0.04545838	-0.01030067	0.01707541	0.03983826	-0.03983826
ITPRIPL1	-0.01096906	0.1074239	-0.02005176	-0.02315207	0.0093292	-0.01740783	0.0680928	-0.0680928
UBE4B	0.04274884	0.00292726	-0.01484137	0.1007393	0.03649727	0.02247664	-0.04565928	0.04565928
CKMT1A	-0.0120505	0.09835815	-0.07854901	0.02935643	-0.05207831	-0.0215476	-0.2585869	0.2585869
TMEM33	-0.03975441	0.03045828	0.1688654	0.02791469	-0.03974761	0.1142248	-0.2280402	0.2280402
SEMA5B	-0.01918727	-0.02634357	0.05898586	-0.01881973	0.07662813	0.06317566	0.2467726	-0.2467726
SLC26A3	0.04883611	0.01512006	0.02729784	0.07181978	-0.06134962	0.02895499	-0.1161413	0.1161413
HOXA4	-0.04652736	-0.1680366	0.08497923	0.01534112	-0.01607946	-0.00626894	0.3777453	-0.3777453
CRCP	0.02020626	-0.03119817	0.05817296	0.03601139	0.02681199	0.0693029	-0.06670787	0.06670787
EBF3	0.00690064	-0.1324598	0.1276908	0.02675944	0.02597588	-0.00934386	0.3782084	-0.3782084
FBRS	0.08659557	0.008485	-0.00623661	0.03889714	0.07051469	0.04830122	0.00274245	-0.00274245
SHQ1	-0.03545074	0.01371253	0.04590205	0.00408811	-0.02480783	0.02753382	-0.1334589	0.1334589
WDR5B	0.04476548	-0.00522239	0.04998195	0.06040061	-0.03024031	0.09008126	-0.1015714	0.1015714
PCTP	0.01504407	-0.01291642	0.03932001	-0.03098843	0.00992385	0.00188427	-0.04363284	0.04363284
SLC38A7	0.1023043	0.04267616	0.158975	0.01126843	0.0486056	0.08691943	0.02642438	-0.02642438
SMIM26	-0.04342875	0.05793969	0.0312586	-0.06429821	-0.1199182	-0.00639639	-0.09440813	0.09440813
SCCPDH	0.05703503	0.01289548	0.06545615	0.02073093	0.05543861	0.06046302	-0.1507453	0.1507453
SLC9A2	0.03247242	-0.1143359	-0.05229679	-0.01901048	-0.02672156	-0.07650918	-0.2193737	0.2193737
ARID4A	0.04068525	-0.01370097	0.2464072	0.1243571	0.00492509	0.1342311	0.02060897	-0.02060897
OFD1	-0.1338287	0.09830834	0.0654102	0.02021272	-0.00352226	0.07488016	-0.1228573	0.1228573
ZNF865	0.02726409	-0.02227328	0.01775678	-0.00991272	0.06323557	0.03721662	0.1347456	-0.1347456
SMTNL2	-0.0224651	0.01588622	-0.00194747	-0.03552309	-0.05386887	-0.03234361	-0.04714383	0.04714383
DCUN1D5	-0.06804646	0.07200341	0.06861151	-0.00304842	0.03913861	0.06520275	-0.1751421	0.1751421
ARMC6	-0.0064744	0.05429241	0.02962702	-0.03640015	-0.00457493	0.04343607	-0.1513746	0.1513746
SNAP25	-0.08716075	-0.05123053	-0.04142676	-0.00640472	-0.04451333	-0.01280888	0.05383668	-0.05383668
ACLY	0.05191718	0.04699342	0.01572761	0.03330882	-0.00205488	0.04836231	-0.05420167	0.05420167
MLEC	0.00524607	0.09519312	-0.02728812	-0.03136934	0.03117816	0.01520095	-0.2484317	0.2484317
GREB1	0.06738429	-0.1185532	0.03520405	0.07435478	0.00134699	0.03918667	0.2230774	-0.2230774
KCNAB3	0.02160781	0.02083987	0.08591794	0.01566143	0.06527803	0.06992749	-0.00764504	0.00764504
RHOT2	0.03459961	0.0726326	-0.00237014	0.00170055	-0.02479033	0.01049703	-0.1358102	0.1358102
ENDOD1	-0.00611267	-0.04841084	0.1256503	0.08229965	0.06998626	0.1202658	0.02192898	-0.02192898
HAPLN1	-0.05845119	-0.00418861	0.08110236	-0.03916444	-0.01979446	0.01464363	-0.1379049	0.1379049
HSP90AB1	0.05687347	0.1160181	0.00513948	-0.02316179	-0.03883879	0.0004844	-0.1625348	0.1625348
TMEM185B	-0.01205698	0.01584551	-0.00530432	-0.00316164	0.03656321	0.03184543	-0.02802452	0.02802452
CACNB2	0.01341363	-0.1155151	0.06671589	0.04976331	0.01352306	-0.01284924	0.3222704	-0.3222704
GLTP	0.02504627	-0.06791452	-0.0975052	-0.06149955	-0.05108561	-0.04240536	-0.02191743	0.02191743
RPL22	0.03690101	-0.08563511	0.1588601	0.08771243	0.03151828	0.1473424	-0.05646422	0.05646422
TRIM11	0.02291909	0.06618995	0.05958007	-0.00531608	0.03856441	0.07531938	-0.1554939	0.1554939
TBPL1	0.06153961	0.05983641	-0.01541085	-0.08659994	0.02117756	-0.02452948	-0.0679681	0.0679681
METTL21A	0.02446329	-0.05341861	0.02130282	-0.06013491	-0.02850755	-0.02262869	-0.07531719	0.07531719
ABHD18	0.06382057	0.01159779	0.07890086	0.05557156	-0.00786734	0.08652219	-0.1664534	0.1664534
MADCAM1	0.01615269	-0.190882	-0.03265295	-0.02539294	0.01740394	-0.00625648	0.1103856	-0.1103856
ZNF280B	-0.03372845	0.03356004	-0.02904512	-0.0545116	0.02612971	-0.00947369	-0.00874004	0.00874004
CBLB	0.06730304	0.05576577	0.09674389	0.1354744	-0.01408114	0.09102333	-0.0258098	0.0258098
GRK6	-0.05658082	0.08175686	-0.04039979	0.00043001	0.07494095	0.01026768	-0.04503895	0.04503895
CDH23	-0.01388961	-0.08885881	0.03071752	0.09401244	-0.00800403	0.06688144	0.1804375	-0.1804375
ATP6V1B2	-0.06969631	0.09066939	0.07818204	-0.00175447	-0.07225266	-0.05144153	-0.00626141	0.00626141
ERFL	-0.05498906	0.04469881	0.1009491	0.03186393	0.00264376	0.0764363	0.05180647	-0.05180647

FIZ1	0.03372232	0.01102138	-0.09989802	-0.03879693	-0.0031949	-0.02355006	-0.00813775	0.00813775
CBWD1	-0.0220938	0.05843864	0.00190898	-0.08631445	-0.0352086	-0.05792231	-0.07035578	0.07035578
GIT1	0.00455169	0.08838313	0.08504475	-0.04602633	0.1114032	0.05992842	-0.09134449	0.09134449
ZDHH11	0.1298938	0.05024128	-0.07125573	-0.01820859	0.07898745	0.01698075	-0.1832212	0.1832212
VWCE	0.08013159	0.01856331	0.00611525	0.05488804	0.03339261	0.03463079	0.01134131	-0.01134131
ZSCAN32	-0.05252643	0.02290057	0.02270547	0.0011828	0.06348678	0.00619499	0.02874309	-0.02874309
LYPD3	0.04238972	-0.02645467	-0.1405632	-0.05605828	-0.0176525	-0.04685586	-0.06447844	0.06447844
CHEK2	-0.1073326	0.1777731	-0.02160918	-0.09188017	-0.0014747	-0.03338736	-0.2679514	0.2679514
DVL3	0.03492059	-0.02510478	0.06386396	0.02486682	-0.00823744	0.05691532	0.07801481	-0.07801481
IRF2	0.00468693	0.06418882	0.06548793	-0.01628748	0.0032471	0.02788741	-0.05916388	0.05916388
RAI1	0.02010016	0.01374883	0.05693965	0.01982558	0.01216074	0.09432264	0.04141006	-0.04141006
CAPN9	0.1159208	-0.03600219	-0.07379594	0.02606727	-0.06500276	-0.00723453	-0.1156855	0.1156855
MDM1	0.00568112	-0.00065918	0.1153482	0.04812664	0.01499356	0.0793513	0.1209539	-0.1209539
GFM1	-0.01776916	0.02959166	0.1680669	0.08148957	-0.01147319	0.07001748	-0.2261752	0.2261752
ARHGFE10L	0.08734194	0.1379579	-0.07801123	-0.07866367	0.06380488	-0.03284404	-0.118126	0.118126
NEK1	-0.03302668	-0.09185249	0.182186	0.108651	0.00243898	0.06287392	0.116621	-0.116621
ITSN1	-0.02560102	-0.04744037	0.1710377	0.1036977	0.02955373	0.06636598	0.1644983	-0.1644983
IFT27	0.07538336	-0.07152776	-0.05991227	-0.00471118	0.00117816	0.00123479	0.09823775	-0.09823775
ZNF85	0.04532756	-0.08918308	0.1119062	0.06618995	0.05006355	0.07429846	-0.05023115	0.05023115
LAPTM4A	0.03097159	-0.06006027	0.1794877	0.1271318	0.03233882	0.07700397	0.2561312	-0.2561312
PPP1R13B	0.109205	0.00699349	0.01551739	0.04585684	0.02193298	0.09604667	-0.173694	0.173694
GET1	-0.0304739	0.02389016	-0.02809248	-0.03329306	0.06272616	-0.01897118	-0.0798749	0.0798749
TRMU	-0.03895392	0.1561881	-0.02154097	-0.00157316	0.03156047	0.04263512	-0.2555037	0.2555037
OXSM	-0.1210768	0.1712001	-0.04150269	-0.03828629	0.01523317	-0.00111441	-0.3220311	0.3220311
COL21A1	-0.03494635	-0.1334247	0.05768723	0.07238976	0.01617037	-0.00556106	0.2675536	-0.2675536
CAPN5	-0.01905534	0.04509798	-0.0207238	0.0574122	-0.0568999	0.02891769	-0.2052961	0.2052961
TGFBR1	0.04537717	-0.1084113	0.1969336	0.1318728	-0.01171618	0.09915782	0.3150561	-0.3150561
THUMP3	-0.07415969	0.01656469	0.07612936	0.04424091	0.02121326	0.06709633	-0.1400142	0.1400142
MS4A7	0.01547345	0.0205719	0.2171406	0.1536113	0.02148927	0.02141604	0.236864	-0.236864
BCDIN3D	-0.07025038	-0.05434336	0.03229429	-0.02478919	-0.01085255	0.01709478	-0.1070046	0.1070046
LRG1	0.01864906	0.03746575	-0.0601423	0.03346282	-0.08728671	-0.01627375	-0.1681747	0.1681747
TNRC18	0.07327703	0.00167991	0.1632733	0.05024418	-0.0129945	0.1072775	-0.02244247	0.02244247
DDX50	0.01950479	-0.00417652	0.156428	0.09811733	0.01049267	0.128161	-0.02794468	0.02794468
ABCA10	0.05502845	-0.09678175	0.1149471	0.05516235	0.01097184	0.03888225	0.1624738	-0.1624738
CLEC14A	0.05645379	-0.09011674	0.1364178	0.0338136	0.04153568	0.03974982	0.4613943	-0.4613943
HPS6	-0.1164993	0.00924204	-0.08583565	-0.05029842	-0.02174759	-0.00716125	-0.00288425	0.00288425
HSD17B10	-0.06643113	0.04537113	-0.04759899	-0.1111666	-0.01849402	-0.01569415	-0.1561666	0.1561666
KRT86	-0.00335034	-0.01108554	-0.02104206	0.041637	-0.02935376	0.04712861	0.1799755	-0.1799755
WIPI2	0.06084986	0.03953177	0.06934395	-0.01635216	0.00097206	0.00522118	-0.026573	0.026573
SNX32	-0.04238941	-0.02705724	-0.04156925	0.08525577	0.08402392	0.04760023	0.00461316	-0.00461316
ADGRL4	0.08803644	0.01107952	0.1553294	0.06480968	0.04056858	0.01804137	0.3237926	-0.3237926
CLDN18	0.1326537	-0.05861497	-0.01681521	-0.00487198	-0.03998784	-0.05562087	-0.1527944	0.1527944
HTRA4	-0.03399235	-0.05178123	0.1182266	0.0054623	0.00652365	0.05607854	0.07812765	-0.07812765
PMEPA1	0.05118119	0.02588978	-0.00438942	0.03238276	0.03919241	0.04655111	0.1647741	-0.1647741
TTC39C	0.04225045	-0.08481316	0.08032506	0.04087089	0.00051261	0.04637292	0.05342813	-0.05342813
ABCA5	0.1427397	0.1172861	-0.04729781	-0.02090046	-0.05949731	-0.02802961	-0.2040586	0.2040586
ITSN2	0.02355771	0.02032226	0.2078775	0.1280283	-0.00093564	0.1017139	-0.0635805	0.0635805
CLOCK	0.00324958	-0.03058517	0.09109954	0.06565789	0.02851367	0.06414393	-0.07668622	0.07668622
PARP4	-0.00212905	0.08138794	0.1167082	0.05740584	-0.02001805	0.1148066	-0.2284388	0.2284388
NLN	-0.01438227	0.04900023	0.1336318	0.06548106	0.0109024	0.1695804	-0.1259043	0.1259043
MMP2	0.07623286	-0.0068909	0.03982267	0.01797407	-0.02168062	-0.02392029	0.4664261	-0.4664261
ARRDC4	-0.02454496	-0.00589561	0.05987836	0.09002708	0.03178401	0.06857815	0.04238561	-0.04238561
CISD3	-0.08143244	0.03518284	-0.120757	-0.04220385	0.00322042	-0.04456416	-0.1366052	0.1366052
DDX6	-0.01620883	-0.04894074	0.2069971	0.1104796	-0.00212175	0.1318258	0.02766094	-0.02766094
RNGTT	0.01043644	0.01988427	0.1202428	0.1237877	0.03050663	0.09827896	-0.1185788	0.1185788
ATF5	0.03369277	0.0282033	-0.03344761	-0.07247407	-0.03692785	-0.03485277	-0.0233758	0.0233758
SLCO4A1	0.00357955	0.1022742	-0.01058676	-0.1071946	0.01738781	0.01682314	-0.1150563	0.1150563
BABAM1	0.00022423	0.01112874	0.04027894	-0.01421583	0.02408983	0.03316639	-0.0219589	0.0219589
CES4A	0.06312075	-0.00493488	-0.1342778	-0.03810659	0.00752904	-0.03957891	-0.1510317	0.1510317
ZNF681	-0.00709963	0.03642746	0.05730797	-0.02282365	-0.04712443	0.02494061	-0.1675746	0.1675746
P2RY13	0.02519852	0.00552521	0.1505074	0.04032353	-0.01112828	0.01282966	0.1332871	-0.1332871

CPOX	-0.05838744	0.0823151	0.09454481	0.02307443	-0.01424722	0.0603048	-0.2036643	0.2036643
PLD3	0.01848906	-0.03296876	-0.00152361	0.00814785	-0.01264659	0.00727609	0.1864853	-0.1864853
AARS2	0.06705723	0.1156247	-0.01245633	-0.02443191	-0.02343463	-0.01248699	-0.1088326	0.1088326
IFT81	0.09496237	-0.07420609	0.1040973	0.02339393	0.01837768	0.03954097	0.1289527	-0.1289527
EME1	-0.04770854	0.132245	-0.0074079	-0.0202893	0.03604074	0.04042752	-0.2572868	0.2572868
CHST5	0.03112952	0.1269493	-0.1024696	-0.05139963	0.00173586	-0.08173275	-0.1820132	0.1820132
PGBD5	0.01098771	-0.02786115	-0.06735643	-0.01359158	0.00797963	0.00671352	0.04366485	-0.04366485
NLGN4X	-0.06278937	-0.1176056	0.00748217	0.06634419	0.06213521	-0.01209868	0.1511566	-0.1511566
AKT2	0.00872041	-0.04518323	-0.04062508	-0.01105781	0.02791582	0.02764385	0.07950755	-0.07950755
EP300	-0.01902604	0.00370083	0.1418451	0.03199295	0.00532902	0.1099685	-0.04978711	0.04978711
PRKAR2B	-0.01356313	-0.1510311	0.07673929	0.08362377	0.04050769	-0.02986027	0.3237452	-0.3237452
MN1	-0.05570108	-0.09140805	0.1234735	0.04119619	-0.01953401	0.06046135	0.3560077	-0.3560077
DDIAS	-0.1391023	0.07398751	0.04775783	0.00984341	-0.04644919	0.06265719	-0.1926607	0.1926607
HCCS	-0.03455071	0.06570968	0.0421078	-0.04340207	0.04632913	0.03086787	-0.1540614	0.1540614
SERPING1	-0.0363459	-0.108532	0.1747725	0.04712765	0.03648653	0.02290378	0.6026049	-0.6026049
MTMR11	0.01910679	0.1109265	0.04484854	-0.01276104	0.0934337	0.06989124	-0.1083095	0.1083095
ANKRD18A	0.05209423	0.0612352	0.03011294	0.02300269	0.00185386	0.05439042	-0.09392581	0.09392581
CMTM8	-0.0612792	0.06113629	-0.1223561	-0.1044486	-0.02074398	-0.04434572	-0.2361979	0.2361979
MOB3B	0.00969463	0.07588559	0.08496027	0.00347561	-0.01763444	0.0092621	-0.122066	0.122066
NEK3	0.08794147	0.1126835	0.01367702	-0.02007964	-0.01041299	0.0060978	-0.1756192	0.1756192
LRRC47	0.01186307	-0.0269106	0.04906336	0.01275682	0.06087852	0.09445928	-0.07093344	0.07093344
RNF7	-0.05111523	0.03456777	0.04343063	0.05485138	-0.08259147	-0.01084002	-0.02077307	0.02077307
GCDH	-0.01925908	0.03200374	0.00028722	-0.02886069	0.00651319	0.01305165	-0.08663135	0.08663135
SEMA3B	0.06138734	0.05196645	-0.00086741	0.04561908	0.02385293	0.06123511	-0.08589587	0.08589587
AVPI1	-0.09533553	-0.04828829	-0.07790578	0.02728482	-0.02334809	0.0718055	-0.03390118	0.03390118
POU2F2	-0.08462537	-0.01976925	0.02563866	0.00281528	-0.00895877	0.04303069	0.02881744	-0.02881744
CDK4	-0.00411453	0.01412205	0.01125101	-0.02250332	-0.02576755	0.04501226	-0.00629449	0.00629449
RBM45	0.04289408	0.0148353	0.1386785	0.1246053	-0.0220738	0.1447283	-0.1328744	0.1328744
ARPC1B	0.02384543	0.02402993	-0.0202578	0.120116	-0.05149793	-0.01477425	0.03994977	-0.03994977
ZBTB37	0.0413908	-0.06500249	0.109649	0.0987246	0.04459816	0.04682788	0.09715135	-0.09715135
ZCCHC3	0.06870975	0.02737525	0.03766408	-0.00160368	-0.05720974	0.02524547	-0.07521538	0.07521538
FMO2	0.00688999	-0.03877474	-0.04762997	0.01241526	0.03469896	0.00804513	0.1079664	-0.1079664
GARNL3	-0.02909648	0.00543135	0.08098064	-0.03966951	0.02425841	-0.0352601	0.07373273	-0.07373273
NDC80	-0.0499842	0.09442708	0.01256912	0.00745998	-0.08021936	0.02705703	-0.30156	0.30156
OMP	-0.04671364	0.07656887	0.02673474	0.03043136	-0.1017181	0.01419001	-0.1843422	0.1843422
GLI4	0.01851999	0.09418072	-0.03194463	0.01139444	0.0346347	0.07120741	-0.1338921	0.1338921
SEC61A1	0.05798353	0.04941484	0.043982	0.0837829	-0.02972011	0.1004902	-0.08310794	0.08310794
SELENON	-0.03508423	-0.07088564	0.05935334	0.00379079	0.06118137	0.02835116	0.1467171	-0.1467171
NECAP2	0.04656863	0.04301925	0.06727604	0.03494379	0.05263609	0.0283169	0.08894297	-0.08894297
STEAP1	0.00852408	0.05278738	0.06170068	-0.03951297	0.03654598	-0.01086481	0.06487844	-0.06487844
ZBTB22	0.06650556	-0.01591216	-0.020735	0.00815099	-0.01097123	0.0016177	0.1543106	-0.1543106
BORCS6	-0.112845	0.03343967	0.02676726	-0.04341457	-0.01263702	0.03605698	0.06986326	-0.06986326
LILRB5	0.08186458	-0.03836585	0.1196117	0.02176956	-0.01657936	-0.00668979	0.08289688	-0.08289688
JMJD6	-0.08183223	0.04971594	0.02138673	-0.03885507	-0.00587302	-0.01346961	0.01038974	-0.01038974
SERTAD1	-0.01078667	-0.00109959	-0.03845973	-0.00311825	-0.06343856	-0.01847008	0.07306545	-0.07306545
GIMAP8	0.01603481	-0.0539047	0.204523	0.1050301	0.06530224	0.07495583	0.32196	-0.32196
LAMP2	0.1250828	0.07450626	0.05618553	0.00913788	0.00206705	-0.02836183	-0.07688226	0.07688226
UBA1	-0.2190036	0.06793578	0.04030278	-0.05501718	-0.03000048	0.0848064	-0.1243021	0.1243021
PGF	0.04797842	0.02656213	-0.03988855	-0.1062169	0.01388346	-0.05846577	0.2907017	-0.2907017
RARA	0.04651763	-0.03767717	-0.00154504	0.03149751	0.0002231	0.04947511	-0.01593624	0.01593624
ENTPD7	0.04254485	-0.00345624	0.04073865	0.08073186	-0.05621324	0.05958576	-0.1286654	0.1286654
HCN2	-0.06569423	-0.00076132	0.02654446	-0.04428967	-0.02888237	0.03478635	0.06734052	-0.06734052
METTL7A	0.08375607	-0.2715387	0.04238701	0.06828849	-0.03976369	-0.02644349	0.1781158	-0.1781158
AQP3	0.07457571	-0.03358649	-0.1820449	-0.09133771	0.00759051	-0.07360674	-0.09020162	0.09020162
CENPH	0.03756904	0.03011049	0.03825676	-0.02278034	-0.04712411	0.03254705	-0.2347328	0.2347328
FBN1	0.03172367	-0.05382313	0.1821093	0.1054612	0.00059047	0.01727455	0.5482423	-0.5482423
CCL7	-0.01850147	0.07641589	0.03074215	0.00826789	0.00259783	-0.04371249	0.1621954	-0.1621954
NOX1	0.03888114	0.09960982	0.08637864	0.0222728	0.00959799	0.0730261	-0.100955	0.100955
METTL18	-0.01387145	-0.07289523	0.07325845	-0.01571782	0.06119007	0.02830142	-0.01136054	0.01136054
RNF207	0.0728303	0.04091549	0.08816641	0.06018706	-0.01546118	0.07251321	-0.05908769	0.05908769
RP2	0.02022252	0.03782815	0.2124469	0.03899564	-0.05935592	0.1167112	-0.148948	0.148948

PIP4K2C	-0.02954936	0.1162776	0.03169704	-0.00168111	-0.00914946	0.04650954	-0.09088492	0.09088492
ZNF787	-0.06988343	0.02211663	-0.09977084	-0.1001388	-0.0199892	-0.05628927	-0.02441412	0.02441412
VEGFA	0.07387955	0.1776734	0.00070811	-0.0674696	0.02896206	0.00658437	-0.1265181	0.1265181
MAP4K4	0.08814407	-0.1081305	0.04302432	0.1029876	-0.0045584	0.07532352	0.1117765	-0.1117765
TMEM151A	-0.07510351	-0.01978502	-0.1097077	0.04945264	-0.04663548	0.07553227	-0.05068476	0.05068476
PRRG1	-0.00507912	0.05803856	0.1068272	0.05120028	0.06084151	0.08646398	-0.00056925	0.00056925
CYP2U1	-0.0064164	-0.1557431	0.1480058	0.1237223	0.04758249	0.01379782	0.4362697	-0.4362697
TANC2	-0.0626109	0.00661802	-0.0094851	0.04839592	-0.02094252	0.04760785	0.1783865	-0.1783865
GSKIP	-0.1075047	0.1855797	0.07597944	0.04632684	0.01614097	0.05297137	-0.3404029	0.3404029
P2RY8	-0.06113989	-0.01083608	0.02729154	0.00297817	-0.0017584	0.04199663	0.00581025	-0.00581025
RIOX1	-0.03008558	0.0134085	0.00991326	0.0221303	0.1164937	0.09723356	-0.02532124	0.02532124
RPA1	-0.00375181	0.01579469	0.09936818	0.06573002	-0.02923586	0.05303348	-0.1155764	0.1155764
LHPP	-0.02067124	0.02963829	-0.1047335	-0.01788931	-0.0323794	-0.00458633	0.0163864	-0.0163864
FOXA2	0.05925911	0.02105083	-0.05971905	-0.07147197	-0.1025925	-0.07483211	-0.1357954	0.1357954
ICOS	-0.03411318	0.05560402	0.1909516	0.07862496	0.0087456	0.0902941	-0.00864943	0.00864943
CCDC34	0.00939211	0.00399954	0.09243308	0.01567581	-0.01559613	0.05047009	-0.1112869	0.1112869
ACTL6A	-0.06541395	0.08708673	0.04968756	0.00800689	0.00243591	0.05679938	-0.1544441	0.1544441
PDHB	-0.09051954	0.07998479	0.05549788	0.01589267	-0.04976583	-0.03203677	-0.1239104	0.1239104
HLA-B	0.0530609	0.08134724	-0.03091946	0.01383373	-0.05228225	0.00710145	0.00513884	-0.00513884
AC010422.3	0.03665504	0.06445838	-0.1491267	-0.08692682	-0.05183016	-0.07409125	0.06824539	-0.06824539
OPLAH	-0.05053535	0.1745244	-0.09301358	-0.04330841	-0.073643	-0.06361377	-0.2521805	0.2521805
INTU	-0.01966663	-0.09198246	0.02616668	0.05245626	-0.04061777	-0.00879712	0.06642018	-0.06642018
SNRPA	-0.1174763	0.07354002	0.00265974	-0.05621493	0.03683266	0.02390575	-0.1509868	0.1509868
HPS4	0.05308898	-0.06300001	0.01129194	0.00450698	0.0057876	0.0284654	-0.0928447	0.0928447
MRI1	0.00396224	0.06647591	0.03055983	-0.03957511	0.1011642	0.01289081	-0.01625257	0.01625257
CES3	0.00082776	0.2525212	-0.2044569	-0.07342114	0.02178382	-0.129288	-0.2549068	0.2549068
GPRC5D	0.03085901	-0.00263154	0.07659711	0.02155503	-0.00735938	0.05170586	-0.1069498	0.1069498
FAM124A	-0.05671645	-0.161704	0.1413386	0.02810749	0.08525508	-0.0423509	0.3779003	-0.3779003
FXYD3	-0.01612913	0.04622389	-0.05656571	-0.02673402	0.00142369	-0.00358584	-0.1564111	0.1564111
ERCC3	-0.01344338	0.1207926	0.07848242	0.04287298	0.00422732	0.0367508	-0.08614896	0.08614896
ZNF763	0.0842322	-0.02536994	0.01172913	-0.00447462	0.03708362	-0.00814164	-0.02715324	0.02715324
SLC41A3	0.05816386	-0.02482504	0.01332228	0.02904063	-0.00011394	0.0762788	0.04012437	-0.04012437
CSTF2T	-0.03131075	-0.05005238	0.05236821	-0.04411392	0.08012748	-0.00927571	0.1335449	-0.1335449
IFIH1	-0.05424909	0.1175767	0.1770026	-0.00546004	-0.00753047	0.07031794	0.03942513	-0.03942513
ST3GAL1	0.09242034	0.0085957	0.03741839	0.04833576	0.1289325	0.08247929	0.1462018	-0.1462018
ZNF607	-0.01182292	0.06323836	0.03282986	0.05036933	0.02011876	0.04215093	-0.1413625	0.1413625
LRRC19	0.00023381	0.05340027	0.08531232	-0.01693711	-0.04062978	-0.00823019	-0.1046449	0.1046449
PLAA	0.01579524	0.05271091	0.07422942	-0.03187384	-0.07752963	0.02138039	-0.06349434	0.06349434
EHD4	0.01574559	0.00390367	0.05162172	0.01287264	0.00423508	0.06528308	0.00949987	-0.00949987
SLN	-0.03906357	0.03235507	0.05027931	0.02407585	-0.03770662	0.00479616	0.207889	-0.207889
TNFAIP8L3	-0.05862098	-0.1055319	0.03701431	0.07171708	-0.01793892	0.01729747	0.2644679	-0.2644679
SEC11C	-0.02275927	0.091977	0.00875853	0.01089023	-0.08268327	0.01493328	-0.08045185	0.08045185
CAPN2	0.08358434	-0.00344016	0.08810332	0.05400867	0.03186838	0.08518819	0.06820775	-0.06820775
KRCC1	0.03277994	-0.03179773	-0.02870078	0.02391077	0.09592008	-0.06641462	-0.01328922	0.01328922
RRP7A	-0.03301985	0.03753046	-0.00552123	-0.07380369	0.05387908	0.018301	-0.1146186	0.1146186
RSPH3	0.02116106	0.05403816	0.0297319	0.01760501	-0.02195637	-0.00159106	-0.117191	0.117191
EIF6	0.02199781	0.101096	-0.07232737	-0.01050308	-0.03606081	0.00564048	-0.1648777	0.1648777
TCEA3	-0.01486716	0.03463179	-0.1342594	-0.00788444	-0.000195	-0.1307236	-0.1535395	0.1535395
INSM1	-0.03481673	-0.00401535	-0.07584161	0.04067895	-0.03303094	-0.00687493	-0.01268877	0.01268877
SPINK4	0.07137127	0.02239286	-0.01774782	0.00280235	-0.05461798	0.03743949	0.00936653	-0.00936653
ATXN7L3B	0.0171529	-0.05212412	0.03910256	0.08411756	-0.00533532	0.0953026	-0.1136341	0.1136341
FBXL16	-0.08572848	0.07051885	-0.00487405	0.00746863	-0.06952394	-0.00812331	0.03490471	-0.03490471
GATM	0.04429635	-0.04407526	0.02914206	-0.02913545	0.03005331	-0.02588126	-0.04386465	0.04386465
LONP2	-0.02346237	0.00742117	0.1955731	0.08270595	0.1044236	0.09250403	0.00615433	-0.00615433
PYCR3	-0.03441468	0.07373078	-0.00926917	-0.02544726	-0.00114578	0.0176611	-0.1303867	0.1303867
SEC24B	-0.05338771	-0.00702235	0.09341394	0.06385326	0.02760306	0.09358069	-0.06222107	0.06222107
AMD1	-0.03675108	0.08235807	0.07925701	0.03470762	0.005008	0.06598897	-0.2713133	0.2713133
VPS26B	0.00984865	-0.02419252	0.07432833	-0.0346489	-0.03397992	0.02723623	-0.0123081	0.0123081
TDRD6	0.01600305	0.03174721	0.182153	0.07562051	0.02203265	0.09521851	0.05158893	-0.05158893
LAP3	-0.03566807	0.08238729	0.154617	0.02381447	0.00997016	0.08488884	-0.02042192	0.02042192
NFXL1	-0.00262672	0.07427989	0.07729657	0.01473817	-0.07034667	0.0799325	-0.2562815	0.2562815

SFRP2	-0.01094411	-0.1199792	0.1373762	0.0661796	-0.00204396	-0.01910416	0.5306564	-0.5306564
CELFI	0.02637532	-0.00815156	0.1521128	0.04711555	8.21E-05	0.1468128	-0.04482938	0.04482938
TEX261	0.09701928	0.03556903	0.01348758	0.02250454	0.01124188	0.04314215	-0.1271349	0.1271349
DPH7	-0.02802013	0.116668	0.04598056	-0.00178274	-0.00067732	0.08455592	-0.1074814	0.1074814
PPM1H	0.1111732	0.03037392	0.06844222	-0.03550127	-0.0402515	0.02164843	-0.02136184	0.02136184
CCDC121	0.03462733	-0.05726195	0.0047435	-0.01283274	-0.04136741	-0.0475403	0.03702061	-0.03702061
KDM5D	0.501611	-0.09061994	0.07978206	0.1082156	0.00290002	0.01274966	0.05253841	-0.05253841
TSTA3	-0.06229796	0.145115	-0.1268982	-0.06331399	-0.1072034	-0.1290318	-0.2437979	0.2437979
MED16	-0.00997893	0.05567175	-0.01585186	-0.06340525	-0.01704204	-0.03900664	-0.03917121	0.03917121
ACTR1B	0.02137266	0.04114376	-0.06285316	-0.09306693	-0.01151133	-0.09064456	-0.00902959	0.00902959
TSN	0.03505522	0.08472137	0.06005764	0.01144305	0.01001041	0.01227563	-0.2530203	0.2530203
SMDT1	-0.05185307	-0.06068947	-0.04352847	-0.06156186	-0.03290184	-0.07125656	0.02206153	-0.02206153
TCF12	-0.00458151	0.06273355	0.04614713	-0.06938659	0.01127043	-0.03077751	-0.00594033	0.00594033
UQCRC2	0.02323451	0.09083395	0.07088786	0.01683438	0.00273533	0.00451642	-0.2561624	0.2561624
DEDD2	-0.07831164	0.04294479	-0.05392766	-0.03140493	-0.03204034	0.00386011	0.00468984	-0.00468984
FAR2	-0.03160413	0.1086942	0.034139	0.07010859	0.0434004	0.04680045	-0.1404855	0.1404855
ITGB1BP2	-0.02669961	-0.147942	0.095476	0.02098718	-0.03273582	-0.02951926	0.2819026	-0.2819026
FEN1	-0.07067195	0.1001295	-0.00557622	-0.05538799	0.02777961	0.06254733	-0.2089934	0.2089934
ZDHH8	-0.02277916	-0.00573228	0.1035014	0.00118109	0.01623188	0.08795085	0.1150048	-0.1150048
RASGRF2	0.01007477	-0.0134596	0.1257106	0.08036926	0.08769544	0.02434186	0.409395	-0.409395
QRICH2	0.05473125	0.01025246	-0.04530325	-0.02251942	0.08553509	-0.000654	-0.03813352	0.03813352
SRRM3	-0.07334889	0.00832885	-0.03644939	-0.02410231	-0.00842974	0.02915235	0.1413825	-0.1413825
ADAM19	-0.01105781	-0.07029521	0.1826974	0.07604229	0.02242387	0.1031951	0.424787	-0.424787
SGSH	0.0740909	0.0347817	0.08684928	0.1177888	0.03907423	0.08282991	0.02055126	-0.02055126
FOXN3	0.02616338	-0.1666372	0.1623032	0.07041068	0.01388103	0.00738243	0.3295533	-0.3295533
INSR	0.08386351	0.05743197	0.1117815	-0.00140731	0.1158255	0.04332334	0.09131194	-0.09131194
ZMYM3	0.06402204	-0.03550914	0.0118946	-0.00495844	0.07316304	0.05722715	-0.05817764	0.05817764
OBSL1	0.03987005	-0.07759719	-0.00339549	-0.03017273	0.01583268	0.0137256	0.1238814	-0.1238814
GAST	-0.04338142	-0.03024156	0.00916103	0.07343648	-0.03321316	0.06668835	-0.02753732	0.02753732
CADM1	0.0619242	0.01401191	-0.07551819	-0.0311598	-0.05380417	-0.04891876	0.1046493	-0.1046493
ORMDL2	0.00809974	-0.00789775	0.00966917	-0.0322732	-0.00916101	0.0976118	-0.02900688	0.02900688
ERI1	-0.07915694	0.03626006	0.0191228	-0.03356666	-0.07307373	-0.02216112	-0.07607188	0.07607188
SERF2	0.01853963	0.02550644	-0.05458966	-0.03546364	-0.09472571	-0.0725865	-0.01835426	0.01835426
NUDT22	-0.04231293	0.08234896	-0.1105738	-0.09207927	-0.03178691	-0.04018891	-0.03509179	0.03509179
SMC1A	-0.2237839	0.04983311	0.07119905	-0.02858031	-0.00545192	0.09167906	-0.2060805	0.2060805
KCTD5	-0.01746994	0.09307434	0.02539337	-0.01965815	-0.02683428	-0.00655813	-0.1703661	0.1703661
ZNF707	0.01060586	0.05782747	-0.02384013	-0.03049466	0.01932079	0.03364072	-0.04805344	0.04805344
GPR65	-0.06172788	-0.04144685	0.2247698	0.11213	0.04859801	0.05090203	0.248667	-0.248667
AP4M1	-0.01164912	0.06091831	-0.07219905	-0.00488097	-0.04307344	-0.03647383	-0.06280367	0.06280367
RNASE2	0.03086916	0.07836384	0.1367972	-0.00055595	0.03807877	-0.1336619	0.1204158	-0.1204158
CEACAM18	0.00514327	0.02125363	-0.00371501	0.03279279	-0.01680526	0.1282778	-0.1447045	0.1447045
ACAT1	-0.154618	-0.02038804	0.1378958	-0.00252925	-0.01925554	-0.02123201	-0.1144878	0.1144878
PSTK	0.04282801	-0.06313588	-0.0139358	0.04083473	-0.00701762	0.04806259	-0.1457961	0.1457961
ASB3	-0.0126107	-0.05842797	0.09145864	0.05014984	-0.02366439	0.02897329	0.09926494	-0.09926494
LRRC3	-0.03340238	0.0054426	0.09065407	0.02986539	0.01839019	0.03614027	0.1574374	-0.1574374
GPAM	0.03283087	-0.05064242	-0.02137772	0.02247764	-0.04028894	0.00308118	-0.08264984	0.08264984
PEX19	0.04955929	-0.06726426	0.02213808	0.04249437	0.04567791	-0.00012414	-0.06360792	0.06360792
PCSK1N	0.03154511	-0.09251057	-0.04445903	0.00647972	-0.0236286	0.01841178	0.03611687	-0.03611687
FYTTD1	-0.03719527	-0.04028897	0.1548119	0.06803307	-0.04245296	0.04587696	0.07721706	-0.07721706
PFDN2	-0.1181963	0.06221965	0.01678565	-0.05474318	0.02929556	0.01030362	-0.03025623	0.03025623
KALRN	0.04839305	-0.1379233	0.1427464	0.08907407	-0.03543377	0.1143082	0.00104912	-0.00104912
MTMR12	0.08182059	0.00905027	-0.01338807	-0.03014055	-0.02787191	-0.05386989	0.02605432	-0.02605432
CSPG5	-0.1783658	-0.03745462	0.09418995	-0.0081104	-0.01314895	0.06321298	0.02485172	-0.02485172
GCNT7	0.1181307	0.0110487	0.05447322	0.03090388	0.0137575	0.02525278	-0.00534212	0.00534212
ZNF44	0.1143355	0.05606616	0.07117868	-0.00305888	0.03635102	0.01011031	-0.09171569	0.09171569
PRUNE1	0.04526932	0.03223467	-0.03352143	-0.02571124	0.01427979	-0.05149025	-0.06918407	0.06918407
AHCYL1	0.02204087	-0.04840914	0.07958649	0.02019066	0.03326022	0.0420337	-0.09063334	0.09063334
EIF5A1	-0.144321	0.08787794	0.00350359	-0.08261473	-0.05167057	0.00061389	-0.09875879	0.09875879
DHRS7B	0.05612342	0.07097784	-0.01397843	-0.07795864	-0.07408636	-0.03757681	-0.1016623	0.1016623
CMTR2	0.00885928	0.05899783	0.1131081	0.08532606	0.0432743	0.1363104	-0.2021924	0.2021924
ARFGEF2	0.08691955	0.07253859	0.1006021	0.08212084	-0.01299466	0.1121383	-0.2566838	0.2566838

HOOK1	0.0465034	0.08885425	0.00395791	-0.00582484	-0.06903056	0.00803264	-0.3570745	0.3570745
FGF1	-0.02083288	-0.1294546	0.09651647	-0.00248481	0.00658825	-0.03374785	0.4329478	-0.4329478
VMO1	-0.04026598	-0.06309125	0.1013294	0.06441559	0.1125247	0.1337829	-0.02009161	0.02009161
SLC25A36	-0.01827154	0.02350946	0.1047217	0.09095192	-0.03733295	0.07812167	-0.05295392	0.05295392
DNAJB6	0.00780425	-0.02886239	0.1459694	0.02411271	-0.03057781	0.01967314	0.08062462	-0.08062462
TMEM63A	0.149205	0.133344	-0.00969823	-0.01635476	0.0176677	0.00248784	-0.2052889	0.2052889
PARP10	-0.02126807	0.1399189	-0.00146953	-0.06490989	-0.01711559	0.00996442	-0.04730453	0.04730453
AHCTF1	0.00353936	0.02621134	0.1864366	0.0559725	0.00610563	0.1025515	-0.1921041	0.1921041
ZNF615	-0.06430418	-0.00184404	0.1401526	0.08011955	0.00734913	0.04346138	0.1061044	-0.1061044
CSNK2B	-0.1354441	0.08753066	-0.09190121	-0.03447761	-0.03867396	-0.04651019	-0.113413	0.113413
CDK2	-0.058928	0.05318472	0.02727866	-0.00227754	0.08933766	0.05770786	-0.1306461	0.1306461
CTSV	-0.0742725	0.03782272	0.00921651	-0.01519264	-0.02075185	-0.02238229	0.06091319	-0.06091319
INSIG1	0.08259405	0.08137938	0.06544816	-0.02321692	0.09616311	0.06112988	-0.1979845	0.1979845
MINDY2	-0.01392009	-0.06985664	0.1809683	0.01794197	0.0404385	0.03636831	0.2598076	-0.2598076
NDRG2	0.07783553	-0.02344906	-0.1451793	-0.1144549	0.1081593	-0.1275685	0.00468689	-0.00468689
NFX1	-0.01158309	0.09756279	0.02443417	0.00655612	0.02848258	0.1029938	-0.1465355	0.1465355
MYO7B	0.06172778	0.100535	-0.03420395	-0.01442765	0.0707838	-0.00401952	-0.2166664	0.2166664
ZNF200	-0.06368087	0.1130569	0.02382757	0.01633566	0.00261347	-0.00117403	-0.1447789	0.1447789
ELOC	-0.04342871	0.023802	-0.03854959	-0.04544923	-0.08423158	-0.02034467	-0.1239824	0.1239824
CEP97	-0.01354079	-0.01436768	0.1108276	0.02446951	-0.05365859	0.1036308	0.00247742	-0.00247742
GINS3	-0.07117602	0.1208088	0.03514982	-0.04094606	0.04828564	0.03528387	-0.22469	0.22469
DNA2	0.01450272	0.03639634	0.1007069	0.03885502	-0.01274732	0.09935522	-0.265589	0.265589
PTRH2	-0.05564678	0.1143096	0.01183787	-0.08164452	0.02288942	0.00264104	-0.09062278	0.09062278
NSUN7	0.1062698	-0.03987446	-0.02860899	-0.01131719	0.03092216	-0.00507667	-0.1907004	0.1907004
NPTXR	-0.02786651	-0.133252	0.0533907	0.04241808	-0.02108834	0.07574732	0.2434946	-0.2434946
RFK	-0.01258889	0.06108152	-0.01895652	-0.0764132	-0.07356694	-0.01035322	-0.2021537	0.2021537
GULP1	-0.03534339	-0.00645162	0.1078234	0.1568242	0.0056329	0.1549874	0.03108978	-0.03108978
ARNTL2	0.0517355	-0.01081295	0.0706572	0.1180246	0.00610132	0.1074818	-0.04900858	0.04900858
RPS17	-0.02496876	-0.05529721	-0.02210499	-0.06564638	-0.07785366	0.04125209	0.06500809	-0.06500809
TMED3	0.07561486	0.03477785	-0.04579606	0.02083786	-0.06623851	-0.01228291	-0.1265781	0.1265781
IFT46	0.01157828	-0.06979743	0.0474715	0.03331117	-0.02050855	-0.0211231	0.1383841	-0.1383841
PTPN11	0.0081893	-0.05385518	0.1698348	0.04195988	0.02416251	0.0774516	0.00459687	-0.00459687
RFX2	0.05797651	-0.0608278	0.02249574	-0.04993359	0.01640393	-0.0113738	0.164883	-0.164883
SLC50A1	0.00563351	0.1058716	-0.09346004	-0.06049453	-0.01034854	-0.03967588	-0.1741547	0.1741547
NUDCD1	-0.02710266	0.1168333	0.1026177	0.04923095	0.02154713	0.0781795	-0.1577383	0.1577383
CS	-0.03634347	0.0445088	0.04318688	0.01562674	0.00562118	0.08488166	-0.2020941	0.2020941
ZNF12	0.1079217	0.03257509	0.2036977	0.08451126	0.01562298	0.1212256	-0.09492284	0.09492284
PJA2	0.01183962	-0.09867947	0.191744	0.1364514	0.03535246	0.02200766	0.28067	-0.28067
B3GLCT	-0.1228307	0.05292084	0.157429	0.03571466	0.04060212	0.1163371	0.1437813	-0.1437813
RAD1	-0.0295035	0.09353783	0.00480591	-0.07539715	-0.03853239	-0.00030779	-0.05155895	0.05155895
DNASE1L3	0.01656352	-0.08183457	0.02980559	-0.00965726	0.02582301	0.03040505	-0.06471556	0.06471556
SLC22A23	0.1061034	0.0636392	-0.09390785	0.03400899	0.01265616	-0.00684628	-0.2714372	0.2714372
KLHL18	-0.0722165	0.04234494	0.08554589	0.01462272	0.01519599	0.08885257	-0.1462183	0.1462183
FAM91A1	0.04281689	0.1169706	0.07662585	0.06757476	-0.00347296	0.1077846	-0.1436815	0.1436815
UQCRH	-0.06400141	0.1009094	-0.07611284	-0.0091649	-0.04310138	-0.04916575	-0.2871972	0.2871972
USP39	-0.04895331	0.1059486	0.01515877	-0.01227422	0.04187385	0.02066519	-0.152884	0.152884
TDRD10	-0.07546609	-0.1333231	0.1400568	-0.01764959	0.02211342	0.02756928	0.2616889	-0.2616889
GZMH	0.01140632	0.01255368	0.1644883	-0.05952928	-0.01254511	0.06659564	0.09941656	-0.09941656
FCGR1B	-0.00725009	0.05319421	0.1943226	0.05962653	-0.00628875	-0.00663528	0.2465565	-0.2465565
AP1S3	-0.03754472	0.03008538	0.08592744	0.03595668	0.02400069	0.08479466	-0.1350929	0.1350929
FMO3	0.03135991	0.06949599	0.02727823	0.0585833	-0.00922331	0.0208798	-0.04386293	0.04386293
FAAH	0.03184945	0.1911659	-0.1031136	-0.08306277	-0.00131838	-0.02213628	-0.3197506	0.3197506
PPIL2	0.01763402	0.04543544	-0.00775703	-0.02594609	0.02275898	0.04560338	-0.04935013	0.04935013
ZNF211	-0.00316818	0.1243888	0.0414361	0.01832477	0.01783524	0.01082311	-0.07159193	0.07159193
COMMD2	0.01172026	-0.00328273	0.1489806	0.1086964	-0.02169974	0.06624328	-0.00633421	0.00633421
NAGA	-0.01923723	0.04933655	0.09933301	-0.02168959	0.0220143	-0.01816559	0.03777456	-0.03777456
CCDC110	-0.07264709	0.00708013	-0.04094076	-0.02237151	-0.05768783	-0.03299606	0.03171581	-0.03171581
LMNB2	-0.04961651	0.0615162	0.02781452	-0.0816129	0.00231057	0.0416248	-0.1790111	0.1790111
PLCH2	0.02523194	0.0394945	-0.04124584	0.0117456	-0.01228745	-0.01736041	-0.09740191	0.09740191
ARL3	-0.0542468	-0.1153816	-0.01350287	0.01401354	-0.05780786	-0.0023243	0.2766872	-0.2766872
RSP02	-0.00962324	-0.05444261	0.04912224	0.06175898	-0.05895931	0.03572925	0.2140876	-0.2140876

SUPV3L1	-0.06774799	0.07861361	0.1147447	0.01068482	0.01404199	0.09174423	-0.2372484	0.2372484
FBXL19	0.05613054	0.03202938	0.00525726	0.00102474	0.1068682	0.00805379	-0.08060163	0.08060163
ULK4	-0.05214667	0.0629466	0.04443479	-0.0524267	-0.0257492	0.00504632	-0.09373315	0.09373315
CA3	0.1213216	-0.0455677	-0.01908758	0.04140895	0.04028579	0.02592328	-0.04742526	0.04742526
NDUFA11	-0.1198567	-0.03684841	0.01371959	-0.06841694	-0.06932238	-0.0187137	0.06829723	-0.06829723
RAPGEF4	0.02702136	0.05588014	0.01892882	0.01390449	0.0286879	0.05667712	-0.022706	0.022706
HOXA11	-0.1572196	0.1568109	0.03984876	0.01445648	-0.00410993	-0.00468342	-0.1563825	0.1563825
CCT8	-0.06019587	0.0455052	0.01552527	-0.02296012	0.02466803	0.04404488	-0.2800891	0.2800891
PRRG3	-0.07391721	-0.06747984	0.00328484	-0.04858344	-0.02364087	-0.01834118	0.07562681	-0.07562681
ZHX3	0.06234636	-0.07706015	0.07773623	0.02062801	-0.04779916	0.0041961	0.1517374	-0.1517374
RGL2	0.1246323	0.08511256	-0.07475248	0.01072691	0.05119255	-0.04254826	-0.04164533	0.04164533
TIA1	0.06097568	0.1507714	0.1238603	0.09121526	-0.01319762	0.07083709	-0.1280608	0.1280608
GPX2	0.1061232	0.03676902	-0.01389871	0.00759417	-0.02471192	0.07971629	-0.1911959	0.1911959
SUDS3	0.01225542	-0.03227129	0.134222	-0.01435551	-0.0209401	0.108267	-0.1275627	0.1275627
NDUFC1	-0.05138278	0.01124731	-0.1052386	-0.04695738	-0.01863752	-0.01983749	-0.1100337	0.1100337
TLCD2	0.0656856	-0.00113376	0.08404606	0.08438191	0.0013301	0.1006873	-0.1464744	0.1464744
TNFAIP8	-0.02799774	-0.1088808	0.1469154	0.08754765	0.00418974	0.02642171	0.2303787	-0.2303787
SWT1	-0.00835277	0.03490193	0.1041964	0.09068306	-0.03364839	0.05024943	-0.09192944	0.09192944
C1orf194	-0.00834324	0.00285088	-0.09936896	-0.1082513	0.03822661	-0.06333645	-0.0870324	0.0870324
PLPP7	-0.06727073	-0.1078752	0.03129407	0.00793463	-0.01115374	-0.08145493	0.4174887	-0.4174887
CRYBG2	0.05091933	-0.00839458	-0.1164807	-0.00223488	0.01297583	0.00991383	-0.1577759	0.1577759
SUN2	0.02545576	-0.07661298	0.06028854	0.03881018	0.04636179	0.04165932	0.2644629	-0.2644629
SLC35A2	0.08120246	0.109383	-0.01968792	-0.05439677	-0.01406979	0.04819751	-0.1612094	0.1612094
PDE6B	-0.04106492	-0.08764983	-0.04090691	-0.0815094	-0.03526353	-0.0546359	0.06655988	-0.06655988
CBX6	0.00441273	-0.1620686	0.07277143	-0.01528339	0.00181364	0.0370221	0.4232317	-0.4232317
ZNF33B	0.09562749	0.02318065	0.1537571	0.04778042	0.04669335	0.1194761	-0.09694425	0.09694425
FRG1	-0.09166894	-0.08492512	0.1365384	0.05626068	-0.00833012	0.05550272	0.02107058	-0.02107058
FHAD1	0.03737147	-0.00722955	0.0126687	0.02464169	-0.01585981	0.08265329	-0.09965118	0.09965118
HIST1H2AG	-0.06123377	-0.0469927	0.00724374	-0.01679534	-0.01245333	-0.00905664	-0.1010682	0.1010682
MYC	-0.1185949	0.00946277	0.09199951	-0.06083678	0.02772386	0.04987031	-0.1449977	0.1449977
MAP3K11	0.0461473	0.0562587	-0.06207375	-0.02612007	-0.00591647	0.02731641	-0.1308561	0.1308561
KRT80	0.05020943	0.02026324	-0.07792752	-0.02451957	0.01671112	0.01688228	0.0665127	-0.0665127
RCC2	0.03282389	0.01424007	0.04957312	0.00707112	0.06183834	0.07098463	-0.1306832	0.1306832
TRAPPC6B	0.06853131	0.04576449	0.1403167	0.1038752	0.00671762	0.1129619	-0.06244088	0.06244088
GAR1	-0.08139297	0.07475185	0.1087087	0.01759106	-0.01063999	0.09375069	-0.2196981	0.2196981
LAMA4	0.02648035	-0.06985442	0.1659347	0.07553814	0.02281174	0.01913057	0.4709203	-0.4709203
DHTKD1	0.03031845	0.07496393	0.1293265	-0.01347428	0.1233901	0.07735823	-0.1955851	0.1955851
CD3D	-0.0809401	-0.03333391	0.1465952	-0.00759799	-0.01006958	0.08308041	0.11948	-0.11948
ZNF443	0.1163131	0.1330745	0.05204016	-0.04171492	-0.00017298	0.03775176	-0.1656673	0.1656673
PSMG2	-0.08162273	0.03622837	0.08643456	-0.00207891	-0.02251569	0.01532041	-0.1093079	0.1093079
ZNF784	0.0184913	0.03382901	-0.1601105	-0.02646394	0.0122552	-0.06735162	0.00482751	-0.00482751
SPATS2	0.0439104	0.02647427	0.04519036	0.01315177	-0.00392396	0.05461601	-0.03848099	0.03848099
TDRP	-0.04561531	-0.04967903	-0.00823608	0.00697442	0.01225372	0.00401662	0.1863114	-0.1863114
RFTN1	-0.06521094	-0.06313634	0.102737	0.03932742	0.01365306	0.06833954	0.2202107	-0.2202107
MAP3K8	-0.03608502	0.1240152	0.06696446	-0.1142724	0.00491377	-0.06835277	-0.02227118	0.02227118
PTP4A1	0.04006852	-0.05055799	-0.03019778	0.04812487	-0.00656984	0.01441414	-0.1418241	0.1418241
TMEM237	-0.00723502	0.06260806	0.00722187	-0.03693039	-0.01104784	-0.02218304	0.00315291	-0.00315291
SOX15	-0.03816013	-0.03800622	-0.1385383	-0.03026903	-0.02537872	-0.07623919	0.04808296	-0.04808296
CDH5	0.06810868	-0.01160574	0.1172735	0.0506204	0.04293224	0.02812801	0.3622525	-0.3622525
MCCC1	0.01953095	0.01931229	0.02069338	0.08150615	0.01215455	0.02177592	-0.2423293	0.2423293
GID4	-0.1303514	-0.01356363	0.08062286	-0.03880597	-0.01442915	-0.05878066	0.1730167	-0.1730167
PRPF4	-0.0632258	0.08473948	0.0274462	-0.06601649	-0.00584869	0.02175417	-0.1957114	0.1957114
RASAL2	0.01867997	0.1013705	0.0593974	0.05576368	0.02856602	0.06769085	-0.01680977	0.01680977
SH3D19	0.04138766	-0.08372462	0.1310787	0.0394607	0.03295894	0.01000483	0.1133379	-0.1133379
CASTOR3	0.1106378	-0.02780207	-0.011393	0.05499471	-0.0179051	0.05634127	0.102847	-0.102847
TTL6	0.02772789	0.1132159	-0.03627865	0.02107023	-0.00852	0.04316479	-0.1370903	0.1370903
CDC73	-0.04348739	0.03200936	0.1814794	0.04214497	0.05199705	0.04038233	-0.160027	0.160027
FPGT	0.02716354	0.06487671	0.09828661	0.03011902	-0.0359081	0.07388638	-0.2348177	0.2348177
YRDC	-0.02447339	0.149488	0.02128	-0.04978628	-0.04826467	-0.01943468	-0.2241555	0.2241555
TET3	0.1140432	0.05748009	-0.005094	0.0678361	-0.03748208	0.03797607	-0.1997682	0.1997682
SRCIN1	0.06136858	0.06451503	-0.02572914	-0.04378362	6.13E-06	0.01017673	-0.1782291	0.1782291

CCT7	-0.09851437	0.08813969	0.03217762	-0.04156431	-0.04217945	0.044425	-0.1722824	0.1722824
LGR6	0.00106309	0.02582207	-0.00983944	-0.1273661	0.00278865	-0.05668129	-0.1010961	0.1010961
CCDC120	0.00722769	0.08196783	-0.03318511	-0.03390425	0.02939973	0.06427691	-0.1384879	0.1384879
ZBTB17	0.1152469	0.01062822	0.00040492	0.02911133	0.02525026	0.05613993	0.02475889	-0.02475889
APBB1	-0.05864461	-0.1493222	0.05719714	0.04140882	0.04834775	0.00545443	0.4205602	-0.4205602
RPS19BP1	-0.06440403	0.0998424	-0.03961348	-0.04208344	-0.01496406	0.00059273	-0.0314555	0.0314555
HPCA	-0.07380146	0.06166821	-0.0803084	0.02042246	-0.01168086	-0.02795409	-0.04279739	0.04279739
RIC3	-0.04187582	-0.1845139	0.01930009	0.01660576	0.04324179	-0.02329735	0.2829781	-0.2829781
DHX34	0.00416941	0.07710417	0.02742571	0.01936847	0.05129975	0.06020754	-0.1460829	0.1460829
SPINK5	0.03741719	-0.02796138	-0.1631156	-0.06570861	-0.03032066	-0.06936575	-0.09025167	0.09025167
PLXNA1	0.0741211	-0.01027749	0.0378263	0.0529795	-0.01128553	0.09909937	-0.0083677	0.0083677
SBK3	0.02955857	-0.09319301	-0.04532566	0.02040013	0.03149708	0.03916635	-0.00892312	0.00892312
MTREX	0.04647091	0.03059309	0.1336878	0.07486872	-0.04353374	0.1220978	-0.2020407	0.2020407
XRCC6	-0.06834524	0.07895647	0.02304003	-0.00436703	0.01935435	-0.02312125	-0.156077	0.156077
CREBRF	0.02370443	-0.09554186	0.2398553	0.1532054	0.07335797	0.1065238	0.3203014	-0.3203014
GPT2	0.08444134	-0.03530234	0.02167678	-0.04057277	0.04700343	0.0396792	-0.1270759	0.1270759
TXNDC5	0.03181477	0.01362528	0.05387264	0.09415685	0.0256922	0.1010787	0.1299404	-0.1299404
DCBLD1	-0.00021398	0.1261949	0.07724514	0.103487	0.05033201	0.06311926	0.06966537	-0.06966537
TMEM14C	0.00270591	0.02089814	0.0762871	0.01990294	0.02070869	0.00531558	-0.05089306	0.05089306
TIMP2	0.04515816	-0.09580907	0.1626751	0.07897274	0.00783875	0.05265462	0.6263078	-0.6263078
XIAP	0.03776526	0.02110761	0.1164407	0.03237472	-0.00671188	0.06312019	-0.1019287	0.1019287
PDCD10	-0.06521541	0.08680285	0.1039518	0.06731999	0.01342409	0.04476352	-0.2182081	0.2182081
FCGR3A	-0.04472859	0.0561004	0.2648387	0.119915	0.0348273	0.06452091	0.2145276	-0.2145276
ST14	0.04365344	0.1325083	-0.02977553	-0.02579545	-0.03113793	0.02078352	-0.2553582	0.2553582
IL17B	0.00355487	-0.1688369	0.05455072	-0.02385802	0.0025813	-0.02221382	0.4015509	-0.4015509
NFAT5	0.05201029	-0.00127531	0.1410627	-0.00452614	0.03549655	0.07853929	0.00987243	-0.00987243
CNKSR1	0.01452858	0.1328005	-0.09750456	0.01593506	-0.01534947	0.05638383	-0.2329969	0.2329969
TXNRD3	-0.1572262	0.05131014	0.1012469	-0.02524204	-0.028704	0.00195033	-0.003033	0.003033
C1QTNF7	-0.05323765	-0.1496153	0.1239577	0.07152014	-0.03000558	0.04647022	0.3782936	-0.3782936
REEP4	-0.1051319	0.1012247	-0.1486092	-0.08311939	-0.1039343	-0.08058847	-0.2269073	0.2269073
B9D2	-0.0370213	-0.03770994	0.04723455	-0.00154043	-0.04247305	0.00436874	0.1054875	-0.1054875
TMEM229B	-0.00098872	0.09621354	-0.04633523	-0.00483836	0.03175233	-0.01213148	-0.0808231	0.0808231
RPS21	-0.04559169	0.04148151	0.08972479	0.02711164	-0.06595634	0.09216519	-0.1249247	0.1249247
GRID1	-0.07464611	-0.08453275	0.05847416	0.04483864	-0.00447336	0.056838	0.2698976	-0.2698976
TRAF7	0.01179435	0.0423715	-0.01685945	-0.00278145	-0.00721938	0.0087454	-0.06819743	0.06819743
TBC1D7	0.1076426	0.02622218	-0.05461573	-0.07346086	0.01516305	-0.05684855	-0.1454797	0.1454797
MAMDC4	-0.02894514	0.111203	-0.00393543	-0.01572324	-0.01377158	-0.00446783	-0.07212109	0.07212109
ITGB1BP1	-0.1178568	-0.02653366	0.1314541	0.08332126	0.03557571	0.04712749	0.159441	-0.159441
PRPF38A	-0.0280193	0.0701028	0.04960352	0.00614523	0.00375717	0.0228667	-0.1558451	0.1558451
GPR37L1	0.03038339	-0.04631193	0.02451179	-0.03131872	0.09848926	0.09018396	-0.04525458	0.04525458
PHKG2	0.1012571	0.08383546	-0.03320536	0.01110486	0.07414151	-0.01105495	-0.1578705	0.1578705
MAP2K6	0.1204689	-0.0121233	0.0002907	-0.04030733	-0.03498928	-0.02848722	-0.1645257	0.1645257
GPRC5B	0.1121945	-0.1222196	0.01130164	0.07242571	0.04474325	0.05960942	0.01425146	-0.01425146
FRMD6	0.04590535	-0.119175	0.03917113	0.04336031	0.00325798	-0.06354474	0.4017162	-0.4017162
ARFGEF3	0.07842314	0.06309549	-0.00592206	0.03108227	-0.01376975	-0.00129673	-0.2322787	0.2322787
AKAP5	-0.07540908	-0.0126586	0.1420603	0.02883821	0.03369134	0.07447967	0.06121675	-0.06121675
ATP13A2	0.08388324	0.1310669	-0.04301623	-0.0256366	0.01297311	0.02200969	-0.2106735	0.2106735
BTBD10	-0.02897289	0.06998897	0.1352898	0.03738653	-0.01031171	0.06432014	-0.07584531	0.07584531
ZNF354B	0.01899832	0.09316442	0.169732	0.07099216	0.03746816	0.1054131	-0.05496113	0.05496113
PRICKLE4	0.05341004	0.03100866	-0.09337232	0.04391605	0.03223101	0.04066258	-0.1167904	0.1167904
ZNF267	0.07960851	0.1217725	0.2155539	0.1157936	0.1240621	0.1442574	-0.1116451	0.1116451
PSMC3	0.00825023	0.07603656	0.02018116	-0.01121458	-0.00923687	0.03566284	-0.02908668	0.02908668
GRK4	-0.03110974	-0.1533998	0.08805889	-0.01001094	-0.01678697	0.06847669	0.2463227	-0.2463227
LCA5	0.04740227	-0.04598763	0.1780323	0.07499917	0.04556912	0.08294145	0.2333817	-0.2333817
PNMA8B	-0.02619134	-0.122443	0.07137273	0.05015898	-0.01317313	0.01985768	0.4758556	-0.4758556
RBBP8NL	0.04720639	0.0632978	-0.00441049	-0.05505528	-0.06477928	-0.00607954	-0.1465651	0.1465651
SH3BP5	-0.00978918	-0.1570324	0.0991227	0.04264934	0.03737762	0.04543381	0.4016034	-0.4016034
GPR161	0.02925352	-0.08661936	0.1063492	-0.01476637	0.01000747	0.0047405	0.1926462	-0.1926462
AKAP3	-0.08569349	0.107894	-0.04416997	-0.07613473	-0.00451555	-0.07734866	-0.0461823	0.0461823
GPR180	0.00467955	0.07632608	0.08317246	0.0099284	-0.02248677	0.08145002	-0.1306783	0.1306783
MYL9	-0.06447139	-0.1561521	0.07906886	0.0030157	0.01001789	-0.05344691	0.3821422	-0.3821422

PHLDB2	-0.00879929	-0.1661311	0.1530146	0.129876	0.08347154	-0.00163054	0.421861	-0.421861
NAT1	-0.1119295	0.1131118	-0.08791705	0.04272048	-0.03442345	-0.01260501	-0.2540126	0.2540126
BAIAP2	0.07021752	-0.02774769	-0.1330794	-0.0254603	-0.01217125	0.02986501	0.0601236	-0.0601236
ITGAM	0.03788571	-0.01395216	0.1617284	0.03404834	0.05297008	0.00940536	0.2427975	-0.2427975
WHAMM	0.07807967	0.01950761	0.09487276	0.01030741	0.06326213	0.07641679	-0.0694193	0.0694193
ATG10	-0.02429664	0.07930881	0.1327411	0.06497564	-0.03569728	-0.01912006	0.07417689	-0.07417689
LTO1	0.06277278	0.06154438	0.04428337	-0.01281279	-0.01738247	0.03701113	-0.08883532	0.08883532
TES	-0.04264495	-0.07997884	0.1242114	0.1289839	-0.03074793	0.1153143	0.00484229	-0.00484229
GXYLT1	0.03103433	0.05020866	0.1100802	0.1630242	0.0141851	0.1597413	-0.145169	0.145169
SLC35G2	-0.06835523	0.02584051	0.03853295	0.04621461	0.02108658	0.06781168	0.1372967	-0.1372967
RSP01	-0.03844206	-0.1706604	0.1564416	0.06015419	-0.00890506	0.03178653	0.4040156	-0.4040156
RAP1B	-0.02076018	0.03841667	0.09079028	0.07605005	0.01159603	0.05481555	0.09504535	-0.09504535
TDO2	0.07490759	0.03610129	0.1024812	0.060126	-0.03222718	0.03976256	0.05903913	-0.05903913
MMP7	0.02991887	0.01086082	0.00928259	0.03544472	0.1278353	0.01588525	0.210662	-0.210662
GSTM2	-0.05758561	-0.1332006	-0.00521162	0.08850955	-0.02385051	0.07117944	0.1854926	-0.1854926
FAM192A	0.09975141	0.0879399	0.05693153	0.02706814	0.04243551	0.0426491	-0.1060947	0.1060947
PAK1IP1	-0.0398535	0.07083047	0.04734237	0.0183893	0.02427029	0.05648856	-0.2166433	0.2166433
CLEC2D	-0.07640752	-0.05137662	0.1446947	0.06825503	0.04567936	0.08038943	0.135884	-0.135884
ADCK5	0.00033409	0.2287654	-0.07143462	-0.02381541	-0.02222125	-0.03229362	-0.3027902	0.3027902
TCF21	0.04143661	-0.1755979	0.1223638	0.06317041	-0.04365096	-0.02007581	0.4559815	-0.4559815
CRELD2	-0.05850915	0.05400078	-0.01353732	0.04336987	0.02362155	0.02394851	-0.1153404	0.1153404
LRRK2	0.02043633	-0.08105366	0.09706832	0.06155949	0.02834063	-0.0221764	0.2690582	-0.2690582
CDS1	0.05714215	0.1588351	-0.0543776	-0.03888547	-0.05090492	-0.02897259	-0.4099553	0.4099553
CLDN11	0.05308477	-0.1077467	-0.02140969	-0.00402665	-0.03602597	-0.00471854	0.2876294	-0.2876294
BHLHB9	0.0176782	-0.06096345	0.08467056	-0.00414421	0.00632275	-0.01662142	0.1384644	-0.1384644
ATG16L1	0.06931853	0.0151376	0.04946928	0.00968399	0.04766094	0.07694361	-0.1832748	0.1832748
COPS3	-0.0848004	0.06314685	0.07163676	-0.00515387	-0.02443927	0.0067485	-0.1445664	0.1445664
SPC24	-0.01609628	-0.00759041	-0.04097529	-0.1219872	-0.03005916	-0.03145063	-0.1627627	0.1627627
UXT	-0.00818801	-0.02668719	-0.04137054	-0.1150585	0.00738376	-0.00371792	0.012294	-0.012294
ALDH2	-0.05759567	0.01168682	-0.0844987	-0.02813241	-0.01224322	-0.07663399	-0.1715099	0.1715099
NDUFS1	-0.02716666	0.05718505	0.06441893	0.02626005	-0.01935676	0.04756062	-0.2281507	0.2281507
EVC2	-0.03440394	-0.1227781	0.06404892	0.08661246	0.02695043	0.04498758	0.3825441	-0.3825441
RPL37A	-0.0378078	-0.04137087	-0.03749	-0.03578496	-0.07685987	0.04166404	0.00802434	-0.00802434
NR2C2AP	-0.0470199	0.1166212	-0.00555951	-0.167261	0.003121	-0.0465656	-0.1399762	0.1399762
CA5B	-0.08844181	-0.1247957	0.1340328	-0.00807129	0.07018418	0.09047524	0.2061143	-0.2061143
COG2	0.09332105	0.04983608	0.09613244	0.04605714	0.04689876	0.07119687	-0.1927061	0.1927061
UBE2Q2	0.04351952	-0.09000695	0.1243793	0.08775512	0.03537985	0.03472415	0.211646	-0.211646
TPRG1	0.07397623	-0.07987837	-0.1017015	-0.1024261	-0.01225906	-0.05684738	-0.01162126	0.01162126
SEN7	-0.0227171	-0.01392976	0.1513749	0.09890351	0.05119642	0.06802022	0.1710724	-0.1710724
THOC5	-0.02460934	-0.00585316	0.07585399	0.03207284	-0.01558002	0.05688726	0.08123575	-0.08123575
PGAM4	-0.08246838	-0.03691145	-0.09648565	-0.08593691	0.03525921	-0.04374823	0.160633	-0.160633
TMED8	-0.04210825	-0.01127725	0.07277739	0.03875518	-0.00313243	0.03765511	-0.01785093	0.01785093
CSPP1	0.06793383	0.03586435	0.09331015	0.05490133	-0.04760223	0.06995071	-0.2123171	0.2123171
TMTC2	0.01720653	-0.09866239	0.1308482	0.00664832	0.03816415	-0.02266412	0.08732091	-0.08732091
POLE	0.03118729	0.05116396	0.02922089	0.00649915	0.06230321	0.064396	-0.1841899	0.1841899
LIPT1	-0.01941486	0.05456335	0.1367669	0.05207874	-0.03293117	-0.00180985	-0.03329854	0.03329854
SYNC	-0.03188625	-0.1677209	0.1065053	0.00092322	-0.02900303	-0.0186305	0.4254495	-0.4254495
TUSC3	-0.06710403	0.00994543	-0.0704577	0.01404861	0.00235528	-0.0509087	0.06010028	-0.06010028
NMI	-0.03560975	0.189866	0.1434384	0.02743091	-0.01688293	0.06449618	-0.1510626	0.1510626
C14orf132	-0.01816184	-0.1767589	0.09766851	0.05175932	-0.03519749	0.0294247	0.439433	-0.439433
IARS2	-0.08185253	0.08842241	0.1381247	0.02710788	0.00608546	0.00679407	-0.3239149	0.3239149
NOS1AP	0.01419193	0.04616879	-0.04869404	0.04260331	0.1271336	-0.03376801	-0.1893699	0.1893699
MAST3	-0.07709697	0.0343679	0.1029572	-0.01402492	0.00228254	0.07406437	-0.07416918	0.07416918
WNT2B	0.06543622	-0.07863851	0.0747648	0.01423965	-0.05037614	-0.01557556	0.3051014	-0.3051014
ACAP3	0.09195702	0.01524232	-0.0745115	0.04392069	0.04993281	0.00997633	-0.06979414	0.06979414
SLC16A13	0.01268086	0.04120882	-0.05481281	-0.09975493	0.0449942	-0.01537906	-0.1082735	0.1082735
NSA2	-0.08449684	0.02626163	0.1512129	0.1066862	0.00137129	0.0740423	-0.01043412	0.01043412
SMARCB1	-0.02926917	0.07477217	-0.1012233	-0.08201933	-0.01420099	-0.03694123	-0.06496266	0.06496266
SLC25A39	-0.03556146	0.1088266	-0.08169283	-0.06139379	0.1133602	0.01749074	-0.2253288	0.2253288
ZNF675	0.02581127	0.097516	0.02424154	-0.03066449	-0.02888221	-0.00676456	-0.1932099	0.1932099
SNX17	-0.02292642	-0.05191236	0.00247096	0.0511649	-0.00550489	0.03923176	0.07848561	-0.07848561

PIK3C3	-0.04879414	0.04520793	0.1998227	0.08738323	0.0316826	0.08805261	0.02672781	-0.02672781
CYTL1	0.1071251	-0.07317902	0.1121448	0.08251536	0.02663779	-0.1277972	0.3153682	-0.3153682
POLDIP3	-0.00584951	-0.00117851	0.02222948	-0.05334133	0.03973863	0.02444129	-0.03187474	0.03187474
IGF1	0.01714628	-0.1302412	0.09686721	0.0787756	-0.01680046	-0.05802985	0.3707697	-0.3707697
FAM189B	-0.06767656	-0.01612256	-0.01221336	-0.02427032	-0.00927183	0.01021711	-0.1505268	0.1505268
RPLP2	-0.08050269	0.00832508	0.08209219	0.04234092	-0.06854937	0.104246	-0.02926267	0.02926267
PLA2G1B	-0.1173825	-0.02732438	0.00422688	-0.01868056	-0.02643949	-0.08447935	-0.01635973	0.01635973
LAMB2	0.01910887	-0.09309932	0.09243717	0.04555717	0.0077192	0.06228888	0.3405604	-0.3405604
ORC3	-0.07463466	0.07838399	0.06538435	0.04614355	0.02824142	0.03343806	-0.131651	0.131651
CAMK2N2	0.0805834	-0.04701831	0.01058568	0.07650608	-0.01876515	0.08757915	0.05908847	-0.05908847
OASL	-0.01337858	0.05322701	0.07950185	-0.02191848	0.01439241	0.05557682	0.03363684	-0.03363684
S100A7	-0.0593051	-0.02080492	-0.0464877	-0.02743876	-0.03807283	0.01185519	-0.00990014	0.00990014
LACTB	-0.04088369	0.1229546	0.2029389	-0.0331522	-0.00334819	0.04468958	-0.06050909	0.06050909
TULP3	-0.08235718	-0.03625951	0.06688393	0.07079789	-0.02222753	0.04050852	0.2249936	-0.2249936
WDR89	-0.0579398	0.03306137	0.1067337	0.06556363	0.0137196	0.1585172	-0.1786584	0.1786584
FAM160B2	0.02610578	0.00827827	0.03796764	-0.01268772	-0.0416647	-0.00220416	0.08395558	-0.08395558
CNTRL	-0.01460663	0.0343742	0.1196498	0.05578658	0.01813231	0.07515	-0.0603212	0.0603212
SMAGP	-0.00645049	0.02665973	-0.1338831	-0.1409848	0.01888603	-0.06169404	-0.244559	0.244559
HSD17B8	-0.00280189	0.03902871	-0.1011676	-0.01178087	-0.01109903	-0.01512572	-0.07234219	0.07234219
FAM136A	-0.06431675	0.1760946	0.01109863	-0.03367154	-0.03930636	0.00468434	-0.2589049	0.2589049
HCST	-0.0269582	-0.08562878	0.1224403	-0.02738278	-0.00232161	0.02392079	0.2919544	-0.2919544
TSPAN12	0.08657766	0.08921016	0.08843879	0.01787608	0.06099985	0.00650527	-0.2146385	0.2146385
RPLP1	0.02105018	-0.00456715	-0.02215696	-0.01868202	-0.08609033	0.05679267	0.05634373	-0.05634373
SKI	0.02898481	-0.08774877	0.1426734	0.06400671	0.02006251	0.115409	0.2968802	-0.2968802
GUF1	0.01309878	0.1171355	0.08832239	-0.02375135	-0.00418942	0.04114024	-0.2339737	0.2339737
GPRC5C	0.01829795	0.01582172	-0.1201931	-0.02874431	-0.01275891	-0.02860479	-0.1965884	0.1965884
RCN2	0.03203131	-0.00508797	0.01867254	0.043172	-0.04201706	0.02408301	-0.07543905	0.07543905
SLC16A4	-0.03181322	-0.04514068	0.1048636	0.08348209	0.09890563	0.0471705	0.1938617	-0.1938617
HDAC4	0.0611044	-0.1126422	0.01329081	-0.00500678	-0.00038855	-0.03366448	0.1749772	-0.1749772
ZNF561	0.02848604	0.02111921	0.09481699	0.01492179	-0.04042811	0.03676779	-0.06507128	0.06507128
ASCL2	0.00116512	0.1670194	-0.08841464	-0.1596079	-0.01535631	-0.07195621	-0.1010164	0.1010164
SNX11	0.01845577	0.04031346	0.01811896	0.01753419	-0.00175333	0.04655456	0.07277694	-0.07277694
TADA1	-0.04767357	0.05812301	0.05863617	-0.00369238	0.06112093	0.01094484	-0.2326954	0.2326954
ZBTB40	0.04188055	0.00645594	0.1077326	0.09552358	0.01128763	0.1408999	0.03097796	-0.03097796
TMEM107	-0.07545134	0.02754406	0.03911435	-0.02787119	-0.03413536	0.02240462	0.04147185	-0.04147185
FBXL3	0.02988773	0.01550997	0.1836826	0.1282177	-0.01999522	0.1350211	0.01799125	-0.01799125
FITM2	0.0679879	0.00404708	0.024564	0.02840739	-0.00885158	0.04230714	-0.1159871	0.1159871
SPTLC3	0.06849517	-0.02344953	0.05004921	-0.00618661	0.04153519	0.0228515	-0.1251326	0.1251326
SNN	-0.01185457	-0.06019151	0.0147347	0.06059753	0.03274496	-0.02095838	0.2090517	-0.2090517
WBP1L	0.02455151	-0.1299117	0.08575835	0.09054283	0.00521813	0.01520623	0.4024695	-0.4024695
ARC	-0.09900788	0.03264935	-0.01766899	0.1037881	0.00545447	0.06232097	-0.01747639	0.01747639
MAG11	0.1259966	-0.07554663	-0.01026327	0.03468772	0.02795124	-0.0660865	-0.06789847	0.06789847
TEC	-0.00050401	5.31E-05	0.01397438	-0.01508096	-0.01691837	0.02859305	-0.1302895	0.1302895
ARPC5	-0.03359777	0.03058522	0.1362841	0.00951707	-0.00298359	-0.0096996	-0.1219941	0.1219941
FHDC1	0.1263369	-0.0301785	-0.01312246	-0.06528646	-0.01668065	0.00624211	-0.1805551	0.1805551
ASPA	-0.00379487	-0.1822837	0.1211578	0.1207905	-0.00412567	0.001214	0.2648578	-0.2648578
LRATD2	0.07349877	5.83E-05	0.00569197	0.08357087	-0.01305829	0.1125714	-0.09353648	0.09353648
LINGO1	0.04142155	-0.04603054	-0.04007652	-0.1099459	-0.0336867	-0.01902117	0.01783936	-0.01783936
SFXN1	-0.09546061	0.1719213	0.0576968	0.0317184	0.03035887	0.09738923	-0.192327	0.192327
BCHE	-0.04026597	-0.1132054	0.0127339	-0.00299279	0.02313924	-0.05817927	0.1591968	-0.1591968
ZFP3	-0.01252932	-0.04521809	-0.00263147	-0.04097525	-0.03597727	0.03854776	0.01011246	-0.01011246
GRAMD1B	-0.04503883	-0.04992286	0.05123449	0.08211683	-0.03154065	0.08931863	-0.08542041	0.08542041
CIC	0.04805073	0.00399883	0.02278229	0.05385351	0.05584773	0.05505087	0.1249258	-0.1249258
CEP19	-0.1028339	-0.06872146	0.0273404	-0.08452312	0.03728008	-0.01709212	0.09463502	-0.09463502
CLDN7	-0.07600116	0.1888498	-0.01291271	-0.04159062	-0.04024613	-0.00843416	-0.1794335	0.1794335
ZNRF1	0.05748443	0.00234688	0.01533195	-0.01012594	0.1007727	-0.00060178	-0.03535597	0.03535597
AC068580.4	0.02183892	0.03787169	0.00088861	-0.00255769	-0.01185529	-0.01960166	-0.03917356	0.03917356
LCP2	-0.00372295	0.05932473	0.1731258	0.05651071	0.00778123	0.03645834	0.1726114	-0.1726114
LDLRAD4	-0.00561607	-0.1062246	0.1741603	0.04083631	-0.02920031	0.06363968	0.3867466	-0.3867466
DBF4	-0.08845751	0.07762844	0.07138137	0.02334393	-0.03214156	0.08595263	-0.1507652	0.1507652
LONRF1	-0.06950036	-0.00471907	0.04295427	-0.00605719	-0.02978171	-0.00988806	0.09851319	-0.09851319

TADA3	-0.08477435	0.0065401	-0.1346047	-0.05380257	-0.00777114	-0.07830342	0.07290482	-0.07290482
ORA12	0.06252935	-0.08938448	0.02377473	0.07087469	0.01369582	0.08008887	0.2324818	-0.2324818
PHF7	-0.0605148	0.06271401	0.01084154	-0.1258229	0.00343346	-0.09320078	-0.1026952	0.1026952
HGD	0.1381667	-0.06828673	-0.07935642	0.06081653	-0.07718039	0.03825029	-0.13939	0.13939
GNL3L	0.03009499	-0.1044295	0.1704884	0.00680442	0.06483412	0.1504876	0.06577208	-0.06577208
MPC2	0.01799715	-0.0296285	-0.05032894	-0.04775636	0.06727757	-0.1078011	-0.1563798	0.1563798
TLDC2	0.066897	0.08103014	0.04290932	-0.04044438	0.09082689	0.03749279	-0.1375996	0.1375996
MAP2K4	-0.00114437	-0.01990194	0.1102008	0.06362564	-0.01830233	0.04126409	-0.09652398	0.09652398
GATC	-0.03166452	-0.02641169	0.1065705	-0.02141704	-0.0415845	0.0626554	-0.1465555	0.1465555
LIG4	0.03694347	0.08133827	0.06349308	0.09142471	-0.02287283	0.07585469	-0.1224003	0.1224003
LTV1	-0.01282371	0.02078596	0.1012853	-0.0103762	-0.00583719	0.04628516	-0.1956142	0.1956142
PRDM8	-0.1181175	-0.08265335	0.03342012	0.01936803	0.1062001	-0.0550746	0.3053933	-0.3053933
ILRUN	0.08583672	0.01425299	0.07300418	0.02568017	0.02395333	0.04220627	-0.02734631	0.02734631
ZNF337	0.08705097	0.0697933	0.04242446	0.0400173	-0.04521828	0.04249528	-0.03568956	0.03568956
NBEAL1	0.05233497	0.03609831	0.03772184	0.09948721	-0.04720158	0.08407483	-0.1325846	0.1325846
ZNF738	0.01029053	0.05608521	0.01592561	-0.01082002	0.09363097	-0.01308528	-0.1156091	0.1156091
KCNMB1	-0.03753976	-0.1514386	0.09757778	0.02437077	0.01350006	-0.05138404	0.3702059	-0.3702059
BLNK	-0.00784429	-0.03222927	-0.02642905	0.01545753	-0.02724333	0.0063072	-0.1306374	0.1306374
EVC	-0.03222992	-0.1601795	0.1086049	0.07027355	0.01105392	0.05953041	0.5182851	-0.5182851
SEPTIN2	0.02701996	0.02702942	0.1511213	0.08671386	0.05689962	0.03636478	0.0704907	-0.0704907
APOC1	-0.00226462	-0.1091129	0.06953954	-0.0190018	-0.0271856	-0.00059056	0.07577969	-0.07577969
TMEM168	0.02987492	0.2056888	0.08172391	0.06935447	0.00809621	-0.01653391	-0.2536095	0.2536095
NOS2	-0.03084437	0.217265	-0.06595569	-0.09934489	0.01316436	-0.05693699	-0.1440417	0.1440417
MUC12	0.07301713	0.07454298	-0.09816988	-0.01456334	-0.03585902	-0.1131041	-0.02566553	0.02566553
YIF1B	-0.04822957	0.09546661	-0.09171644	-0.08316279	-0.02006903	-0.0342694	-0.01404479	0.01404479
FAN1	0.1016547	-0.0144969	0.09193189	0.03385577	-0.00071863	0.0965545	-0.1075978	0.1075978
EFNB3	-0.03177861	-0.05170178	0.02972591	0.00463248	0.05927239	0.1030914	0.1910611	-0.1910611
TM6SF1	-0.02379848	-0.05460325	0.2239792	0.08304996	0.0482965	0.0453951	0.3818276	-0.3818276
PRKCQ	-0.02611737	-0.06994883	0.1473045	0.04135297	0.0229664	0.1125086	0.03650686	-0.03650686
SGPP2	-0.00144706	0.0712959	-0.02163039	-0.02171289	0.01621845	0.01099988	-0.2719252	0.2719252
AZIN2	-0.04915906	-0.1556938	0.100055	0.05046091	0.03647614	0.07857491	0.4326359	-0.4326359
LARGE2	0.0434251	0.169684	-0.01653802	-0.04774473	-0.0338192	-0.0352374	-0.08722365	0.08722365
SH3BP4	0.1091071	0.08760007	-0.1010429	-0.04632805	-0.0016979	-0.04160808	-0.02847212	0.02847212
PIGP	0.04954961	-0.1219075	0.03153443	-0.03591124	-0.02626751	0.05448608	0.04247637	-0.04247637
HIST2H3D	-0.08284627	-0.02062773	-0.01734716	-0.01907007	-0.02555925	0.01485385	-0.00420025	0.00420025
TSEN34	-0.08688909	0.09506196	-0.09463374	-0.1059261	-0.01547962	-0.08602289	-0.02827369	0.02827369
SP1	-0.00120888	0.05473468	0.1600514	0.0227915	0.01785793	0.1178783	-0.1089039	0.1089039
EIF4E	-0.01585364	0.06564281	0.02016826	-0.02477398	-0.03009934	0.03831683	-0.1857402	0.1857402
DYNLRB1	0.03448398	0.04021241	-0.05353842	-0.08673509	0.01009738	-0.02757556	0.1381629	-0.1381629
FRAT1	0.03118011	-0.01208697	-0.07695402	-0.08742698	0.03998657	-0.03974325	-0.08577789	0.08577789
CAPS	-0.02321538	-0.04507299	-0.06661096	-0.02881099	0.02192086	-0.04733291	0.0717429	-0.0717429
ATP11C	0.01927099	0.036276	0.2044977	0.1369209	0.04012245	0.1332847	0.01475838	-0.01475838
CBX7	-0.03093976	-0.1440958	0.1048986	0.03510169	0.01990238	0.00502559	0.3742896	-0.3742896
TMPPE	-0.03422304	0.02520188	0.1039258	0.03566918	-0.01443127	0.0532728	-0.1412676	0.1412676
KCTD12	-0.00125163	-0.0662717	0.07216165	0.04443587	-0.01773916	-0.03362583	0.2511363	-0.2511363
DIAPH3	0.00244563	0.03254035	0.03446895	-0.03619987	-0.040975	0.02781509	-0.2797413	0.2797413
SLFN11	0.01699685	-0.03705234	0.1093909	0.1065621	0.03438633	0.09886108	0.138926	-0.138926
SART3	0.02849001	0.02794599	0.08116788	0.01121399	0.04169844	0.09431643	-0.1160154	0.1160154
VPREB3	-0.07386799	-0.04147078	0.00024396	-0.00545667	-0.01251611	0.02986127	0.01465817	-0.01465817
CYBA	-0.08103579	0.07967867	-0.00660526	0.02745787	-0.05395292	0.05060807	0.00110521	-0.00110521
CCDC84	0.01303728	0.08006354	0.0479148	0.0605185	-0.04127694	0.05463762	-0.01464739	0.01464739
RUFY2	0.00471419	-0.03626453	0.171362	0.08606183	0.01269782	0.09799667	0.1297037	-0.1297037
IFRD1	0.05767659	0.1209913	0.02790548	-0.00351728	0.07495426	0.03992725	-0.1537313	0.1537313
HIST1H2AJ	-0.00449531	0.00784208	-0.0665519	-0.1089525	-0.07173871	-0.0095614	-0.07232219	0.07232219
PLK1	-0.1032566	0.06490713	-0.02022504	0.0302099	-0.01140473	0.04392739	-0.247043	0.247043
MBOAT4	-0.01167778	-0.09187067	-0.00659328	0.09185508	0.01397006	0.07684754	0.04042832	-0.04042832
AKR1C4	0.08265094	-0.02491245	0.01364801	0.06546252	-0.05132157	0.03366497	-0.1341396	0.1341396
STAG2	0.03956751	0.03028608	0.1539496	0.02362762	-0.00217148	0.08828014	-0.2016274	0.2016274
PDX1	0.04751612	0.04814468	-0.1076436	-0.04187771	0.02954464	-0.04841278	-0.2390303	0.2390303
CHMP4B	0.04668413	0.0258832	0.00766621	-0.09360352	0.05449479	-0.0283293	0.05728611	-0.05728611
IL20RB	0.01476125	-0.02983253	-0.1426992	-0.00418172	-0.0136875	-0.02759511	-0.07087488	0.07087488

SLC12A6	0.08401771	0.00556858	-0.01319678	0.01452038	0.00412062	0.01594832	-0.00583782	0.00583782
EIF4G2	0.03516014	-0.02589947	0.1466496	0.1011822	0.02393597	0.1371931	-0.02950544	0.02950544
ISYNA1	-0.1262273	0.03809447	0.04327271	0.00698475	0.0244888	0.06715092	0.00490236	-0.00490236
MBD1	-0.016531	0.04947478	0.0629728	-0.00116192	0.00355636	0.05621445	-0.00327188	0.00327188
SH3BP2	0.05648679	0.09677955	0.0455515	0.0338643	0.07587514	0.07125253	-0.02663825	0.02663825
C20orf202	0.06182688	-0.0041883	0.00566798	0.02576585	-0.00168635	-0.02705164	-0.03768842	0.03768842
HERPUD1	0.03924187	0.02248059	0.1454557	0.1394722	0.04444741	0.1187022	0.03543299	-0.03543299
PELI3	-0.1059589	-0.0400364	-0.04423842	-0.01682321	-0.01120715	-0.02074215	0.2555999	-0.2555999
EMP3	-0.08426273	-0.0586546	0.03309656	-0.03008694	0.02005501	0.02132414	0.2971947	-0.2971947
EXOSC1	-0.0168295	-0.02108482	-0.0497125	-0.05459609	-0.00160958	0.03044661	0.08289858	-0.08289858
HPDL	-0.01568932	-0.00668227	0.07067986	-0.00635044	-0.00510919	0.02716785	-0.2270854	0.2270854
CD180	-0.06899254	-0.05295793	-0.00163903	0.0299701	0.00721413	0.02869837	0.05559619	-0.05559619
MIF4GD	0.02709685	-0.03985591	-0.02079119	-0.09482281	0.1087506	-0.02975904	0.1136187	-0.1136187
RPAP2	-0.00722727	0.0114533	0.113324	0.09807119	0.08264521	0.02396075	-0.01293545	0.01293545
RAB7A	0.01002127	-0.01492535	0.06221832	0.00817349	-0.0175405	0.07176801	-0.00538959	0.00538959
GALNT2	0.07687742	-0.03329964	0.05685455	0.05974947	-0.00727859	0.04153777	0.08604539	-0.08604539
SIRT7	0.05097345	0.1042997	-0.07090141	0.00385313	-0.0272489	0.01233843	-0.2082029	0.2082029
TSHZ3	-0.01354979	-0.1201491	0.128491	0.02529961	-0.01126406	0.01011133	0.5404021	-0.5404021
SKIV2L	-0.00338243	0.08711311	-0.02242284	0.03189749	-0.00119031	0.02369413	-0.1114095	0.1114095
HCAR1	0.07364336	0.00652959	0.08487875	0.124016	0.03912117	0.155772	-0.0327782	0.0327782
DTX4	0.09392439	0.00947947	0.04211163	0.04317082	0.03095576	0.067969	-0.2291982	0.2291982
MXD4	0.01691313	-0.08917708	0.01375756	0.04251814	-0.04161795	0.00234584	0.1889573	-0.1889573
SNX2	-0.03035422	-0.06298525	0.1459735	0.1554156	-0.0054086	0.07921046	0.06495991	-0.06495991
CASP7	0.03903521	0.1471237	0.04543981	0.00967879	-0.07200935	0.00892609	-0.2661559	0.2661559
CIR1	-0.08184602	0.04183159	0.138708	0.1079864	-0.02708647	0.04212812	0.01299433	-0.01299433
OGG1	-0.0774949	0.02890902	-0.0335261	0.0157062	0.02392194	0.0202551	0.00069693	-0.00069693
FAM122A	-0.0755839	-0.04825553	0.04136784	0.01418958	0.0601644	0.03462638	0.08472475	-0.08472475
XKR9	0.03469199	0.1108183	0.07339172	0.0039516	-0.03392827	0.02956991	-0.1912294	0.1912294
WDR46	-0.01930239	0.08561822	0.04117846	0.06114897	0.00269364	0.07318204	-0.1029163	0.1029163
LRRC31	0.06794627	0.00646458	-0.04488839	0.01267603	-0.01133078	-0.06117793	-0.1360845	0.1360845
MRC2	0.019554	-0.08853875	0.1005559	0.04394467	-0.03926017	0.02868093	0.5595574	-0.5595574
PARP11	-0.0259276	0.02778982	0.205897	0.03409247	-0.02052786	0.12177	0.09185231	-0.09185231
PGS1	0.08487999	0.1016186	-0.01545445	0.02776352	0.04685434	0.03419619	0.06774477	-0.06774477
ARHGAP17	0.0192206	0.1044376	0.06551594	0.0584539	0.1869179	0.06725543	0.02121761	-0.02121761
HLA-DRB1	0.02342749	0.04873658	0.1239018	0.00876597	0.0013643	0.0528704	0.05543965	-0.05543965
FAM78A	-0.02884772	-0.05010203	0.1414857	0.04477066	0.03260982	0.06169456	0.230662	-0.230662
KCNK9	-0.0660818	0.1393136	-0.05822644	0.07276521	-0.04254193	0.08415858	0.02782664	-0.02782664
A1CF	0.09834781	0.00317837	-0.01075942	0.03524924	0.01513026	0.06618566	-0.2171021	0.2171021
EMC8	-0.08175288	0.1052625	0.05540576	-0.0018505	0.07817379	0.04068938	-0.2298111	0.2298111
SUSD5	-0.03035441	-0.1700056	0.08535094	0.08518546	0.01871736	-0.01025351	0.4176404	-0.4176404
TPK1	-0.00195123	0.1400141	0.1018542	0.0825746	0.0317451	0.05326889	-0.2101583	0.2101583
OPRL1	-0.0670323	-0.01653787	0.01321838	-0.01585255	-0.01822239	0.03950673	0.02277379	-0.02277379
MRPS10	0.02107172	0.1630498	-0.03602854	-0.06539941	-0.027358	-0.03315482	-0.1441299	0.1441299
FKBP5	-0.01723415	-0.03201248	0.09644272	0.05761506	0.01014096	0.02323373	0.194446	-0.194446
VIP	-0.1380418	-0.1162648	0.03752368	-0.09354844	-0.02723278	-0.0364398	0.2332081	-0.2332081
L1CAM	0.00488142	-0.04933224	0.09913352	0.05852932	0.03839903	0.1040947	0.08035699	-0.08035699
UBE3C	0.04908438	0.08197766	0.1042083	0.01204195	0.03585637	0.06181236	-0.1534596	0.1534596
C5orf63	0.1006503	0.06170082	-0.07481213	0.09553667	0.02911519	0.03497965	-0.07229953	0.07229953
SYTL3	0.02495261	0.03407208	0.1181567	0.01191546	0.06253679	0.05474836	0.1012357	-0.1012357
TYW1B	-0.0089631	0.01067291	0.0325904	-0.02620366	-1.56E-05	0.00159827	-0.00373417	0.00373417
GEN1	0.04195809	0.1643828	0.02309388	0.05823388	-0.00092742	0.08769014	-0.3158552	0.3158552
RSPRY1	0.02066941	0.07268867	0.1281534	0.06416899	0.06594986	0.06014765	-0.09736045	0.09736045
SNX25	-0.01506877	0.05808691	0.01121588	-0.07043326	0.02780468	-0.00140367	0.06722988	-0.06722988
LRSAM1	0.01997634	0.04156713	0.0292356	-0.03677799	0.03464372	0.05901107	0.04848836	-0.04848836
GALK1	0.04034552	0.06075979	-0.08075998	-0.02294121	-0.00537087	-0.01444794	-0.1011112	0.1011112
SNRPD1	-0.0556652	0.02812503	0.03955497	0.03752214	-0.0149566	0.04727567	-0.2255002	0.2255002
FCSK	0.08621087	0.1322867	-0.00341686	-0.04170027	0.1174025	-0.04200841	-0.2048888	0.2048888
MPND	0.01043139	0.04609857	-0.02237315	-0.09834024	-0.07302033	-0.06043766	0.03689123	-0.03689123
KRT14	-0.06703082	-0.00849911	-0.05299416	-0.01165457	-0.02037184	0.01117898	-0.04283003	0.04283003
CASP3	-0.0246923	0.154552	0.00860811	0.01207783	-0.01906087	0.01863779	-0.2856931	0.2856931
COMT	0.03899282	0.0216389	-0.07736294	-0.07933191	-0.01299112	-0.06279435	0.04320387	-0.04320387

AMDHD2	0.09174354	-0.02757356	0.04513556	-0.00798284	0.00598805	0.02471342	0.1428557	-0.1428557
SF1	0.00352432	0.04663562	0.02466287	0.04790087	0.01392718	0.09495338	-0.07578721	0.07578721
TTI2	-0.08742733	0.08754954	-0.0072082	-0.06033088	-0.03636085	-0.04878377	-0.1394091	0.1394091
HAUS7	-0.02561679	0.06424458	0.07053422	0.04337093	0.01671553	0.09884159	-0.1063386	0.1063386
C11orf96	0.03644079	-0.05687163	0.105497	0.01969994	0.04998024	-0.03198443	0.4986185	-0.4986185
EPHB1	0.06253575	-0.0178622	0.04009508	-0.03432066	-0.00953507	0.01479385	-0.04467616	0.04467616
PAPSS1	0.03114978	-0.00549379	-0.00692451	0.03460525	-0.0090469	-0.00208817	-0.05520044	0.05520044
NUS1	-0.05256122	0.09597513	0.1811688	0.1636094	0.02423572	0.1299627	-0.2253159	0.2253159
ERAP1	0.1100936	0.05489114	0.1289663	0.08160093	-0.01512598	0.08666406	-0.07787545	0.07787545
CCDC186	0.0878847	0.02892326	0.03740293	0.04372277	-0.04371126	0.05497596	-0.1983706	0.1983706
TMEM88	0.00888038	-0.1076865	0.1014748	0.01182595	-0.01299141	0.00716413	0.237332	-0.237332
ARHGFB39	-0.1231381	0.05976994	-0.08791801	-0.04906322	0.02015072	0.0592443	-0.2412228	0.2412228
NOTUM	0.07487592	0.09298815	-0.1388842	-0.1399834	-0.04764699	-0.1422003	-0.07949844	0.07949844
RHOBTB3	0.04262684	-0.1297826	0.01168345	-0.02871891	-0.02744679	-0.03968575	0.1367334	-0.1367334
FRZB	0.03232109	-0.1674614	0.1056626	0.06140474	0.08654911	-0.03677158	0.4202983	-0.4202983
MYO1E	0.02438504	0.1218287	0.02200485	0.00205095	0.09673902	0.08636984	-0.07940943	0.07940943
STAG1	0.01386979	0.04884228	0.1436499	0.08104109	-0.01679229	0.05740279	-0.05819642	0.05819642
PRR5L	-0.01572122	0.02750783	0.06898436	-0.01847818	0.08292576	0.06214097	0.09936669	-0.09936669
THOC7	-0.07639113	0.01328533	0.09056638	0.04188158	-0.02192045	-0.03518747	-0.1021606	0.1021606
AEBP2	0.02645361	0.01716607	0.129683	0.06953018	-0.02568331	0.1252515	-0.04075953	0.04075953
SLC25A4	-0.08649556	-0.09271209	-0.03542896	-0.05900272	-0.00988415	-0.09925744	0.2073085	-0.2073085
MRFAP1	-0.00456113	-0.02650014	0.00079667	0.00146081	-0.03541144	-0.01991593	0.04316773	-0.04316773
SLC2A3	0.09537232	-0.07545953	0.05924593	0.06423721	0.00990968	-0.01407813	0.1980496	-0.1980496
ZNF471	-0.0568024	-0.1195733	0.06738437	0.01940368	0.03443919	-0.04349955	0.2878717	-0.2878717
TRIOBP	0.05553082	-0.08552051	0.01011926	-0.0209015	-0.02851781	-0.03990713	0.1601844	-0.1601844
EPS8L3	0.0404536	0.1336143	-0.1070661	-0.1113288	-0.01354128	-0.03812555	-0.3228818	0.3228818
PPP4R3A	0.03660126	0.05550468	0.1179101	0.08280064	0.07409839	0.1315811	-0.2328571	0.2328571
S100A13	-0.00425886	0.00028083	0.00605093	0.03187478	0.01706709	0.00320615	0.1197333	-0.1197333
NRSN2	0.04247747	-0.03564745	-0.08594728	-0.03657927	-0.03215969	-0.01954404	0.1846997	-0.1846997
FBLL1	-0.02359939	-0.07099278	-0.02472418	-0.06538652	-0.03415141	-0.02420659	0.0749162	-0.0749162
TAF6L	-0.03277004	0.1060012	-0.1078817	-0.1164843	0.03780154	-0.07759306	-0.07510522	0.07510522
ALG8	0.01686852	0.07032856	-0.00264185	0.01804905	-0.01751851	0.06537057	-0.1028172	0.1028172
SYPL2	-0.01765362	-0.1150714	0.04514899	0.0028415	0.02526382	0.0181629	0.3068164	-0.3068164
PIK3IP1	0.05745944	-0.086761	0.1080413	0.05042593	0.07271895	0.01987142	0.3112204	-0.3112204
GLUL	0.08450381	-0.1173676	-0.05373061	-0.02776118	-0.07739278	-0.09545887	0.132571	-0.132571
CGRRF1	-0.05728564	0.02446917	0.082395	0.04718835	0.02223918	0.01021225	0.08020493	-0.08020493
PLXND1	0.0057393	-0.00485884	0.04896602	0.02029493	0.00866047	0.07282839	0.2645849	-0.2645849
GOLGA8B	0.04376713	0.08345988	0.02682841	0.1207502	0.00321291	0.04248057	-0.1264893	0.1264893
NEK9	-0.00338341	-0.03128447	0.1811206	0.1015778	0.1059434	0.09351084	0.09846224	-0.09846224
EGR3	0.06879739	-0.07750368	0.03803599	0.00616239	-0.04057176	-0.03911224	0.2076777	-0.2076777
DNAJC14	0.03001313	-0.01514126	0.0708534	0.04750471	0.01711316	0.1009325	0.0235806	-0.0235806
RNF144A	-0.04740973	-0.08958645	0.1554004	0.1239855	0.07711217	0.07213959	0.457759	-0.457759
PHLDA3	-0.00411506	-0.1646094	0.07299742	0.01935155	0.06329678	0.06795087	0.5028651	-0.5028651
ADAMTS9	0.09257448	-0.01558474	0.04321772	0.09660181	0.07677644	0.03490988	0.2049183	-0.2049183
ING3	-0.02522149	0.1038547	0.1061132	0.08917221	-0.02496418	0.0200623	-0.1397065	0.1397065
TESC	0.02438938	-0.1013651	-0.03223995	-0.08658271	-0.00374613	-0.01285653	-0.00884272	0.00884272
XPNPEP3	-0.01806294	-0.00159489	0.1724409	0.00476438	0.06692423	0.1160323	-0.05358783	0.05358783
ACTC1	-0.02513175	-0.02008894	0.02208581	-0.05591098	-0.04897836	-0.05077983	0.2698863	-0.2698863
TUBE1	0.00962772	0.1017987	0.1350549	0.04492052	0.00663765	0.05848858	-0.07183647	0.07183647
RBM23	0.00732529	0.04110316	0.03764357	0.05973336	-0.00325387	0.08208256	-0.08453407	0.08453407
CAMSAP2	0.06930784	-0.0898813	0.122541	0.07343126	0.00061061	0.06642427	0.1624043	-0.1624043
HSBP1L1	-0.0452831	0.1351486	-0.04014276	0.00056599	0.1093006	0.01319623	-0.1508251	0.1508251
PLAT	0.07695333	-0.08237876	0.0662892	0.07113774	-0.00545402	0.07065213	0.3543277	-0.3543277
CFI	0.04414345	-0.0703539	0.07509229	0.06939734	0.0015597	0.04137077	0.04766696	-0.04766696
ARL6	-0.02010645	-0.08171887	0.06770369	0.03478302	-0.04811844	0.01056866	0.1947211	-0.1947211
MFSD6	0.01479558	0.1282716	0.05635503	0.05337678	-0.05574268	0.05306385	-0.1631251	0.1631251
FAM126B	-0.0756458	0.04688284	0.1630143	-0.01985088	0.01721189	0.03368904	-0.07164396	0.07164396
DNAJC10	0.01994483	0.07162192	0.1344779	0.1238868	0.02361238	0.09664519	-0.05898262	0.05898262
PPP6C	-0.06545158	0.117323	0.07775008	-0.01854694	0.00061286	0.05062187	-0.1340254	0.1340254
SULT1A1	-0.02545712	0.06836486	-0.08328417	-0.02376027	0.06247915	-0.03060538	-0.1169403	0.1169403
RPRD1B	0.1001788	0.04337624	0.07559067	0.06316142	0.02602657	0.09519785	-0.172934	0.172934

N6AMT1	0.06047948	0.01567078	0.04203225	0.01566449	0.08280134	0.03854518	-0.031066	0.031066
DCHS1	0.03282818	-0.09936642	0.1010963	0.05116287	0.01917445	0.04210418	0.4626807	-0.4626807
EGFL6	0.09047789	0.06017199	-0.00635407	0.00581599	-0.0627537	0.02314235	0.06679012	-0.06679012
GPS1	0.05546903	0.02096321	-0.08088528	-0.01675494	-0.00213662	0.01017648	-0.06675656	0.06675656
OPTN	-0.04589795	0.0633042	0.2093731	0.01762506	0.02838104	0.1115976	0.09092181	-0.09092181
C3orf38	-0.0422817	-0.01270956	0.1753166	0.06094675	0.0547089	0.08805332	-0.01465301	0.01465301
S100A4	-0.08447106	-0.01663022	0.05244799	0.01991469	0.02413357	0.02012837	0.07682922	-0.07682922
SPTSSB	0.02592188	-0.106627	-0.02528233	-0.05469727	-0.06314758	-0.06721672	-0.05429793	0.05429793
INKA2	0.01306121	-0.1335619	0.05767773	-0.00721871	-0.01785736	-0.02188476	0.329241	-0.329241
ZNF346	0.03904282	-0.08628188	0.094574	0.07561701	0.08134324	0.1234646	0.1514981	-0.1514981
HYAL3	0.03329364	-0.01317602	-0.05168806	-0.1332824	0.01719396	-0.0542112	-0.1355441	0.1355441
RBBP6	0.04946476	0.0573881	0.1905899	0.1080035	0.1063148	0.1247449	-0.1163102	0.1163102
AIFM3	0.05806993	0.01257264	-0.03534499	0.00075334	0.138794	0.00967217	-0.03336379	0.03336379
PSME4	0.07205906	0.1035035	0.1025917	0.09443421	0.02608297	0.06937399	-0.2132527	0.2132527
HSPA2	0.02352828	-0.09448199	-0.05774076	-0.02108622	-0.00268513	-0.06293305	0.2700588	-0.2700588
SBK1	0.07204775	0.01573257	-0.01380161	-0.03720565	0.0232349	0.00125474	0.06000551	-0.06000551
PDLIM1	-0.03893878	0.07545444	-0.07045492	-0.04223727	0.02705003	-0.04410264	-0.01667228	0.01667228
OTUD6B	-0.01137208	0.07759836	0.08659944	0.08572229	-0.03864001	0.1097836	-0.1701234	0.1701234
MTPN	0.00816408	0.0272168	0.08094212	-0.00077863	0.01269005	0.00584305	-0.02807184	0.02807184
CPPED1	0.0434459	-0.00339381	0.1174713	-0.00913712	0.1057033	0.00131537	0.00639566	-0.00639566
PPP1R3F	0.0439202	-0.1257597	0.03597743	-0.00040782	0.02161633	-0.01047441	0.2325296	-0.2325296
ZNF396	-0.00837239	0.00128632	0.0852579	0.03831002	-0.05588361	0.04662038	-0.03072788	0.03072788
BAAT	0.1326677	-0.01200781	0.0136273	-0.04271489	-0.02105527	-0.026646	-0.01891806	0.01891806
UBE2F	-0.09691221	0.0535035	0.1205451	0.04500732	0.0172131	0.00349769	-0.02836512	0.02836512
FKBP14	0.07587755	0.01484077	0.1960146	0.1192868	-0.01381122	0.0585845	0.278465	-0.278465
ZNF195	0.05932412	0.1100916	0.1128287	0.08356132	0.01990147	0.1512401	-0.2287999	0.2287999
BICDL1	-0.0460479	0.01824892	0.00111981	-0.05074373	-0.04733946	0.07906229	-0.1395815	0.1395815
B4GALT5	-0.04273904	0.1094638	0.00308752	0.00744904	0.00153912	0.02136719	-0.06309418	0.06309418
NPR2	-0.00343181	-0.1001482	0.1618199	0.0946122	0.06648394	0.0110171	0.489812	-0.489812
FAM104B	-0.1322908	-0.06039674	0.0445111	-0.1015058	-0.04538898	-0.02770732	0.09269605	-0.09269605
DYNLT3	0.0294418	0.03928714	0.1100547	0.05891178	0.01187544	0.0747353	0.08042343	-0.08042343
ADPGK	0.03305522	0.1440809	0.09163151	0.05359016	0.01530833	0.06293196	-0.1459737	0.1459737
TPPP	0.07600001	0.05558406	0.02516325	-0.04913709	0.02144421	0.03457745	-0.04588844	0.04588844
INSYN1	-0.05097922	-0.2157468	0.02563912	0.01447011	-0.04217459	0.03777227	0.2846334	-0.2846334
UBASH3A	-0.02783159	-0.01756513	0.1700575	0.03428109	0.02425995	0.09145194	0.1575917	-0.1575917
SLC35C1	0.0439954	0.1411307	-0.01291546	0.03391258	-0.0739792	0.0436856	-0.1722242	0.1722242
MXRA7	-0.00135019	-0.1473359	0.07048507	-0.00165288	0.00096847	-0.06154492	0.4828311	-0.4828311
NDUFA6	-0.1391295	0.07662835	0.02582582	-0.111516	-0.02007239	-0.0491967	-0.09858354	0.09858354
FBXO36	0.02827727	0.03084778	0.03047635	-0.05472331	0.04530821	0.00217179	0.00135195	-0.00135195
CD47	0.06994	0.1148645	0.1089345	-0.00309816	-0.01143294	0.07060722	-0.02481553	0.02481553
MATN2	0.0375344	-0.1830016	-0.00829249	0.08165226	-0.02177398	-0.04416979	0.1857339	-0.1857339
DLX5	-0.07814053	0.02171916	-0.01982143	0.00684062	-0.02868723	0.02013483	0.1108487	-0.1108487
ZNF606	0.09781662	0.00225374	0.02209686	0.00626358	-0.00106292	-0.00902375	0.01220766	-0.01220766
NDUFA12	-0.1352791	-0.01726404	0.05259085	-0.04041426	-0.02789777	0.04903281	-0.07906193	0.07906193
CUL7	0.09268464	0.1084947	-0.03735559	0.01503995	-0.02797291	-0.02624007	-0.08755213	0.08755213
IL21R	-0.08385194	-0.00956107	0.1029978	0.03300367	0.01406979	0.0834736	0.09094162	-0.09094162
DNAJC19	-0.05308352	-0.00462541	0.07527759	0.01085994	0.01837751	0.01661267	-0.09780131	0.09780131
SPOUT1	-0.00422243	0.05027431	0.0629236	-0.06396954	-0.01674752	0.06483181	-0.08392123	0.08392123
PLIN5	-0.05948738	-0.1175804	-0.02424592	0.04516041	-0.07774469	0.01662151	0.00230163	-0.00230163
PITPNM2	0.00637637	-0.05200625	0.1029278	-0.01377304	0.02031767	0.02897696	0.1809194	-0.1809194
RABL6	0.03226931	0.1133198	-0.05209347	-0.05546973	-0.00469438	0.01269976	-0.1128355	0.1128355
SLC9A5	0.028344	0.1018884	0.04199436	-0.02983482	0.1767291	-0.00408613	-0.00645247	0.00645247
WBP4	-0.0187699	0.04270616	0.1254074	0.02642422	0.05319458	0.07009762	0.04162293	-0.04162293
TXNRD2	0.00650386	0.00825784	-0.1032991	-0.00775935	0.02628982	-0.00011827	-0.09249569	0.09249569
ITPRID2	-0.00671024	-0.01561746	0.1442473	0.09458971	0.08675764	0.1288433	-0.1392606	0.1392606
ANXA7	-0.08158417	0.06493968	0.05592429	0.02899113	-0.05937686	0.03876308	0.02661279	-0.02661279
MAB21L4	0.05747021	-0.02545153	-0.1740599	-0.0781075	-0.026025	-0.05410937	-0.06465926	0.06465926
ANKRD27	0.07191891	0.1134992	0.0586139	0.00165469	0.06399409	0.04251639	-0.09409087	0.09409087
VPS26C	0.03958785	0.02619392	0.07125795	0.00219267	0.00482061	0.00503952	-0.02616389	0.02616389
AAMP	-0.03791447	0.07661904	-0.07492527	-0.0511023	-0.04216648	-0.00053304	-0.2365851	0.2365851
TRPC4AP	0.09880426	0.09469253	0.05262694	0.04017888	-0.03109289	0.06479125	-0.1150267	0.1150267

IL4R	0.1040746	-0.03600429	0.04664687	0.1138627	0.1006281	0.05397196	0.1749736	-0.1749736
TMEM123	-0.00041528	0.04516913	0.1818359	0.04390421	0.00869431	0.07892947	-0.08418248	0.08418248
RCBTB1	0.05978407	0.06440751	0.08405153	-0.05838108	-0.02605712	-0.0060555	-0.09649488	0.09649488
BIRC7	-0.05315425	0.01993224	-0.01996795	-0.04621653	-0.01967504	-0.01441029	0.05052459	-0.05052459
HIST1H2AE	-0.02762515	-0.03529228	-0.108584	0.01711786	-0.09935061	-0.01050565	-0.02470154	0.02470154
COL18A1	0.1118335	0.03151235	0.02240112	-0.01668261	0.01455591	0.04492668	0.3887831	-0.3887831
GABPB2	0.07364022	-0.08132999	0.07066411	0.01428625	0.07903246	0.01906859	0.07417526	-0.07417526
INAFM1	-0.01287981	-0.1004115	0.09418299	-0.01087449	0.00883144	-0.02673348	0.6186256	-0.6186256
KCNAB2	-0.00538104	0.01427292	0.09727624	-0.00482767	-0.01182793	0.02732043	0.08646531	-0.08646531
EXOC3L4	0.06726999	0.08488617	0.03379412	0.00725968	0.0370504	0.02846964	-0.1676823	0.1676823
ETNK1	0.06861196	0.0778744	0.07999014	0.1323311	-0.03907179	0.1086846	-0.1974242	0.1974242
PTCH1	0.0323952	-0.05911627	0.03088283	-0.004617	-0.04668961	0.01683627	0.1362078	-0.1362078
RASGEF1A	-0.1018908	0.07509864	0.03948146	0.04483442	0.03458152	0.1055812	0.00761472	-0.00761472
ASB7	0.04784603	0.0177399	0.0446637	0.06196169	-0.02670334	0.1116719	-0.1289814	0.1289814
ITPR2	-0.04468352	-0.03142239	0.03405318	0.0942574	-0.02463037	0.06469994	0.09527582	-0.09527582
STX1B	0.0574375	-0.05430506	0.08756815	-0.03165085	0.07209914	-0.00491712	0.2074718	-0.2074718
NASP	-0.01742333	0.1292573	0.0968461	-0.00137613	0.01994907	0.07373831	-0.2198839	0.2198839
SLC4A1AP	0.01496853	0.0729269	0.05978079	0.06058626	0.02463962	0.05231165	-0.1747017	0.1747017
DVL2	0.01203312	0.05628999	0.02052426	-0.01691319	0.00718321	0.00906701	0.0993783	-0.0993783
VPS13D	0.07834694	-0.01486327	0.07601326	0.06889852	0.00568444	0.06161505	-0.00081442	0.00081442
PUS7	-0.0878124	0.03654089	0.06637411	0.01847806	0.00606966	0.07188681	-0.1761585	0.1761585
PDE3A	0.01138963	-0.07738705	0.1296023	0.129113	0.02782968	0.04517006	0.3424172	-0.3424172
TMEM69	-0.06407907	0.04323589	-0.02404771	-0.02929586	0.00248481	0.01097724	-0.162452	0.162452
MGAT5	0.1139677	0.0003992	-0.04322768	-0.01689568	0.02025501	0.01405107	-0.1432984	0.1432984
GATA6	0.03876953	-0.06178187	0.03321095	0.05439655	-0.03484332	0.00835739	-0.16677	0.16677
SNRPD3	-0.1009064	0.09095787	-0.02444971	-0.07431559	0.03135832	-0.01146712	-0.1478486	0.1478486
ZNF670	0.04425778	0.04401933	0.0959074	0.01151022	0.02843335	0.04396952	-0.168273	0.168273
HSPB8	-0.05144945	-0.1708451	0.04261543	-0.00872196	-0.00875473	-0.0551324	0.3386327	-0.3386327
SLC6A9	-0.0443973	0.05879724	-0.01834507	-0.08851611	-0.03987155	0.02059016	-0.04984112	0.04984112
RAB20	0.01753157	0.08335466	-0.00242603	-0.04778187	-0.00296432	-0.00389499	-0.03064431	0.03064431
DTNB	0.1012924	-0.01780575	0.00719133	0.01001882	0.01123397	0.04693634	-0.06479057	0.06479057
NNMT	-0.07544862	-0.08723061	0.09994998	0.06332484	0.02864949	0.06454413	0.493152	-0.493152
RING1	-0.0110183	0.0036087	-0.04660182	-0.07081533	-0.013309	-0.02346601	0.1471911	-0.1471911
TCTE3	0.01655988	0.1170533	-0.01261749	0.04422568	-0.00122853	-0.00203725	-0.2239446	0.2239446
LEO1	0.00953304	0.1417493	0.06379909	0.0590973	-0.02050657	0.04440961	-0.2923718	0.2923718
LMNA	-0.01102777	-0.01584776	0.02333315	0.00917777	0.1028636	0.03945226	0.09219028	-0.09219028
GTSE1	-0.05475918	0.07223424	-0.01386748	0.0079987	-0.01516361	0.04011246	-0.2277536	0.2277536
CYB5D2	0.0083552	-0.0134003	-0.01292225	0.00526311	-0.05230349	-0.01945137	0.134577	-0.134577
YIPF2	0.08067072	0.06716103	-0.1245991	-0.1084145	-0.03867593	-0.07954425	-0.0871539	0.0871539
POLE2	-0.10606	0.172515	0.01621744	-0.02244611	0.09755446	0.05783216	-0.3164465	0.3164465
POLR2A	-0.0243547	0.01153897	0.0813082	0.102648	-0.02291986	0.1453702	-0.06669397	0.06669397
TRIM59	-0.04203096	0.02906714	0.1523302	0.04372642	0.00959389	0.1509819	-0.01703317	0.01703317
ATP5F1D	-0.1338162	0.07106678	-0.08095624	-0.1164417	-0.05708523	-0.05119667	-0.06464913	0.06464913
ASB9	0.06521346	0.09206207	0.06612655	0.00535568	0.06450772	0.07992806	-0.02668019	0.02668019
PDCD2L	-0.1086536	0.1234089	-0.02184896	0.01334029	0.042307	0.01650156	-0.2325011	0.2325011
DNAJC11	0.02214708	0.05681477	0.00322512	0.00108339	0.06815941	0.06459011	-0.2498674	0.2498674
NAGS	-0.03485315	0.09528802	0.04840712	0.01292307	0.06839	0.1482248	-0.07720356	0.07720356
PPP1R14A	-0.05637839	-0.1316367	0.0853896	0.0167514	0.00314283	-0.04683971	0.3599125	-0.3599125
CX3CL1	0.095939	0.02723214	0.148679	-0.05826487	0.09842519	0.06253896	0.07783971	-0.07783971
STARD4	0.04433963	0.1554859	0.08691534	0.06695214	-0.02947129	0.1013778	-0.2114059	0.2114059
ACKR2	-0.04406263	0.04229584	0.04388263	-0.01513775	-0.05028836	0.06183371	0.1434615	-0.1434615
GZF1	0.06968804	0.05995311	0.08756198	0.02960268	-0.03180528	0.04478391	-0.03791888	0.03791888
RILPL2	0.01690924	-0.08819505	0.1660284	0.02037357	0.0536159	0.05318872	0.2593652	-0.2593652
TBXAS1	0.1351773	-0.04222681	0.1114269	0.04809655	0.04199294	0.02179053	0.1156192	-0.1156192
HPS1	0.02641431	-0.00559262	-0.0022543	-0.06221528	0.05493097	-0.01206863	0.1057815	-0.1057815
MUC5B	0.1022625	0.06632061	-0.0113331	0.02337802	-0.02021508	0.05718425	-0.08160655	0.08160655
METRNL	0.02358826	0.06200297	-0.0100873	-0.04047924	-0.03245312	-0.03669082	0.1214833	-0.1214833
SIGLEC7	0.02673761	-0.00329058	0.1542589	0.0952748	0.04156479	0.02531686	0.2153027	-0.2153027
RANGRF	-0.145382	0.1094961	0.03305731	-0.04570057	-0.06129724	-0.07019988	-0.03102318	0.03102318
UBE2D2	-0.02810921	-0.03462269	0.02425192	0.04446325	0.04246286	0.08306848	0.02458102	-0.02458102
KMT2A	-0.0184045	-0.04703673	0.1942937	0.08420168	-0.01461649	0.139014	0.08100441	-0.08100441

CFDP1	0.04055541	0.04643217	0.1174629	0.09447335	0.1177261	0.09461116	-0.08457688	0.08457688
FZD6	0.03845039	0.0482927	-0.01195435	0.05063167	0.0175495	0.02849145	-0.0263836	0.0263836
ANKRD35	0.06551735	-0.09033976	-0.09163829	-0.04468329	-0.02234225	-0.09152086	0.1739024	-0.1739024
IMPAD1	-0.02588663	0.07413129	0.1464091	0.05951388	-0.04159884	0.04161077	-0.01189532	0.01189532
ZNF256	0.00792591	-0.01515487	0.07130784	-0.05788271	0.01565697	0.0211824	0.0667572	-0.0667572
COMMD7	0.09834685	-0.01258213	0.00397734	0.0153397	-0.03267025	0.0036279	-0.00944697	0.00944697
PBRM1	0.03377587	-0.00775574	0.08518409	0.0384608	-0.00389152	0.04068036	-0.07983586	0.07983586
CSKMT	-0.08092253	0.05811722	-0.06432657	0.0048042	0.00629969	-0.0417002	-0.1168629	0.1168629
SMC3	-0.01648635	0.08150954	0.1594144	0.02560921	-0.02199124	0.09494631	-0.1133097	0.1133097
RIPK2	-0.03750376	0.112831	0.1129418	-0.08138432	0.00426711	-0.02679046	-0.05427087	0.05427087
GMEB2	0.04191577	0.08860577	0.01006796	-0.01827119	-0.01013487	0.03885215	-0.1519403	0.1519403
AP3D1	0.02677146	0.02325482	0.05892057	-0.00143381	0.05439945	0.08096781	-0.1181115	0.1181115
TADA2A	0.01202057	0.0317949	0.01323572	0.01452895	0.05838999	0.03646704	-0.1298853	0.1298853
GAB3	-0.01725755	-0.03061194	0.1881112	0.09759324	0.02799864	0.07644344	0.285778	-0.285778
LILRA6	0.07131231	0.1371352	0.1265215	0.03414563	0.02296636	0.02957652	0.1717301	-0.1717301
CSRNP2	0.01634093	-0.06218618	0.1078595	0.01673774	0.03662834	0.1003404	0.1691537	-0.1691537
KCNQ1	0.07730763	0.07587362	-0.06446256	-0.1362367	0.01610588	-0.07143236	-0.2320838	0.2320838
HEATR5A	-0.0099819	0.0683618	0.1627543	0.05753669	-0.0407736	0.07924985	-0.1568935	0.1568935
RND3	0.03040012	0.08823321	0.05043257	0.00676825	-0.02464727	0.00576755	0.03204208	-0.03204208
MGST1	-0.00496492	0.1304416	0.05018995	0.02797846	-0.01396708	0.03286024	-0.172397	0.172397
PLYR1	0.05855847	0.09055768	0.116818	-0.01411863	-0.01961676	-0.1267747	0.06690952	-0.06690952
RUNX2	0.05041376	-0.05221731	0.09501128	0.09071827	0.01416692	0.1212697	0.2226324	-0.2226324
ALDH4A1	0.1531541	-0.04741295	-0.06166999	-0.03657266	-0.0797375	-0.0327367	-0.09636982	0.09636982
ELOVL3	-0.1971842	0.06048558	0.06616977	-0.04558162	-0.05346418	0.02793558	-0.01903328	0.01903328
RPS12	-0.02018136	-0.00393161	0.06814338	0.04667114	-0.02144996	0.07151387	-0.1138749	0.1138749
RAB32	0.01234478	-0.09422201	0.08828659	0.06686151	0.03053899	0.00746619	0.3156669	-0.3156669
NID1	0.0737866	-0.03474354	0.1290253	0.07859535	0.01949635	0.01355445	0.3494918	-0.3494918
LDHAL6B	0.1367275	0.04923278	-0.07097562	0.02679654	0.02138293	0.01928455	-0.02084663	0.02084663
METTL23	0.04080228	0.02953963	-0.0511266	-0.00134178	0.05535143	0.00773686	-0.04021278	0.04021278
CD164L2	-0.06398275	0.02078859	-0.07979977	-0.05673263	-0.00434581	-0.01407595	-0.1320431	0.1320431
HNF4G	0.03580089	0.150247	0.04861056	0.03744987	-0.05688659	0.02363908	-0.3242027	0.3242027
HADH	-0.0737362	0.07462714	-0.03904111	-0.0082947	-0.01225367	-0.05899431	-0.2243664	0.2243664
ZNF547	-0.03604296	-0.02436481	0.00758844	0.04123747	0.03761236	-0.00556619	0.03769927	-0.03769927
COL14A1	0.0175167	-0.1282597	0.1218651	0.08136232	0.00931075	0.00614236	0.4610022	-0.4610022
DDRGK1	0.1253119	0.0900254	-0.04765299	-0.08827905	-0.1081248	-0.03255546	-0.1104865	0.1104865
UTP14A	-0.06860721	0.06399532	0.04859039	0.0053082	0.01060618	0.07431579	-0.1899388	0.1899388
ZDHHC18	-0.03285729	-0.03421093	0.01981567	-0.0448223	0.00331541	-0.00547749	0.1167333	-0.1167333
HS2ST1	0.110104	0.00856069	0.110909	0.01617567	-0.00050295	0.06422939	-0.08829537	0.08829537
FTL	0.03869983	-0.100999	0.03359714	0.06251874	-0.01871841	-0.01560929	0.1560611	-0.1560611
LRRC42	-0.02925055	0.1178184	-0.04392507	-0.04366989	-0.01710842	-0.0125699	-0.1109815	0.1109815
CD302	0.02966371	-0.1530095	0.1562203	0.1081321	0.01666403	-0.0181925	0.2320188	-0.2320188
YTHDF3	-0.00951741	0.04652889	0.09287293	0.05803485	-0.06340396	0.04439687	-0.1784058	0.1784058
RPL31	-0.01768442	0.00037652	0.09638288	0.05226903	-0.1304155	0.0864326	-0.05297274	0.05297274
KCNJ8	0.01490635	-0.1040903	0.1794721	0.07606935	0.06271855	-0.02204486	0.5355526	-0.5355526
DFFA	0.0047459	-0.01441344	0.01163246	0.02135883	0.02705228	0.03034665	-0.06592324	0.06592324
HLA-DMA	0.00476646	0.06956894	0.05639968	-0.01141874	-0.00358696	0.0374629	-0.03809941	0.03809941
ALDH9A1	-0.02015209	0.01414138	-0.03247709	0.00740925	-0.00086881	-0.03609766	-0.3093751	0.3093751
RAB30	-0.02938182	-0.03359631	0.05985534	0.06548081	-0.00414895	-0.00257669	0.2186428	-0.2186428
C1orf216	-0.04617099	-0.05701083	0.1128089	0.03503202	0.06072716	-0.0360045	0.3943571	-0.3943571
PUS1	-0.101644	0.0112519	0.1089501	-0.00242007	0.00437877	0.1220046	-0.1388085	0.1388085
SSNA1	-0.08374701	0.09246978	-0.107683	-0.1508342	-0.07088479	-0.05905732	-0.04321117	0.04321117
CLEC12A	-0.03360043	0.09149696	0.2186781	0.04105145	-0.0208191	0.0232935	0.1155396	-0.1155396
ZNF461	0.04880081	-0.05193948	0.06782905	0.00072029	0.06410546	-0.01526057	0.1872247	-0.1872247
PTPRN2	0.06826834	0.07803239	0.01006245	-0.05099248	0.0364015	-0.00711627	-0.04659257	0.04659257
C19orf47	-0.04129465	-0.01266829	-0.06116323	-0.03585094	-0.00516292	0.02991825	0.04612481	-0.04612481
COL6A3	0.07586415	-0.01617386	0.1296378	0.06130227	-0.00622725	0.01364562	0.5380077	-0.5380077
UTP15	-0.02571123	0.09247578	0.1550656	0.07022276	-0.0106192	0.09910148	-0.2012113	0.2012113
WDFY1	0.09110413	0.07639439	0.2027221	0.05952762	0.03756136	0.125407	-0.03846856	0.03846856
ATP1A3	-0.06403503	-0.0426489	0.05319544	0.02202335	-0.02224713	0.1064804	0.1208188	-0.1208188
CXorf21	-0.05936997	-0.04392539	0.193039	0.1141712	0.03693811	0.07388757	0.271892	-0.271892
SMIM10	-0.08307769	-0.1335673	0.1379777	0.06157724	0.01682317	0.02624995	0.4324159	-0.4324159

FOPNL	0.01851838	0.03864727	0.1081852	0.05181679	0.09567779	0.00985495	-0.1606801	0.1606801
ZFP69	-0.0562754	-0.04739236	0.09297539	0.00507455	0.04668636	0.00672157	0.09723661	-0.09723661
SULT1C2	0.01148128	0.01603556	-0.08278726	0.02309803	-0.09625815	-0.09001166	-0.1969537	0.1969537
DST	0.04261852	0.01164164	0.07577782	0.04059565	0.02610774	-0.0014984	0.1554513	-0.1554513
ANGPT2	0.0715367	0.01714215	-0.00132638	-0.03273014	0.00052257	0.03166876	0.07665973	-0.07665973
DNHD1	0.08014645	0.01303344	0.04099158	0.07401684	0.1347619	0.0951513	0.04255359	-0.04255359
CHI3L1	0.06828841	0.07441418	0.06583236	0.04338529	0.01560657	-0.07672867	0.1191845	-0.1191845
KLHDC10	0.1032726	0.06736954	0.04847592	-0.00567798	0.02957003	0.05421502	-0.1490732	0.1490732
LRP6	0.08233818	0.01001591	0.08829134	0.03078104	-0.03349421	0.0400716	-0.07704621	0.07704621
RBM3	0.04929623	0.02405307	0.1347534	0.02676384	-0.01184188	0.07273299	0.03400815	-0.03400815
XPR1	-0.01986289	-0.04026747	0.1198245	0.0845987	0.04976333	0.1182445	-0.0257385	0.0257385
PIP5K1A	0.01785425	0.05762378	-0.00821096	-0.00860126	0.0211038	-0.01298944	-0.07007946	0.07007946
NAA35	0.00664961	0.0522296	0.03859053	-0.00134738	0.02482256	0.0538149	-0.2533923	0.2533923
ZNF287	-0.06302372	-0.0575426	-0.0100406	-0.06627706	-0.02553365	-0.0888576	0.2286291	-0.2286291
PTPN22	0.00110342	0.04896358	0.1955635	0.04472513	0.03805914	0.07780662	0.04754353	-0.04754353
ALAD	0.01951872	-0.06523082	-0.00190183	-0.09328211	-0.0270725	-0.06305298	0.04207351	-0.04207351
ACTG1	-0.1227151	0.03630702	0.05260066	0.05535809	0.04413891	0.0913779	-0.06103785	0.06103785
TMBIM1	-0.02071308	0.06526157	-0.03463995	0.00638059	-0.03438231	-0.00172511	-0.1496568	0.1496568
FDX1	-0.0277224	0.06789433	0.01771073	0.07438984	-0.0790069	0.02965577	-0.3017334	0.3017334
FAM171A1	0.05263067	0.04355659	0.01193158	0.04374487	-0.01891674	0.00272169	-0.1255255	0.1255255
FAHD2A	0.1008447	0.09818823	-0.00129101	-0.06270782	-0.00255249	-0.1181508	-0.06694953	0.06694953
ADORA1	0.02798075	-0.1653547	0.05779185	0.01192535	0.04437039	0.05207159	0.2753719	-0.2753719
COA6	-0.08878623	0.1156567	-0.04181934	-0.1075548	-0.02877642	-0.08006775	-0.2663447	0.2663447
GLI2	-0.01927955	-0.1589813	0.117634	0.0575766	-0.02116467	0.07476415	0.4711423	-0.4711423
ST3GAL4	0.00936274	-0.01342092	-0.04255568	0.04594769	0.00858459	0.03035137	0.2131219	-0.2131219
DGKZ	0.05148061	0.1241047	-0.01080763	-0.02895868	-0.02130577	-0.0205193	-0.09529531	0.09529531
TXLNA	-0.0069452	0.03058255	0.04940086	0.01688009	-0.01533813	0.07078603	0.01424253	-0.01424253
RLIM	0.05172341	0.03783922	0.1760985	0.03236986	-0.01513578	0.1465308	-0.1417658	0.1417658
SLC10A6	0.04104711	0.01985551	-0.1052746	-0.04507901	-0.00492293	-0.02819174	-0.00379132	0.00379132
ARF6	-0.1250858	0.06089626	0.06656695	-0.05470463	-0.00504046	0.07056175	-0.1258512	0.1258512
ABHD17A	-0.01652534	0.03670939	-0.00780186	-0.08275328	-0.03024447	-0.01668538	0.1574721	-0.1574721
DPM3	-0.07540925	0.05203653	-0.06761771	-0.08433364	0.04067755	-0.1436065	-0.02806408	0.02806408
B4GALNT1	-0.1015699	-0.03942299	-0.02514866	-0.00273639	0.05813872	-0.00439893	0.25379	-0.25379
JPH2	-0.0388751	-0.1588526	0.09991703	0.03283381	0.00572143	-0.01524413	0.3630942	-0.3630942
NADK2	-0.06532559	0.03132515	0.1135668	-0.05237305	-0.01763505	0.02777946	-0.1323356	0.1323356
CDC5L	0.06695684	0.1200269	0.0071019	-0.03295505	-0.02352418	-0.00722969	-0.1321866	0.1321866
RNF38	-0.02631701	-0.04984787	0.09263302	0.03292731	0.02930852	0.04988983	0.1344492	-0.1344492
ZBTB2	0.01943053	0.01797955	0.1916441	0.05431614	0.0633037	0.1188511	-0.05980622	0.05980622
FAM149B1	-0.0056073	0.0237325	0.07942581	0.06458718	-0.04235226	0.1136884	-0.07454309	0.07454309
MGME1	0.02102736	0.111751	0.04432681	-0.00046029	-0.0706294	0.02322558	-0.2099775	0.2099775
FP565260.1	-0.02453651	0.03398474	-0.06831573	-0.02174417	-0.01318636	-0.0455538	-0.03461275	0.03461275
ACVR1B	0.05227242	-0.01413543	-0.02392798	0.04291194	-0.00190703	0.08050332	-0.1453821	0.1453821
UPK3BL1	-0.00690093	0.01362649	-0.05888114	0.03160184	0.01855615	0.03925641	0.03730796	-0.03730796
RBM25	0.02952762	0.08707488	0.1156438	0.08144329	0.00623037	0.1165247	-0.1971649	0.1971649
IGFL2	-0.03738495	-0.07453809	0.04897672	-0.09813506	-0.01002729	-0.00408317	0.1129527	-0.1129527
RHOBTB1	0.0267675	-0.1249093	0.05075592	0.09827529	-0.01043901	0.09685399	0.1453895	-0.1453895
NENF	-0.02495809	0.01804183	-0.07678337	-0.07021843	0.01543832	-0.09485939	0.05101299	-0.05101299
ARID5B	0.06541986	-0.02547068	0.1981503	0.04101471	0.07216976	0.0771245	0.2100127	-0.2100127
NEURL1B	0.01917499	-0.00253533	0.00250243	0.03863537	0.03558732	0.06236558	0.2240291	-0.2240291
CXCR2	0.07234549	-0.01526115	-0.1573144	-0.0524566	-0.03043001	-0.06887728	-0.04159735	0.04159735
PCCA	0.1059712	-0.00920781	0.01069989	0.03030229	0.00951209	0.01780427	-0.03297046	0.03297046
PPP1CA	-0.08994687	0.1225863	0.00974565	-0.04299922	-0.05699288	0.01619962	-0.1093851	0.1093851
UBAP2	0.02382122	0.08127073	-0.03217632	-0.03532687	0.03107299	0.0834448	-0.1913751	0.1913751
RFC3	-0.02721036	0.1283704	0.04073341	0.0061203	0.05180625	0.09887618	-0.2916855	0.2916855
IL17RE	0.03078685	0.1101696	-0.03516903	-0.08089108	0.04611559	0.01645899	-0.1639709	0.1639709
SESN2	0.01989744	0.0492847	0.01716378	0.03049592	0.05402597	0.03571569	-0.1243168	0.1243168
INO80B	-0.08087474	0.07625047	-0.1024863	-0.09457617	-0.05438792	-0.04780567	0.07803632	-0.07803632
FUT11	-0.04207404	-0.04603743	0.1558312	0.08300731	0.03169962	0.09632189	0.3703759	-0.3703759
RNFT1	0.02643724	0.1026425	0.0820124	-0.03422336	-0.05216036	-0.01403458	-0.1213194	0.1213194
ADA2	0.0695949	-0.0059362	0.2065492	0.1279466	0.09189597	0.09473649	0.2235265	-0.2235265
ATP6V1A	0.06137104	0.02507556	0.1417756	0.07766957	-0.03248889	0.1144054	-0.1470504	0.1470504

MRV11	-0.00928465	-0.1526022	0.1441629	0.06497093	0.00852924	-0.00382404	0.4450581	-0.4450581
ASXL1	0.05406673	0.03909507	0.07990013	0.0864137	-0.01813934	0.0875716	-0.02593166	0.02593166
BPMS	-0.00613461	-0.1634652	0.06843722	0.04144399	0.01551939	-0.03642547	0.420536	-0.420536
ANP32B	-0.06296185	0.08255465	0.07609792	-0.04412796	-0.03381977	0.04792006	-0.2105143	0.2105143
GHDC	0.1236759	0.03570816	0.0085704	-0.09664758	0.03457018	-0.04358199	0.00322402	-0.00322402
ARSG	0.06017696	-0.124823	0.07186644	0.113434	0.02697425	0.04341494	0.1740988	-0.1740988
ZNF281	-0.0148057	0.01493673	0.1539591	0.06792782	0.00371414	0.06924235	0.1414107	-0.1414107
BCLAF3	0.0955899	0.08389874	0.1328744	-0.00861676	0.05345322	0.05344903	0.03402161	-0.03402161
NFIB	-0.0110053	-0.1255988	0.1401189	0.09361878	0.06145298	0.05991882	0.1545593	-0.1545593
CNEP1R1	0.01038658	0.1146868	0.2023341	0.04918974	0.09587668	0.05177057	0.04349725	-0.04349725
DPY19L2	-0.00265823	-0.06774487	0.04816583	0.07113211	-0.01498979	0.05202937	0.2877211	-0.2877211
ZNF493	0.06668099	0.01401835	0.06272801	0.01730498	0.06015269	0.0347682	-0.1080798	0.1080798
NMNAT1	0.0431108	0.03872069	0.06525615	0.04786158	0.05264976	0.04629916	-0.1403034	0.1403034
DHRS4	-0.05471551	0.09387341	-0.02577566	-0.08028281	-0.01218661	-0.01805213	-0.07665603	0.07665603
RNF111	0.04923278	0.04715355	0.09740167	0.041861	0.01125765	0.09760573	-0.09274714	0.09274714
TTC31	0.03449702	0.1664787	-0.01490524	0.00748911	0.00845849	0.02220075	-0.2045096	0.2045096
CD40LG	-0.1052662	-0.07979599	0.1141308	0.05804377	0.07418914	0.06648302	0.1342856	-0.1342856
MPG	-0.03562552	0.02411242	0.1101136	-0.00646197	-0.0043507	0.00895196	0.1504966	-0.1504966
PPIL1	-0.01309282	0.05890992	-0.03641663	0.012983	-0.00510933	0.03750112	-0.1737654	0.1737654
SLC12A2	0.07104063	0.08472009	0.04390683	-0.0253833	0.06915105	0.05166054	-0.07289234	0.07289234
TMEM120B	0.04044368	-0.01424232	0.01877392	0.0079109	-0.00049233	0.06416622	0.04355049	-0.04355049
GKN2	0.02706619	-0.08966092	-0.05468312	0.0262677	-0.03682266	0.03399717	-0.08824135	0.08824135
ZNF383	0.01332612	-0.1225303	0.1158326	0.05419273	0.04698539	0.05645665	0.2024841	-0.2024841
PLD4	-0.08616003	-0.07365418	0.02095466	-0.03423608	-0.01650283	0.0052164	0.1541549	-0.1541549
HINT2	-0.1156581	0.03677426	-0.01259466	-0.06084753	0.07127624	0.07259803	-0.08357954	0.08357954
PRKCH	0.01141069	0.00720362	0.1310065	0.0957099	0.07734173	0.08640193	0.1913054	-0.1913054
ARF1	0.01928491	0.09683013	-0.00510596	-0.03882989	0.00785747	-0.04791897	-0.1263575	0.1263575
PATL2	0.0622194	0.06259208	0.00672631	0.07603204	0.0827291	-0.02884855	0.03213364	-0.03213364
ACACB	-7.02E-05	-0.1472476	0.03999977	0.0586298	0.00918596	0.00476167	0.2496512	-0.2496512
SHISA4	0.00634693	-0.07278129	-0.00359144	-0.00525901	0.00119357	-0.00065674	0.4031454	-0.4031454
PAN2	0.07034422	0.08977963	0.02472852	0.06694554	0.04781558	0.09395947	-0.1814485	0.1814485
KCNMB3	0.03922233	0.0407245	0.03885286	0.03150801	-0.02273466	0.08309162	-0.05850715	0.05850715
CTSG	0.06628512	-0.00280937	0.1488988	-0.01591283	-0.01848478	-0.1771142	0.1619489	-0.1619489
TRAFD1	-0.00097938	0.05333887	0.1091966	-0.01568329	0.04604084	0.03860162	0.01008963	-0.01008963
ZNF608	0.06891595	-0.09970104	0.01490923	0.01288309	-0.00158603	0.03420541	-0.01786058	0.01786058
APBB3	0.1110818	-0.02914554	0.04760794	0.09520507	0.02546339	0.1098758	0.1138758	-0.1138758
MTRNR2L1	-0.02072905	-0.01974214	-0.07840002	-0.0794785	0.07237915	-0.0186836	-0.0746047	0.0746047
DES	-0.05452247	-0.1516036	0.08887134	0.0090149	0.01951698	-0.04688765	0.3202759	-0.3202759
GGT1	0.00488082	0.03496392	-0.07046654	-0.03984746	0.0011801	-0.01397251	-0.1251046	0.1251046
FAM117A	-0.07589335	-0.130037	0.01160368	-0.00367512	0.03083169	0.02818456	0.1490918	-0.1490918
BMP4	-0.00456778	0.02142626	-0.0210492	-0.08816753	0.04133012	-0.03452951	0.08049882	-0.08049882
PRSS3	-0.02754534	0.155481	-0.04360195	0.01401683	0.00630205	0.0934819	-0.2590021	0.2590021
TRAPPC3	-0.04960951	0.02041796	0.02383855	-0.0167907	0.06561765	0.00106164	-0.0012315	0.0012315
XRCC5	0.0243819	0.05490066	0.05162317	0.05481053	0.02747684	0.06923025	-0.1431784	0.1431784
PNMA1	-0.07002037	-0.1588458	0.1822044	0.1097993	0.07113429	0.1213609	0.2972834	-0.2972834
SZT2	0.09824935	0.05453318	0.01748744	0.04976975	0.08709035	0.05933553	-0.01522393	0.01522393
SLC4A3	0.02287698	-0.05937641	-0.03581665	-0.03213948	0.06035797	0.00080679	0.1736894	-0.1736894
TUBB2A	-0.0231131	-0.04601018	-0.1459235	-0.03178419	-0.07066518	-0.07936452	-0.07715265	0.07715265
MRPS28	-0.05508526	0.1021875	-0.02563955	-0.01598032	-0.07974028	-0.01650182	-0.2344497	0.2344497
ZNF783	0.07273582	0.01659453	0.1182067	0.061991	0.0340733	0.09309432	-0.05730522	0.05730522
POF1B	-0.144773	0.1848189	0.05942004	-0.05704978	-0.05054558	0.02429406	-0.3432349	0.3432349
BPTF	0.07124589	-0.02257925	0.09699799	0.08956205	0.00015691	0.1005515	-0.05574578	0.05574578
AGRP	-0.00051809	0.09766272	0.05205861	0.00723393	0.06276616	-0.01247577	0.00991684	-0.00991684
GEMIN6	-0.06804845	0.05483639	0.01920386	-0.00524261	0.04549215	0.00997328	-0.1935905	0.1935905
IGSF8	0.05385111	0.07771104	-0.1453866	-0.08899039	-0.01610004	-0.09903481	-0.09411893	0.09411893
FCGR2A	-0.01276203	0.0495876	0.1967138	0.0981433	0.02019396	0.0282042	0.2530818	-0.2530818
FOXQ1	0.05374284	0.00127997	-0.01602342	-0.07745929	-0.05110924	-0.06425399	-0.1451423	0.1451423
UBA7	-0.04227472	0.1118493	0.08684182	0.0160182	0.00355144	0.07330884	-0.02341289	0.02341289
SDCCAG8	-0.01688944	-0.01197693	0.1362543	-0.03329946	0.07985525	-0.05786507	0.01667704	-0.01667704
ACTA2	-0.03271299	-0.1559443	0.1196027	0.03610637	0.02715268	-0.05662244	0.4558929	-0.4558929
SYNPO2	-0.05387862	-0.1479987	0.07388488	0.00390555	-0.00893681	-0.05773762	0.2983628	-0.2983628

ANGPT1	-0.05938187	-0.05621986	0.1380187	0.09352596	0.02950424	-0.00076579	0.2667986	-0.2667986
ADH1B	-0.05642367	-0.152262	0.08213993	0.1159377	0.00382133	0.02430776	0.3613371	-0.3613371
SNAI2	-0.03191724	-0.03765606	0.00930459	0.06195525	-0.04731097	-0.02097325	0.3700833	-0.3700833
LPL	-0.1258692	0.01624637	0.08054556	0.1060319	0.01725554	0.06028055	0.1515753	-0.1515753
GCC1	0.0502139	0.1050094	0.08997817	-0.02324847	0.08634473	0.0624909	-0.118472	0.118472
FAM221A	0.07847277	0.1646751	-0.01723324	0.02670967	-0.04247837	0.01506454	-0.2193565	0.2193565
RMDN1	0.01506723	0.0416695	0.06368546	0.03512257	-0.04000004	0.03438324	-0.08903974	0.08903974
GEMIN4	-0.113485	0.1450384	-0.01970115	-0.02859505	-0.01420208	-0.00411093	-0.2020691	0.2020691
HES1	0.01325878	0.02858852	0.0035096	-0.09483472	0.00025175	-0.05835612	-0.1421864	0.1421864
POC1B	0.02946069	0.1073139	0.1590015	0.0339007	0.07381177	0.1004237	-0.1388157	0.1388157
HDDC2	-0.03093517	-0.03093951	0.01536255	0.03183538	0.03381194	0.01475598	-0.1260423	0.1260423
ARL17A	0.04231153	-0.01303101	0.04301287	0.0717497	0.09513162	0.02940337	0.06032483	-0.06032483
HDAC3	0.0201848	0.03458401	0.04180522	0.04622656	0.05395294	0.05702591	-0.01248924	0.01248924
ORMDL3	0.05881559	0.08983368	-0.01980277	-0.02223888	0.04784535	0.00916625	-0.1157415	0.1157415
SYT11	-0.03373631	-0.1462216	0.1507293	0.03385464	0.00957573	0.0263901	0.4633022	-0.4633022
PRIMA1	-0.0547954	-0.1560159	0.09357271	0.01192693	0.0292133	-0.03846429	0.284318	-0.284318
ZNF154	0.01735239	-0.1511372	0.08027927	0.09515838	0.04389496	-0.01873958	0.3154267	-0.3154267
RAB11FIP2	0.09009845	-0.172393	0.07749538	0.03301792	-0.01277726	0.00743091	0.06261545	-0.06261545
COPB2	-0.00275472	0.05157267	0.0909049	0.1304995	-0.06598242	0.1087973	-0.1586704	0.1586704
LEMD3	0.01735323	0.03922411	0.03991003	0.04455024	-0.05317929	0.02356482	0.05116827	-0.05116827
MYH11	-0.06179485	-0.1408157	0.07874904	0.01724711	0.01442949	-0.03517074	0.3064783	-0.3064783
DOK7	0.03240291	-0.00577445	-0.1118588	-0.1014866	-0.05475047	-0.04169727	-0.102674	0.102674
ISCA2	-0.04483044	0.04629114	-0.00318189	-0.05509526	0.0582207	0.02080838	-0.1270135	0.1270135
ZNF280D	0.02350962	-0.00484812	0.1346663	0.05771243	-0.01260614	0.04340926	0.1233083	-0.1233083
CAD	0.06835485	0.04865053	0.05687478	0.07708298	0.06025425	0.1078333	-0.1635228	0.1635228
HIST1H2BJ	-0.07837559	-0.05605044	-0.05255897	-0.01819527	-0.04078494	-0.01702251	-0.1001815	0.1001815
STAC	-0.1351415	-0.09274769	0.0001607	0.065087	0.02499857	0.05511034	0.2479452	-0.2479452
ACSM1	0.02538268	-0.00495191	-0.1144413	-0.1017193	0.04643553	-0.0699394	-0.1430467	0.1430467
ADGRE3	0.06637589	-0.03545716	0.0223975	0.03096559	-0.00220916	-0.03594569	0.07881443	-0.07881443
NUDT17	-0.02838699	-0.1161188	0.01881417	-0.0146937	0.05720272	-0.0210721	0.04190565	-0.04190565
ZWINT	0.01444104	0.07462859	-0.05328993	-0.07728734	-0.0011314	-0.02326002	-0.3156413	0.3156413
DOCK4	0.07120758	0.02491127	0.1721482	0.0534372	0.04779853	0.02306752	0.2032069	-0.2032069
COG5	0.06783598	0.03366673	0.08376167	0.03544047	0.0444903	0.00154927	-0.1347069	0.1347069
BCAP31	-0.02649904	0.1517268	-0.01694561	-0.03440234	-0.05626696	-0.02098867	-0.1747714	0.1747714
UBC	-0.01370919	-0.00850588	-0.00432948	0.01933401	0.05559578	0.07436375	0.04014678	-0.04014678
CDPF1	-0.08283299	-0.01991491	0.01334485	-0.1248588	0.01713573	-0.08855074	0.09451222	-0.09451222
H1FX	-0.0179814	-0.0603659	-0.01822824	-0.03217719	-0.03621203	-0.00623931	0.1233156	-0.1233156
FNIP1	0.08236819	0.02672382	0.1490066	0.0780544	0.00475684	0.1002324	0.00821188	-0.00821188
PCCB	-0.08454397	0.1021204	0.0708894	0.0038413	-0.03779753	-0.01779765	-0.2053229	0.2053229
WASHC2C	0.07931029	0.00424634	0.1940334	0.00028924	0.06776493	0.06864448	0.00464897	-0.00464897
DNAJC8	-0.09925809	0.01973478	0.0754262	0.01855419	0.02042487	0.0043277	0.00616562	-0.00616562
P4HA3	-0.02331175	-0.04127138	0.09854431	0.08397264	-0.02723693	0.00743621	0.4922758	-0.4922758
GSTP1	-0.06736559	0.07228652	-0.04568498	0.00162833	-0.04558077	0.01480716	-0.04705378	0.04705378
ZNF524	-0.06354933	0.02751716	-0.09919897	-0.09637698	-0.03864828	-0.07739118	0.07148292	-0.07148292
SDC2	0.0384318	-0.1004161	0.0933789	0.02115823	-0.01849597	-0.04708749	0.4602376	-0.4602376
TNFRSF1B	0.03846887	-0.01133259	0.1387273	0.04064151	0.00500868	0.07034697	0.0214615	-0.0214615
NAXE	-0.07465172	-0.04808392	-0.08581583	-0.04608429	0.04597438	-0.02142473	-0.05451194	0.05451194
BMT2	0.0623317	-0.05738517	0.1800834	0.05168055	0.04514551	0.02674473	0.1470503	-0.1470503
NSUN6	-0.01986005	0.1038307	0.09997734	0.02458657	0.04798108	0.05189937	-0.1963775	0.1963775
LIN52	0.00323433	0.02646852	0.1255758	-0.02411865	-0.01210209	0.03071303	0.02844797	-0.02844797
KYNU	0.00139664	0.02103011	0.04653114	0.0935264	0.00869885	0.08197008	-0.01034252	0.01034252
FBXL4	-0.07710865	0.0493843	0.1276239	0.05951366	-0.01296644	0.08875195	-0.1091045	0.1091045
TIMM23B	0.09795732	-0.03088181	0.1287823	0.0382667	0.03420483	0.1118531	-0.01674889	0.01674889
PMF1-BGLAP	-0.01561947	-0.06393598	0.04821062	0.08037147	0.06243597	-0.01443111	0.1454704	-0.1454704
MSLN	0.04556312	-0.0020869	0.00730816	-0.02446606	-0.02973405	0.04032786	0.00611926	-0.00611926
CEP135	-0.06740676	0.04293721	0.1890367	0.1144605	0.00284491	0.1689391	-0.1215164	0.1215164
DHFR	-0.02591727	0.06258814	0.06356642	-0.01999041	-0.02657298	0.06343915	-0.2010318	0.2010318
ACSL5	0.08574987	0.08955836	0.01405737	-0.09575777	-0.01848934	-0.01418474	-0.2021139	0.2021139
GPR27	0.00996943	-0.06525758	-0.1009331	0.02313404	0.00371785	0.0101383	0.06913815	-0.06913815
CITED1	-0.05467244	0.1224688	-0.06806689	-0.1286345	0.03016178	-0.1047619	-0.05714014	0.05714014
MRS2	-0.03893908	0.07762115	0.07214486	0.04506581	-0.00753325	0.02626918	-0.1806255	0.1806255

COL9A1	0.01593691	0.0121911	0.07412556	0.0848449	-0.0099728	0.00792376	0.06658596	-0.06658596
NR1H2	-0.06517348	-0.02763491	0.01118651	-0.07464549	-0.01391625	-0.03398751	0.2554011	-0.2554011
SELENOM	-0.00704705	-0.1140064	0.05261255	-0.02834755	-0.00333174	-0.06998137	0.529213	-0.529213
RBP4	-0.03536616	0.03399132	0.03090225	0.07952423	-0.00294321	-0.01720073	-0.06037271	0.06037271
NTMT1	-0.05830256	0.1218824	0.04873494	-0.1196367	-0.01120986	0.01392661	-0.05890671	0.05890671
CLCN1	0.01141489	-0.06099735	-0.04247467	-0.08094813	0.09975199	-0.08387649	-0.04486396	0.04486396
LYSMD1	-0.01345792	-0.05634355	-0.02679264	-0.06295009	0.02049674	-0.06410503	0.02620018	-0.02620018
ZNF808	0.00377369	0.01842237	0.1350947	0.02062999	0.01101527	0.03140986	0.02979307	-0.02979307
NELFCD	-0.02594317	0.03303196	0.02763147	0.01809116	-0.01660939	0.03179103	-0.1539935	0.1539935
HMGB1	-0.04925211	0.1285114	0.09744975	-0.01065231	-0.01072974	0.0455318	-0.1184222	0.1184222
CCNF	-0.08808362	0.07570939	-0.00998353	0.00746796	-0.02026712	0.04481445	-0.2366561	0.2366561
RSPH9	0.00414227	0.08926599	-0.03080024	-0.05154887	-0.02223071	-0.0125632	-0.0030058	0.0030058
THSD1	0.05721496	-0.08829723	0.06283603	0.08642561	0.07056667	0.01559153	0.3681276	-0.3681276
CD82	0.0054905	-0.00420997	0.03746354	-0.01803841	-0.0223588	0.04541376	-0.01604385	0.01604385
KDM5C	-0.306994	0.08724235	0.03444218	-0.07540998	0.00545656	0.06770667	-0.06860006	0.06860006
ZSCAN30	0.04771198	0.03326646	0.103671	0.07873578	-0.00438432	0.08002073	0.03726812	-0.03726812
FAM111B	-0.05015195	0.08442541	0.01036185	-0.03149045	0.00664783	0.06964684	-0.2060136	0.2060136
UBQLN1	-0.09360732	0.07777887	0.06803362	-0.06563549	0.04249025	0.01788675	-0.1441317	0.1441317
FNDC10	-0.1201108	-0.04412247	0.03287519	-0.00483847	0.02523609	0.1021478	-0.03523065	0.03523065
ZC2HC1A	-0.04191792	-0.01130843	0.1491385	0.09556552	-0.03097463	0.03372903	0.2734375	-0.2734375
GNPTG	0.05115418	-0.02460394	0.0457984	-0.02471222	0.03902862	-0.04001957	0.1978784	-0.1978784
TCP11L1	-0.00436763	-0.07105365	0.1333571	0.03321141	0.02457853	0.06040876	0.3041416	-0.3041416
DEPDC1B	0.06164411	-0.01118544	0.03222104	0.02865379	-0.04216713	0.04600312	-0.2368996	0.2368996
GRID2IP	0.09721564	-0.01902098	-0.00535645	-0.07546942	0.085847	-0.01242244	0.00216412	-0.00216412
ATXN2L	0.08880756	0.04676889	0.05688276	0.05037304	0.1244827	0.1171839	-0.08477543	0.08477543
VPS35	0.03549192	-0.04547041	0.1342929	0.1108405	0.07587106	0.1194023	-0.1582679	0.1582679
CEP68	0.05128204	-0.1503067	0.09295715	0.01189726	0.0365158	-0.01294425	0.2979669	-0.2979669
GJB2	0.00346171	0.00081544	-0.1158881	-0.05859618	-0.04838362	-0.02093604	-0.06323555	0.06323555
TCF3	0.00372982	0.102155	0.01033128	-0.0852233	0.00154792	-0.01540679	-0.1067368	0.1067368
TLK1	0.03112596	-0.00865232	0.2061252	0.1065025	0.01321351	0.09974929	0.0053431	-0.0053431
DHPS	0.02120905	0.1202404	-0.05356346	-0.05068742	0.00296692	-0.02970732	-0.02923068	0.02923068
EVA1B	0.00810993	-0.06337274	0.05371444	0.0204081	0.00072789	0.06642811	0.5548242	-0.5548242
PPARD	0.07916218	0.02302215	-0.0435475	-0.02610621	-0.04693829	-0.01510043	-0.08150572	0.08150572
SCARF1	0.05045738	0.06675123	0.127854	0.04639826	0.03974887	0.07221609	0.2490649	-0.2490649
CYP4F3	0.1326875	-0.06464834	-0.04321162	0.02070779	0.1301228	0.04277166	-0.1864011	0.1864011
ZCRB1	-0.01854068	-0.07755669	0.05880106	0.01883161	0.00942221	0.06322934	0.1368667	-0.1368667
PIH1D1	-0.0684374	0.05068245	-0.06818689	-0.0127174	-0.02512855	0.00016065	-0.1128269	0.1128269
KDM8	0.05584948	-0.00266436	0.00185178	0.06378448	0.09530931	0.05812046	0.06799537	-0.06799537
SMARCD2	-0.01931908	0.04632806	-0.02299499	-0.0914358	0.09941985	-0.01333851	-0.2096147	0.2096147
ZNF276	-0.00417092	0.05903253	0.08858153	0.1396312	0.08635905	0.09575024	-0.04396841	0.04396841
ING4	-0.00718136	-0.03313602	0.06973206	0.03492506	-0.02181303	0.02508347	0.1531705	-0.1531705
CCL19	-0.01590399	-0.1335557	0.02086906	0.00748935	0.04454766	-0.06011833	0.2815748	-0.2815748
MAVS	0.1001476	-0.02866946	0.02135134	-0.01471649	0.00124215	0.04124893	-0.03727795	0.03727795
HPS3	-0.01189951	0.08063539	0.1622532	0.07579642	0.01674247	0.08992172	-0.08849243	0.08849243
RBBP8	0.00396846	0.08406743	0.08970255	-0.01645478	0.00371273	0.01023728	-0.2321452	0.2321452
CALCOCO2	0.03492785	0.1508609	0.09336774	0.01421937	0.02259487	0.04135755	-0.1316231	0.1316231
FBP2	-0.03378193	-0.03888639	-0.07644971	-0.0148672	-0.03443252	-0.03894523	-0.09189585	0.09189585
TRIM45	-0.01065367	-0.02166855	-0.06757995	-0.02305714	-0.0069195	-0.06874747	-0.02823766	0.02823766
FARSB	-0.06137457	0.0417006	0.01007466	0.00894592	0.05831846	0.06824464	-0.2832373	0.2832373
EPHA4	0.06102267	-0.1322318	0.01950428	0.00581191	0.01563528	0.00862218	0.1458852	-0.1458852
CIPC	0.00280485	-0.05290372	0.09842775	-0.00532971	0.00651057	0.00948886	0.02440714	-0.02440714
EIF2AK1	0.07509379	0.07419584	0.03674812	0.00422062	0.00110703	0.02084911	-0.2487513	0.2487513
CORO1B	-0.01991684	0.1274009	0.03750228	-0.02228056	-0.08997638	0.02955816	-0.1079502	0.1079502
STIP1	-0.1525459	0.07377934	-0.00475879	-0.04042792	-0.02157583	0.01379111	-0.1493671	0.1493671
ZNF831	0.02534323	-0.09715021	0.06397967	-0.0214994	0.01516051	0.01649515	0.02813573	-0.02813573
LCOR	-0.01918254	0.06098773	0.06363833	0.05190269	-0.00302677	0.1188415	-0.2702082	0.2702082
MRE11	0.06561412	0.0363933	0.1050542	0.09001906	0.01357029	0.1056146	-0.1155527	0.1155527
BICC1	0.01845038	-0.1480804	0.1458385	0.1009112	0.01453868	0.04070903	0.5722895	-0.5722895
CYP4F12	0.1051723	0.07670398	-0.05434679	-0.00479193	0.08464587	0.01739386	-0.2833514	0.2833514
CASP8	-0.08129983	0.1429647	0.1292609	0.06996067	-0.00155628	0.0829603	-0.2517101	0.2517101
KARS	-0.1058236	0.1362547	0.1431226	0.01795758	0.06963037	0.07063517	-0.2097291	0.2097291

RCOR2	-0.0149149	-0.01390844	0.00902234	-0.05065138	0.00844207	-0.03701359	-0.09844936	0.09844936
TGOLN2	0.1197052	-0.01677	0.1134284	0.1215087	-0.01384543	0.1085238	-0.03213034	0.03213034
PSRC1	-0.02755076	0.0557837	-0.00700271	-0.00424981	-0.01369685	0.03789859	-0.1433382	0.1433382
FUT10	-0.0857643	0.09690947	0.06535063	-0.03035565	-0.03886601	-0.05165301	-0.1382856	0.1382856
CYGB	0.0494387	-0.06829657	0.05207171	-0.0138405	0.00533432	0.01914097	0.5127126	-0.5127126
CTLA4	0.04418357	-0.1122649	0.00280087	0.01210917	-0.03224082	0.0198015	-0.03553858	0.03553858
PHC3	0.02969937	-0.04252451	0.1987946	0.1094505	0.00046679	0.1346755	0.08192433	-0.08192433
P4HA2	0.06707071	0.03382049	-0.0216796	0.06737767	-0.029476	-0.00711982	-0.00264595	0.00264595
HIVEP1	0.02263207	-0.00012468	0.140465	0.09084796	0.00893048	0.1356972	0.03250747	-0.03250747
DAPK2	0.128188	0.1210318	-0.08121734	-0.08099951	-0.02372909	-0.06771776	-0.1717288	0.1717288
AQP1	-0.00976069	0.05395368	-0.06053462	-0.05613987	0.2355677	-0.1146389	0.1188404	-0.1188404
ANKRD37	-0.06779702	-0.1041409	0.01467332	0.01240383	-0.00668753	0.00264656	-0.04104443	0.04104443
TTL2	0.07149383	0.04564194	0.02898897	-0.03332165	-0.01304297	-0.06419358	-0.1332695	0.1332695
PPP1R11	0.01001879	0.1020939	-0.1242127	-0.03988402	-0.04563152	-0.0660119	-0.1115131	0.1115131
STK10	0.00573918	0.00294481	0.1377565	0.1060378	0.05597377	0.1243636	0.2287474	-0.2287474
SLC16A7	0.02496954	-0.1553051	0.03192851	-0.00415537	-0.00217788	0.0041955	0.2072324	-0.2072324
CASC3	0.04592721	0.02791933	-0.01853364	-0.02075798	0.01641425	0.02731837	-0.09579295	0.09579295
NPHP1	0.05706261	-0.08276833	-0.00525769	-0.00961326	0.00660814	-0.0130455	0.164615	-0.164615
GPATCH2	0.05502835	-0.01323344	0.151322	0.04393399	0.0401648	0.1223816	-0.08256293	0.08256293
SLC44A4	0.0525428	0.05232398	-0.1008456	0.0430683	-0.06386412	-0.0749086	-0.2572158	0.2572158
TMX1	-0.03548671	0.1112571	0.1396265	0.07234822	-0.01947308	0.1025412	-0.2198937	0.2198937
ZNF239	0.00427795	0.09563436	0.1150136	0.02596353	-0.02812371	0.0441713	-0.210761	0.210761
BICD2	-0.01301626	-0.06998877	0.03754524	0.05787035	0.01652228	0.0713248	0.1454707	-0.1454707
MBD4	0.00280542	-0.02939534	0.0064162	0.05357827	-0.0385691	0.05932775	-0.1696254	0.1696254
CEBPZ	-0.01262376	0.06483898	0.1875637	0.1163591	0.02850145	0.1541737	-0.2318482	0.2318482
PAX9	0.03237512	0.01105776	-0.1850542	-0.08756436	-0.02665471	-0.08439164	-0.1227627	0.1227627
ATG101	-0.00310438	-0.01615817	-0.05564187	-0.0881391	-0.03618162	0.01664544	0.00150313	-0.00150313
SLC25A25	0.06086539	0.01314895	-0.04134545	-0.03834468	-0.00727374	0.03783541	-0.0859308	0.0859308
AK6	-0.07809006	0.06998886	0.07587383	0.05867177	-0.0015768	0.07653757	-0.1873702	0.1873702
ETFRF1	-0.05462798	0.03577004	-0.00837871	0.07707146	-0.02892982	0.0513561	0.05092269	-0.05092269
ZBTB1	0.014384	0.02774597	0.1684182	0.1223991	-0.00757954	0.1406469	-0.02112862	0.02112862
ELOA	-0.02535125	-0.02602576	-0.00658534	0.03710119	0.02072621	0.04910943	-0.131864	0.131864
MRPS9	-0.04713891	0.109434	0.06293721	0.00690898	-0.04619579	0.02629581	-0.2637102	0.2637102
POLD4	0.03960274	0.06952515	0.07893232	0.09167786	-0.02658938	0.06890343	-0.03876585	0.03876585
NFATC1	-0.08588216	-0.02872954	0.1270137	0.07162207	0.05160257	0.1064554	0.2122142	-0.2122142
TRMT61B	0.02119957	-0.00532388	0.07300021	0.06620393	0.06278837	0.05418768	-0.1836002	0.1836002
ZNF706	-0.01002284	0.1359304	-0.00206752	-0.06557655	0.05211408	0.01534841	-0.08273229	0.08273229
PRDM5	0.02218252	-0.1144227	0.03133364	0.09824994	0.04817229	0.00684294	0.297987	-0.297987
CLIC4	0.00777487	-0.1509353	0.1752951	0.06664239	0.01439503	-0.01508026	0.4763858	-0.4763858
HINT1	-0.09442713	0.00958475	0.07214245	0.03242745	-0.03175042	0.07132355	-0.02474706	0.02474706
FCER2	-0.02394914	-0.1362021	-0.01922285	-0.00282115	0.0483476	-0.02992061	0.09928351	-0.09928351
FCRL3	-0.05655461	-0.08333445	0.0659554	0.07530485	0.02285827	0.04571828	0.1010264	-0.1010264
UCN	-0.00596286	0.01994522	0.03188119	-0.0023401	-0.02487682	0.05639239	-0.1261715	0.1261715
SYTL5	-0.04233113	0.03663819	-0.02770378	0.0568794	0.05979357	0.0242403	-0.05588398	0.05588398
TCEAL9	0.03091417	-0.04559669	0.11533	0.03703355	-0.0170537	0.06965924	0.1653596	-0.1653596
PHF23	-0.1256342	0.08123546	-0.01741302	-0.0744596	-0.07102536	-0.01121582	0.04225617	-0.04225617
HAUS2	0.0415985	-0.0009861	0.1444339	-0.00935264	0.03123413	0.05751526	-0.07952615	0.07952615
RPUSD1	-0.0357324	0.05673404	-0.02230607	-0.06943893	-0.02922958	0.01586324	-0.148307	0.148307
NOSTRIN	0.01425564	0.08903635	0.03742225	0.09846396	0.00268156	-0.0032327	-0.2244692	0.2244692
ABHD8	-0.02199489	-0.09968612	-0.04151735	-0.03565355	0.03033848	-0.04674392	0.2705594	-0.2705594
SLAIN1	0.02925632	-0.0529105	0.03513802	0.07207215	-0.06456647	0.05246037	0.0578342	-0.0578342
TMEM131	0.0373443	0.016142	0.05663182	0.1207943	-0.02000481	0.0761793	-0.07569794	0.07569794
PDHA1	0.01966876	0.08872739	0.02166116	-0.02058087	-0.00778747	0.03846239	-0.2608711	0.2608711
ZMAT1	-0.05405511	-0.0712857	0.1225762	0.05400327	0.02942024	0.05419105	0.186748	-0.186748
ATP7B	0.1191811	0.05539838	-0.00179952	0.03235466	0.1416602	0.03426522	-0.250029	0.250029
PELP1	0.02030187	0.05217558	0.06084068	-0.0229231	-0.03633129	0.08246476	-0.01982197	0.01982197
XRCC2	-0.04664263	0.0885601	0.07227995	-0.00910125	0.04359128	0.07492902	-0.2697715	0.2697715
GNG3	0.02147218	0.00439753	0.07615254	-0.04388778	0.087009	0.04159881	0.03065804	-0.03065804
MAGT1	0.05605246	0.06518686	0.07516748	0.0055929	-0.01483417	0.02555355	-0.1807655	0.1807655
SDF2L1	-0.113366	0.07589464	6.50E-05	-0.0117565	-0.03056165	0.04714142	-0.01234304	0.01234304
HIST1H4A	-0.02622818	0.04238813	-0.08158681	-0.1348851	-0.06353114	-0.07155575	-0.1127306	0.1127306

CFAP53	0.01717152	0.1461009	-0.08312842	-0.0612945	0.09294687	-0.04651267	-0.06638399	0.06638399
OXSRI	-0.1156734	0.1089951	0.07919348	0.01673589	-0.01708132	0.04137533	-0.1523538	0.1523538
COQ10B	-0.03511261	0.1052589	0.1419941	0.03314786	-0.02490398	0.00737434	-0.04006949	0.04006949
DYSF	0.08837849	0.02474229	0.1200032	0.04415224	0.03069077	0.03061113	0.3095614	-0.3095614
ZBTB33	-0.01223114	0.05314722	0.04665458	0.00812935	-0.03675723	0.1096531	-0.1864569	0.1864569
ADGRF4	0.07835171	0.06405285	-0.00993627	-0.00865849	0.05279127	0.04605793	-0.1364184	0.1364184
NPC1	0.03622277	0.05173861	0.125487	0.1074254	0.02985447	0.09309719	-0.01255279	0.01255279
MED21	-0.0395794	-0.02625529	0.1129452	0.08232765	-0.00443566	0.0781561	0.01174125	-0.01174125
ATG12	-0.01387987	0.0792863	0.1009466	0.09902152	-0.0050686	0.0220635	0.1089037	-0.1089037
PRSS36	0.07299034	0.08546011	-0.06126129	-0.06124324	-0.00056622	-0.09151864	-0.053575	0.053575
MAP3K3	0.01043246	-0.1189234	0.1599504	0.04531248	0.05134995	0.04995876	0.4879902	-0.4879902
HSF2	-0.04464527	0.00406211	0.1057719	0.01283945	0.04500254	0.00648576	-0.00277366	0.00277366
FAM124B	0.01643699	-0.1376976	0.1439108	0.04819176	0.03563937	0.03224313	0.4295224	-0.4295224
GLCCI1	-0.00480137	0.01654555	0.1761827	0.1150268	-0.02815832	0.04482637	-0.01423817	0.01423817
STXBP6	0.03559977	0.06933305	0.06084081	-0.0599415	-0.02185617	-0.01845056	-0.01195511	0.01195511
PAGR1	0.02533114	0.02741983	-0.06924272	-0.03278094	0.07179549	-0.01986954	-0.04784726	0.04784726
KLHL42	-0.02777102	-0.09357043	0.1214832	0.06431296	-0.02370676	0.03693175	0.1986325	-0.1986325
ZADH2	-0.07220575	0.1007492	0.153425	0.06435595	0.00198677	0.0551501	-0.1100123	0.1100123
FAM117B	-0.02871236	0.0598765	0.1549988	0.0773417	0.01093644	0.09343385	-0.1805156	0.1805156
PREPL	0.01059839	0.01539255	0.1260033	0.09868003	0.02085064	0.06990526	-0.03388229	0.03388229
ZKSCAN2	0.04748762	-0.00416528	0.06264056	0.05108637	0.1825815	0.0652616	-0.01559082	0.01559082
GNPAT	0.1462175	-0.008876	0.08240906	0.05457095	0.0738535	0.05461308	-0.09382885	0.09382885
ADGRG7	0.01660488	0.02230891	0.02022121	0.07975536	-0.0488109	0.05095417	-0.1981828	0.1981828
RSF1	0.00314755	0.06443793	0.1872278	0.0897593	-0.02957087	0.1131473	0.0279044	-0.0279044
PNMA8A	-0.04292406	-0.08807425	-0.01162394	0.07673964	-0.00933561	0.04824293	0.2074144	-0.2074144
SPAG4	0.03322717	0.1081644	0.01669144	0.01569393	0.0499428	-0.0243799	0.1108614	-0.1108614
MSX1	-0.06895698	-0.02976037	0.07921017	-0.07935909	-0.0206327	0.01112383	0.00128782	-0.00128782
GIMAP5	-0.013852	-0.05128031	0.1952833	0.1317672	0.06899643	0.1030395	0.2041418	-0.2041418
ATP7A	0.0346217	-0.01441367	0.08212581	0.04538639	0.00110017	0.06132828	-0.05749082	0.05749082
COPS2	-0.01388727	-0.05728111	0.1651292	0.1030604	-0.02728158	0.07947089	-0.04464908	0.04464908
NDFIP1	-0.02333036	-0.07144725	0.08020263	0.06685494	-0.02115895	0.1039413	0.00468184	-0.00468184
MMP14	0.1015826	0.03036614	0.05822671	-0.03185988	-0.01064105	0.01291067	0.4077532	-0.4077532
CAB39L	0.06385392	-0.1260573	0.02078477	-0.08025253	-0.00818241	-0.06613569	0.2147163	-0.2147163
KDM5A	-0.02715357	-0.00704427	0.1375807	0.1198728	-0.0337264	0.1233189	0.0280443	-0.0280443
PRAME	-0.1245248	0.0043885	-0.04886922	-0.02522934	-0.03805894	0.03042295	0.03558299	-0.03558299
OCRL	0.07196602	-0.00227524	0.08494614	0.043063	-0.00326998	0.06359263	-0.02370666	0.02370666
ZNF322	0.04428034	0.01712716	0.1265219	0.04428518	-0.01037714	0.04329882	-0.03051168	0.03051168
RAB25	0.02659702	0.09244734	-0.1862033	-0.08718121	-0.03513951	-0.09671092	-0.3165553	0.3165553
MAP6	-0.07085001	-0.1783532	0.08474015	0.03232212	0.01069556	-0.00290996	0.3831399	-0.3831399
GABRB3	-0.06623374	0.07159483	0.0265956	0.05731012	0.03052856	0.08857167	-0.06736524	0.06736524
CYP51A1	-0.04321139	0.05437687	0.00700353	0.0235663	-0.03880008	0.06250053	-0.06196339	0.06196339
PLEKHA3	0.01578094	-0.02775994	0.1548321	0.05573875	0.01000546	0.03188567	0.1014497	-0.1014497
CD81	-0.01884052	-0.07103553	0.162182	-0.00430999	0.00532351	0.01352612	0.4016099	-0.4016099
C12orf65	-0.026419	-0.00714864	0.0803297	0.03391231	-0.03050913	0.0373511	0.05501884	-0.05501884
PAFAH2	-0.01346784	0.05927491	-0.05198779	0.0439795	-0.00876755	-0.01461405	-0.2061077	0.2061077
HS3ST3B1	0.00366276	0.02698225	-0.02581368	-0.06271558	0.1375894	-0.0602213	0.1429034	-0.1429034
CHI3L2	-0.00855519	-0.04981264	0.04354555	-0.00403985	0.00641881	-0.02316249	0.1957311	-0.1957311
HMBBOX1	0.02858318	-0.05707732	0.01917325	0.02440608	-0.07960453	-0.06708305	0.01993277	-0.01993277
ZNF585B	-0.02637742	-0.05237499	0.151384	0.08468805	0.1375262	0.09488812	0.1630302	-0.1630302
C19orf48	-0.02598125	0.09087408	-0.09361457	-0.07212341	0.05381894	0.017652	-0.1353242	0.1353242
RBKS	-0.08395468	0.03447786	-0.056709	0.01416774	0.01389266	-0.0605554	-0.2243381	0.2243381
LEMD1	0.08087927	0.02862932	0.05710709	-0.05782672	0.09444426	0.05872709	0.04665867	-0.04665867
RNA5H2A	-0.01713975	0.07105228	-0.06605177	-0.1137874	-0.00666316	-0.00122621	-0.1823597	0.1823597
ABLIM1	0.1058754	-0.00917776	-0.04340106	0.03822977	-0.04046708	0.02580464	-0.1358344	0.1358344
RRM2	-0.07712968	0.1004951	-0.00881496	0.00550241	-0.03491324	0.04728937	-0.3179059	0.3179059
DDHD1	-0.09430574	0.07258457	0.1761908	0.1053805	0.0130423	0.13064	0.01571153	-0.01571153
PINLYP	0.01830473	-0.159944	0.0019007	0.02658515	0.02837129	-0.02303062	0.2515148	-0.2515148
LSM7	-0.08883449	0.07525112	0.01460316	-0.1067985	0.01819364	0.01328774	-0.109435	0.109435
HARBI1	0.01540985	0.04690827	0.05463579	-0.02243373	0.0477316	0.04943224	-0.08074339	0.08074339
MOB2	-0.05210333	-0.06678335	0.08922066	-0.01715736	-0.03522418	0.0353848	0.3474463	-0.3474463
MAPKAP1	0.02849131	-0.05953145	0.1365946	-0.00018232	-0.00529144	-0.01068647	0.2288866	-0.2288866

RPS6KB2	-0.0541154	0.06603947	-0.04096079	-0.07043071	-0.04086433	-0.01567767	-0.1713341	0.1713341
VAT1L	-0.04347519	-0.1323665	0.08737438	-0.0126759	-0.04843771	0.01545948	0.1951117	-0.1951117
EIF4EBP2	0.08635276	-0.05846876	0.06513621	0.06464676	-0.07896222	0.04246456	-0.1152519	0.1152519
WDR12	-0.08319441	0.1412492	0.05469241	0.01279141	-0.00314732	0.03788423	-0.2315425	0.2315425
AGBL5	0.03171067	-0.05984057	0.01712591	0.0099087	0.01832379	-0.01245475	0.01684845	-0.01684845
CCDC159	0.05772638	-0.09746077	-0.01806956	-0.06603628	0.01960544	-0.1094824	0.1238966	-0.1238966
ERGIC2	-0.09501491	-0.02961565	0.03949877	0.09683914	-0.01472609	0.05662838	0.08364869	-0.08364869
TMEM154	0.05360279	-0.03997822	-0.1066219	-0.00839356	0.00344756	-0.02339848	-0.01079509	0.01079509
ACADM	-0.02829318	0.06297328	-0.06309046	0.02605627	0.0213935	-0.07084722	-0.1772474	0.1772474
KIF3C	-0.01300596	-0.06330115	-0.02567402	-0.03829309	-0.01634149	-0.02924371	0.2939378	-0.2939378
C12orf75	0.04638016	-0.01234711	-0.00545894	-0.0077197	0.01141309	0.0142205	-0.1054524	0.1054524
SH3GLB1	0.04946758	0.04228458	0.1527562	0.04226785	0.00291519	0.03522117	0.124124	-0.124124
CRABP1	0.00872453	0.08203525	-0.03905871	-0.06312117	0.02589705	-0.00562549	-0.09682524	0.09682524
TIMD4	-0.04157509	-0.07695464	0.08821521	0.0774917	0.05473369	-0.01399224	0.1305557	-0.1305557
SREK1	0.114648	0.06540958	0.1343419	0.1043597	-0.03486394	0.1459354	-0.05967701	0.05967701
FBXL13	0.03682608	-0.1545599	0.07234571	0.04416274	0.05706078	0.09718929	-0.01093458	0.01093458
MST1	0.00819935	0.06115248	0.02073814	0.09436564	-0.03231618	0.0411219	-0.09788297	0.09788297
CCL21	-0.04734148	-0.09562058	0.05984116	0.00138989	0.1286602	-0.01237824	0.1756542	-0.1756542
PDZD3	0.04990469	0.0880568	0.04248942	0.04906189	0.03785225	0.07821082	-0.2264007	0.2264007
SLC16A10	0.02210144	0.0239298	-0.04134953	-0.0074175	-0.0580758	-0.06592341	-0.00664943	0.00664943
FAM207A	-0.07520195	-0.01718311	-0.00187074	-0.11219	0.00317456	0.01280381	-0.05701924	0.05701924
HAUS3	9.02E-05	0.01417836	0.1180857	0.05718079	-0.02244363	0.09668229	-0.1049064	0.1049064
CDC42EP5	-0.0522399	0.1380363	-0.06848434	-0.1191997	-0.05885169	-0.08543937	-0.06278656	0.06278656
PACS1	0.02953889	-0.06936981	0.08079227	0.0735921	0.01434861	0.08350749	0.2776835	-0.2776835
MTA2	-0.08771852	0.1688113	0.0032456	-0.07036037	0.09666709	-0.0093519	-0.09842519	0.09842519
ZNF138	0.02004864	0.06467243	0.07088055	0.07122727	0.01554064	0.0568082	-0.2022014	0.2022014
DENND11	0.1640846	0.09146162	-0.02078654	-0.07935144	0.02105707	-0.03369848	-0.2119567	0.2119567
TMEM140	0.02650944	-0.00184982	0.145081	0.04529787	0.04444583	0.0894456	0.2538324	-0.2538324
ATP6AP1L	0.02819006	0.00556481	0.06519746	-0.00927032	-0.01688325	-0.00162545	0.1374559	-0.1374559
PFN4	0.06078606	-0.1239303	-0.04920807	-0.09229274	-0.00611644	-0.06843821	-0.02733248	0.02733248
NEDD4	0.08329767	-0.0028413	0.1628928	0.05907374	0.03078043	0.06228553	0.09136738	-0.09136738
PTPRR	-0.04730884	0.08668063	0.06835753	0.09252494	0.1230855	0.1173361	-0.08792811	0.08792811
VSTM2L	0.01983121	-0.09183894	-0.02660668	0.1020628	-0.03011768	0.05215677	0.09765905	-0.09765905
RNF121	0.02814804	0.04739648	0.04249385	0.02740587	-0.02510791	0.0722187	0.07068287	-0.07068287
DHX9	-0.03475225	0.04639167	0.1037355	0.05144505	0.04752232	0.1047967	-0.2290425	0.2290425
DPP8	0.07488427	-0.01188139	0.1503327	0.07308756	0.05066891	0.07345493	0.00428801	-0.00428801
SDSL	0.02251377	-0.06481219	-0.02848909	-0.04521113	-0.02809755	0.00415464	0.00133306	-0.00133306
ATN1	0.01568092	-0.05514301	0.07857955	0.00303449	-0.030435	0.02413597	0.2534624	-0.2534624
EVI2B	-0.03366025	-0.06774987	0.1887579	0.1123197	0.04607182	0.05646999	0.246431	-0.246431
LYRM9	0.04630744	-0.00129334	0.01351288	0.07264334	-0.00312964	0.08938504	-0.01016898	0.01016898
ZNF419	0.0417405	0.06786669	0.00184406	0.02507536	0.00188602	-0.03394495	0.01192537	-0.01192537
GLS2	-0.0359579	-0.04819623	0.07096851	-0.08251064	0.01225578	0.03434144	-0.0629352	0.0629352
OSTC	-0.02497159	0.1119073	0.03126182	0.07457112	-0.05267254	0.00156113	-0.1321252	0.1321252
RAB6A	-0.03187985	0.09010126	0.09813279	0.02682977	-0.04939656	0.04928253	-0.07903379	0.07903379
CLDN2	0.02423074	0.00797498	0.02866321	-0.04816889	0.157122	0.02483046	-0.1046105	0.1046105
CLDN3	0.00281192	0.1605774	-0.07736847	-0.1158283	-0.06061981	-0.05329806	-0.03360621	0.03360621
TAF4	0.02610759	0.09877108	0.1057149	0.06839511	-0.01459804	0.1164394	-0.2135276	0.2135276
CHST3	-0.05237398	-0.03850202	0.02238241	0.1152143	-0.01266239	0.08935563	0.245429	-0.245429
SARS2	0.00122366	0.05551446	-0.05197993	0.04486859	-0.00305914	0.06132145	-0.1935729	0.1935729
SMARCA1	0.03146635	-0.04885519	0.06796636	0.07916762	0.0239063	-0.03086907	0.1978098	-0.1978098
RNF157	-0.01052921	-0.02670121	-0.00162422	-0.1224545	0.1501472	-0.04390234	-0.03318683	0.03318683
FERMT1	0.06664745	0.09593561	0.03143013	-0.0249812	-0.01026425	-0.00112464	-0.2004903	0.2004903
CBARP	-0.06767477	0.09048966	-0.02393442	0.01643148	0.01605895	0.03358534	0.04509952	-0.04509952
SCUBE3	0.01463479	0.02203088	0.1110634	-0.00102561	0.02484676	0.0700236	0.2414805	-0.2414805
MYO9B	0.03068672	0.01151817	0.1727845	0.0656115	0.03676034	0.1211479	0.1774012	-0.1774012
MLXIP	0.09001329	-0.04160039	0.00973854	-0.02228017	0.05591517	0.00871609	0.12042	-0.12042
LSM10	-0.1013044	-0.04220215	0.05966092	-0.015883	0.0270038	-0.0404691	0.2093455	-0.2093455
GSDMA	-0.05189847	0.07914775	-0.104154	-0.05925638	-0.00936514	-0.04162424	-0.09878676	0.09878676
ECHDC2	0.04950843	0.00539602	-0.0494626	0.0187245	-0.01837155	-0.0590078	-0.00938275	0.00938275
GLT8D1	0.03990603	0.01265471	0.1012476	0.03802472	-0.03495148	0.05349927	0.02335591	-0.02335591
CTAGE4	0.07523283	0.07917935	0.00725184	-0.0509621	0.00315626	-0.01800412	-0.1026917	0.1026917

SAMHD1	0.06729065	-0.01412604	0.2142215	0.06608292	0.03981967	0.106659	0.1391103	-0.1391103
CFD	0.01194333	-0.08144576	0.02522591	-0.00762121	-0.06468582	-0.07680941	0.2501122	-0.2501122
APCDD1L	-0.00174987	-0.04283605	-0.02526977	0.00218795	-0.01686868	-0.05255907	0.3328983	-0.3328983
STX6	0.04461218	-0.02023227	0.07962304	0.02663031	0.03810887	0.04612407	-0.1245473	0.1245473
HMOX2	-0.0438485	0.01239138	-0.04971073	-0.01990419	-0.00703661	-0.01977138	-0.07079122	0.07079122
PIK3R2	-0.01313283	0.00065449	0.1319514	-0.02152391	-0.0259424	0.0500542	-0.1914875	0.1914875
EGR2	0.03938966	-0.1604011	0.01076813	0.00371701	-0.02283491	0.01324576	0.05690239	-0.05690239
TTYH1	0.04016029	0.05116256	-0.0824504	-0.04898758	-0.02293019	-0.05483284	0.00854109	-0.00854109
CDKN1C	0.06680532	-0.04468428	-0.02902425	-0.01493799	1.84E-05	-0.02644831	0.1963433	-0.1963433
AGPAT5	-0.1017506	0.1502743	0.03734327	0.01613104	-0.05556451	-0.00414089	-0.251006	0.251006
TCAP	0.1200316	-0.01735282	0.01366342	0.00387756	0.03090857	0.03121115	0.00134586	-0.00134586
FEZ1	-0.02630201	-0.1379802	0.04342727	0.0348097	-0.02143885	-0.02665938	0.4244046	-0.4244046
NAT10	-0.0320759	0.04994601	0.1248122	0.02792808	0.00988592	0.1117717	-0.183751	0.183751
GRIN1	-0.108958	0.06905758	-0.01951971	-0.0417092	0.01067248	-0.02966039	0.01351899	-0.01351899
PPARGC1A	0.1005601	-0.06384097	-0.04963316	-0.00204522	0.00996408	0.04411308	0.00458656	-0.00458656
FAM3D	0.07435633	0.08449503	-0.06871276	-0.01859334	-0.02253736	-0.1464179	-0.1058675	0.1058675
SPR	-0.1067654	0.1265975	0.02042132	-0.09762009	-0.1100906	-0.01727596	-0.2335034	0.2335034
GGA3	0.08236722	0.0708979	0.03822023	0.04116153	0.08487367	0.06866238	-0.09751509	0.09751509
ADAM12	0.02417146	-0.01750346	0.08594941	0.01003034	-0.01969561	0.00735399	0.4587035	-0.4587035
XKR6	-0.0305071	-0.06424902	0.01373033	0.01052309	0.00770878	0.0613805	0.03735099	-0.03735099
USP54	0.0623069	0.1274519	-0.04815055	-0.00833418	0.03274387	0.0225448	-0.2095201	0.2095201
DCTD	-0.00626984	0.02982613	0.05068525	0.02661088	0.02418342	0.02380447	-0.04334866	0.04334866
EFCAB10	-0.1030627	-0.00376274	0.1069229	0.04608956	0.04061174	0.05902164	-0.01441644	0.01441644
TUT7	0.03528088	0.09995016	0.07422062	0.02643772	-0.02440394	0.0575628	-0.2198591	0.2198591
PLEKHF2	-0.05500826	-0.00711694	0.1217444	0.06568451	-0.01773506	0.08232405	-0.1516294	0.1516294
GPATCH3	-0.05259322	0.00071444	0.04639307	-0.0615637	0.01516057	0.03553349	-0.05383408	0.05383408
ACD	0.01904344	0.02618517	0.03614828	-0.04742441	0.05386353	0.05904633	-0.03820209	0.03820209
PLEKHA6	0.08847154	0.01954217	0.01912198	0.04536789	0.02873103	0.06356818	-0.2745513	0.2745513
PCM1	-0.1125236	-0.00936738	0.0693093	0.04390783	-0.03342333	0.01376032	-0.08585585	0.08585585
KIR2DL4	-0.04057962	0.137418	0.01570079	-0.09741434	-0.0101863	-0.01372199	-0.04413596	0.04413596
POP4	-0.03837935	-0.08307406	-0.04977016	-0.02697415	-0.04333218	0.00391748	0.00020104	-0.00020104
DMAP1	0.1189407	-0.02286397	0.00497012	0.03913795	0.0098135	0.04002009	-0.02259848	0.02259848
MUC1	0.1004699	0.01820734	-0.04139379	0.03129716	-0.03685326	0.02670014	-0.142526	0.142526
AQP9	0.04824482	0.1032843	-0.01211308	0.01680903	-0.03191252	-0.08466297	0.1011342	-0.1011342
C17orf113	0.05939902	0.01727781	0.08050073	-0.00887538	0.06577611	0.06694039	-0.03718705	0.03718705
ASIC3	0.05741161	0.00485997	-0.02612226	-0.07659811	-0.01633926	0.00751617	-0.06498373	0.06498373
SLC30A6	0.04486631	0.06090863	0.04874995	0.05527662	0.0183853	0.05226998	-0.2261358	0.2261358
HNRNPA1L2	0.1104508	-0.02604584	0.089624	0.0463405	0.03834004	0.1243888	0.01641768	-0.01641768
NACAD	-0.04862278	-0.1746551	0.0615117	0.01003989	0.08808803	-0.02762931	0.4414818	-0.4414818
SF3B2	-0.00902873	0.0919642	0.05494122	0.01929156	0.04048006	0.09572836	-0.08986518	0.08986518
EAPP	-0.02162273	0.1614537	0.04064645	0.0550516	-0.00880377	0.0727186	-0.0666831	0.0666831
REXO4	-0.03835733	0.07492261	-0.02859274	-0.09435341	-0.00871018	0.01355936	-0.1223888	0.1223888
KCTD20	0.02352096	0.04879293	0.159529	0.08894798	0.03075801	0.05194181	0.08814605	-0.08814605
MUS81	0.01291447	0.09964035	-0.01210839	-0.03174961	0.02136131	0.00469382	-0.02679198	0.02679198
RTN4RL1	0.05769794	0.01291388	-0.06138641	-0.05818251	0.1154697	-0.00067179	0.01332243	-0.01332243
GPN1	0.03713656	0.06722433	0.02190235	0.06930474	0.00869768	0.04047898	-0.2143002	0.2143002
ZNF770	-0.00115818	0.00080343	0.102886	0.02525168	0.01040251	0.07406028	-0.09755182	0.09755182
NAV1	0.02573834	-0.09843213	0.04808814	0.06323154	-0.01266267	0.04963008	0.3388462	-0.3388462
NFKBIZ	0.04630999	0.184042	-0.04477702	0.01688228	-0.03166636	0.01094917	-0.136718	0.136718
ZNF780B	0.02568327	0.00371826	0.1314916	0.07499355	0.03504626	0.1201091	0.00435273	-0.00435273
OTUD4	-0.01323164	0.09364533	0.1391549	0.09886406	0.07366608	0.1167725	-0.1212391	0.1212391
CEP128	-0.01300456	0.08333089	0.139048	0.1110607	0.05245885	0.1262698	-0.1314322	0.1314322
ACAP2	0.04224026	0.02362113	0.2088096	0.07029808	-0.01467467	0.09496838	-0.08518988	0.08518988
WDFY2	0.104612	0.01813068	-0.05533098	-0.0268259	-0.00301468	-0.02152632	-0.01244099	0.01244099
TMEM246	0.08154536	0.05929942	0.02599415	-0.07941534	-0.0320172	-0.01139475	-0.2592674	0.2592674
FAM83B	-0.06810148	0.1203182	0.1292294	-0.00348947	-0.01888666	0.05595022	-0.2958305	0.2958305
CRYL1	-0.00592311	0.01981533	-0.0478617	-0.04523471	-0.05198571	-0.05978335	-0.1749054	0.1749054
ARID5A	-0.01491217	-0.04848344	0.1857723	0.03396836	0.01014485	0.04046538	0.4566894	-0.4566894
PANO1	-0.02085012	0.03891791	0.0198269	-0.07747812	-0.03325534	0.01141345	0.00700441	-0.00700441
DAGLB	0.08393139	0.01632747	0.05237896	0.00561762	0.01368905	0.0528695	-0.08230346	0.08230346
DNAJC1	-0.07752046	-0.02340938	-0.01465616	-0.02753791	-0.07486699	-0.01125181	-0.01718675	0.01718675

RPS15	-0.09343094	-0.01464859	-0.04338115	-0.1159968	-0.04291043	-0.00260751	0.05792152	-0.05792152
FAM184A	-0.04964367	-0.01685417	0.00159681	0.06863321	0.06358598	0.0056225	0.07352207	-0.07352207
FZD5	-0.05151854	0.07037777	0.04491738	-0.05119022	0.01413931	0.00898083	-0.2479443	0.2479443
RFNG	0.03527935	0.01188368	-0.04907233	-0.02880792	0.01911485	-0.05422798	0.00976956	-0.00976956
IL17RA	-0.03252262	0.01520543	0.08934021	-0.03761446	0.00428104	0.03506663	0.09702746	-0.09702746
CD163	0.04122692	0.07103923	0.1841254	0.120414	0.01561096	-0.03041093	0.1697899	-0.1697899
ZNF630	0.1373459	-0.02188492	-0.00503262	0.03271479	0.03681772	0.00201037	0.01836383	-0.01836383
REG4	-0.05383561	0.02808302	0.03738934	0.04084236	-0.031431	0.04589177	-0.1293131	0.1293131
NFKB2	-0.0788514	0.08676245	0.03999554	-0.0473423	0.03898029	0.03420468	0.0849337	-0.0849337
KLLN	0.01494907	-0.03570376	0.05360238	-0.01926746	0.03707519	0.04044645	-0.1094222	0.1094222
BACH1	0.00696752	0.02280624	0.1621614	0.01082638	0.03766843	0.04823389	0.00103455	-0.00103455
CSTA	0.03226682	-0.02483102	-0.1703232	-0.06448543	-0.02934118	-0.06863387	-0.08447611	0.08447611
TAB1	0.05161019	0.03551518	0.01539859	-0.04656158	0.01997454	0.02394048	-0.02998917	0.02998917
GPC1	-0.0221708	-0.00693321	-0.00485978	-0.04940061	-0.06550343	0.00010111	0.1618244	-0.1618244
SYT17	0.00409493	0.0498683	-0.00623206	0.04139053	0.02665938	0.02811739	0.03589484	-0.03589484
YARS2	-0.1162801	0.00772299	0.050643	0.03848548	-0.00776814	0.08234562	-0.04457184	0.04457184
CARMIL2	-0.02561506	-0.04206073	0.05285024	0.01369493	0.06860488	0.05633216	0.03410233	-0.03410233
FBXO25	-0.04844814	0.02185174	-0.00419184	-0.01352077	-0.0914146	-0.05085689	-0.01001146	0.01001146
ANPEP	0.0058618	-0.05368001	-0.014909	0.07646646	-0.03327259	0.00146306	-0.00974606	0.00974606
CLDN4	0.06300956	0.1854801	-0.02410638	-0.04505617	0.0492196	-0.01810816	-0.09256569	0.09256569
C12orf45	-0.03055667	-0.06415863	0.04848752	-0.03329122	-0.02354863	0.05227176	-0.02200937	0.02200937
RASSF2	-0.04263925	-0.07308155	0.1047043	0.04544946	0.00074983	0.06138669	0.1814159	-0.1814159
SLC18B1	-0.01402161	0.171891	0.01426117	0.02239205	0.00195154	-0.01593372	-0.2952985	0.2952985
DHCR24	0.06658043	0.01533059	-0.1034571	-0.00169897	-0.01616485	0.02280252	-0.2607582	0.2607582
PGK1	-0.04456699	0.08806645	0.03500442	-0.03365939	0.0370187	0.03809308	-0.2176302	0.2176302
DDX19B	0.07574257	0.05816371	0.09743243	0.02648562	0.098197	0.00936261	-0.1186571	0.1186571
EIF1B	-0.1080057	-0.02291034	0.02449374	-0.03319225	-0.07784153	-0.03643886	0.0944783	-0.0944783
POLR2J	-0.02163668	-0.02639287	-0.01966478	-0.03193006	0.00539241	-0.01975706	0.01739017	-0.01739017
ERICH5	0.04084875	0.00468921	-0.03188443	0.02845031	0.03563344	0.09328662	-0.1080492	0.1080492
SCRIB	0.04543537	0.09101675	-0.04153376	-0.03598288	-0.01848188	0.02755669	-0.2041307	0.2041307
CYTH2	0.04707769	0.09482122	-0.02936869	-0.01206194	-0.00839117	0.02387913	0.02597323	-0.02597323
D2HGDH	0.1398482	0.07503118	-0.03157532	0.07916752	0.01993667	0.0699597	-0.1946831	0.1946831
BCL3	-0.05996464	0.06699244	-0.06004798	0.01680129	-0.03149128	0.03054074	-0.1310052	0.1310052
EXOC4	0.08768849	0.06035863	0.06736226	0.03970518	0.1122764	0.05165376	-0.08918425	0.08918425
SMIM31	0.06538506	0.1266823	-0.02812487	0.00819781	-0.05132775	-0.03043584	-0.1680799	0.1680799
GPR20	0.0262391	-0.09999975	0.06796177	0.03695736	0.00121557	0.03899621	0.1568335	-0.1568335
NDC1	-0.04487971	0.0981999	0.07146663	0.04065833	-0.0157499	0.07458783	-0.3482436	0.3482436
MAP1LC3A	-0.04650403	-0.00200617	-0.1012093	-0.08092549	0.00843562	-0.1076126	0.2465891	-0.2465891
NDUFAF6	-0.01824451	0.0843314	0.03602498	0.00453545	-0.0084064	-0.00976762	-0.2116799	0.2116799
PABPC1L	0.07623315	0.1261354	0.00096935	0.05805062	0.03930969	0.03505159	-0.1709506	0.1709506
PSMD11	0.01181612	0.07747117	-0.01210321	-0.02355271	0.01329435	0.01224295	-0.137596	0.137596
C11orf58	0.00811639	-0.0196817	0.1833088	0.08395555	-0.03737166	0.1106562	0.0408995	-0.0408995
ZNF891	0.0213407	-0.01646249	0.06678873	-0.03551513	-0.01955829	-0.04112767	0.00963731	-0.00963731
CES2	0.00383855	0.03852894	-0.05070103	0.0166441	0.02579505	-0.05413886	-0.2269241	0.2269241
SLC9A1	0.01073585	0.03132814	-0.07079091	0.01843973	-0.05919317	0.01617022	-0.2527636	0.2527636
RENBP	0.02047108	0.01453435	0.09808271	-0.02085683	0.01385535	0.03304098	0.03612944	-0.03612944
IFT80	0.05412055	0.02592841	0.09527648	0.1190131	0.00152063	0.07390813	-0.04164113	0.04164113
DLG4	-0.03666915	-0.1264036	0.06007551	0.03774993	0.03631238	0.02705434	0.5022985	-0.5022985
TMEM98	0.1280508	-0.03174475	0.00970824	-0.04338146	-0.01089432	-0.05249748	0.03056522	-0.03056522
B4GALT6	0.04802265	-0.1048558	0.03297114	0.03781087	-0.04368151	0.04872192	-0.1294647	0.1294647
PALD1	0.02401253	-0.05487078	0.03667963	-0.04351902	0.04043615	-0.04339419	0.2503981	-0.2503981
UFSP2	-0.0357409	-0.09172399	0.07156624	0.04872694	0.03222916	-0.03077549	0.1350745	-0.1350745
ENC1	0.05347189	0.0087187	0.1738062	0.06272115	0.0553873	0.161143	0.00191707	-0.00191707
FAM114A1	-0.02124594	0.06006079	0.1052093	0.0541407	-0.07009842	0.03712751	0.1865086	-0.1865086
NRL	-0.00929446	0.01181235	-0.01651743	0.01114473	-0.02314044	0.03417048	-0.04523749	0.04523749
APAF1	0.04064876	0.04860884	0.1827799	0.09002942	0.00061131	0.1183321	-0.2275223	0.2275223
SLC34A2	0.05320124	-0.03499723	-0.01122164	0.08752227	-0.00930479	0.08953664	0.0447714	-0.0447714
C2orf68	0.00382801	0.00726907	-0.04974013	-0.05966467	-0.03792846	-0.03111188	-0.02011272	0.02011272
FAM110C	0.08002912	0.04055135	-0.130097	-0.03502082	-0.05010873	-0.09220309	-0.1712035	0.1712035
TTBK2	0.02248026	-0.1372038	0.1401879	0.06653576	0.00180081	0.01886611	0.3073245	-0.3073245
SACM1L	-0.06174582	0.02498204	0.1666074	0.04108515	-0.06388897	0.05710512	-0.1927851	0.1927851

MAML2	0.05042071	-0.05801285	0.1258132	-0.002839	0.05965288	0.03727147	0.2034738	-0.2034738
COCH	-0.1437826	0.1230734	0.08200127	0.05977373	-0.00391635	0.03141512	-0.2009875	0.2009875
NDP	0.09424561	-0.04170872	-0.07352642	0.03342417	-0.00869263	-0.03556279	0.06325332	-0.06325332
LRRC37A3	-0.00704907	-0.06620135	0.03380625	0.08781709	0.01671372	0.05628902	0.02904501	-0.02904501
HSF4	0.1431795	0.1890744	-0.04115696	0.02344119	0.1323282	-0.01235017	-0.1717504	0.1717504
DOCK5	-0.07849914	0.1434427	0.03133013	-0.01281506	-0.03007342	0.00329568	-0.1561395	0.1561395
CCDC163	-0.06332892	-0.00909784	-0.04244449	0.03709143	-0.05094305	-0.03455425	-0.1155231	0.1155231
DIP2B	0.06719959	0.02429745	0.0549475	0.06546703	0.05634064	0.08920177	-0.1266361	0.1266361
ELMO2	0.1074842	-0.00465712	0.09527909	0.02155975	-0.00480261	0.05284817	0.06074437	-0.06074437
FCMR	-0.01766206	-0.1293329	0.03619015	0.03231557	0.06452992	-0.001011	0.1673904	-0.1673904
SFXN4	-0.00649846	0.06123973	-0.01090124	-0.05790032	-0.04842107	-0.02947212	-0.2466249	0.2466249
CPNE2	0.08346579	-0.03840579	0.09598752	-0.01272788	0.03529443	0.03106525	0.2439884	-0.2439884
TTPA	0.0139786	0.03825193	-0.08466161	-0.1299373	-0.06312646	-0.08283624	-0.0203619	0.0203619
WIPF1	-0.0535636	-0.06673234	0.1943556	0.1033001	0.03559254	0.0747367	0.3346576	-0.3346576
TIRAP	-0.04407634	0.02551617	0.07136462	-0.03459784	-0.03958325	0.03872209	0.0608188	-0.0608188
CKLF	-0.04008374	0.09289363	0.08690058	-0.02583881	0.04332572	-0.01015899	-0.03011827	0.03011827
CCDC184	-0.0611915	-0.09635074	0.08470216	-0.00108642	0.03213121	0.1256375	0.4214069	-0.4214069
PNRC2	-0.02018005	0.07617377	0.04029141	0.08032986	0.02429594	0.04104648	-0.2155665	0.2155665
POLRMT	-0.08361234	0.07136173	0.05572288	-0.08011207	0.01182183	0.03335071	-0.1759605	0.1759605
ARHGAP5	0.08273529	0.00317752	0.09656283	0.06923212	0.00371671	0.08295125	-0.1322811	0.1322811
PPP1R14C	-0.03461449	0.0345577	-0.1112383	-0.02796787	-0.02057956	-0.03760708	-0.0420319	0.0420319
ATF2	-0.00707769	0.01134723	0.2031456	0.1451866	-0.00871133	0.1082212	-0.01447962	0.01447962
MKRN1	0.03276075	0.1174708	-0.01995471	-0.04952736	-0.00411245	-0.00870306	-0.2131085	0.2131085
LRRC45	0.05565056	0.09318568	-0.04959373	-0.02864916	-0.03553996	-0.00795807	-0.2147756	0.2147756
CLN8	0.1184369	-0.02773929	-0.02631784	0.01906397	-0.0577093	-0.0161956	0.1296244	-0.1296244
LNX2	0.02269124	0.02703422	0.03755397	0.04496957	-0.04036462	0.08190205	-0.2680857	0.2680857
FGF2	-0.07090411	-0.1402394	0.07996894	0.05398175	0.07867872	-0.09251541	0.3790665	-0.3790665
XPO5	0.05040865	0.1298309	-0.00341456	-0.0188606	-0.03137732	-0.00628296	-0.1534432	0.1534432
SORBS3	0.01034804	-0.0307781	0.02157184	-0.06280809	0.01022862	-0.04706249	0.3589651	-0.3589651
NTF3	0.00365177	0.02980978	-0.1312679	-0.04801427	0.00487763	-0.07781429	0.03140571	-0.03140571
ELF4	0.0160814	0.04012194	0.0588062	0.08309857	-0.01280108	0.09160233	-0.1771652	0.1771652
PKM	0.01040452	0.05424119	0.00079693	-0.03506887	0.01594036	0.067645	-0.09812365	0.09812365
ELP2	-0.01426605	0.01810019	0.1846069	0.1328082	-0.02637093	0.09509275	-0.00516638	0.00516638
RARS2	0.01107037	0.05822153	0.08029609	0.109	-0.00258493	0.0326402	-0.1199518	0.1199518
SPATA5	-0.1161417	0.00029746	0.1069871	0.02709269	-0.01466542	0.05895753	-0.06359728	0.06359728
CST4	-0.06930514	-0.04128886	0.00559813	-0.02505416	-0.01947666	0.03522136	-0.01967398	0.01967398
CD177	-0.0002661	0.04207992	-0.00394833	-0.01963857	-0.05885188	0.01663877	0.03622003	-0.03622003
RPGRIP1L	0.02426	0.00576998	0.1587425	0.08441671	0.00906673	0.1027097	-0.04875032	0.04875032
LILRB2	0.0576436	0.02664579	0.1485864	0.0820882	-0.02836713	0.03787506	0.1859399	-0.1859399
UQCRHL	-0.0067983	0.05064021	-0.1586645	-0.1358186	-0.08425369	-0.116999	-0.1224502	0.1224502
FADS3	-0.1185684	-0.0196471	0.02094757	0.01114119	0.04156724	0.07572692	0.225584	-0.225584
UBE2QL1	-0.02203556	-0.0861321	-0.02295753	-0.05487108	-0.01529729	-0.05845307	0.3556859	-0.3556859
ARMC7	-0.0281617	0.0440768	-0.02071231	-0.03673189	0.00959398	-0.0225024	-0.1532142	0.1532142
ENPP5	0.01211513	-0.00188013	0.01563117	0.04304182	0.03739299	0.08006677	-0.04520369	0.04520369
IGFBP3	0.02096945	0.0105184	0.09286401	-0.02714335	0.01039671	0.0541904	0.3134232	-0.3134232
REEP6	0.02050446	0.08577307	-0.09641429	-0.09443502	0.03474778	-0.07406119	-0.1978723	0.1978723
PIN4	-0.07125892	0.03495904	0.04512405	0.03786509	-0.01259367	0.04984995	0.01262134	-0.01262134
SLC25A35	-0.04337735	0.04741583	-0.02405908	-0.08398081	-0.07669941	-0.01892924	-0.06364121	0.06364121
ZFP41	-0.00262256	0.04623952	-0.00555948	0.02383537	0.05476331	0.08935102	-0.09186529	0.09186529
STAMBPL1	-0.0598469	0.08607598	0.1162653	0.01199485	0.03032918	0.07452076	-0.05094715	0.05094715
THAP9	0.05662348	0.0472757	0.06229419	0.0629562	-0.03074689	0.0367111	-0.1593536	0.1593536
ARHGEF7	0.08254773	0.07476488	0.1173811	0.05808194	-0.01197665	0.1019675	-0.03699514	0.03699514
CD48	-0.04379519	-0.1095057	0.1117051	0.02989932	0.03707528	0.00799379	0.2166995	-0.2166995
DMRTA1	-0.00669481	-0.06965865	-0.08913666	0.01190751	-0.03219658	-0.03876064	-0.05598144	0.05598144
GZMA	-0.04616847	0.05413635	0.1262668	-0.05578459	-0.05414658	0.05387493	0.06714718	-0.06714718
MIS12	-0.0501083	0.09276339	0.1372007	0.09158208	-0.02626023	0.1067946	-0.09838298	0.09838298
FUCA1	-0.01890801	0.06873179	0.00871154	0.05812793	0.01518209	-0.00816281	-0.1758542	0.1758542
ADCY5	-0.05297086	-0.1346007	0.1208343	0.06227195	-0.00545736	0.02002453	0.37437	-0.37437
NCAPG2	0.00073584	0.132865	0.04131466	-0.00543235	0.03970429	0.0345934	-0.3391919	0.3391919
ZNF467	-0.07483426	-0.06960173	0.05324208	-0.01685331	0.03210557	0.0848059	0.2215935	-0.2215935
ALKBH1	-0.05459222	0.02421095	0.02773804	-0.01137693	0.08548742	0.06619016	-0.04013755	0.04013755

PRPF31	-0.05435181	0.03917479	0.0270688	0.0233689	0.02064986	0.02488272	0.00932781	-0.00932781
NAA50	-0.02219183	0.04988233	0.1031268	0.06221681	-0.05155699	0.06820532	-0.2156913	0.2156913
MRPS18A	-0.03282385	0.157954	-0.1400463	-0.1172999	-0.04442297	-0.09280305	-0.1543043	0.1543043
CLDN5	-0.05175984	-0.08659493	0.03017585	-0.00107488	0.06794845	-0.02958395	0.3872901	-0.3872901
PLCXD2	0.08620834	0.05072548	0.03384065	0.03607595	-0.0069674	0.04249168	-0.1113207	0.1113207
TFEB	-0.05873588	0.02358563	-0.05186233	-0.07328562	-0.04897659	-0.02074961	0.02649687	-0.02649687
MIPOL1	0.03990749	0.026801	0.05715963	0.0769497	-0.02550534	0.04323016	-0.06111476	0.06111476
CXCL8	0.02055541	0.09500654	-0.02898186	-0.06483345	-0.0331398	-0.09560217	0.01376755	-0.01376755
SLC25A45	-0.00413142	-0.00082588	0.09985952	0.0976501	0.03908508	0.09577929	0.05289676	-0.05289676
FEM1B	0.03773797	-0.06819382	0.1116959	0.01901029	0.0048311	0.02448755	0.1343091	-0.1343091
RAB11FIP4	0.06033074	0.05251039	-0.01688888	-0.02769286	0.04709851	0.02006057	-0.2623155	0.2623155
CENPK	0.04409151	0.04277734	0.07169146	0.01485871	-0.07470339	0.07203331	-0.2262887	0.2262887
HNF4A	0.01591997	0.1233467	-0.00531935	0.04580305	0.04640199	0.05196277	-0.294439	0.294439
ZEB2	0.00740641	-0.1210959	0.2048447	0.1161305	0.02734374	0.05194223	0.4854755	-0.4854755
LCN12	-0.02808996	0.1086111	0.01810482	-0.00634435	-0.04795728	0.04171089	-0.08016645	0.08016645
PRR13	0.00155748	0.01377066	0.07776623	0.04083019	-0.02082057	0.09427299	-0.2502516	0.2502516
SCNN1D	-0.02795701	-0.06489853	-0.09363567	0.0483861	-0.02916825	0.02367395	4.31E-05	-4.31E-05
SNU13	-0.1295199	0.07623853	-0.01811621	-0.07561455	-0.04608898	0.00875185	-0.1345041	0.1345041
HIST1H4B	-0.1507284	0.08185826	-0.09972791	-0.0762322	-0.06151509	-0.0645746	-0.1176667	0.1176667
CCDC126	0.02407066	0.05887625	0.1136558	0.05726864	-0.08081206	0.01502028	-0.1448101	0.1448101
STAP1	-0.08756591	-0.06633985	0.03761609	0.04057321	0.00952799	0.02505788	0.04219381	-0.04219381
USPL1	-0.03370085	0.09622115	0.0842504	0.08406423	0.01837488	0.1247098	-0.05819808	0.05819808
DMKN	-0.05801878	-0.07577404	-0.09641735	-0.0288292	-0.0135322	0.02531205	-0.04836087	0.04836087
GDPD2	0.04765944	0.04217262	0.05644711	0.0794423	-0.01629976	0.04891365	-0.2073109	0.2073109
THAP7	-0.01314597	-0.01819302	-0.07771186	-0.1327334	0.01080479	-0.06682675	0.08803967	-0.08803967
DNAJC13	0.03030234	0.01082195	0.1967768	0.1106645	0.01094528	0.1307454	-0.06200835	0.06200835
TMEM68	-0.00749476	0.09015731	0.03122779	-0.05529087	-0.1109014	-0.01653083	-0.2411031	0.2411031
MRPL51	-0.09638475	0.05906912	-0.00895427	-0.07668448	-0.06852469	0.01761783	-0.07567052	0.07567052
LRRC49	0.04675523	-0.07455194	0.01857161	0.00605108	-0.02540901	-0.05184756	0.1643481	-0.1643481
PCDHGB6	-0.04810681	-0.1517203	0.1062939	0.01054356	0.08099654	-0.00134248	0.3022337	-0.3022337
C4orf48	-0.04365951	0.0187904	0.01787994	0.02787642	0.07890268	0.1150855	0.04928489	-0.04928489
ANGEL2	0.0184981	-0.06339497	0.1690123	0.08611199	0.05436592	0.1083931	-0.00614976	0.00614976
PDK2	0.03044655	0.002553	-0.08672349	-0.05687231	-0.03253562	-0.04135899	0.0581159	-0.0581159
PLPP3	0.08093971	-0.08070819	0.08557639	0.05329557	0.00850229	-0.00723047	0.2920465	-0.2920465
MYMX	0.106292	-0.08289506	-0.0497262	0.05423088	0.0186663	-0.01413687	0.1310886	-0.1310886
POLR2L	-0.04381023	0.02111307	-0.06745445	-0.0234385	-0.05370452	0.05262069	-0.00272953	0.00272953
FBLN2	0.01793965	-0.07009358	0.1184956	0.0099479	-0.01144148	0.00828578	0.5496517	-0.5496517
IFRD2	-0.05579381	0.06132533	-0.0436185	-0.02008644	-0.00253057	-0.00073316	-0.2957672	0.2957672
MED13L	0.01068211	-0.06486739	0.1392092	0.09054166	0.01860579	0.1315516	0.07893431	-0.07893431
PROCA1	0.06001622	-0.02734849	-0.0257038	0.05236127	0.1084742	0.05329709	-0.01874178	0.01874178
NMNAT3	0.0094296	0.09998389	-0.129746	-0.1798552	-0.05380052	-0.1523703	-0.04518864	0.04518864
RFC1	-0.0197777	0.04818812	0.1295527	0.03198894	0.01358605	0.07869046	-0.1304587	0.1304587
TNIK	-0.01714628	-0.03538854	0.1765876	0.0841446	0.06195928	0.1454431	-0.1130287	0.1130287
RB1	0.0488067	0.042681	0.1476308	0.1059846	-0.0016138	0.09646854	-0.1686409	0.1686409
SCG2	-0.04856819	-0.07480292	-0.07522649	0.03403553	-0.0406757	0.00273229	0.09293748	-0.09293748
SPOPL	0.03168103	0.06088191	0.143029	0.1281901	0.00760508	0.07245047	-0.1303441	0.1303441
EIF2B4	-0.02902949	0.07385964	0.00029229	0.05721537	-0.01170386	0.04766867	-0.1402897	0.1402897
ITGA3	0.00350237	0.00781289	0.04178502	0.1176692	0.05915961	0.1455641	0.04003328	-0.04003328
SNTB2	0.00756708	-0.01456653	0.2803351	0.03129369	0.04143783	0.08773655	0.1833575	-0.1833575
PNPLA2	0.03732764	0.113932	0.04359033	0.1055326	-0.01769262	0.07689064	0.0198507	-0.0198507
ARHGEF4	0.00682906	0.01313471	-0.04458368	0.02822693	0.1179063	0.03648017	0.02623334	-0.02623334
PRKD3	0.03980916	-0.0943846	0.1208097	0.1137345	0.01315902	0.08124729	0.1175115	-0.1175115
PRKAB2	0.04475342	-0.05398098	0.01163088	0.04545819	-0.00182298	-0.00951037	0.00544489	-0.00544489
SAMD12	0.07356544	0.1074452	0.03777349	0.00684782	-0.00982875	0.06983081	-0.2600463	0.2600463
PRSS2	0.04648589	0.05928635	-0.08337514	-0.03598685	-0.05731784	-0.08849762	-0.03624149	0.03624149
CD28	-0.02247488	-0.07360299	0.1638423	0.1222967	0.07791133	0.09649566	0.1622794	-0.1622794
ZNF543	0.0341861	-0.01092517	0.1614837	0.05383936	0.03371794	0.1042331	0.02801021	-0.02801021
ZNF410	0.05779605	-0.03721234	0.09224112	0.0623685	0.04660106	0.05301043	0.02460159	-0.02460159
NVL	0.00184561	0.01327787	0.09316211	0.02895837	0.08785125	0.1047704	-0.1146585	0.1146585
MAN1A1	0.0610745	-0.1328309	0.06274957	0.09152752	-0.01158957	0.05484305	0.04061741	-0.04061741
TRIM38	0.00966081	-0.02148385	0.2047188	0.1276773	0.08542975	0.103555	0.151894	-0.151894

SHMT2	-0.04586577	0.08656463	0.05726492	-0.01800104	-0.04748997	0.06818629	-0.1540596	0.1540596
TMEM14B	-0.00993295	0.04959464	-0.02046398	-0.02023311	0.03050393	-0.05509947	-0.1592834	0.1592834
DRD1	-0.03934218	0.04025471	0.01944283	-0.02766222	0.08629191	0.05989684	0.07562772	-0.07562772
TMEM170A	-0.01619515	0.1345646	0.1913033	0.07830316	0.04347416	0.1175549	-0.2821691	0.2821691
TK1	-0.04178679	0.09061305	-0.05256809	-0.03589906	0.02134928	0.01256451	-0.1556759	0.1556759
SP100	-0.0548608	0.0607979	0.2222065	0.09152061	0.02977825	0.1061116	0.08231542	-0.08231542
ZNF605	-0.01417866	-0.04051481	0.06539412	0.00048657	-0.04919199	0.03354683	0.01823416	-0.01823416
VARS	-0.06404253	0.04770471	-0.0394021	0.02164033	-0.01709005	0.00169786	-0.184812	0.184812
ZFR	0.00525086	-0.01314993	0.1150137	0.02318566	-0.01500415	0.08342897	-0.01537417	0.01537417
TMEM199	0.00236856	0.03912725	0.06544465	-0.02438639	0.05838929	0.06245116	-0.1542104	0.1542104
ZBTB16	-0.01409243	-0.1236362	0.05614261	0.03970394	-0.03041006	0.01063624	0.2806875	-0.2806875
GUK1	-0.03118827	0.07524509	0.08667642	-0.01226418	0.01905635	-0.03697643	0.03824356	-0.03824356
DDX5	0.04090228	0.06531631	0.1077156	0.08551245	0.04566606	0.09984684	-0.00772681	0.00772681
ATG7	0.00094581	0.05201085	0.06910564	0.03266481	-0.02133003	0.02730038	0.0325365	-0.0325365
GIPR	-0.00630186	0.00954277	-0.00279814	0.06863656	-0.01825186	0.07410361	-0.1356425	0.1356425
HSPB2	-0.0088544	-0.1483947	0.1386166	0.07997294	0.01165813	-0.01885182	0.5732721	-0.5732721
MSI1	0.01498615	-0.03147641	-0.06009888	-0.08656144	-0.0610942	-0.03784274	-0.01608959	0.01608959
TNFRSF12A	0.03051282	0.08814769	-0.02603794	-0.00016534	0.03375627	0.03981104	0.2380389	-0.2380389
TBC1D8B	0.05482816	0.101505	0.05533328	0.04430103	-0.04979711	0.06170488	-0.1936052	0.1936052
DERL2	-0.03922615	0.09462509	0.07299778	0.06798967	-0.07771481	0.03912812	-0.03807071	0.03807071
BTF3	-0.08465275	0.01316985	0.05613842	0.04845997	-0.05268841	0.04897437	-0.0402254	0.0402254
JAZF1	0.00884128	-0.1741342	0.1942496	0.1108119	0.02732295	0.04012081	0.4339139	-0.4339139
NEURL3	-0.02168945	0.08505845	-0.02855466	-0.08867379	0.00148437	-0.01492911	-0.04472805	0.04472805
CBLC	-0.07916858	-0.0633662	0.01630347	-0.05330413	-0.01175461	0.03075162	-0.1044638	0.1044638
SNX3	-0.03430542	0.01184735	0.15463	0.09883936	-0.03128326	0.06379971	0.1195227	-0.1195227
CYP2C9	0.00871719	0.01863036	-0.06922118	0.1093561	-0.08613966	0.01505845	-0.1714229	0.1714229
NMB	-0.0510651	0.01188961	0.0052319	0.04795292	0.02594951	0.01090343	0.00895635	-0.00895635
ZNF81	0.09425417	0.01531626	0.1506501	0.03920094	0.01358833	0.1212636	0.01153438	-0.01153438
RASIP1	0.00495973	-0.09304215	0.08460117	-0.01536003	0.04668008	0.00681126	0.3940329	-0.3940329
FBXL17	0.04554309	-0.1003745	0.1186578	0.0805208	-0.04516204	0.00858648	0.1058269	-0.1058269
USP47	0.07763207	0.01339682	0.1902155	0.1161326	0.00476038	0.1188991	-0.03047907	0.03047907
MYO18A	0.1095416	0.03704882	0.05453641	0.07084794	0.1269772	0.1505327	-0.1181657	0.1181657
PSMD10	-0.08290044	0.09003972	0.1209982	-0.00342311	-0.03064885	0.06088084	-0.1768182	0.1768182
MRM1	-0.00309729	-0.03856234	-0.04202938	-0.07607682	0.06304406	-0.00179556	-0.03744602	0.03744602
MBIP	0.06783586	-0.00572023	0.07941525	0.0500535	0.01295181	0.03399155	-0.03160328	0.03160328
NCAPD2	-0.04314803	0.08512549	0.04380634	0.00834268	-0.03607905	0.07476948	-0.2010423	0.2010423
NUP54	-0.02329055	0.09313753	0.04531814	0.00203743	-0.00176542	0.02692576	-0.1891632	0.1891632
MUC5AC	-0.00581017	0.03343579	0.01640712	0.05587519	-0.07356324	0.08203517	-0.1933731	0.1933731
CASP9	-0.01582221	-0.00473925	-0.07122097	0.05018581	-0.03441084	0.00648365	-0.08084047	0.08084047
CCND2	-0.00088458	0.06703703	0.07940111	-0.07918637	0.01441491	-0.01164072	0.06032521	-0.06032521
PSMB10	-0.01332823	0.11545	0.04554277	-0.02079717	-0.01114997	0.04793979	-0.06065066	0.06065066
CENPJ	0.00686657	0.08760523	0.1214072	0.06232415	-0.02332739	0.143016	-0.1751573	0.1751573
LRATD1	-0.00087352	0.04751622	0.02684667	-0.07405313	0.0300106	0.0049054	-0.1352463	0.1352463
MSS51	0.01534045	0.03446123	0.03914539	0.135776	-0.00640535	0.0563046	0.05863887	-0.05863887
PGM2L1	0.06769253	-0.04325622	0.111056	0.07543959	-0.0493106	0.06723781	0.01293539	-0.01293539
GLRX5	-0.1059335	0.03602808	-0.1135294	-0.08164202	0.03341991	-0.03426354	-0.1456436	0.1456436
KAT14	0.04577784	-0.02603809	-0.01593663	-0.00417028	-0.03404352	0.01274116	-0.1009851	0.1009851
SLC25A43	-0.07043083	0.05448766	0.1163931	0.01499411	0.03653815	0.07675461	-0.09067146	0.09067146
MYRFL	-0.04338164	-0.05019711	0.03705448	-0.07248713	-0.0158247	0.02011259	-0.156385	0.156385
KMT5B	-0.00430138	0.07444272	0.09876268	0.05818121	-0.06003586	0.09212806	-0.1010272	0.1010272
RNF32	0.162354	0.01871973	-0.0189904	-0.1036477	0.01627162	-0.03841211	-0.1503639	0.1503639
TLE3	0.03007085	-0.06430572	0.00129414	0.00974471	-0.00051881	0.0722591	0.06684178	-0.06684178
ACSF2	0.06321438	-0.00797624	-0.04083468	0.03616134	0.05194345	0.03676446	-0.1319661	0.1319661
RAMACL	-0.02342637	-8.83E-05	-0.04975955	-0.0610879	0.1009849	-0.00433092	0.03819988	-0.03819988
RTN3	-0.05710171	0.1128804	0.03528488	-0.03246625	-0.00717833	-0.03286356	-0.09119624	0.09119624
GTPBP10	-0.05123991	0.0427064	0.01884592	0.02226454	-0.02386236	0.04582401	-0.00098718	0.00098718
BMP2K	-0.02088603	0.03484156	0.114439	0.07096654	0.02246144	0.02831463	0.05311273	-0.05311273
CLIP3	-0.03411482	-0.1521917	0.110669	0.04358363	0.03337525	-0.03155991	0.4690505	-0.4690505
RTL5	-0.02310776	-0.163408	0.06443637	0.04516547	-0.0043879	0.02534755	0.3199581	-0.3199581
EDEM1	-0.03979516	0.0682021	0.1210761	0.1150665	-0.01312746	0.1109705	-0.0761846	0.0761846
CLNS1A	-0.05520502	0.08637954	0.08713233	0.05846916	-0.03582026	0.116226	-0.1635575	0.1635575

ATG9A	0.06833002	0.03077833	-0.06073599	-0.06386875	0.002392	-0.03186925	-0.08817771	0.08817771
INPP5J	-0.05103629	0.05857693	0.07022917	-0.03253779	-0.01092099	0.0586616	-0.1454053	0.1454053
BCAP29	-0.01528343	-0.00142584	0.1081338	0.04073491	0.0129427	-0.06120625	0.07809678	-0.07809678
MRPL53	-0.00221133	-0.02657868	-0.03684761	0.04784069	0.02997191	0.0612844	-0.08466009	0.08466009
PRR29	0.05008087	-0.06707054	0.03719039	-0.04930298	0.09053123	0.07204272	0.1958498	-0.1958498
VPS39	0.1050059	-0.01495208	0.1671889	0.09894392	0.05356102	0.08895691	0.1494051	-0.1494051
KCTD11	-0.02179	-0.05962632	-0.07988696	0.0180358	-0.03891261	-0.00778874	0.1659801	-0.1659801
WDR74	-0.1168724	0.09146888	-0.00932712	-0.06405267	0.1084617	0.03719605	-0.08971858	0.08971858
UIMC1	0.04535001	0.04839257	0.09970928	0.04835749	0.05542226	0.09735288	-0.09030686	0.09030686
MAFB	0.00222203	-0.07337226	0.1787814	0.08014085	0.00997117	0.07405358	0.4835087	-0.4835087
TIGD4	0.05834925	0.01846268	0.04231716	-0.00105265	0.06256473	0.06247861	-0.1136785	0.1136785
CAMLG	-0.05093191	-0.1283274	0.1037071	0.02681253	-0.02482126	0.03312259	0.2560337	-0.2560337
NHSL2	-0.05070217	-0.1336655	0.09670604	0.01324287	-0.00451018	-0.00637847	0.4053095	-0.4053095
HSCB	-0.1106314	0.05754433	0.0135883	-0.0736982	0.01323984	-0.04984782	-0.0192461	0.0192461
ABCC10	0.07187306	0.1608772	-0.00079702	-0.01395443	-0.02367581	0.01393837	-0.1038222	0.1038222
CD200R1	0.03122404	-0.02234644	-0.02638408	-0.02038711	-0.01340786	-0.04907307	0.02859821	-0.02859821
CBLIF	-0.00165993	-0.1434494	-0.04020253	-0.04834549	-0.00498469	-0.04953586	-0.0243281	0.0243281
PIP5KL1	-0.1199009	0.0539008	-0.04872623	-0.03279748	0.01108967	-0.03703412	0.04323729	-0.04323729
HNRNPK	-0.0404977	0.03454003	0.1253816	-0.00304744	0.01934522	0.05528195	-0.1583244	0.1583244
GMPR	0.0834382	0.02041154	-0.1447618	-0.1409206	-0.03961335	-0.1348956	0.03780815	-0.03780815
COMMD6	-0.0809098	-0.08002107	0.03678773	-7.51E-05	-0.01668159	0.0565671	0.2041452	-0.2041452
KLHL15	0.01179401	-0.07497931	0.1486502	0.05336333	-0.04506002	0.06789001	0.05485056	-0.05485056
TBC1D22A	0.01656123	-0.02172975	-0.02427437	-0.04568803	0.05350612	-0.0043818	0.04741997	-0.04741997
SOX13	0.05832569	-0.08376251	0.01229489	-0.01821474	-0.01942209	0.04509052	-0.07874445	0.07874445
SLU7	-0.00939357	-0.00696762	0.186469	0.1233757	0.03126576	0.1311185	0.0445811	-0.0445811
NAA38	-0.1461797	0.00880031	-0.0092673	-0.05094659	-0.08106356	-0.00323528	0.1134345	-0.1134345
PDZD2	0.05123641	-0.07705993	0.00203375	0.06292034	-0.05239228	0.00366958	0.1802347	-0.1802347
PIK3C2B	0.03968155	0.01588018	0.09992869	0.03114154	0.04466139	0.1150569	-0.1832406	0.1832406
C17orf80	0.04386435	-0.03732641	0.07143035	0.06062628	0.06559623	0.044881	-0.05489881	0.05489881
SGF29	-0.0812961	-0.1003305	0.01266785	-0.01574058	0.07134461	0.00232726	0.145391	-0.145391
SIRPG	-0.04843289	-0.00708897	0.1429375	0.00141646	0.01038249	0.082635	0.0780641	-0.0780641
HNRNPUL2	-0.00526945	-0.01252228	0.08713234	-0.00927455	0.07896276	0.05836533	0.09922438	-0.09922438
SOX5	-0.02479096	-0.02458684	0.0619254	-0.01008821	-0.05672602	0.0031361	0.3542728	-0.3542728
UBE2A	-0.03068588	0.04378006	0.03758661	-0.04389178	-0.03683131	0.05229051	-0.08467989	0.08467989
FGFR10P	0.04951833	0.1362502	0.03503067	0.01916412	0.01274842	-0.00736693	-0.3199009	0.3199009
ZNF841	-0.00151198	0.09029969	0.1309118	0.1242639	-0.0294306	0.0941742	0.01511972	-0.01511972
PDE4DIP	-0.00507979	-0.06937498	0.06523059	0.1457889	0.01328038	0.08731739	0.08160113	-0.08160113
RNF8	-0.06063222	0.07264405	0.01119028	0.0554825	0.01645815	0.03837437	-0.0872761	0.0872761
FAM131A	0.00414573	-0.06297018	0.03728867	0.00557092	0.02299618	0.00561629	0.2293717	-0.2293717
RETREG3	0.07772746	0.0026729	0.169477	0.04413145	0.09762801	0.1426401	0.0678625	-0.0678625
LMO3	0.02481813	-0.1017234	0.1751904	0.09263607	-0.04578643	-0.0032192	0.3744976	-0.3744976
ATP10D	0.04520659	0.05186303	0.04968502	0.06534917	0.02754681	0.01829705	0.1194219	-0.1194219
RXYLT1	0.01650322	0.06132213	0.04302386	0.02705987	-0.00197424	0.05084496	0.02399135	-0.02399135
GSTM4	0.01195937	-0.00330741	-0.06306233	-0.09799341	-0.00244503	-0.03112107	-0.1086309	0.1086309
TMEM253	0.00077834	0.07637587	-0.07605893	-0.07134925	0.0190449	-0.01254172	-0.1457449	0.1457449
TBRG4	-0.02839318	0.09346173	0.01867557	0.01208521	0.01801009	0.04408133	-0.3003455	0.3003455
RNPC3	0.06786767	0.02960103	0.0337689	0.08301656	0.01687776	0.06280366	-0.04545412	0.04545412
TTC14	0.06487375	-0.01743896	0.07123186	0.1207991	0.05155801	0.1344472	0.06463309	-0.06463309
FBXL12	0.04075218	-0.00431592	0.03948336	0.00104485	0.00023051	0.02708414	0.00538359	-0.00538359
BEX2	-0.00436838	-0.02273468	-0.07631266	0.005172	-0.00613331	-0.01464478	0.00617156	-0.00617156
THEM4	-0.03354413	-0.01701011	0.01530722	0.02903516	0.00861894	0.02898106	-0.04801641	0.04801641
MTHFD2L	-0.04411552	0.1523091	-0.03073743	-0.1034732	-0.07421726	-0.1050112	-0.2312564	0.2312564
AC243967.1	0.03576825	0.00117047	0.05308905	-0.00549058	-0.01232042	0.06136761	-0.01360491	0.01360491
NUAK1	0.01987496	-0.03356668	0.06173366	0.03842688	-0.0216935	0.05993198	0.3933487	-0.3933487
CA12	0.05320949	-0.00230278	-0.06166261	-0.05558181	0.1070665	-0.09197309	-0.06493705	0.06493705
TGFBRAP1	0.02199972	0.03810411	0.0855614	0.01682934	0.04119848	0.02631984	-0.00116473	0.00116473
ADRB2	0.02591123	-0.1840982	-0.05776937	0.00059848	0.02261746	-0.04959579	0.2092844	-0.2092844
AHSA1	-0.1894996	0.1011827	0.03413124	-0.07935455	-0.01543738	0.0003425	-0.1848477	0.1848477
PSMD5	-0.05508512	0.1631291	0.02654942	-0.01851527	-0.02380237	0.03197647	-0.1711668	0.1711668
VIL1	0.03772832	0.07660902	-0.0046772	-0.030909	0.02001592	0.05924443	-0.2216855	0.2216855
MAMLD1	0.00809028	-0.09489511	0.06767419	0.126064	-0.012541	0.1386664	0.2205426	-0.2205426

FGGY	0.1576539	0.04625862	-0.07118429	-0.1236416	0.06658247	-0.129339	-0.1413336	0.1413336
TOR1AIP2	-0.08434984	0.01881056	0.1298238	0.03810901	0.02256064	0.09848023	-0.1275818	0.1275818
TTC8	-0.01129043	0.02361216	0.1045665	-0.00588108	0.02397023	0.05726411	0.0279007	-0.0279007
QPCTL	-0.07665241	0.0515383	0.08203556	-0.00289893	0.01799143	0.03555683	-0.09911728	0.09911728
SOX4	0.1049147	-0.02088228	0.04559771	0.00677892	0.06208601	0.04405142	0.09123159	-0.09123159
MOK	0.05211451	0.161702	-0.06561087	0.05813557	0.06096532	0.02232502	-0.1594553	0.1594553
IGFALS	0.04566895	0.01514863	-0.00029407	0.0075107	-0.00381013	0.01470958	-0.01866159	0.01866159
C1orf210	0.01516164	0.06088999	-0.1330548	-0.07412593	-0.06776195	-0.03973095	-0.3266297	0.3266297
MGLL	0.01794006	-0.01318011	-0.00387084	0.08322333	0.01158211	0.03330365	0.06850347	-0.06850347
PDCD6IP	-0.06864571	0.1034014	0.03480521	0.02005778	-0.04996646	0.07116623	-0.2304832	0.2304832
ATP1B2	-0.0695339	-0.1637439	0.1083808	0.03883466	0.08412489	-0.01555103	0.4018989	-0.4018989
ARHGAP18	-0.05217199	0.03272744	0.2072046	0.1230411	0.0926514	0.1077857	-0.1055676	0.1055676
APOBEC1	-0.04536691	0.02959613	-0.00195888	-0.06028433	-0.02222188	0.03347515	-0.1327021	0.1327021
HIST1H3G	-0.1148064	-0.05977281	-0.06447249	0.04236258	-0.06637782	-1.43E-05	-0.1443316	0.1443316
UBE2E1	-0.1758197	-0.01471196	0.02944374	-0.07677071	-0.01046153	-0.04937252	0.06944325	-0.06944325
PATL1	-0.01422691	0.128407	0.07938557	-0.02622247	0.02996046	0.06658285	-0.2210338	0.2210338
PTPRC	-0.06822301	-0.02005125	0.1590731	0.08489815	0.02797787	0.09140517	0.0942035	-0.0942035
PIGM	0.01390974	-0.02327043	-0.02550569	-0.02816909	0.05095346	0.02930474	-0.08219734	0.08219734
CIP2A	-0.02700936	0.06186573	0.06699662	0.07668786	-0.02371604	0.07981591	-0.1755768	0.1755768
DCAF4	-0.08736377	0.1339765	0.05861339	0.00947311	0.02074879	0.03797794	-0.1594757	0.1594757
UBE2M	-0.100618	0.0360261	-0.0848583	-0.09524861	-0.02026735	-0.03842794	-0.00682872	0.00682872
PTGIS	-0.02101089	-0.1635029	0.1671435	0.07394477	0.0090004	0.06568833	0.4470671	-0.4470671
FBXO42	0.03972398	-0.03941618	0.02998402	0.0102723	0.01807015	0.03768132	0.00561364	-0.00561364
GTF2IRD2	0.06012955	-0.06641849	-0.01120804	0.06748762	0.00155039	-0.02581268	0.2168446	-0.2168446
ARHGFE26	-0.05759182	-0.1437419	0.05438963	0.007101	0.00217474	-0.05969405	0.2648687	-0.2648687
EIF3H	-0.07422179	0.0640913	0.08956187	0.02061922	0.01782975	0.09465082	-0.1809754	0.1809754
ALG1L2	-0.02054744	0.04120992	0.04609941	-0.00714088	-0.05658955	0.03752722	-0.1795591	0.1795591
RRP12	-0.00284807	0.03275354	0.05608625	0.01743853	0.03157667	0.1245889	-0.1706631	0.1706631
TELO2	0.01237802	0.06224703	-0.00680991	-0.031136	0.03008999	-0.00075572	-0.1302807	0.1302807
TXLNG	-0.3396061	0.09930975	0.1169125	0.00124764	0.02139252	0.1204762	-0.2023986	0.2023986
CNIH4	-0.06484639	-0.01887439	0.1048705	0.02142237	0.05723708	0.04958307	-0.02935902	0.02935902
IRF6	0.086685	0.06170229	-0.1264602	-0.07074602	0.00287164	-0.06204658	-0.3314418	0.3314418
AMPD2	0.01805421	0.06300215	-0.00912013	0.0574217	0.01678194	0.05363995	-0.03732743	0.03732743
ZBTB20	0.03148008	-0.1846135	0.1463925	0.08118225	-0.00800305	0.05200531	0.4364548	-0.4364548
SF3B6	-0.1174087	0.0845627	0.04815849	0.02145441	-0.01089352	0.06958167	-0.1260103	0.1260103
SAA2-SAA4	-0.06707889	-0.0347235	0.00880019	-0.03770904	0.07331929	0.06115457	-0.04886914	0.04886914
HMG20A	0.05519101	-0.016266	0.06423524	0.04919265	0.03032162	0.06584805	-0.02165333	0.02165333
EEF1A2	-0.01754254	0.03956763	-0.01961501	0.00830659	-0.01835404	0.06133947	0.05245969	-0.05245969
FAM171B	-0.0063157	-0.01755099	0.1106684	0.08682053	0.02742471	0.06115004	0.2535669	-0.2535669
ACSS3	-0.0011552	-0.03349159	0.1033776	0.1078452	0.0326833	0.0768391	0.1165293	-0.1165293
ELK3	0.03298741	-0.03092044	0.1250512	0.08131538	0.03734213	0.04385365	0.3670652	-0.3670652
QSER1	0.08946112	-0.03737986	0.1412844	0.05131507	0.00472657	0.1384128	-0.06000648	0.06000648
EME2	0.06605723	0.05122607	0.02014441	0.04842343	0.02281586	0.08530524	-0.2174752	0.2174752
KLHDC4	0.05009819	0.128678	0.1312927	0.1253033	0.1200884	0.08744926	-0.1473352	0.1473352
UBR7	-0.0297193	0.03317268	0.09897422	-0.00408502	0.01290628	0.07015576	-0.1627278	0.1627278
TBC1D10A	0.04183853	-0.04933703	-0.05748804	-0.0319974	-0.01952241	0.00707521	0.05697404	-0.05697404
STAP2	0.03566425	0.1587472	-0.1389158	-0.1414304	-0.00339089	-0.08394946	-0.1224839	0.1224839
PTGDR2	0.09883226	-0.1021031	-0.02122557	0.00582688	-0.0521526	-0.01526971	-0.1381915	0.1381915
ADAMTS10	0.0432843	-0.09871151	0.1393098	0.08054427	0.04931504	0.08424648	0.5504421	-0.5504421
TRIAP1	-0.05615052	-0.05111984	0.1056656	0.03009796	-0.02191483	0.06605363	-0.1677491	0.1677491
SLC46A3	0.01094098	-0.06049079	0.05190878	-0.03296529	4.13E-05	-0.02627316	-0.01703762	0.01703762
ACOT13	0.011845	0.01871183	0.05651297	-0.03655938	0.0360786	0.00764938	-0.097634	0.097634
CLPTM1L	0.03645215	0.0608375	-0.04722951	-0.03986358	0.01097367	0.0091472	-0.1287345	0.1287345
RCC1L	0.02742281	-0.00085249	0.02296434	0.0025071	0.01685546	0.01766855	-0.01359733	0.01359733
FAM50A	0.06139122	0.09254482	-0.06093782	-0.04521725	-0.04735189	-0.01527818	-0.04845627	0.04845627
DEFB131B	0.03197077	0.08104806	0.07193969	0.03595743	-0.03025521	0.0402342	-0.0056934	0.0056934
G3BP2	0.03372277	0.03870137	0.1048603	0.01293797	-0.01799901	0.07779813	-0.054436	0.054436
LONRF3	-0.02332121	0.02878005	0.1008176	0.05035749	-0.02312201	0.09251213	-0.08936668	0.08936668
ERBIN	0.09700029	-0.06076937	0.1678687	0.07849518	0.03598014	0.1705698	0.01532023	-0.01532023
SLC28A3	0.1511568	0.04436132	0.1206982	-0.05063732	0.06290427	0.00210116	-0.1378336	0.1378336
EML3	0.04555139	0.09495097	-0.04879305	-0.02814107	0.09471568	-0.01787802	0.1452124	-0.1452124

GABRE	0.0120591	0.08135384	-0.05756543	-0.04674806	0.00734177	-0.01346126	-0.08936286	0.08936286
EID3	-0.06032537	-0.08008449	0.02492561	0.04178152	-0.00470794	-0.04253451	0.2873999	-0.2873999
PTCD2	-0.00238537	0.03239955	0.1053603	0.1310316	0.06465161	0.1332836	-0.01688113	0.01688113
UCP3	0.1092899	0.05482062	0.00334018	0.02500324	0.01668486	-0.00722121	0.07221529	-0.07221529
CD300LF	-0.00388307	0.03884934	0.1859443	0.05443372	-0.0007692	0.05966701	0.08401919	-0.08401919
CCSER1	0.08728433	0.14295	-0.02604832	-0.00875645	-0.01500784	-0.05065743	-0.1500457	0.1500457
SCARA5	-0.00608314	-0.1182023	-0.04330382	0.04443876	-0.06387303	-0.05572118	0.1692677	-0.1692677
HERPUD2	0.04999618	-0.00715852	0.1678217	0.08932199	0.01409747	0.08120875	0.06856381	-0.06856381
IPO11	0.03671074	-0.00464875	0.1742486	0.05004359	-0.03000694	0.08444167	-0.0863542	0.0863542
TIAL1	-0.00835455	0.05888709	0.03569288	0.04383513	-0.01882629	0.06450265	-0.1382649	0.1382649
INVS	-0.04678105	-0.01953588	0.144319	0.02761125	-0.00067136	0.08419331	0.0088297	-0.0088297
SCARA3	-0.01671244	-0.2450567	0.00071214	-0.00583736	-0.01324308	-0.05675967	0.4140051	-0.4140051
INO80D	0.0419918	0.0921148	0.0978343	0.02442446	-0.01636845	0.05655374	-0.1612219	0.1612219
STAT2	0.02572156	0.03532349	0.1999203	0.1081388	0.03016619	0.1432309	0.1855124	-0.1855124
RPP14	-0.04116138	-0.00892354	0.0635376	0.02893191	-0.01141972	0.01710653	-0.1311382	0.1311382
HIST2H3PS2	-0.00089353	-0.02839182	0.00266865	0.10857	0.008895	0.01948416	0.06783527	-0.06783527
ANKRD10	0.05371753	0.0883374	0.09375472	0.1149864	-0.02532735	0.1188517	0.04621619	-0.04621619
CDK5R2	-0.02685889	-0.06171496	-0.04256408	-0.00483968	-0.04184218	0.00997201	0.05143771	-0.05143771
C16orf46	-0.00969184	0.05154176	0.09360511	-0.00384083	0.02028032	0.09976367	0.09103849	-0.09103849
TRMT10B	0.00383933	0.00209354	0.06981832	0.02966055	0.02152493	0.04831822	0.1452957	-0.1452957
ELOB	-0.0622906	-0.00455131	-0.04942647	-0.05169125	-0.00395912	-0.06603349	0.07530432	-0.07530432
SPTLC2	-0.01292477	0.1337744	0.07535202	0.02947649	0.01056529	0.06529421	-0.2146452	0.2146452
UBP1	-0.04029547	0.05165834	0.09059361	0.02894185	-0.00150146	0.0575428	-0.1053789	0.1053789
CD7	0.04942445	0.05898624	0.0542926	-0.07404758	0.02503255	0.01429039	-0.01375733	0.01375733
P2RX7	-0.0522079	-0.04415855	0.2511595	0.09371003	0.08786319	0.08439521	0.3585631	-0.3585631
PLEK	-0.0606341	0.04168486	0.06840651	0.00829533	-0.03042547	0.01743114	0.02458622	-0.02458622
CLUH	0.00992301	0.1035084	0.01071152	-0.00527186	0.02757497	0.03226608	-0.2555955	0.2555955
STRAP	0.00695731	0.08988964	0.1231783	0.03319265	-0.04165067	0.1000718	-0.1814344	0.1814344
COG1	0.06240702	0.03185268	0.04841593	0.05413616	0.06008751	0.07877116	-0.04135764	0.04135764
MINPP1	0.02137916	-0.00582818	0.1029576	0.02661386	-0.04358538	0.0976135	-0.08762708	0.08762708
IMPACT	0.03124495	0.04109909	0.1971329	0.08629285	0.04882341	0.08221526	-0.0470014	0.0470014
AMBP	0.05188158	-0.08635162	-0.06131849	-0.02423404	-0.04294485	-0.04649945	-0.03312653	0.03312653
HAX1	-0.03044602	-0.03954641	-0.0927904	-0.00994701	0.03684203	-0.04479847	-0.06946971	0.06946971
LBX2	0.05848915	-0.03462408	-0.0248926	0.03264793	-0.04700012	0.03218406	-0.1061678	0.1061678
RCAN2	0.01336478	-0.08607458	0.1082148	0.082752	-0.0265235	0.07656483	0.3078298	-0.3078298
NDUFB8	-0.1014139	-0.01434537	0.01900247	0.01432329	-0.05484326	0.03632599	-0.02608352	0.02608352
GGA2	0.03658773	-0.01886521	0.1134213	0.09703472	0.04726193	0.08390556	0.07864081	-0.07864081
MMP25	0.02923448	0.1178929	0.06862601	0.00914406	-0.01456735	0.03931192	0.0391495	-0.0391495
AKR7A2	0.0383735	-0.0796156	-0.1615154	-0.03276957	-0.01377676	-0.0363941	-0.0689219	0.0689219
MTCP1	0.03303123	0.1029777	0.05059792	0.06565284	-0.02756267	0.05988263	-0.1685416	0.1685416
RNF31	0.01465523	0.04798932	0.07410666	0.03896832	0.02817555	0.133107	-0.03597671	0.03597671
GLRX	0.07273333	0.0284971	0.09791163	0.04078067	0.01756517	0.02858993	0.09904087	-0.09904087
TSC22D2	-0.02814676	-0.06213564	0.1522061	0.1209666	-0.00980537	0.09466018	0.04692423	-0.04692423
IKBIP	-0.04171611	0.03393531	0.191379	0.1292374	0.01713287	0.08163948	0.2352831	-0.2352831
EXOC6	0.02743279	-0.02382886	0.1350574	0.03881845	-0.03809767	0.1033414	-0.2034852	0.2034852
CSDC2	0.00897568	-0.1446642	0.1087703	-0.00298347	-0.03565193	-0.00994742	0.5954584	-0.5954584
RAB26	0.07055336	-0.01714105	-0.06163781	0.01697669	-0.05202994	-0.07020373	-0.04667573	0.04667573
CAVIN3	0.00747288	-0.09667708	0.09387616	-0.01110608	0.02287765	0.02311849	0.5538598	-0.5538598
RAB3B	-0.01484002	-0.00419996	-0.04822941	0.09745319	-0.00216954	0.05767294	0.01679804	-0.01679804
HAVCR2	-0.04598182	0.03942341	0.2347864	0.07092324	0.02385104	0.03303939	0.1888273	-0.1888273
P2RY10	-0.06148304	-0.07959322	0.1363021	0.07197256	0.04008047	0.09057254	0.1781511	-0.1781511
ASPM	0.01069399	0.08529841	0.06714703	0.05350417	-0.05929941	0.1220757	-0.3037543	0.3037543
IRAQ2	-0.04781213	0.07309734	-0.00594577	-0.03521466	0.0424023	0.04119815	-0.01939641	0.01939641
SSR1	0.03915429	0.08297807	0.1260623	0.07870492	-0.00248716	0.09902329	-0.1984019	0.1984019
MCUR1	-0.02393751	0.05095176	0.08064758	-4.31E-05	0.0113875	0.06168298	-0.1907227	0.1907227
DBI	-0.00831302	0.01392337	-0.0912746	-0.03483652	-0.01907233	-0.04285677	-0.2517288	0.2517288
TDP2	-0.01562199	0.04807311	0.07956765	0.1067679	0.03026013	0.06280433	-0.1380246	0.1380246
TTC4	-0.0763033	0.00123245	0.00407991	-0.01319795	0.0321121	0.03123141	-0.00109294	0.00109294
KIAA0319L	0.157043	0.03854922	0.01186124	0.09965226	0.05544416	0.04429239	-0.1684928	0.1684928
TTC26	0.06691413	0.02762634	0.06699932	0.01196824	0.01889941	0.04543712	-0.09793054	0.09793054
ZC3HAV1	-0.00651973	-0.02449531	0.1700315	0.08057129	0.07710631	0.1045763	0.07810012	-0.07810012

FBX08	-0.04637998	-0.03049376	0.09935549	0.05421629	0.01418642	0.00925173	0.08541412	-0.08541412
TSSK4	0.09804699	0.02792105	0.1205854	0.112318	0.07892195	0.1256514	0.01076376	-0.01076376
TNFSF8	-0.03421137	-0.07296179	0.1792018	0.1014656	0.0517782	0.03134687	0.2465595	-0.2465595
SERPINB5	-0.08434789	0.0842094	0.08477983	-0.04215507	0.0239853	0.01156477	-0.1236734	0.1236734
ETV7	-0.01672145	0.1211531	0.09009123	-0.05306756	-0.00412222	0.04927776	-0.07197509	0.07197509
TRIR	-0.05208606	0.057529	-0.1564178	-0.1768185	-0.02894692	-0.1242464	0.1323786	-0.1323786
EIF2B3	-0.03529949	-0.04707786	0.0404044	0.04414241	0.023682	0.07113335	-0.09592169	0.09592169
ZFP64	0.02235345	0.09499224	0.08884063	0.03570424	0.01840452	0.07493358	-0.1296871	0.1296871
MED29	0.00951085	0.01468063	0.01894721	0.01223137	-0.00735902	0.01007256	0.1233218	-0.1233218
TASOR	0.00424415	-0.07903509	0.1426406	0.08299283	0.02560561	0.140552	-0.1091692	0.1091692
STX1A	-0.01069885	0.04592628	-0.01258312	0.01383455	-0.00176471	0.04811862	0.0130608	-0.0130608
NIPAL3	-0.00577705	-0.05652841	-0.01334265	0.00409953	0.01136166	0.00609848	0.06311034	-0.06311034
PRIM1	-0.0544039	0.030418	0.09109228	-0.0134408	-0.00472385	0.08307791	-0.2051585	0.2051585
RNF10	0.03606063	-0.1150909	0.05406795	0.01668796	-0.01497713	0.07993637	-0.02043697	0.02043697
GHITM	-0.08029892	0.05016515	0.06267209	0.01089045	-0.08102251	0.08666836	-0.2349827	0.2349827
GYG2	-0.1088185	-0.08004273	-0.02428919	0.0346829	-0.00728201	0.02497134	-0.0940364	0.0940364
INTS11	0.01325864	0.03994468	-0.01951915	0.0259412	0.01927639	0.0625836	-0.1522083	0.1522083
CUTA	0.01360021	0.06134459	-0.09428396	-0.05856268	-0.0163066	-0.08315056	0.05900615	-0.05900615
COPRS	-0.00230937	-0.03963163	-0.00089057	-0.08886051	0.00348111	-0.05655248	0.0716061	-0.0716061
ZXDB	0.01627054	0.01335122	0.1309192	0.02671649	0.00358939	0.1174385	-0.04557476	0.04557476
HLA-DQB1	0.00437282	0.01159514	0.09518746	0.04063922	0.02406014	0.06293483	0.07702019	-0.07702019
SYNJ2	0.0838724	0.08975202	-0.01175496	0.01106779	0.05281172	0.0090389	-0.1225876	0.1225876
PET100	0.00807546	-0.06115125	0.05717624	-0.05080043	-0.00515919	0.00373409	0.00909746	-0.00909746
SUCLG2	-0.01621845	-0.00952825	0.04609303	0.06220624	-0.0453209	-0.05064905	-0.2045393	0.2045393
GSPT2	-0.02091095	-0.1265599	0.07161723	0.09365605	0.04780555	0.01916127	0.1336229	-0.1336229
GPR18	-0.04607562	-0.07514001	0.07571035	0.04363641	0.03326199	0.01090391	0.09878373	-0.09878373
CPVL	0.1156912	-0.05865709	0.1774376	0.1203616	0.07427216	0.03411444	0.1084547	-0.1084547
PAQR4	0.01464746	0.07188406	0.0806986	-0.05611604	0.02094986	0.01557227	-0.04294857	0.04294857
EDNRB	0.07701918	-0.04269666	0.1780473	0.1446266	0.03868751	0.08536268	0.1500338	-0.1500338
KIAA0895L	0.07805819	0.2118646	-0.01339613	-0.00840628	0.121853	0.01477814	-0.1359226	0.1359226
STMN2	-0.0024662	-0.1315516	0.00819509	0.00823852	-0.03633366	-0.01938589	0.2315805	-0.2315805
ABCF3	0.02185787	0.05879144	0.0337976	-0.01340434	0.02760104	0.04307834	-0.0814989	0.0814989
ZFP30	-0.07469845	0.01529033	0.07502491	0.0096915	0.01175565	0.01919269	-0.05837973	0.05837973
DISP1	0.01401684	-0.1026516	0.0911527	0.07278645	0.02678234	0.01338979	0.05497175	-0.05497175
ZMYND12	-0.03172677	0.0772782	-0.01619914	0.02825813	-0.01089006	-0.03418711	-0.04592599	0.04592599
TSC1	0.08117874	0.04272926	0.04359378	0.029668	-0.01303987	0.06584132	-0.08386423	0.08386423
ATP5IF1	-0.1241889	0.04439968	-0.05162148	0.01924109	-0.06966789	0.01312936	-0.2344745	0.2344745
CCNT1	0.02128873	0.03716308	0.128283	0.09562658	0.01083414	0.1589879	-0.1365011	0.1365011
CAMK2N1	0.01208609	0.09488356	-0.02481672	0.00157305	0.05061811	0.00854561	-0.02063177	0.02063177
ARL5A	-0.0193939	0.0228632	0.2409427	0.1463224	0.04740435	0.1202479	-0.02392843	0.02392843
SMCHD1	-0.03324313	0.07850759	0.1491686	0.0583047	0.0072757	0.07513482	-0.1211415	0.1211415
LHFPL6	0.00996071	-0.1653871	0.1435718	0.03028302	0.0555003	0.03440465	0.5562405	-0.5562405
SMPDL3A	-0.1542587	0.1184037	0.09873278	0.03972926	0.04038162	0.06573535	-0.2312101	0.2312101
NIBAN1	-0.05363674	-0.135746	0.1041533	0.03264397	-0.00323725	-0.0158619	0.3355154	-0.3355154
COP55	-0.01810244	0.09438938	0.05249303	0.04129849	-0.04322121	0.03439841	-0.2820059	0.2820059
CHKA	0.1069615	0.06236772	-0.07174439	-0.08990148	-0.04440454	-0.06900721	-0.1169571	0.1169571
RYBP	0.02976051	-0.02946102	0.1325552	0.06456084	0.00218533	0.05348344	0.09543705	-0.09543705
ZDHHC13	0.03854393	0.1031523	-0.04359611	-0.02165954	-0.04918565	0.00887501	-0.2543806	0.2543806
RCL1	0.05539661	0.00778227	0.07609915	-0.0373797	0.01677018	-0.02333322	-0.09477679	0.09477679
BAK1	-0.06682319	0.1421024	-0.02845798	-0.02023936	-0.03707721	-0.01703443	-0.2177938	0.2177938
NUP35	-0.1000505	0.1057706	0.06859843	0.06323657	-0.02745536	0.0615441	-0.2712473	0.2712473
ZNF577	-0.06972893	-0.00124253	0.08151822	0.02981352	0.00828149	0.01319846	0.05551012	-0.05551012
FAM228B	0.02465003	-0.1872555	0.08511764	0.03738667	0.03792393	-0.04051582	0.3651149	-0.3651149
PUF60	-0.03531924	0.1264823	-0.06861637	-0.03647087	-0.02537657	-0.00818314	-0.1816191	0.1816191
HNRNPA3	-0.02707002	0.06867413	0.1571061	0.04731262	0.03838944	0.09157231	-0.1075672	0.1075672
UBE2L6	-0.07765473	0.05161016	0.09436859	-0.0392701	-0.04253759	0.05275386	-0.00864974	0.00864974
MYO5C	0.03280697	0.1524408	0.08632223	0.02578625	0.02286017	0.09586022	-0.2585213	0.2585213
CDC20	-0.1534254	0.04118414	-0.0545832	-0.00700549	-0.03230481	0.0626445	-0.2406707	0.2406707
PLEKHG1	0.05892634	-0.03939811	0.1495808	0.05733506	0.02571522	0.09202752	0.1767676	-0.1767676
PARP9	-0.02015822	0.1201668	0.1853107	0.03520377	0.02492111	0.08507348	-0.04165981	0.04165981
CINP	-0.07514668	0.00303177	-0.0029975	0.00930056	0.04107581	0.07317078	-0.106628	0.106628

KLHL29	-0.04535569	-0.1210614	0.1272716	0.1329278	0.01942491	0.1375619	0.2837188	-0.2837188
TIAF1	0.03924449	0.05664397	0.03241626	0.08940314	0.1083168	0.1041079	-0.1473835	0.1473835
PDE1A	0.01620608	-0.1567108	0.1763737	0.08880934	-0.00310758	-0.02025436	0.5301126	-0.5301126
HEXA	0.05522521	-0.00316409	0.1196029	0.01188132	0.01508691	0.02048335	0.1227717	-0.1227717
HSPA13	0.01468275	0.05903615	0.1297232	0.08849597	0.01946579	0.02502788	0.1207592	-0.1207592
S1PR1	-0.00073194	-0.1326541	0.1456876	0.07509978	0.039719	0.04988013	0.4301842	-0.4301842
HERC1	0.07585092	-0.01629691	0.1240008	0.05800405	0.04548255	0.05273288	0.1069552	-0.1069552
SYBU	-0.03042168	0.1130114	-0.0806802	-0.01504204	0.0800675	-0.1405078	-0.0463445	0.0463445
KIAA0100	0.07249733	0.03222518	0.112979	0.0807899	0.08405065	0.104702	-0.1228508	0.1228508
ANKRD50	0.00130359	-0.07232676	0.1967264	0.1216416	0.02833175	0.07018253	0.2525867	-0.2525867
DNM1	0.04505909	-0.00677723	0.00974961	-0.04753271	0.00011798	0.07612721	0.1481399	-0.1481399
XKR8	-0.03110694	0.04157071	-0.04830668	-0.01329222	-0.07643818	-0.02921651	0.04027929	-0.04027929
SSC5D	-0.04627694	-0.1511459	0.1457594	0.05420397	0.04112301	-0.00130778	0.5372437	-0.5372437
C7orf31	0.08413634	-0.1076911	0.04072208	0.0927775	-0.05574173	0.00712444	0.02569901	-0.02569901
PNRC1	-0.05917202	-0.1205133	0.1388243	0.06064335	0.07362357	-0.0321398	0.3421526	-0.3421526
MGAT2	-0.00963511	-0.03814601	0.03926244	0.03677206	0.01576072	0.09322867	0.03667747	-0.03667747
P2RY11	-0.01007044	0.02663858	0.1448083	-0.02490335	0.01234714	0.07743943	-0.06573065	0.06573065
RNF145	-0.09143082	0.09601027	0.02660089	0.03692191	0.01465932	0.04222169	-0.03048375	0.03048375
MID1	-0.04913282	0.04357791	0.0234342	-0.08416185	0.03549395	-0.05688776	-0.00516063	0.00516063
ZNF181	0.01203755	0.01861099	0.02015837	0.0289869	-0.02059079	0.01111338	-0.01465233	0.01465233
ZNF77	-0.07343846	0.1075931	0.08569511	0.02852982	0.0159612	0.04543561	-0.167652	0.167652
DUSP22	0.02179368	-0.09425285	0.06187735	-0.0151327	-0.00270206	0.00168702	0.2104293	-0.2104293
STON2	0.07600185	-0.02935785	0.01880412	0.07315492	0.00323461	0.05432993	-0.02866411	0.02866411
MDH2	-0.01063889	0.09843382	-0.0722124	-0.05400998	0.01945004	-0.02263894	-0.1466855	0.1466855
C21orf91	0.01294905	-0.05976569	0.1787172	0.07491015	0.00089718	0.04060933	0.1197482	-0.1197482
ZSWIM6	0.08759437	-0.04462433	0.09748496	0.1262339	-0.01926466	0.08467671	0.1102772	-0.1102772
PEX11G	0.01718382	0.02766374	-0.00529962	-0.08938569	0.04142652	-0.04146421	-0.07973464	0.07973464
KCNH2	-0.04328614	-0.05586284	0.00696147	-0.07775281	-0.01357074	-0.07891128	0.2096959	-0.2096959
PIIP5K2	-0.02056477	0.1733295	0.1184682	0.06853715	-0.04822584	0.03119617	-0.2140351	0.2140351
CHD1	0.02909918	0.1253561	0.1904525	0.08006406	-0.01145868	0.1138373	-0.0973914	0.0973914
LRRC40	-0.05122361	0.05337443	0.102732	0.02337003	0.01706809	0.06091082	-0.1888901	0.1888901
CHSY3	0.00336263	-0.03013836	0.1579044	0.101486	0.05056127	0.04132782	0.4845672	-0.4845672
C5orf22	0.02503635	0.1103561	0.03307622	-0.027265	-0.01108434	0.01666004	-0.1748264	0.1748264
CDK19	0.05258612	0.05631046	0.153318	0.1018881	0.00541932	0.09475172	-0.09418045	0.09418045
GIPC3	0.06739926	-0.02853336	0.1234902	0.00379869	0.05604716	0.0748408	0.3584499	-0.3584499
EGFL7	-0.1311036	0.05436468	-0.00021634	-0.03398059	-0.00561661	0.03441836	0.1694625	-0.1694625
NIPSNAP3A	0.0163819	0.1122989	-0.00096773	-0.03026729	-0.02389453	-0.07041431	-0.0637576	0.0637576
HAGH	-0.03807281	-0.03446106	0.02041093	-0.04506735	0.00750041	-0.04625001	0.1461817	-0.1461817
AZGP1	0.0782615	0.02220021	-0.1498322	-0.1117394	0.03185749	-0.07537421	-0.1502347	0.1502347
BICRAL	0.05490038	0.08229013	0.02901666	-0.00189028	-0.00872455	0.00546115	-0.0042337	0.0042337
KIF13B	-0.02968773	0.03858084	0.03039633	-0.00434344	0.02452221	-0.01106245	-0.1405571	0.1405571
PRAM1	0.05043871	-0.08083086	0.1751022	0.02974492	-0.00389837	-0.03318149	0.3391614	-0.3391614
RAD52	-0.04409478	0.0162153	0.06545713	0.05811102	-0.00404594	0.08529371	-0.01506207	0.01506207
MAX	-0.1343248	0.1152639	0.1097985	-0.0539034	-0.01221196	0.03570609	0.02294434	-0.02294434
MYRF	0.00677181	0.03154422	-0.05566624	0.08292127	-0.00117322	0.1233331	-0.1628766	0.1628766
ANKMY2	0.09055354	0.08033465	0.1265972	0.01372363	-0.02295985	0.00577287	-0.244806	0.244806
FOXO6	-0.03187252	-0.01664637	-0.0320936	-0.03731399	-0.071686	0.02948251	-0.01852832	0.01852832
MPP7	0.03705921	-0.05968708	0.06466067	-0.07041159	-0.04557744	-0.07131905	0.04126239	-0.04126239
KAT2A	0.00481497	0.07785488	0.08279125	-0.0328936	0.03337664	0.02713999	-0.2235158	0.2235158
AK2	-0.03428653	0.03584208	0.01819224	0.00741374	0.00509922	0.05336182	-0.257821	0.257821
PLXNA3	0.08266732	0.05955084	0.03261467	0.07324303	-0.01244861	0.1220943	-0.1162576	0.1162576
ALOX15	0.06076066	-0.07138511	0.01835992	-0.05969311	-0.02676178	-0.02133925	-0.05581945	0.05581945
CCT6A	-0.01048001	0.1389195	0.1244021	0.04012221	0.01931501	0.0884196	-0.2740375	0.2740375
TOLLIP	0.02217568	-0.02256797	0.02036468	-0.05106409	-0.01385587	0.03573517	-0.01438741	0.01438741
ERMN	-0.01046723	0.0641955	0.09611804	0.09899998	0.0427487	0.00268741	0.1275104	-0.1275104
PSCA	0.04883922	0.08233646	-0.03496364	0.05944516	-0.06995592	-0.04108981	-0.146558	0.146558
TCEA2	-0.04182958	-0.07065752	-0.00065904	-0.03062495	0.0046206	-0.00420947	0.2406317	-0.2406317
STK3	0.01097925	0.09331109	0.1110178	-0.01481109	0.04770902	0.01816652	-0.04551462	0.04551462
SLC12A7	0.09446757	0.1260857	-0.00519792	-0.0509436	0.00314877	0.07414663	-0.08690881	0.08690881
SLC29A4	0.03019104	-0.09756185	-0.05388489	0.02122036	-0.05646604	0.02077268	0.03417242	-0.03417242
IFNGR2	0.03916976	0.1512704	0.01392934	-0.05855108	0.0770756	-0.06624149	-0.06851766	0.06851766

AL121753.1	0.09084517	-0.07945055	0.05391937	-0.01828795	0.04115622	0.00467549	0.1011895	-0.1011895
TMEM250	-0.05801581	-0.02401137	-0.03156899	-0.01958295	-0.01646014	0.05498367	0.01488569	-0.01488569
USP6NL	0.08582724	0.01551219	0.03184173	-0.04996661	0.01105472	0.02495582	-0.1690947	0.1690947
UTY	0.5450046	-0.1235665	0.01020692	0.07707995	-0.02430639	-0.03325586	0.02329276	-0.02329276
C9orf116	-0.0354631	-0.02287604	0.0196774	-0.1193786	-0.01635811	0.03764147	-0.03959204	0.03959204
MGAT4B	0.06350937	0.0809471	-0.0229597	0.04639691	0.01536911	0.02169486	-0.1964917	0.1964917
EDA2R	-0.07723837	-0.05391419	-0.00255741	0.03051798	0.04351385	0.00599603	0.2511528	-0.2511528
SAMD9L	-0.02276514	0.09721926	0.1766518	0.02543948	0.02091967	0.08178843	-0.00448862	0.00448862
WSCD2	0.04529609	-0.1112921	0.08278982	-0.02543932	-0.01029601	-0.01212341	0.2539657	-0.2539657
MCM6	-0.105617	0.1053486	0.07601889	-0.00642954	0.02928999	0.03119732	-0.2248104	0.2248104
NDUFB3	-0.06921336	0.06975077	-0.00825599	-0.05170985	-0.01722321	0.01263082	-0.2474522	0.2474522
DVL1	0.00281915	0.02882174	-0.06013537	-0.02565946	0.00199039	0.0186523	-0.1578104	0.1578104
SH3RF2	0.04050594	0.1068134	-0.03988096	-0.03210981	0.05201981	0.03052008	-0.2640003	0.2640003
RTTEL1	0.00867356	0.05721289	0.04534267	0.00238391	-0.01925504	0.04704439	-0.01849808	0.01849808
KCNJ2	0.09349096	0.1154393	-0.1301247	-0.1476376	0.01668164	-0.1279386	-0.05345844	0.05345844
GALNS	-0.00650166	0.06935131	0.06836373	0.01135014	0.04934147	-0.02091439	0.07711249	-0.07711249
GORAB	0.08192061	0.03863619	0.1609743	0.1115204	0.05694333	0.08815354	-0.05941904	0.05941904
GAS2L1	-0.1064151	0.04313472	-0.03176367	-0.1322292	-0.06113645	0.01554605	-0.012044	0.012044
C4BPB	0.01729821	0.06947317	0.01163645	0.1175911	0.02466662	0.093972	-0.1935541	0.1935541
AUP1	-0.00396933	0.1380453	-0.09884277	-0.03626705	-0.0349709	-0.01174713	-0.1545866	0.1545866
NFATC2	0.0439877	-0.06237217	0.1245621	0.1159158	-0.02353133	0.1122149	0.06832949	-0.06832949
MCM7	-0.02818584	0.1139342	-0.03503172	-0.01815579	-0.01207238	0.00982511	-0.1990517	0.1990517
ATP5MF	-0.03583876	0.00753911	-0.0926094	0.01366499	-0.03843407	-0.01599514	-0.1065577	0.1065577
TCAF1	0.02821241	0.06190536	0.09438903	0.01777756	0.08435408	0.04316626	-0.05736224	0.05736224
CCDC50	0.00814769	-0.1222315	0.1678603	0.08671877	0.00479855	0.04317696	0.3312582	-0.3312582
TTI1	0.04340434	0.02766542	0.03357902	0.07951591	0.01855585	0.09675381	-0.112865	0.112865
SLAMF1	-0.05637581	-0.02480127	0.154602	0.09063738	0.01086573	0.08343368	0.1307138	-0.1307138
MAPK8IP3	0.1406326	0.08193032	0.01271645	0.06549884	0.09210422	0.0331941	-0.06329977	0.06329977
FP565260.6	0.01420577	0.03202702	0.08710309	0.06195684	0.01234345	0.05075345	0.00347362	-0.00347362
DTNA	-0.01955746	-0.1780514	0.09287202	0.05675558	0.00867596	-0.05397335	0.3064397	-0.3064397
MALSU1	-0.07264128	0.1049026	-0.00420764	-0.02821302	0.02988501	0.00138742	-0.07734405	0.07734405
MBNL2	0.02981979	-0.04167012	0.1368816	0.07137907	0.06340573	0.07697702	0.1565742	-0.1565742
KCNK10	0.04976421	0.07156938	0.00178788	0.0229187	-0.03830326	0.01158336	-0.140214	0.140214
NME7	-0.02089829	-0.09533851	0.0388192	0.08269435	0.00661602	0.01509859	0.05267233	-0.05267233
RND1	-0.01692324	0.00572862	-0.02360884	0.02829263	-0.0209166	0.03723912	-0.07231992	0.07231992
HHAT	0.09334848	-0.05951863	-0.006824	0.06328268	0.03880576	0.02597253	0.02588398	-0.02588398
TFAP4	-0.04643258	0.04853178	0.1106813	0.00990916	0.02426744	0.08450168	-0.1710854	0.1710854
ZNF280C	-0.00113901	0.03039416	0.1340775	0.03031697	-0.01716189	0.1370251	-0.1103809	0.1103809
MAPRE2	0.03546542	-0.02621854	0.1476997	0.04170303	-0.01154102	0.02503995	0.2335963	-0.2335963
LSM2	-0.1108742	0.07237683	-0.08582072	-0.0850431	-0.02898504	-0.09856983	-0.1375902	0.1375902
TXNDC15	-0.00068246	-0.1192843	0.1766126	0.08359946	-0.02371828	0.06683627	0.4109423	-0.4109423
TRAIP	-0.04523908	0.1107871	0.01075548	0.0025164	-0.00842429	0.04220547	-0.2596619	0.2596619
OSBPL7	0.1244129	0.01827018	-0.03498733	0.07901241	-0.02297815	0.06692834	-0.1705589	0.1705589
UPK2	0.03397428	-0.05017101	-0.03607374	0.05896093	0.08312582	0.1036403	0.07882915	-0.07882915
DNAJC4	0.00957559	-0.03932794	-0.09040917	-0.03391453	-0.00495953	-0.07253008	0.1665015	-0.1665015
SPACA9	-0.03929239	-0.09580767	0.04126038	-0.0681453	0.0735193	-0.02163771	0.1851813	-0.1851813
LRRC37A2	0.0288213	0.05854557	0.01875288	0.02982531	0.1076457	0.03637355	-0.02090561	0.02090561
AARSD1	0.06272066	0.03483251	0.08700224	0.04770771	0.1296867	0.05919842	-0.09788236	0.09788236
GPSM1	-0.05925081	-0.03820196	-0.03479984	-0.02067397	0.01929988	0.00550648	0.1876505	-0.1876505
QSOX1	0.05626326	-0.00875384	-0.0557287	0.05636344	0.02379766	-0.03941283	-0.1003267	0.1003267
BABAM2	0.00325721	-0.00796823	0.01761336	0.03224777	0.07374054	-0.05848722	-0.1168188	0.1168188
SNRNP200	0.01807851	0.06302416	0.07593963	0.09420756	0.00263554	0.1063634	-0.1474454	0.1474454
KIF4A	-0.00046363	0.1026125	0.0005898	-0.01767259	-0.02931181	0.04484223	-0.287294	0.287294
FLT4	0.09456692	0.07910276	0.1227871	0.02233782	0.08530328	0.04509518	0.326963	-0.326963
ZBED5	0.08484998	0.04137247	0.1250555	0.1213972	-0.02802784	0.1063834	0.00725201	-0.00725201
HOXB6	-0.00148672	0.05963432	-0.0940948	-0.01606006	0.007159	-0.02848761	-0.06264662	0.06264662
SLC9A3R1	0.03462432	0.03412528	-0.0997342	0.03128845	0.08992481	0.03710499	-0.2957721	0.2957721
HNRNPUL1	-0.02314391	0.03911695	0.03672469	0.03031101	0.01937552	0.06709995	-0.07129155	0.07129155
NOLC1	-0.0901816	0.1102216	0.03605032	-0.00177276	0.03911876	0.05951668	-0.219548	0.219548
PGM2	-0.02973104	0.07737585	-0.00341903	-0.04415967	-0.01449968	-0.05100784	-0.2375991	0.2375991
SYTL1	0.07052789	-0.0237525	-0.1167195	0.00205149	-0.01284472	0.01306365	-0.1093447	0.1093447

AKT3	-0.01760863	-0.1258232	0.1607195	0.06846303	0.02506095	0.00143287	0.4902687	-0.4902687
SLC35F1	0.03820272	0.01134872	-0.00672101	-0.03223235	0.00595911	-0.05841271	0.2045694	-0.2045694
ACOT7	-0.06492505	0.09455926	-0.05799447	-0.08351079	0.01652381	0.00561948	-0.09335579	0.09335579
TACC3	-0.06920657	0.06985038	-0.06080741	-0.01896759	-0.03178545	-0.00090804	-0.2226154	0.2226154
INTS3	0.00199015	-0.02635847	0.05016688	0.09567492	0.00811749	0.07952258	-0.1092636	0.1092636
WVOX	0.08585291	-0.02621364	0.06942029	-0.00628042	0.01819664	0.00350411	-0.02970593	0.02970593
TMEM187	-0.0927193	0.1299033	-0.01950218	-0.02974858	7.85E-05	-0.02156137	-0.08958106	0.08958106
ERMP1	0.06522381	0.01668921	0.02509861	-0.02680977	-0.00401073	-0.01523952	-0.2356853	0.2356853
SPATA25	0.06998166	-0.04700187	0.03879294	-0.015984	0.0132007	0.02073705	-0.1038882	0.1038882
PANX1	0.05465527	0.05385929	0.06693461	0.03233892	-0.0134423	0.0102329	0.130172	-0.130172
FBXO31	-0.0154503	-0.01141141	0.1124909	0.03442703	0.0941977	-0.01355911	0.1417662	-0.1417662
ARNT2	0.03473696	-0.07220362	-0.0718712	-0.05253687	-0.02384	-0.03001082	0.02766881	-0.02766881
SP4	0.06441959	-0.1125733	0.1267537	0.05933454	0.00847539	0.09293662	-0.00517834	0.00517834
FAT1	0.03243486	-0.01567078	0.1087972	0.07177177	0.1041395	0.1713509	-0.1156748	0.1156748
CARMIL1	-0.00049774	0.1567029	0.1006743	0.0239911	0.0634615	0.08472049	-0.3433788	0.3433788
MILR1	-0.00331427	-0.1082036	0.1256475	0.1023324	0.07080905	0.0434974	0.2835477	-0.2835477
CCDC9	-0.04683783	0.01234534	0.03855157	0.00430789	0.03094004	0.02224336	0.1747146	-0.1747146
MICALL2	0.03674312	0.07971253	0.09478253	0.04948895	0.0287665	0.1120563	-0.1569913	0.1569913
DDX23	0.0590723	0.07872178	0.04923515	0.0519268	0.0352861	0.1031903	-0.176817	0.176817
TLE6	-0.00396219	0.00079652	-0.01895864	-0.0735647	0.02110291	-0.0643886	-0.09673991	0.09673991
BBC3	-0.02475899	0.07890127	0.1558331	-0.00431816	0.03101326	0.07753657	0.06313742	-0.06313742
EIF1	0.06301817	0.04845306	0.01067693	0.00886969	0.02839249	0.05995774	-0.07602179	0.07602179
IL4I1	-0.02075641	0.05816814	0.09962012	-0.03445046	0.04227804	0.04296896	0.2100232	-0.2100232
KIFC3	0.06437575	0.0639808	0.03739375	0.09677981	0.04125048	0.1261772	0.1568273	-0.1568273
RPS23	-0.06217744	-0.03751256	0.1700569	0.1207145	-0.05417142	0.1102107	0.07845971	-0.07845971
DDX55	-0.05861033	0.00568585	0.1065858	0.06505608	0.01784337	0.1272187	-0.1542596	0.1542596
PLAUR	-0.04680155	0.1586551	0.07510224	3.53E-05	-0.00615584	0.01777482	0.08031617	-0.08031617
ZNF212	0.07353445	0.082067	0.03633426	-0.00435934	0.05380147	0.04357869	-0.1087022	0.1087022
NYNRIN	0.1105875	-0.07263024	0.00311163	0.0829426	0.08492731	0.09874279	0.09101518	-0.09101518
OPN1SW	-0.03036416	-0.00453028	0.1678867	0.1169095	0.02435439	0.01919667	0.302834	-0.302834
ZNF415	-0.00920844	-0.1348322	0.03124813	0.01328103	0.0619857	-0.02991335	0.128584	-0.128584
CEACAM4	0.09572331	0.08408716	0.1335205	0.00904729	-0.0520784	-0.07576071	0.196506	-0.196506
GAS2L3	-0.00216356	0.02860297	-0.02542682	0.05384298	0.04376901	0.05840691	-0.1797582	0.1797582
SLFN5	0.03038373	0.0390147	0.1818685	0.03155957	0.03779131	0.1132089	0.1176789	-0.1176789
PLCB3	0.0363343	0.1530197	0.01005722	-0.02674998	0.04481442	0.0186638	-0.2688752	0.2688752
ZNF837	0.07862457	-0.00035142	-0.1030307	-0.1115397	0.06546215	-0.09913112	-0.01491162	0.01491162
PTN	0.03199179	-0.1601073	0.05168781	0.00957793	5.22E-05	-0.05588654	0.3496878	-0.3496878
TSNARE1	0.0334508	0.07872491	-0.00905721	-0.1304052	-0.04121147	-0.01637336	-0.05675525	0.05675525
SELENBP1	0.1537067	0.03748069	-0.1277963	0.00512219	-0.04273253	-0.04327219	-0.2796768	0.2796768
GABARAPL1	-0.00486308	-0.1163602	0.07438054	0.04921795	-0.01830875	0.018035	0.4370867	-0.4370867
CD58	-0.02337637	0.07607287	0.02555822	0.00659067	0.0237517	-0.01947669	0.02792043	-0.02792043
HSPA1A	-0.1068313	-0.03360765	-0.1002887	0.00387954	-0.00988274	-0.0013802	-0.00290183	0.00290183
SIMC1	-0.00848429	0.03994356	0.03646855	-0.02713525	0.07632005	0.06159204	-0.1225224	0.1225224
UBE2Q1	-0.00558579	0.01362509	-0.05199852	0.0122797	0.03181576	-0.01098107	-0.09889583	0.09889583
QARS	0.03668721	0.0917836	-0.06647322	-0.00689035	-0.08118197	-0.02258658	-0.2703221	0.2703221
ASNSD1	-0.08158659	0.04728773	0.1854752	0.08193547	-0.03195822	0.09285427	-0.09826953	0.09826953
POLD2	-0.037386	0.06509161	-0.06943885	-0.04419369	0.03100173	0.03687594	-0.2098409	0.2098409
MVB12A	0.02688199	0.06007335	-0.06550575	-0.09493902	0.00150639	-0.02044712	0.00226069	-0.00226069
IGF2BP3	0.00815365	-0.02588802	0.02766536	0.02064395	0.01464952	0.04358803	-0.0736643	0.0736643
SMIM1	-0.06091534	-0.04953385	-0.03489697	0.00556166	0.00778406	0.01172801	0.03011915	-0.03011915
PSME2	-0.07866732	0.1564772	0.05360602	-0.0490637	-0.05760905	0.03897274	-0.1840195	0.1840195
ADPRHL1	-0.02314375	-0.04680899	-0.1113194	-0.07741294	-0.00850185	-0.04534501	-0.142142	0.142142
SLC4A8	0.06558967	-0.1596853	-0.00440757	0.04151814	-0.03110883	0.06463929	-0.0852259	0.0852259
EHD1	-0.05844766	-0.00197127	0.0630361	0.03919427	0.00208429	0.1042374	0.04791537	-0.04791537
LYNX1	0.02677857	0.04174782	-0.01298836	-0.01716978	-0.02763951	0.06875128	0.04975996	-0.04975996
RAPGEF5	0.08175152	0.13565	0.1063239	0.06329088	0.09311556	0.04098079	-0.08496973	0.08496973
GRAP	-0.04433805	-0.02184951	-0.01536693	-0.06741459	-0.00718728	-0.03444248	0.209912	-0.209912
SLC2A11	-0.0013778	0.01734909	0.03714117	0.08603609	0.08791518	0.04825513	0.06143203	-0.06143203
TSG101	-0.04132093	0.06315089	0.09841176	0.0083382	-0.01473985	0.09335744	-0.05283869	0.05283869
NDUFA13	-0.08738786	0.01137484	-0.02718327	-0.03992956	-0.02813414	-0.00487652	-0.05996941	0.05996941
NAGPA	0.0282485	0.0035525	0.02945126	-0.01898459	-0.05935267	0.02200587	-0.03349836	0.03349836

PRPS1	-0.07950062	-0.02688673	0.09833777	-0.03289015	0.0227751	0.06890747	0.00945521	-0.00945521
TMEM219	0.0471749	0.02002786	-0.02902493	0.0135037	0.03452108	-0.04403227	0.09200552	-0.09200552
GPR89A	0.09417251	0.08050825	0.02640264	0.06680055	0.05559621	0.00945028	-0.1936035	0.1936035
FNDC3A	0.06790855	0.04331495	0.1609558	0.115472	0.00072738	0.1148763	-0.1431711	0.1431711
CARD16	-0.06114467	0.08405518	0.1404205	-0.0098139	-0.04940563	0.04168498	-0.03938867	0.03938867
AKAP8L	0.08822409	0.02905704	0.03839087	0.02745157	0.08790334	0.06626442	-0.02274131	0.02274131
KRT23	-0.00608515	0.04930638	-0.07321908	-0.07837906	0.00803936	-0.03778222	-0.07503543	0.07503543
CMTM2	0.1113452	0.05217507	0.01699213	0.00319318	0.01279223	-0.0358797	0.03641142	-0.03641142
IMMT	-0.06063061	0.02605664	0.06796134	0.03193406	-0.03449319	0.06306698	-0.2888953	0.2888953
MT-ND4L	-1.62E-05	0.07585886	-0.07331707	-0.05829799	0.00190956	-0.1535776	-0.08571486	0.08571486
LRCH4	0.154073	0.05089219	-0.02072824	0.02445126	0.04305022	0.04299925	-0.01945555	0.01945555
PRR11	0.00570814	-0.00681535	0.04450734	0.05777647	0.00130283	0.1114563	-0.177496	0.177496
NDUFA8	-0.1233411	0.09080563	0.038987	-0.07243719	-0.0439391	0.00936186	-0.1293608	0.1293608
GPNMB	0.03690967	-0.0177093	0.2140921	0.1117332	0.03180113	0.06741661	0.245525	-0.245525
TMEM200A	-0.1332329	0.1199551	0.03228883	0.05545777	0.00771071	0.02359393	0.08813588	-0.08813588
TMTC1	-0.08504722	-0.08136704	0.05257431	0.1023043	0.01433466	0.05786475	0.1806427	-0.1806427
TTF2	-0.1292323	0.1040654	0.1301515	0.01804178	-0.04465813	0.06752486	-0.2052104	0.2052104
ADAT2	0.05141373	0.04882121	0.06737996	-0.03762313	-0.01851057	0.02791109	-0.2434251	0.2434251
ECD	-0.05430374	0.01030497	0.05693526	0.09224676	-0.03462369	0.09274349	-0.04376249	0.04376249
IFIT2	-0.02103537	0.0652615	0.1563658	0.05049294	0.02119383	0.03648138	0.2182104	-0.2182104
HOMER1	0.03188896	0.00584329	0.1981113	0.09839871	-0.06817551	0.1349406	-0.07433804	0.07433804
SRSF1	-0.05032757	0.1051148	0.05661863	0.03907701	0.00031437	0.07459573	-0.3009829	0.3009829
ISL1	0.02593191	-0.2235554	0.1015889	0.05590417	0.04411214	-0.08093225	0.3710538	-0.3710538
SLC44A1	0.08658539	0.04671261	0.1071289	0.05548012	-0.00633698	0.09449938	-0.2209029	0.2209029
MOV10	-0.01355539	0.1233398	0.0217424	-0.01380426	0.01524092	0.04174851	-0.1124318	0.1124318
RRS1	-0.058852	0.03403239	0.05929776	-0.00288089	0.01191262	0.0780199	-0.163002	0.163002
CREBBP	0.01793693	-0.05500895	0.1407441	0.07863517	0.02318187	0.09954951	0.1371635	-0.1371635
GPR37	0.06711117	0.03372431	-0.09506032	-0.1196396	-0.04829315	-0.1152643	-0.03351168	0.03351168
TMEM37	0.043498	-0.1184931	-0.06055853	0.02673949	0.00500555	-0.0433002	0.00606018	-0.00606018
DDAH1	-0.00040378	0.09250448	0.06468905	-0.00769109	-0.04466213	0.02204119	-0.3285781	0.3285781
LDHD	-0.05345209	0.09884854	-0.09884392	-0.01122602	-0.02706742	-0.04291217	-0.2874727	0.2874727
SYPL1	0.00895508	0.02458628	0.05154113	0.08104929	-0.01021695	0.0007694	-0.1503878	0.1503878
CCNI	0.01918696	-0.08971779	0.1432115	0.0607863	-0.00374651	0.04523281	0.1897593	-0.1897593
UMAD1	0.01633061	-0.04387434	0.1929214	0.1220688	-0.01794579	0.06296222	-0.08453007	0.08453007
SLC22A18	0.06851979	0.08656139	0.04276481	0.05510284	0.0012145	0.06648012	-0.1782481	0.1782481
ZNF691	-0.0072257	-0.01733135	-0.0250127	-0.02053518	0.0600864	-0.01679407	0.08802821	-0.08802821
CHST10	-0.00571009	-0.06835335	0.01421801	0.02738549	0.05237573	0.03552877	0.2495315	-0.2495315
SUFU	0.01683173	-0.08734533	0.02330701	-0.0080249	-0.00079615	0.01158414	0.2490644	-0.2490644
CLASP1	-0.00276487	-0.01988301	0.1176732	0.04473824	0.0151596	0.03581996	0.1246741	-0.1246741
C1QTNF6	-0.04179402	0.02880697	0.02023248	0.02002371	-0.02804105	0.00384031	0.4003241	-0.4003241
IER2	0.02054545	0.00498199	0.00604739	-0.09400829	0.04722506	-0.06947982	-0.01073603	0.01073603
PHOSPHO1	-0.03993821	0.02701091	-0.00031938	-0.0086723	-0.00734441	-0.00204983	0.1207463	-0.1207463
TASP1	0.1372004	0.03653712	0.1137205	0.03170354	-0.02202145	0.06396875	-0.07422656	0.07422656
PTHLH	-0.08820137	0.00294165	-0.01303379	-0.03985913	-0.00692302	-0.040725	0.2054575	-0.2054575
C2CD2L	-0.04062736	0.1024072	0.03088022	-0.0254606	-0.01858196	0.06590661	-0.2240114	0.2240114
POLR3C	-0.01339497	0.02662152	0.03086705	0.07240236	0.04942967	0.08448124	-0.1097722	0.1097722
C2CD4D	0.02023478	0.07958552	-0.09855202	-0.08573116	0.01936336	-0.04226136	-0.0838484	0.0838484
GPATCH8	0.03837674	0.053242	0.1364324	0.07739213	0.08150853	0.1519262	-0.02798107	0.02798107
IFNGR1	-0.04175403	0.1432812	0.09216758	0.05686593	0.02032829	0.03480155	-0.1352508	0.1352508
ACTN1	-0.03619547	-0.1195982	0.1074588	0.0114554	0.03352943	-0.02317167	0.4167598	-0.4167598
ZNF527	0.03230209	-0.03272277	0.1110504	0.02180727	-0.00511595	0.0349449	0.05773742	-0.05773742
ZNF354A	-0.05241412	0.01298009	0.1981778	0.0142693	0.00582902	0.07036312	-0.02316653	0.02316653
UBE2L5	-0.1450591	-0.101563	-0.03423369	-0.1008271	0.05366314	-0.02753527	0.0626818	-0.0626818
INPP5F	-0.05806401	-0.01797118	0.07780878	-0.0317858	0.01715559	-0.00664479	0.1938846	-0.1938846
CIAO1	-0.01146951	0.06777615	0.05714306	0.05291853	0.00307985	0.1033074	-0.1396903	0.1396903
SLC37A1	0.01131211	0.1857098	-0.1356234	-0.056769	0.05650754	-0.09981365	-0.2497039	0.2497039
EIF2B5	0.06784205	0.08649513	0.01819752	0.05255632	0.02429381	0.06524814	-0.1739501	0.1739501
DGKA	-0.0324526	-0.08364105	-0.00082003	0.03551486	0.07413079	0.065884	0.01966012	-0.01966012
RUBCN	-0.05428343	0.00990158	0.1308031	0.0702346	0.03341276	0.1063954	0.1097237	-0.1097237
KMO	-0.02985471	-0.04748408	0.160447	0.09011351	0.02230383	0.0307125	0.114391	-0.114391
TMEM144	0.09109406	0.1006577	0.06088199	0.0298963	0.01500574	0.03884913	-0.2564702	0.2564702

MBD2	-0.1353383	0.1165248	0.09295718	0.0017705	0.00054355	-0.00660603	-0.01220567	0.01220567
MRPL24	-0.1107234	-0.04792312	-0.01782203	-0.05577996	0.04420362	-0.03394871	-0.06624991	0.06624991
SEMA4C	0.04098941	-0.05175181	0.0632827	0.02997558	0.04360251	0.03708642	0.3278122	-0.3278122
AGFG2	0.1561152	0.00074094	-0.03387687	-0.0621501	0.02197905	-0.00674415	-0.1100952	0.1100952
ANKRD40	-0.01063372	-0.04845508	0.1630988	0.08843951	0.08737417	0.08391002	0.2172218	-0.2172218
CMTM6	-0.00620882	0.03292413	0.07915742	-0.00353703	-0.00987516	0.05029286	-0.07967354	0.07967354
EIF3B	0.01117421	0.03121356	0.06020918	0.01349369	0.03403918	0.08642953	-0.2035314	0.2035314
ZNF721	0.02891281	0.09973516	0.04239949	0.03668865	-0.00214914	0.00933191	-0.1741925	0.1741925
NPIPA5	0.1074271	0.08033363	-0.0109677	0.09303977	0.1126712	0.03078325	-0.03979156	0.03979156
ZMYND15	0.01909451	0.1340019	0.09267117	-0.01412638	0.00889403	0.07124978	-0.04772691	0.04772691
OAF	0.01596209	-0.04751605	0.04972895	0.01753709	-0.03803893	0.02869756	0.06444906	-0.06444906
LGI4	-0.04253317	-0.1627221	0.1377314	0.06073567	0.1001847	-0.02184489	0.4434302	-0.4434302
CDX2	-0.00152406	0.08038091	0.01839683	-0.01275758	0.00223637	0.03516981	-0.129242	0.129242
PDP1	0.02117166	0.06073674	0.1046652	-0.0383587	-0.03169489	0.05746628	-0.1335246	0.1335246
C11orf71	-0.03664844	0.03545291	-0.02964781	-0.06453313	-0.07553384	-0.06015795	-0.1864044	0.1864044
ZNF695	-0.08690358	0.06500062	0.09662676	-0.04634019	0.00060556	0.01357608	-0.2059708	0.2059708
DHX35	0.1406949	0.02882074	0.1284495	0.08744899	0.04095158	0.1063875	-0.0560711	0.0560711
NFE2	0.1149462	-0.04877975	-0.00198493	-0.03138768	-0.03976732	-0.02465398	-0.02642657	0.02642657
THBS4	0.00342104	-0.1654563	0.1103952	0.02151611	0.00643475	0.02285915	0.3876289	-0.3876289
FH	-0.07838161	0.02743607	0.06987333	-0.04729927	-0.07459968	-0.01653925	-0.2881535	0.2881535
PFKM	-0.05804647	-0.00864774	0.09644524	0.05149821	0.0591291	0.1087919	0.03449459	-0.03449459
POLD1	-0.0117099	0.03100383	0.03314292	-0.05505674	0.04122911	0.02584538	-0.1248898	0.1248898
UBB	-0.1276503	0.05237017	0.06774107	0.04395883	-0.00368127	0.04977348	-0.09537603	0.09537603
SLC30A1	0.07885979	-0.01797641	0.1149827	0.05714276	-0.032745	0.02495534	-0.09273835	0.09273835
GSPT1	-0.05002521	0.02295818	0.1538072	0.07526483	0.110285	0.1252742	-0.1670079	0.1670079
MBTPS2	0.04999589	-0.00631364	0.1053405	0.04866167	0.0601424	0.106599	-0.02317617	0.02317617
USP8	0.04112062	0.03676448	0.1222715	0.0914832	-0.01083308	0.06889768	-0.1322753	0.1322753
PRORP	0.04945225	-0.00431447	0.04484818	0.04118614	-0.04743439	0.07858605	-0.1021909	0.1021909
BTBD9	0.0882165	0.00619072	-0.07229625	-0.03448673	-0.0285948	-0.02284671	-0.06283597	0.06283597
LENG1	-0.08823967	-0.0258343	-0.05180573	-0.04830985	-0.03266874	-0.02727094	0.2103848	-0.2103848
CCDC32	0.112528	-0.03715929	0.1470148	0.03529384	0.02672767	0.04259105	0.1098329	-0.1098329
ZW10	-0.0515991	0.04608555	0.06905874	0.03883603	-0.0562317	0.03934883	-0.2419535	0.2419535
LXN	-0.03116365	-0.02257377	0.1243037	0.03379776	0.01543113	-0.01584457	0.2918267	-0.2918267
COX4I2	0.1101035	0.01683792	0.00840346	-0.01903155	0.03395468	-0.0629892	0.2825411	-0.2825411
SST	0.03618769	-0.09650241	-0.00490729	-0.06356802	-0.01861309	-0.02976598	-0.03632179	0.03632179
TCEAL4	0.0421705	-0.1618777	0.1013149	0.00567803	-0.03746414	0.0008844	0.3798552	-0.3798552
PIWIL4	0.0706464	0.04224638	0.04568785	0.05804476	5.42E-05	0.09831972	-0.1511744	0.1511744
SMAD5	0.0675983	-0.044097	0.1458138	0.1379511	-0.01658407	0.1036866	0.04839197	-0.04839197
PBXIP1	0.0087517	-0.1391658	0.02796766	0.0459597	0.02565322	-0.02067853	0.3297423	-0.3297423
DNAAF3	-0.1423722	0.09234799	0.0710006	-0.09659526	0.03995637	0.00609216	-0.112611	0.112611
TMOD3	0.04986978	0.0552709	0.04365705	0.05778177	-0.02937632	0.05730022	-0.153119	0.153119
SLC51A	0.08236335	0.05119206	0.0187869	0.01325408	0.04458357	0.00765505	-0.06838898	0.06838898
ZNF414	-0.05408706	-0.0424383	-0.02774353	-0.09071561	-0.03432653	-0.03268961	0.07044392	-0.07044392
MYO1B	0.06222367	0.159894	0.01275189	0.08338351	0.04157181	0.05759561	-0.06573381	0.06573381
SNX16	0.04140151	0.01854858	-0.0601815	-0.04494687	-0.1219545	-0.07428	-0.1963245	0.1963245
FAM20B	0.01008494	-0.109859	0.1556407	0.09834075	0.03347963	0.06732488	0.05660126	-0.05660126
TFDP2	-0.02500636	-0.07451596	0.1136624	0.04560747	-0.01589339	0.0206062	0.1530066	-0.1530066
TSR2	0.05767963	0.02557864	-0.02222476	-0.04271798	-0.01289034	-0.0230031	0.02859225	-0.02859225
QSOX2	-0.02062479	0.09216863	0.0168677	0.01164542	-0.01944034	0.0805574	-0.1169842	0.1169842
STMN3	-0.09092168	0.03664635	-0.00486782	-0.0700078	0.00713137	0.03498743	0.1113147	-0.1113147
NCF4	-0.07266042	-0.02066028	0.1012739	0.01618435	-0.00846616	0.04675136	0.05949641	-0.05949641
SLC25A6	-0.08009545	-0.05538332	-0.03302737	-0.04396709	-0.0443201	0.01514692	0.03907318	-0.03907318
ODF3B	-0.00435741	0.06794037	0.04930376	-0.02916119	0.04483017	0.026833	0.1708373	-0.1708373
IL17REL	-0.03726185	0.01221212	-0.05222868	-0.05020294	-0.04336158	-0.04175298	-0.09193569	0.09193569
TRPS1	0.02005779	-0.0628415	0.06879632	-0.00197225	0.00196982	-0.04942014	0.2871943	-0.2871943
ZNF341	-0.01361204	0.06222256	0.02109276	-0.05169775	-0.01135797	0.03855218	-0.049209	0.049209
DUSP2	-0.08640091	-0.00341911	0.01284367	-0.02933174	-0.07138872	0.00568181	-0.07866657	0.07866657
KIF17	-0.07932724	-0.03733629	0.1231906	-0.04949224	0.01167475	0.04312491	0.1469939	-0.1469939
ARPP19	0.00257835	-0.00672107	0.1421299	0.04932186	-0.01830962	0.04553447	0.01885081	-0.01885081
GGT7	0.05357087	0.03282688	-0.03733843	-0.0322064	0.02770397	-0.0752056	-0.02256668	0.02256668
SNX19	0.05232165	0.00838412	0.1005763	0.01172145	0.04252781	0.06263552	0.1024638	-0.1024638

NACA	-0.1050604	-0.09428592	0.1699171	0.06902151	-0.07900477	0.1479995	-0.06278774	0.06278774
TM9SF2	0.03715508	0.1041816	0.06854532	0.06005484	-0.02799332	0.01699929	-0.2170638	0.2170638
ACTR10	-0.08400852	0.04547817	0.05315332	0.04838025	0.02593338	0.06943635	0.03931054	-0.03931054
NDUFB9	-0.07210345	0.1203573	-0.05696558	-0.0216945	-0.05447035	-0.03356178	-0.1170978	0.1170978
POLR3B	-0.05860765	-0.00988615	0.1187928	0.03669355	0.00457258	0.1056591	-0.2131951	0.2131951
ABRACL	-0.03021189	0.1255263	0.08739038	0.05453356	0.04160116	0.1216627	-0.1680751	0.1680751
SCML2	-0.1038356	0.06026591	0.02655216	0.02057561	-0.02782811	-0.00272531	-0.06393367	0.06393367
DDTL	-0.04590232	0.1035619	-0.06247021	-0.00493491	0.04686858	0.00861588	-0.2090541	0.2090541
STK40	0.02565491	0.00592873	0.08028288	0.02393922	0.03229291	0.07177019	0.04051656	-0.04051656
SURF1	-0.01442797	0.01796663	-0.00269211	0.00300503	-0.0149471	0.01343645	-0.05332824	0.05332824
GLIPR2	-0.04367952	-0.09400257	0.1848154	0.00256353	-0.00396612	0.01294254	0.414753	-0.414753
TCN1	0.00011881	-0.03425026	-0.05117188	-0.02159317	0.06685795	0.033557	-0.01545066	0.01545066
BTC	-0.02435611	0.05113561	0.03297676	-0.05517354	-0.03837776	-0.02406144	0.06596408	-0.06596408
MXD3	-0.0270357	0.1749049	-0.0569965	-0.03185981	-0.01593933	0.00859532	-0.1431058	0.1431058
CCDC88C	-0.01416387	0.08054325	0.06190928	0.03599023	0.06515783	0.05850598	-0.1951555	0.1951555
APPBP2	0.05251719	-0.0410205	0.08570347	0.05942142	0.02240606	0.01155667	0.02530656	-0.02530656
PCSK9	0.00915808	0.1324307	0.09658932	0.04086232	0.1114469	0.1208314	-0.2075738	0.2075738
FUS	0.04955048	0.03552931	0.05848503	0.0628303	0.0157	0.0651705	-0.0181941	0.0181941
CENPX	0.03780834	0.1033778	-0.1454139	-0.09470965	-0.04164573	-0.06880562	-0.1868946	0.1868946
TTC7A	0.01558802	0.08087669	0.01224871	0.02214867	0.01793847	0.07819876	-0.08256843	0.08256843
MFS10	0.06356923	0.05437858	-0.1059622	0.05628542	0.04475858	-0.02282713	-0.0260593	0.0260593
HIST2H2AA3	-0.04744781	0.01521281	-0.1232314	-0.06190116	-0.04617241	-0.07685061	-0.02108127	0.02108127
ARID1B	0.07519127	-0.01207711	0.118266	0.05742676	0.02992095	0.04133387	0.04582263	-0.04582263
SNRPB	0.00482978	0.107753	-0.00074439	-0.04566669	-0.05222791	0.02511329	-0.1617955	0.1617955
BATF	0.02389544	0.08154763	0.07381174	0.00141862	0.05221543	0.1217271	-0.05174376	0.05174376
GPR135	-0.0345172	-0.1327359	0.07241273	0.04381945	0.01287852	0.00735054	0.335844	-0.335844
MUL1	0.05619322	-0.00814368	-0.08694933	-0.04084598	0.0538266	0.0155194	0.05153997	-0.05153997
MBNL3	0.05434428	-0.07458752	0.06157067	0.07566592	-0.05624944	0.04696013	-0.1259875	0.1259875
IKBKG	0.0451024	0.04603779	-0.09071183	-0.0380138	-0.01820322	-0.04806352	0.04837189	-0.04837189
TLR3	-0.01907089	0.07144364	0.06566634	-0.009253	-0.02698261	-0.00052319	-0.04842808	0.04842808
CUL3	-0.01073293	0.07491719	0.08767757	0.06225799	0.01210429	0.08936453	-0.2204295	0.2204295
SPSB3	0.03040928	-0.08187264	0.07318839	-0.04946376	0.01877967	-0.01177208	0.103589	-0.103589
ZNF677	0.00734498	-0.1257288	0.07844637	0.07507908	0.01900927	0.01972164	0.2622253	-0.2622253
CT83	-0.07332293	0.1956055	-0.0031549	0.00460962	-0.0964314	-0.04794555	-0.1118086	0.1118086
PLEK2	-0.1089893	0.1393248	0.00196931	0.03991178	0.06539783	0.07162898	-0.236145	0.236145
ANKRD13B	-0.1032504	0.08615799	0.1010955	-0.04271015	0.05113464	0.03567403	-0.04862846	0.04862846
WFIKKN1	0.1721152	-0.00864256	-0.0904471	-0.06754148	0.01780265	-0.05827909	-0.1236931	0.1236931
SETD4	0.09916111	0.05924105	0.01613889	0.04182203	0.07143544	0.0778701	-0.2167923	0.2167923
PPP1CB	-0.01309882	-0.08367301	0.04554883	0.05574261	-0.00790238	0.02994842	0.02017759	-0.02017759
ANKS6	-0.00087061	0.08339567	0.07265398	-0.01631459	0.07192648	0.04570616	-0.119345	0.119345
YWHAH	-0.08281824	0.05042881	0.1594518	-0.06241242	0.05532939	-0.00267731	0.05102148	-0.05102148
SRM	-0.06264744	0.0159171	-0.0822689	0.03107116	0.01755778	0.03845286	-0.0698184	0.0698184
CIART	-0.0755639	-0.03127217	-0.106688	-0.1500733	-0.01457973	-0.08742724	0.01507084	-0.01507084
PYROXD2	0.09780849	0.02830345	0.00374946	0.03986522	0.08821616	0.03332813	0.0358342	-0.0358342
BRI3	0.07605126	-0.01013276	0.04716954	0.03612337	-0.0471623	0.01397328	-0.02627147	0.02627147
CIB1	-0.05177077	0.07008533	-0.08017716	-0.02040215	-0.01737598	0.05271992	-0.1648454	0.1648454
MBP	-0.01824173	0.1125887	0.09467714	0.04578313	0.08605809	0.03527355	-0.03868038	0.03868038
RAB37	0.06830941	0.00426655	0.07781984	0.07016257	0.1185031	0.06673571	0.0424474	-0.0424474
EAF1	-0.04439759	0.090686	0.0509654	0.03012233	0.00092671	0.0446859	-0.179643	0.179643
PABPC5	-0.02699431	-0.1985322	0.1932294	0.1061676	0.02791761	0.00083399	0.5385346	-0.5385346
CRACR2A	0.05745425	0.04865102	-0.04263124	-0.01926125	-0.03104482	-0.04521534	0.0373473	-0.0373473
CYB561D1	0.08872815	-0.04699252	-0.00408516	0.00547521	0.02684643	0.02901392	-0.00150143	0.00150143
CREBZF	-0.00661958	0.1248445	0.06077987	0.06031723	-0.0053491	0.08136534	-0.1470206	0.1470206
MGAM	0.10709	-0.04202837	0.02743527	-0.02912521	-0.03485448	-0.01573047	-0.1129659	0.1129659
CCDC7	0.00820367	0.06456118	0.05161704	0.02677062	-0.01311663	0.01475114	-0.06518142	0.06518142
EEF1E1	-0.08425268	0.02798282	0.04682538	0.01003625	-0.00094531	0.06006705	-0.1925035	0.1925035
ZDBF2	-0.03892346	-0.0967754	0.09111865	0.07221057	0.02562551	0.0484584	0.1864951	-0.1864951
RINT1	-0.06332109	0.0442918	0.07642004	0.04722943	-0.04003641	0.07230113	-0.1934031	0.1934031
AP3M1	-0.02622827	0.03227359	0.07951155	0.05631358	-0.0385517	0.1104023	-0.09074511	0.09074511
FBXL18	0.0659562	-0.07313906	0.03707369	-0.00060321	0.00891955	0.0617919	-0.03513621	0.03513621
TMEM238L	-0.05286208	0.1325841	-0.1340199	-0.01646104	0.03149151	-0.02417176	-0.2740094	0.2740094

AMY2B	0.06071788	-0.00919307	-0.02885772	0.00699569	-0.00697078	-0.00947652	-0.02963714	0.02963714
SPDYE2	0.132957	-0.09048777	0.07202673	0.08300267	0.07646869	0.00570546	0.1283748	-0.1283748
DHRS12	0.1457901	-0.0027935	0.00320688	0.06818712	0.06864846	-0.01144304	0.1815321	-0.1815321
RNF139	0.01566649	0.04795164	0.05516011	0.1055871	-0.03813984	0.03295649	-0.03094923	0.03094923
HKDC1	0.04922903	0.09555122	0.05807079	0.08258997	0.05912312	0.1079615	-0.1599692	0.1599692
SNTA1	-0.1061924	-0.0686749	-0.00650782	-0.06123715	-0.04767717	-0.05355922	0.1612271	-0.1612271
FN1	0.02788563	-0.02051238	0.1193623	-0.01550683	-0.02519065	-0.02536776	0.4956456	-0.4956456
CCDC125	0.1145437	0.08487719	0.06830137	0.07037107	0.00836346	0.1211383	-0.2395931	0.2395931
ATP2C2	0.02792883	0.2093297	-0.116509	0.031592	0.03498502	-0.063686	-0.2281958	0.2281958
TM2D2	-0.1304716	-0.05392665	0.04964421	0.03130358	-0.03620582	-0.04751146	0.04181986	-0.04181986
GBP4	-0.07061714	0.05449986	0.1706482	-0.01733405	0.01059794	0.05209043	-0.01974603	0.01974603
TEX49	0.01587201	-0.04170408	-0.06228262	0.06718871	0.0089012	0.00802354	-0.1017751	0.1017751
CRISPLD2	0.01055836	-0.1038441	0.1648229	0.08610537	0.05163133	0.03230165	0.5072304	-0.5072304
MSL3	-0.1057829	0.04986623	0.1842732	0.08074281	0.02310553	0.1121657	-0.0393337	0.0393337
INTS6L	0.01534332	0.05737613	0.1454762	0.1578452	0.03123797	0.128712	0.1061639	-0.1061639
LRTOMT	0.05579868	0.01011445	0.05614587	0.02392253	-0.0565588	0.03198761	0.04589275	-0.04589275
TUBAL3	-0.06284138	0.1455478	0.01911752	0.03652367	0.09097716	0.04575886	-0.1217184	0.1217184
CCDC170	0.05930618	-0.07378736	0.07745233	-0.01322549	0.01966175	-0.01751309	-0.00469241	0.00469241
MS4A2	0.0492279	-0.2025095	0.1649236	0.08902556	0.03434458	0.01336131	0.2642895	-0.2642895
SMCO4	0.02156085	0.108108	0.0501745	0.00808111	0.00792531	-0.02632608	-0.09822495	0.09822495
MYH7B	0.08268848	0.02761247	-0.05689271	-0.04259489	-0.03774437	-0.04706121	0.0763631	-0.0763631
CMAS	0.08590984	0.06046901	0.02904232	0.1080269	0.01062884	0.07484694	-0.1177884	0.1177884
ARL10	-0.02216486	-0.09450063	0.09028677	0.06381897	0.1056502	0.05389658	0.423489	-0.423489
RHOJ	-7.67E-05	-0.1242557	0.1345225	0.03542726	0.03686962	-0.0382066	0.4821946	-0.4821946
ZNF589	0.02776713	-0.00631978	-0.00822035	-0.03520399	-0.01888322	-0.01950291	0.04455701	-0.04455701
RPS20	-0.04183063	-0.05092015	-0.04011846	-0.06859069	-0.1021653	-0.0501211	0.05090338	-0.05090338
ERLIN1	0.02751991	0.09412355	0.02172661	0.01837667	0.01772186	0.01818195	-0.2154949	0.2154949
ZNF610	-0.02805708	-0.03691674	0.02958881	-0.06957722	0.0460631	-0.07298762	0.1548907	-0.1548907
HCN3	0.03247638	0.06534572	0.02108362	-0.01821092	0.04828544	0.06684775	-0.1472317	0.1472317
CACTIN	0.00342246	0.04033565	0.03889087	-0.01911519	0.04345907	0.04089574	0.04592723	-0.04592723
UGT2B7	0.04867666	-0.01795039	0.07248901	0.00523145	-0.00349969	0.04608612	-0.05219831	0.05219831
ANXA10	-0.09632487	-0.07810532	-0.02698876	0.1153933	-0.04429332	0.08335047	-0.1594751	0.1594751
SPRED2	0.06020393	0.02306197	0.05411375	0.09843675	0.01079918	0.07481654	-0.1186924	0.1186924
ASB16	0.03567663	-0.09577247	0.1064219	0.04062885	0.08779723	0.06161774	0.2213273	-0.2213273
TIMM44	-0.04644666	0.0738666	0.08391323	-0.03238795	-0.00875533	0.02174324	-0.1419256	0.1419256
SBNO1	-0.01877511	0.00960335	0.1347364	0.03764783	0.01633346	0.1393453	-0.1347791	0.1347791
SLC16A9	-0.01008819	-0.1202335	-0.07129052	0.02916534	-0.02111037	-0.09254324	-0.04615546	0.04615546
CHMP4A	0.03509248	0.04839462	0.03119396	0.01477044	0.04406516	0.07591266	-0.01726278	0.01726278
WDR55	0.02978024	0.08390868	0.03902535	0.06239781	-0.00289174	0.1101254	-0.1500299	0.1500299
CTSW	-0.02087739	0.02474179	0.09626792	0.00282265	0.01485934	0.03445321	0.2248839	-0.2248839
ZNF70	-0.01405915	-0.08995103	0.08957347	0.04589562	0.04283787	0.1007893	0.2615286	-0.2615286
WNT2	-0.00151865	0.03345377	0.09574027	-0.0200843	-0.00532501	0.01036572	0.3615694	-0.3615694
FANCF	0.0303406	0.03074105	-0.03578963	-0.05971297	0.03627332	0.04084731	-0.1395879	0.1395879
INCA1	-0.02043217	0.02665052	0.06044503	0.07193026	0.00498547	0.05446675	-0.06805587	0.06805587
AXIN1	0.00598358	0.04432992	0.05686768	-0.06291341	-0.01324546	-0.00968102	-0.114482	0.114482
DIABLO	-0.04560544	-0.00232113	-0.03851578	-0.04197734	-0.00514949	-0.01222525	-0.00150083	0.00150083
GBP1	-0.05761231	0.09244651	0.177252	-0.03142303	-0.00735887	0.05576615	0.00089379	-0.00089379
BOLA2-SMG1	-0.03290997	0.00105955	0.08166652	-0.01121679	0.06320744	0.07691257	-0.08994829	0.08994829
TOP3A	-0.05843089	0.09105145	0.05779756	0.00897316	0.025921	0.06003621	-0.01447378	0.01447378
ARHGAP45	-0.06457504	-0.02369312	0.1154983	0.04514216	0.06754303	0.09006877	0.1826627	-0.1826627
CCDC59	-0.09972655	0.00690115	0.1243462	-0.0172103	0.00770011	0.03949013	-0.1078526	0.1078526
TNNI3	-0.1776775	0.06544252	0.01395471	-0.1184935	0.09233759	-0.03352757	-0.01908563	0.01908563
PA2G4	-0.09617913	0.07788043	0.08692206	0.03798238	0.00877883	0.1119011	-0.2121089	0.2121089
SND1	0.04002776	0.09255687	0.01295039	-0.02018389	0.00752813	0.03237026	-0.164457	0.164457
AC009779.3	0.09050114	-0.06225157	-0.01899686	0.06293049	0.01705182	0.08453581	-0.00812155	0.00812155
SSR4	0.1010105	0.06903663	-0.06683013	0.00423756	-0.0802189	0.0325814	-0.04035187	0.04035187
GNG12	-0.02579424	-0.02914444	0.08876881	0.09550766	0.00921275	-0.01870712	0.05680929	-0.05680929
USP48	-0.06451538	0.08086473	0.09717686	0.05429847	0.08150154	0.06649644	-0.115173	0.115173
PROK2	0.06191613	0.1161414	-0.05568486	-0.00771309	-0.02268574	0.00524311	0.00539269	-0.00539269
ZNF418	0.01974281	-0.07812887	0.05609172	0.09163963	0.03907513	0.05608378	0.1912397	-0.1912397
PIAS4	-0.1131694	-0.01407214	0.01784227	-0.09688468	-0.02894845	-0.03292633	0.1079158	-0.1079158

PARS2	-0.02128792	0.1038608	-0.1079293	-0.02523641	0.0415041	0.0376346	-0.1946206	0.1946206
PTK7	0.09057953	0.00544184	-0.08550982	-0.05026633	-0.03481951	-0.03316017	0.02253494	-0.02253494
PRR14	0.03321657	0.02357595	0.02862458	-0.00032195	0.07262327	0.0240548	0.06299737	-0.06299737
FRYL	0.08218338	0.1102506	0.09705804	0.03528106	-0.01925391	0.05469086	-0.08753544	0.08753544
SCO1	-0.0589173	0.08975451	0.1816268	0.04878998	-0.01561785	0.1082749	-0.1213933	0.1213933
PCDHGC3	0.01995267	-0.1637719	0.08583367	0.02685603	0.05758543	0.0075211	0.4169485	-0.4169485
VAMP2	0.00394154	-0.1021305	0.09829825	0.03518339	0.01216099	-0.01541807	0.4231332	-0.4231332
FZD8	-0.07329731	-0.03492947	0.09092502	0.03861122	-0.01953752	0.06409281	0.383597	-0.383597
OSBPL1A	-0.04556684	-0.03684371	0.1515337	0.0864391	0.064902	0.03858451	0.1672568	-0.1672568
MAN1B1	-0.0190864	0.09937531	0.00627685	0.01988388	-0.00692896	0.04718268	-0.05795233	0.05795233
APOBEC3F	-0.03335831	-0.06222699	0.1321792	0.02428754	0.05538022	0.1410024	0.0797008	-0.0797008
GALNT7	-0.04268626	0.1167458	0.00750633	0.1078891	-0.0252257	0.05045412	-0.2688676	0.2688676
EDN1	-0.03427534	0.00455782	0.1025912	-0.01587162	0.05297727	0.00670471	0.1390593	-0.1390593
DCAF11	0.07209138	0.0607342	0.02133491	0.02161007	-0.02435167	0.04697739	-0.2080698	0.2080698
CHAC1	-0.05654999	0.07972727	-0.02641198	-0.07233537	-0.01475027	0.003478	-0.12613	0.12613
ADIPOR1	-0.04148211	0.04371645	-0.06370477	-0.05635526	0.06605304	-0.06326181	-0.1077558	0.1077558
PLK4	-0.02709445	0.08132237	0.02010195	0.03465236	-0.00712057	0.08887044	-0.3231832	0.3231832
PXN	0.01412015	-0.01003612	-0.00313642	0.03648665	0.00804538	0.0719706	0.01325028	-0.01325028
TUBA1A	-0.04178415	-0.167692	0.1335519	0.02088985	0.01050585	-0.03898472	0.5317197	-0.5317197
C7orf50	0.1042476	-0.04568569	-0.00250134	0.00413083	0.00437029	0.01990285	0.0160819	-0.0160819
SCAF4	0.04662106	0.05035197	0.03398609	0.0009204	0.05832934	0.07851983	-0.1527074	0.1527074
PPP2CA	0.03367317	-0.01810728	0.03976396	0.0674894	-0.02513078	0.1086456	-0.1036274	0.1036274
PDSS2	0.07358106	0.1092553	0.08932708	0.08925261	-0.03867967	0.080869	-0.1685403	0.1685403
CKAP4	0.1228102	0.02322563	-0.02575287	0.02004545	-0.05613533	-0.02408271	0.06766921	-0.06766921
BHLHA15	-0.07800639	-0.02684143	-0.07086104	0.03695673	-0.02340706	0.00202947	-0.01414598	0.01414598
GSE1	0.05971017	0.04033527	0.0367229	0.02974595	0.02794109	0.06590488	-0.1358975	0.1358975
TMUB1	-0.07996736	0.09846869	-0.06081455	-0.1605444	-0.00373936	-0.07710732	-0.1253563	0.1253563
DYNLL1	-0.1345184	-0.046527	0.01416998	0.00301585	-0.06880137	0.05384654	0.01454475	-0.01454475
ZIC5	-0.08742522	0.1429989	0.1594283	-0.03209599	-0.00716102	0.03464076	-0.08847444	0.08847444
UVRAG	0.00797756	-0.03968476	0.08020678	0.09605504	0.05200303	0.06518943	0.08680429	-0.08680429
IGF2	0.00816978	-0.01325386	0.0485981	-0.03309374	-0.05330277	0.01612378	-0.03810925	0.03810925
SLC5A1	0.04777769	0.05552582	-0.07930866	-0.09905392	0.0234042	-0.1008262	-0.1318986	0.1318986
THTPA	-0.04813808	-0.07661527	-0.03540462	-0.01872928	-0.02873416	0.02978981	0.06747919	-0.06747919
HEATR3	0.05806153	0.04465464	0.1459101	0.03460162	0.101544	0.1394871	-0.2184589	0.2184589
EDDM13	0.07682088	-0.02834011	-0.04375904	-0.01877177	0.1959465	-0.06054039	0.1216311	-0.1216311
TRIM27	0.03385878	0.08543205	0.07665651	0.06638359	0.02695281	0.128514	-0.2128559	0.2128559
TOM1L2	0.01081552	-0.03059827	-0.02319755	-0.04622119	0.02243835	-0.0358014	0.08449008	-0.08449008
GNRH1	-0.01115322	0.08838374	-0.01097645	0.06422856	-0.01459463	-0.00281077	-0.05204402	0.05204402
CSRP1	-0.03746586	-0.1604775	0.09703353	0.01170516	0.01933037	-0.05602751	0.360935	-0.360935
ARHGAP25	-0.05605234	-0.03507936	0.09812823	0.04475239	0.01911378	0.05371374	0.1415754	-0.1415754
ZNF765	0.00155626	0.0662569	0.1240966	0.0801599	-0.01400265	0.07413633	-0.1183874	0.1183874
ETV5	0.05199279	-0.06305772	0.02486485	-0.00591914	-0.00686201	5.17E-05	0.04136528	-0.04136528
PNISR	0.04858367	0.01521213	0.109012	0.1424809	0.03000362	0.0899537	-0.01140354	0.01140354
NAA15	-0.0081388	0.06558026	0.089679	0.0831885	0.07534433	0.1472271	-0.2380363	0.2380363
EGFR	-0.06752174	0.0001171	0.03465997	-0.06681285	0.03658055	-0.00044918	0.0552288	-0.0552288
SETD1B	-0.00075947	-0.01120519	0.08980798	0.03836886	0.01940136	0.07633391	0.04675668	-0.04675668
GRAMD2B	0.03432605	-0.05878104	0.06629156	0.06410244	-0.01348203	0.03552576	0.1288879	-0.1288879
PCDHGA9	0.00826573	-0.09566728	0.1459671	0.02829991	-0.02029489	0.01336371	0.4192703	-0.4192703
TMEM71	0.05679146	-0.05821188	0.05220464	0.02757476	0.01490978	-0.06855259	0.2186652	-0.2186652
RGS12	0.07459907	0.06577046	-0.1138782	-0.03357727	0.07584324	-0.03841291	-0.03602312	0.03602312
TRIL	0.0115966	-0.1090696	0.09222301	-0.00323887	0.01783068	0.01112269	0.3425565	-0.3425565
ADSSL1	-0.1511992	0.09433207	0.02110092	0.06521416	-0.06261363	0.0599522	-0.09012015	0.09012015
LDHC	-0.01954897	0.0291303	-0.0256303	-0.09715686	-0.01435764	-0.06388042	-0.02174114	0.02174114
BAMBI	0.03090693	-0.06849073	-0.06192525	-0.0791681	-0.03398363	-0.03001342	-0.07508359	0.07508359
TXK	-0.04438199	-0.06262055	0.08440083	0.03452569	0.05512199	0.07140909	0.07191437	-0.07191437
DUSP5	0.01831184	0.03663145	-0.04745222	-0.06371361	0.0776246	-0.00581098	0.09335653	-0.09335653
ZNF511	-0.1000229	0.1532236	-0.00410888	-0.104397	-0.0373222	-0.05964053	-0.1214451	0.1214451
UBN2	0.08575597	0.08295683	0.1134034	-0.01110629	-0.02971131	0.05277043	-0.1645708	0.1645708
APOC2	0.02229432	-0.1054405	-0.03187259	-0.01304657	0.00530876	-0.05123328	-0.01742439	0.01742439
IL23A	0.06279358	0.1250545	-0.1210605	-0.1250726	-0.03668961	-0.07642467	-0.02908576	0.02908576
HMBS	-0.096116	0.1349354	-0.00191343	0.00947909	-0.01572538	0.01438175	-0.282148	0.282148

LIPM	-0.06737273	0.05163821	0.05634487	-0.03558622	0.02859968	0.03522544	-0.1822478	0.1822478
G6PC3	0.02602835	0.03246225	-0.1365103	-0.04405353	0.1116464	0.00547337	-0.04939195	0.04939195
TBRG1	-0.00882917	0.1320864	0.1116952	0.09116325	-0.00218091	0.07414182	-0.05132288	0.05132288
ADPRM	-0.0629022	-0.05833634	0.1554788	0.04011726	0.03298029	0.04663895	0.1537347	-0.1537347
RTL6	-0.05380445	-0.05508542	0.08142222	0.01565418	0.00934915	0.0610118	0.06999384	-0.06999384
NME5	-0.08912273	-0.2028724	-0.0217856	-9.43E-05	0.03364129	-0.02257234	0.1360448	-0.1360448
HM13	0.07710684	0.08213679	-0.04756198	-0.02478545	-0.06150839	0.00301901	-0.1201235	0.1201235
C15orf48	-0.04204749	0.1042922	-0.03507812	-0.1354571	-0.02770245	-0.05525422	-0.05608485	0.05608485
NAA25	-0.00027358	0.05908339	0.08555685	0.03324195	0.02402825	0.09416409	-0.2380537	0.2380537
NEIL3	-0.1509703	0.1114151	-0.01229537	0.01423016	-0.0237429	0.05718201	-0.2768777	0.2768777
FAAH2	0.04869943	0.08952321	0.0050186	0.00725041	-0.04127936	0.1134678	-0.1843066	0.1843066
FES	0.0411001	0.03442536	0.07705177	0.03112733	0.06888957	0.0461081	0.1269034	-0.1269034
PPP1R16B	0.06303273	-0.02909944	0.07334262	0.06714538	0.03994654	0.05077599	0.1924603	-0.1924603
FBXO9	0.05359053	0.00304843	-0.00820616	0.00924418	-0.04178088	-0.02126764	-0.1049954	0.1049954
ICK	0.053243	-0.04286884	-0.01856769	-0.02366074	-0.05803873	-0.03806011	-0.1324231	0.1324231
RANBP1	-0.1192969	0.05114334	0.0097984	-0.07349704	0.01551846	0.01532395	-0.1551102	0.1551102
EXTL3	0.01899858	-0.00174633	-0.06257526	-0.09804144	-0.04505043	-0.1347587	0.1862526	-0.1862526
CMBL	-0.06484479	0.00428023	0.0259298	0.03750057	-0.03288262	0.00494635	-0.2522024	0.2522024
PIK3CG	-0.06512721	-0.01170762	0.1101503	0.06618371	0.03004754	0.08087659	0.05595875	-0.05595875
SYTL2	0.05187111	0.04557217	0.04264562	0.07757206	-0.05411046	0.04507807	-0.1684572	0.1684572
OAT	-0.0133459	-0.01705149	0.00429419	-0.05289295	-0.04124313	0.00054675	-0.1499348	0.1499348
SLC23A3	0.04444544	0.05890636	0.0799315	0.1258085	-0.02892438	0.07580982	-0.1444725	0.1444725
CLK4	0.01421857	0.04265617	0.1219675	0.1106459	0.04114137	0.110141	0.06483521	-0.06483521
ITGBL1	-0.02485073	-0.09751011	0.1258293	0.0678519	0.014206	0.06363917	0.4904931	-0.4904931
TFF3	0.02163446	0.1024157	-0.02721094	0.03198172	-0.01047797	-0.06568504	0.012169	-0.012169
ZNF343	0.01829207	0.1037261	0.07104497	-0.0102359	-0.01594983	0.03751097	-0.100623	0.100623
COA4	-0.1021567	0.1126182	-0.06037627	-0.03711282	-0.07953139	-0.01661535	-0.1245472	0.1245472
RAP1A	-0.03530621	-0.1311803	0.1376351	0.08834544	-0.00822023	-0.06684996	0.2513013	-0.2513013
JKAMP	-0.0390572	0.1503023	0.06969078	0.06385383	0.05448935	0.07144147	-0.09814387	0.09814387
LMO4	-0.04093267	-0.07895158	0.04982882	0.07905852	0.04877034	0.00165192	0.058858	-0.058858
TRIM31	0.01381438	0.1306851	0.04403104	0.00818048	-0.08490937	0.0286503	-0.2041151	0.2041151
NAP1L1	0.0092337	-0.1780724	0.1551564	0.04659152	0.00403638	0.09376747	0.2397226	-0.2397226
ZFP14	0.04377409	-0.06402699	0.1491649	0.07092769	0.04309053	0.08775439	0.1385086	-0.1385086
SLC24A3	0.0961633	-0.09600957	0.08360295	0.02767359	-0.02661753	0.02463109	0.4800335	-0.4800335
ZNF639	-0.07214026	0.04703955	0.1412449	0.02156842	0.00973518	0.07713701	-0.05972237	0.05972237
PQBP1	-0.01540403	0.024065	-0.02620189	-0.07420959	-0.01342143	0.02094619	-0.03187614	0.03187614
CTTN	-0.00084127	0.0237609	0.02585477	0.00104603	-0.0245425	0.03321284	-0.0778841	0.0778841
UNC93A	0.02334749	0.131173	0.0009171	0.00013919	-0.01636208	-0.02968862	-0.1590042	0.1590042
GPR25	-0.03457124	0.04923895	0.1189082	-0.00424544	0.00734543	0.1086989	0.04457241	-0.04457241
ENKUR	-0.02773309	-0.02015801	-0.07689792	0.02275591	0.03538001	0.04355342	-0.04339456	0.04339456
IFT88	0.00954892	0.04478743	0.1677356	0.08968401	-0.00815105	0.1361279	-0.1576225	0.1576225
THAP5	-0.1079065	0.04857688	0.1208864	-0.01178257	0.00586805	0.00463028	0.04087637	-0.04087637
BCAM	0.00107568	-0.05047582	-0.04667089	0.00664405	0.0018977	-0.0106856	0.119671	-0.119671
TP53BP2	0.08432718	-0.03724963	0.1374382	0.06261817	0.01758269	0.09292261	-0.0619404	0.0619404
ZFAND6	0.01836858	0.00248145	0.05702842	0.09064383	0.01403173	0.03690274	-0.07530549	0.07530549
PDE7A	0.02566999	0.00915826	0.02903094	0.07750101	0.01719147	0.03511026	-0.09176854	0.09176854
SMAD4	-0.02229996	4.88E-05	0.174419	0.0674153	0.00850936	0.08971073	0.04250306	-0.04250306
BBIP1	-0.00711852	-0.0368663	0.05456764	0.1014021	-0.01511176	0.07598846	0.2142813	-0.2142813
NCOA7	-0.02510854	0.1315814	0.108231	-0.01400907	0.00979101	0.00610659	-0.1719736	0.1719736
TMSB4X	-0.1236611	-0.051591	0.2215247	0.05249404	-0.00640035	0.08786909	0.130541	-0.130541
ARF3	0.04029304	-0.0066562	0.06992746	0.02691336	0.02018807	0.10819	-0.06127566	0.06127566
LZTS1	0.05616786	-0.06561267	0.1537069	0.05081143	0.06437716	0.08309311	0.4434006	-0.4434006
SAT1	0.03435291	0.08043183	-0.04705088	-0.1431669	-0.06471234	-0.08635218	-0.09199591	0.09199591
SMC6	0.01189607	0.09179717	0.1334141	0.04591416	0.03602888	0.0990644	-0.1615372	0.1615372
PDCL3	-0.1064117	0.1144027	0.06888118	-0.08013703	-0.0673116	-0.03532931	-0.125487	0.125487
TEDC1	-0.0163753	0.1237853	0.00567167	-0.01267838	-0.00832643	0.07801904	-0.1974079	0.1974079
SERINC1	-0.04361875	-0.04540791	0.2211728	0.1549112	0.04346287	0.07147876	0.1991421	-0.1991421
HIC1	0.02914892	-0.1347031	0.1326175	0.04346628	0.00094077	0.07187818	0.5598191	-0.5598191
CACNB3	0.08830611	0.00573984	0.02100496	0.04635374	0.09240911	0.07443698	0.1266727	-0.1266727
CLIC2	-0.02402219	-0.1089736	0.2015148	0.1244244	0.01108845	0.0311582	0.3978093	-0.3978093
PIK3C2A	0.01437641	0.01342155	0.2043233	0.0922488	0.00200711	0.1412507	-0.06583498	0.06583498

CRACR2B	0.07748367	0.2097114	0.03110602	0.01004197	-0.06846347	0.01734918	-0.2528321	0.2528321
TIGD7	0.08322145	-0.1007068	0.05699977	-0.00685338	0.0504458	0.02554688	0.1480346	-0.1480346
LPAR5	-0.0716435	0.05037415	0.01402211	-0.06366861	-0.00260587	-0.00507899	-0.1289088	0.1289088
LRRC2	0.07917274	-0.1659863	0.00766766	-0.079461	-0.03961061	-0.06458385	0.1203152	-0.1203152
ELFN2	0.06598369	0.00610114	-0.01818569	-0.04069964	0.05544933	0.00180277	-0.01767828	0.01767828
HNRNP1	0.01977978	0.1018417	0.06288836	0.1173908	0.03875939	0.1258369	-0.1173829	0.1173829
NTN1	-0.00899336	-0.1628745	0.1207656	0.05069238	-0.01083899	0.03963616	0.3318813	-0.3318813
DGKG	0.02395498	-0.1070661	0.02151665	0.02970586	-0.01288583	0.00524793	0.1934807	-0.1934807
VPS41	0.1284275	-0.02203564	0.1625592	0.09192024	-0.02383742	0.06511754	0.03938394	-0.03938394
PRAC2	0.00241436	0.1193998	-0.08020353	0.04471776	0.01078667	0.01648765	-0.0326906	0.0326906
ZNF614	-0.04967366	0.01794796	0.08322746	0.07060493	-0.01183119	0.05479188	-0.04438962	0.04438962
ALDOB	0.09400296	-0.01178289	-0.02838763	-0.06389463	-0.02378721	-0.02564672	-0.102409	0.102409
MON1B	0.03490639	0.05398905	0.1311949	0.0565866	0.07220604	0.1133332	-0.1254956	0.1254956
MNDA	0.04805914	0.04063597	0.1968022	0.05637393	-0.01614481	-0.05217967	0.199304	-0.199304
NLRP6	0.00780335	0.07389497	-0.0169667	-0.09248098	-0.00615441	-0.0575846	-0.1426972	0.1426972
CDK20	-0.07618818	-0.06648402	-0.02832406	-0.06277772	0.02779777	0.00567823	0.05134809	-0.05134809
ARHGAP29	0.0259509	-0.06646558	0.1606043	0.144243	0.0670635	0.124573	0.1770776	-0.1770776
NPHP3	0.00852966	0.01753701	0.1088873	0.1645956	0.01175746	0.05878083	0.1546281	-0.1546281
SLC19A1	0.04691577	0.07236739	0.02197405	-0.04706375	0.03797556	-0.00743661	-0.1703912	0.1703912
SPTY2D1	-0.02554681	0.06494259	0.1816209	0.02514871	-0.00094474	0.1075477	-0.1349011	0.1349011
SUGT1	0.00896028	-0.00796065	0.08414761	-0.02175569	-0.04803424	0.06691758	-0.09750313	0.09750313
EIF2B1	-0.05205797	-0.07952623	0.1090361	0.06868315	0.05504847	0.1179954	-0.01352689	0.01352689
SNX27	0.03217617	-0.02367048	0.1486654	0.01790781	0.05891942	0.0353722	0.01931874	-0.01931874
SPATA6	0.08356077	-0.00113583	0.0279598	0.02281998	-0.04008352	-0.05074949	-0.02677898	0.02677898
FCRLA	-0.0713033	-0.03807413	0.00419315	0.0072061	-0.00744729	0.03665057	0.012466	-0.012466
CRYBG1	-0.0808456	-0.08311524	0.05988236	-0.06048004	-0.01825508	0.03282772	-0.08147632	0.08147632
CD68	-0.04265277	-0.00353012	0.07582373	0.04255636	-0.056049	-0.00018964	0.1929018	-0.1929018
YPEL5	-0.00269678	-0.09293052	0.1388647	0.06124616	-0.03921917	-0.01597331	0.2614302	-0.2614302
UBXN2B	-0.02295307	0.02882823	0.1313919	0.0197437	-0.04581152	0.02813533	-0.08519745	0.08519745
HIST1H4F	-0.00794156	-0.192126	-0.1036765	-0.05450372	-0.03162404	-0.05914399	0.08004989	-0.08004989
PTGES	0.09203124	0.05206021	-0.04082193	-0.04371886	0.0320959	-0.00146049	0.1170956	-0.1170956
ANAPC15	-0.05711641	0.07806998	-0.03247919	0.00526689	-0.04652879	-0.00930352	-0.01958909	0.01958909
MKI67	-0.03212462	0.05530693	0.03505711	-0.02227488	-0.04588596	0.0718241	-0.2496584	0.2496584
SLC25A32	-0.01649117	0.1381405	0.0866842	0.0502159	0.03333431	0.05959027	-0.1427013	0.1427013
CCDC127	-0.02235105	0.06077331	0.01923036	-0.05043259	0.01515483	-0.05144089	0.1498929	-0.1498929
HS6ST1	0.04742708	-0.05687765	0.01963999	0.0007617	-0.04267033	0.02398771	0.01785974	-0.01785974
RECQL5	0.116604	0.02499696	-0.05732104	0.02354925	0.09762183	0.03805453	-0.1482936	0.1482936
NKG7	-0.01585918	-0.0106479	0.1479461	-0.04171919	-0.04585836	0.05430577	0.1168692	-0.1168692
CTSD	0.07715514	-0.01276894	0.03185066	0.01570819	-0.03701711	0.07118009	0.1154269	-0.1154269
GLIPR1L1	0.03500822	0.05512104	0.05377403	0.09348297	-0.02150048	0.04087814	0.03832195	-0.03832195
CCND1	0.098247	0.02218979	0.04711479	-0.08059796	-0.01517138	0.00679719	-0.05589226	0.05589226
FAM131B	0.00327663	0.03135326	0.01430785	-0.01835436	0.06153763	0.02501637	0.01708228	-0.01708228
FOXC2	-0.1010035	-0.06291893	-0.01515858	0.02347832	0.08660655	0.00197111	0.2486245	-0.2486245
C18orf25	0.00854008	0.06142258	0.1097854	0.05999269	-0.01377058	0.07133966	-0.1054378	0.1054378
SH3RF1	0.02215318	0.04001133	-0.03827869	0.0528453	0.01139305	0.0475003	-0.2363854	0.2363854
HSPA6	9.88E-05	-0.0313098	-0.05641051	0.00019784	-0.0408604	0.03724423	0.03176936	-0.03176936
GPAA1	0.02476781	0.04847709	-0.1384801	-0.00183526	-0.0395747	-0.0161816	-0.06883708	0.06883708
GPR84	0.01764043	0.09528041	0.03702563	-0.01765375	-0.02702349	-0.0786109	0.1082089	-0.1082089
GALNT11	-0.0583315	0.03544244	0.08789325	-0.00752048	-0.00059485	-0.02808191	0.05809824	-0.05809824
CCR4	-0.00807709	-0.08161092	0.1279831	0.06716264	-0.01486174	0.06751439	0.2362187	-0.2362187
ACP6	-0.00384926	0.02627731	0.07897027	0.07037346	0.08436646	0.03665373	-0.09873534	0.09873534
TRIM69	0.03763795	-0.07925338	0.08614869	-0.06070807	-0.01249234	-0.01799146	0.0864843	-0.0864843
ZBED3	0.05445279	-0.00423706	0.05151431	0.1049928	0.01973741	0.03375333	-0.01190562	0.01190562
PLXNB1	0.1188677	0.03236514	-0.0045553	0.0376421	0.03452925	0.06915812	-0.08956889	0.08956889
MPHOSPH6	-0.08350262	0.1357312	0.06854817	-0.03321314	0.04047561	0.01642765	-0.2418064	0.2418064
CD276	0.06328797	-0.01287404	0.03035927	0.0089533	-0.01180992	0.06463	0.2708564	-0.2708564
CPSF7	0.05183347	0.05692099	0.06295987	0.05018795	0.04248773	0.1020847	-0.112624	0.112624
FBXL6	-0.0775271	0.2295529	-0.06633491	-0.02607861	-0.03255783	-0.01209494	-0.2646158	0.2646158
JMY	0.02036682	-0.06990445	0.1630762	0.1138808	0.00242484	0.06466205	0.2310751	-0.2310751
CPSF4	0.07235955	0.03227831	-0.01170444	0.06266259	-0.0201076	0.04139485	-0.1255024	0.1255024
ZNF217	0.06618245	0.03389303	0.08089107	0.08402232	0.00799819	0.08890005	-0.1139973	0.1139973

CRYZL1	0.04069786	-0.04693141	0.1355684	0.05658261	0.0088667	-0.00254069	0.1039623	-0.1039623
BBS1	0.09892411	-0.03884232	0.1293713	0.07155051	0.03892418	0.1111167	0.1566865	-0.1566865
STRIP2	-0.0247007	0.05286291	0.0660754	0.04974359	0.09356039	0.1485929	-0.1282487	0.1282487
UBR1	0.04569124	-0.01072716	0.2054442	0.1179918	0.05255497	0.1194826	-0.00913966	0.00913966
GSAP	0.1339357	0.01646207	0.1190259	0.06198373	0.03159087	0.0040326	0.02056341	-0.02056341
TRIM32	-0.0550714	0.0139001	0.0860433	0.01186095	-0.01024078	0.06440285	0.0798898	-0.0798898
CCDC8	-0.02235077	-0.1025595	0.03425505	-0.00854799	-0.04867309	0.01927256	0.2538641	-0.2538641
AL365205.1	0.05966407	0.0565296	-0.1486227	-0.0127198	-0.0090073	-0.00306826	-0.1322544	0.1322544
CCDC167	-0.01211739	0.07510887	-0.1392697	-0.05245944	-0.01165339	-0.06245619	-0.04001423	0.04001423
BMPER	-0.09272591	-0.1296127	0.04470675	0.01294419	-0.00449451	-0.08624344	0.3908103	-0.3908103
OXCT1	-0.1096365	-0.04356836	0.04977117	-0.03171804	-0.0072926	-0.02285899	0.05160962	-0.05160962
MSRA	-0.07694527	-0.01859988	-0.00897425	-0.0354893	-0.04753121	-0.05289121	0.06108336	-0.06108336
RHOQ	0.00585958	-0.0318748	0.1680801	0.0684456	-0.01464754	-0.06704134	0.4506126	-0.4506126
SLFN13	0.06248754	0.1049919	-0.07461576	-0.03797252	0.1193196	0.07065307	-0.07520528	0.07520528
ARHGEF15	0.02627647	-0.04674552	0.1224447	0.05768595	0.04278912	0.06641538	0.4167805	-0.4167805
DMWD	0.0298387	-0.084687	0.00330443	0.05231381	0.00964715	0.06147202	0.2781602	-0.2781602
CELSR1	0.06378538	0.01188359	-0.04435517	0.05009103	-0.002968	0.0754459	0.02542709	-0.02542709
ANAPC5	0.01159322	0.01552288	0.06821811	0.04073478	0.00898031	0.05922673	-0.1447845	0.1447845
DRG1	-0.09611694	0.06435324	0.01396857	-0.08023107	0.00190704	-0.00930778	-0.1528892	0.1528892
ABRAXAS1	0.0224415	-0.04464454	0.1011035	0.1039862	-0.00244649	0.02630044	0.08739063	-0.08739063
CFAP20	-0.00548135	0.09910576	-0.02823174	-0.09205184	0.01395994	-0.06177163	-0.06327807	0.06327807
ATG4D	0.004547	0.06333812	-0.1294643	-0.1269822	-0.0302145	-0.04736851	-0.2058697	0.2058697
SPDYE3	0.09636496	-0.06744656	0.02601462	0.0231446	-0.02518187	-0.04182562	-0.02298022	0.02298022
SAYSD1	0.07734632	0.03901531	-0.05543325	-0.00874538	0.00100125	-0.07889775	-0.1149935	0.1149935
ABLIM3	-0.00835388	-0.08454069	0.01133258	0.01296763	0.01486456	0.04855056	0.2420568	-0.2420568
NUB1	-0.04622297	0.1293715	0.1843126	0.01661893	0.02675422	0.07889494	-0.0712292	0.0712292
ZSCAN25	0.1034236	-0.00408352	0.03260347	0.02890988	0.00149817	0.00706639	-0.00603221	0.00603221
BAX	0.05112181	-0.00514927	0.01541587	0.00265871	0.04060411	0.04786015	0.03006479	-0.03006479
MSR1	0.01410185	0.0035147	0.2720125	0.0921308	0.03826761	0.01856703	0.266445	-0.266445
WNK1	-0.07520736	-0.08118263	0.03690041	0.04917615	-0.02482403	0.06734545	0.09678048	-0.09678048
RNF224	-0.00474427	0.03569997	-0.00361964	-0.0600998	-0.05551141	-0.00934772	-0.08056088	0.08056088
MEAK7	0.0082811	0.0358587	-0.02143466	0.03233405	0.06857771	0.0344787	-0.07343638	0.07343638
POLR1B	-0.05167201	0.08539025	0.1075037	0.03964376	0.01455062	0.08896262	-0.2480369	0.2480369
SLC35E2B	0.06746421	-0.04070565	0.06653518	0.08257472	0.0535867	0.1102402	0.02653843	-0.02653843
ZFP2	-0.08010433	-0.03105253	0.1210796	-0.00249144	0.03699725	-0.03761184	0.1425322	-0.1425322
DNAJC15	-0.04113244	0.09360337	-0.0405692	-0.1297648	-0.00830858	-0.04894702	-0.06893295	0.06893295
LAIR2	-0.06978469	0.07858392	-0.07130184	-0.1371715	-0.0481386	-0.07814949	-0.08074976	0.08074976
PPP1R3C	-0.0285564	-0.1706662	-0.00316906	-0.00912242	0.01418525	-0.03856792	0.2500172	-0.2500172
SLC27A1	0.06844574	-0.06685889	0.03846029	-0.01276498	0.05438874	0.0053371	0.1389243	-0.1389243
TM7SF3	-0.01077892	0.03099177	0.1012062	0.107376	0.04831554	0.04083739	-0.09356247	0.09356247
CEACAM7	0.042631	0.0830898	-0.00387718	0.125326	0.04453488	0.08241941	-0.1038607	0.1038607
GSS	0.05282244	0.1368936	-0.1123703	-0.1074826	-0.04350416	-0.1136163	-0.2306227	0.2306227
DOK3	-0.06989885	-0.01154889	0.04109062	0.02525509	-0.00605369	0.05206819	0.05284272	-0.05284272
SMIM27	-0.09715864	-0.02333443	-0.00375224	-0.04997031	-0.04485035	-0.01542347	0.1731624	-0.1731624
COMMD3	-0.05143777	0.03449972	0.03680749	0.06390195	-0.04335193	0.01712049	-0.09378481	0.09378481
HLA-DPA1	-0.0118459	-0.03523468	0.1100477	0.04953956	0.00401856	0.05641417	0.1111436	-0.1111436
FNBP4	0.07742732	0.1277852	0.1148861	0.09562162	0.03185916	0.1456303	-0.1067819	0.1067819
GPX8	-0.00135971	-0.02563438	0.1727253	0.1577102	0.0077404	0.07969257	0.4040534	-0.4040534
STX3	0.05888322	0.06219613	0.00742461	0.01943525	-0.04609495	0.03191776	-0.2763377	0.2763377
CFAP44	0.1067517	0.1234388	-0.00466418	0.03556505	0.06007071	0.08143119	-0.1690072	0.1690072
GAPVD1	-0.00909528	0.03228665	0.1192947	0.02321211	0.01070042	0.1268317	-0.08592452	0.08592452
TRAM1L1	0.04549283	-0.1421551	0.0265689	0.01796588	0.07159417	0.01300637	0.346845	-0.346845
MDM4	0.02427421	-0.04079128	0.1656397	0.136608	0.02554806	0.1210254	0.00238744	-0.00238744
ZNF442	0.04182239	-0.08230153	0.1141609	-0.02556201	0.03012725	-0.02188859	0.143231	-0.143231
MAP2	-0.03777158	-0.0308818	0.02668847	-0.01317031	-0.02745693	-0.06041059	0.2253152	-0.2253152
HOXA7	-0.00142015	0.06815739	-0.05905279	0.001608	0.042551	-0.03378303	-0.01978598	0.01978598
ZNF8	0.05499078	-0.02042722	0.133102	0.1235673	0.0511519	0.1082669	0.1396948	-0.1396948
SRPX2	0.06259656	-0.08164431	0.1094031	0.03993533	0.02481588	0.05025178	0.5021394	-0.5021394
CDC25C	-0.01818297	0.06179559	-0.0489972	0.0191895	-0.0423727	0.0282252	-0.2578622	0.2578622
STK32B	0.02125881	-0.04167098	0.02823679	-0.01563807	0.1133824	-0.01407705	0.2073176	-0.2073176
TRAP1	-0.07343771	0.04069142	0.03747014	-0.04117962	0.04286152	0.02783218	-0.1899307	0.1899307

SPATA17	0.01553696	-0.02131968	-0.04203932	-0.07667493	0.04337187	-0.01330666	-0.09684937	0.09684937
NPY	-0.1209115	-0.06532044	0.00756609	-0.0112909	-0.04501742	0.04997759	0.07935764	-0.07935764
FCGR1A	-0.00515212	0.02123009	0.2248488	0.1169582	-0.00799179	0.02011348	0.2911666	-0.2911666
ZNF84	0.00828242	-0.04022732	0.1000126	0.01773212	-0.00070872	0.05831066	0.07912146	-0.07912146
BCKDHA	-0.04057969	-0.03429852	-0.0621738	-0.1056736	0.03445391	-0.04473856	0.07481197	-0.07481197
COBL	0.04612085	0.0411044	0.09832455	0.04080482	0.03584807	0.08111547	-0.1119785	0.1119785
MCRS1	0.01403138	0.03414576	-0.02497664	0.0046122	-0.00937473	0.07920252	-0.1381213	0.1381213
NTN4	0.0974281	-0.07248985	0.05072303	0.05458286	0.00650577	0.01886465	0.2454111	-0.2454111
PADI2	-0.03926727	-0.02163177	0.06135468	0.02132795	0.03779817	0.02566231	-0.01368087	0.01368087
ST3GAL5	0.02296647	-0.07236621	0.1495313	0.09385068	0.02943904	0.06371957	0.2479767	-0.2479767
SAMD15	0.02186287	-0.05777513	0.01553154	0.02192628	0.0193944	0.06708703	0.04581915	-0.04581915
MOSPD3	0.08939669	0.07877154	-0.1127278	-0.02038336	-0.04903739	-0.08095322	0.02672752	-0.02672752
KLHL6	-0.06138652	0.00494517	0.1318284	0.1399533	0.04214112	0.1029421	0.06846922	-0.06846922
BASP1	-0.05601779	-0.07897207	0.05704355	0.1212103	-0.04797367	0.1023331	0.2904813	-0.2904813
MAD2L1	-0.07403349	0.06986507	0.05607308	0.02351956	-0.04802717	0.07637206	-0.3300598	0.3300598
BCR	0.01177513	-0.01145253	0.04013465	-0.00619945	0.03800419	0.06711489	-0.06992357	0.06992357
XYLB	-0.04991946	0.05919497	0.02052009	-0.02060955	-0.01380984	0.01410568	-0.2317897	0.2317897
TFAP2A	-0.06824541	0.10078	-0.00491787	-0.05069574	0.03592854	-0.06594486	-0.07779006	0.07779006
CALR	0.0388203	0.1563911	-0.01218552	0.00078664	0.02438108	-0.04098275	-0.115106	0.115106
AFF4	0.03092634	-0.02196414	0.1079362	0.1133359	0.01413348	0.09645163	0.042337	-0.042337
ZNF10	-0.01534213	-0.02256867	0.02173369	0.01535065	-0.01447682	-0.04129344	0.1023327	-0.1023327
GAPDH	-0.08692685	0.101112	-0.03707229	-0.06909818	0.01359939	0.02341217	-0.1241858	0.1241858
OAZ2	0.06376949	-0.05161529	0.00445288	-0.04618479	-0.02490096	-0.0709943	0.2222345	-0.2222345
NME1	-0.07433604	0.0801643	-0.07836245	-0.03078979	0.01562384	0.00440543	-0.1600272	0.1600272
GPBP1L1	0.05926362	0.08613845	0.1040545	0.06806183	0.00969346	0.0544802	-0.2345782	0.2345782
ESPL1	0.00267676	0.03197683	-0.05852192	-0.01232393	-0.00945325	0.0264914	-0.2652665	0.2652665
KATNAL2	0.0729674	0.02105312	0.04919145	0.07400993	-0.01435576	0.04396291	-0.03226311	0.03226311
IK	0.00745431	0.00484877	0.144236	0.08613372	0.00574425	0.1321704	0.05406782	-0.05406782
CPEB2	0.00475883	-0.05394561	0.08964537	0.00781831	-0.021053	0.01431172	0.06086683	-0.06086683
PRKAB1	0.05571345	-0.01763547	0.02207193	0.07009946	0.0685775	0.06447216	-0.04140566	0.04140566
C12orf57	-0.1256912	-0.06890244	-0.02484861	-0.04933068	-0.02827577	-0.02428069	0.2433629	-0.2433629
ZBTB11	-0.01168129	0.04275694	0.1894464	0.08410941	-0.02470648	0.176386	-0.1210296	0.1210296
ARIH2OS	0.02118695	-0.04585764	9.52E-06	-0.1060713	0.02208396	-0.07313452	0.05208324	-0.05208324
CAPNS1	-0.02424133	0.06176036	-0.1272476	-0.09326807	-0.02036102	-0.06657394	-0.01648299	0.01648299
ITFG2	-0.0253904	0.05461443	0.01746445	0.0501823	-0.02970637	0.0378951	0.0724811	-0.0724811
SLC35B3	0.02491038	0.06751103	0.04386663	0.0681865	0.00216331	0.02380361	-0.2374195	0.2374195
MT2A	-0.0134807	-0.00977696	-0.09547272	-0.02853297	-0.04407969	-0.07046674	0.1047614	-0.1047614
FIGN	0.04550744	-0.1334166	0.06842039	0.05879145	-0.02837264	0.02945437	0.1103907	-0.1103907
GET4	0.09936393	0.03456226	-0.03779244	-0.03557996	-0.01382435	0.00091474	-0.07535724	0.07535724
DDX46	0.06106179	0.06678577	0.1277199	0.1078915	-0.00522401	0.1112378	-0.1221691	0.1221691
CAPN6	0.06959254	-0.09482754	0.01021837	-0.08441536	0.0582437	-0.1045271	0.07075642	-0.07075642
RABGAP1	0.05670041	-0.00577627	0.1364592	0.02693803	0.01493291	0.03887481	0.1561415	-0.1561415
MED14	-0.1633929	0.08424199	0.08235018	0.03211567	-0.01417898	0.1072246	-0.2144085	0.2144085
ENTR1	-0.01330334	0.03757471	0.05771682	0.00598629	-0.01535821	0.09924017	-0.1763329	0.1763329
ST5	0.0654291	-0.1070438	-0.02865909	-0.03180156	0.00128525	-0.04206776	0.261243	-0.261243
KREMEN2	-0.07695114	0.08446975	-0.00756677	-0.07535721	0.0019544	-0.03110636	0.05305809	-0.05305809
E2F6	0.03208663	0.02784587	0.08683222	0.03495848	0.02093638	0.05036584	-0.1226764	0.1226764
PEX1	-0.03534451	0.04928033	0.02864254	0.02499259	-0.0381226	0.07086858	-0.04851735	0.04851735
PPAT	-0.08980144	0.09502182	0.07468599	0.00904822	0.01654235	0.07178542	-0.2708278	0.2708278
NAALADL1	-0.0175248	0.01630368	-0.07294333	-0.00027285	0.00928398	-0.01075895	0.09375206	-0.09375206
TMPRSS5	0.1044496	-0.02770415	-0.09089936	-0.06010503	-0.057418	-0.04816286	-0.01731478	0.01731478
ARL6IP5	-0.01245705	-0.08549374	0.1379457	0.04629782	0.00384857	-0.0071424	0.2455616	-0.2455616
PLD1	0.06424633	0.00349504	-0.0627635	0.1112122	0.04620362	0.0378488	-0.08351703	0.08351703
PACRG	-0.0900645	-0.04146552	-0.03339624	0.00359408	-0.0605561	-0.01596781	0.1003604	-0.1003604
IER5L	-0.01195043	0.02204778	0.05910219	-0.1386019	0.0254318	0.00508892	0.1686343	-0.1686343
SLC16A2	0.02454916	0.00476931	-0.0589925	0.01146698	-0.00429861	-0.1147509	0.1437359	-0.1437359
SYDE2	-0.01799827	-0.1310427	0.09767506	0.01587699	-0.00112242	-0.02152336	0.1825729	-0.1825729
TRPA1	0.07667615	0.04582079	-0.0941242	0.04840926	-0.05286679	-0.00795898	-0.0794212	0.0794212
C11orf42	0.07450509	0.03995501	0.117514	0.082078	0.01589192	0.1434196	-0.1027175	0.1027175
RASL11B	-0.05129154	-0.04590849	-0.04501537	-0.1178645	-0.06973654	-0.08742457	0.1560713	-0.1560713
HELLS	0.02695457	0.02054944	0.102391	-0.01336048	-0.00763098	0.07675829	-0.249989	0.249989

F13A1	-0.04213424	-0.05599797	0.08103944	0.08497305	-0.02364168	-0.0798553	0.2186206	-0.2186206
OSGIN1	0.06046501	0.00141942	-0.1430649	0.0219586	0.00432745	0.01419911	-0.1165587	0.1165587
HIST1H4I	-0.05115273	-0.01808483	-0.08618251	-0.02605219	-0.03183404	-0.03427965	-0.09821039	0.09821039
TMEM59L	-0.04345129	-0.1238003	0.03920631	-0.00924833	0.03519484	0.03941926	0.283378	-0.283378
HIST1H4H	-0.02415922	-0.0446338	-0.06464013	3.67E-05	-0.02934067	-0.00318676	-0.0808112	0.0808112
PM20D2	-0.04033684	0.04504816	0.1445127	0.03329079	0.04753887	0.05890874	-0.1589171	0.1589171
MED4	0.05581843	0.0743342	0.1124501	-0.00687515	0.00209133	0.06216785	-0.1023072	0.1023072
CDKN1B	-0.00379674	0.00906452	0.135953	0.01679104	0.02548128	0.07272623	0.03047132	-0.03047132
KCTD21	-0.01322356	0.03792154	0.04698499	0.03082905	-0.04629861	0.07003973	0.04131914	-0.04131914
CCDC71L	0.00664941	-0.03896295	0.1012812	0.02832631	0.04551182	0.03635015	0.3419845	-0.3419845
POGZ	0.02180339	-0.00631105	0.08708342	0.0599257	0.01066622	0.07102859	-0.01452063	0.01452063
YWHAQ	0.01286034	0.00423676	0.02567302	0.03896813	0.08307908	0.01678204	-0.02937738	0.02937738
FCGBP	0.08192173	0.01104063	-0.09834866	-0.01328137	-0.04382705	-0.05963401	-0.07791273	0.07791273
ZP3	-0.03755506	0.07400472	-0.1008084	-0.08926538	0.0347858	-0.06877344	-0.0233962	0.0233962
SCARF2	0.01476925	-0.05445374	0.08066352	-0.00738821	0.00079175	0.01882884	0.5909314	-0.5909314
ZNF136	-0.01325213	0.00781402	0.1526876	0.02755434	0.01982058	0.04071371	0.03524003	-0.03524003
ZNF526	-0.00672827	-0.03092124	-0.0010523	0.05151462	0.05434359	0.07261942	0.01245623	-0.01245623
KIT	0.0298605	-0.1116773	0.1020621	0.1063334	0.02375427	0.0616152	0.2334921	-0.2334921
TMEM9	0.05427244	0.02835636	-0.1041563	-0.04219746	0.01955119	-0.06981305	-0.07463917	0.07463917
CCNT2	0.07420446	0.1001993	0.1156382	0.1432405	0.0190724	0.1220321	-0.1927489	0.1927489
REV1	0.07793532	0.02895212	0.1210357	0.088345	0.01016271	0.09952689	-0.02954551	0.02954551
ERN1	0.1031153	0.07976113	0.0646116	0.03526156	0.0747759	0.04030112	-0.04081742	0.04081742
KCNG2	0.02163859	-0.00415458	0.00864122	0.01385576	-0.01304712	-0.06840961	0.2501474	-0.2501474
TNFRSF11B	-0.02477827	0.04384126	-0.05861797	-0.02679451	0.00963054	0.00866639	-0.05028809	0.05028809
FABP6	-0.03600334	-0.0759688	-0.03244537	-0.00598914	-0.02598784	-0.03223466	-0.01994362	0.01994362
GPX7	-0.00701899	-0.07132888	0.00354465	-0.0352135	-0.02664745	-0.04278286	0.2710717	-0.2710717
HNRNPF	-0.0511226	0.08116082	0.09970514	-0.0443374	-0.00855914	0.05730732	-0.2362611	0.2362611
CCDC6	0.07599162	0.07215105	0.1100093	0.02201326	0.04253786	0.08595707	-0.1319537	0.1319537
GOLGA4	-0.02529106	0.08361212	0.1352463	0.04410255	-0.07385351	0.08995088	-0.2179268	0.2179268
SLC25A34	0.09400634	-0.08418268	-0.02878854	0.07319278	-0.01404736	-0.00747537	-0.101231	0.101231
ATP6V1G1	-0.03468232	0.07640001	-0.02353152	-0.1198532	-0.03618865	-0.1137762	-0.05825576	0.05825576
MRPL35	-0.077107	0.08341864	0.09653682	0.06900942	-0.03550627	0.07434985	-0.3182292	0.3182292
RIBC1	-0.07401749	0.01664413	-0.06543224	-0.06786341	-0.0289206	-0.06007259	-0.00223708	0.00223708
CTPS2	-0.1016041	0.06329501	0.09099646	-0.06331303	-0.00402158	0.02704386	-0.1446455	0.1446455
FAHD1	-0.08022923	-0.03365363	0.01516561	-0.01120419	0.09276051	-0.02113393	-0.07515792	0.07515792
UROD	-0.02100524	-0.06873341	0.01663656	0.01710939	0.02456129	0.01488861	0.2200652	-0.2200652
CORO2B	-0.08386212	-0.08672757	0.03240503	0.01101892	-0.01091656	0.02066613	0.135219	-0.135219
SEMA3E	0.0325063	-0.09329586	-0.0176356	0.09675635	-0.01197975	0.00014231	0.1036719	-0.1036719
NPEPPS	-0.00908232	0.03737215	0.03678355	0.0487148	0.064647	0.05314244	-0.1349923	0.1349923
ZDHHC1	0.1132932	0.05922477	0.01503024	-0.06158362	0.04431605	-0.01546402	0.1255091	-0.1255091
AKAP10	0.01864561	0.01549893	0.1627753	0.07467727	-0.00267634	0.07454115	0.08665479	-0.08665479
AGAP2	-0.06197097	0.05894418	0.1262213	0.05573598	0.00227082	0.1080336	0.1026611	-0.1026611
KCNC3	-0.1134146	0.00149253	-0.00832348	-0.03288417	-0.03649771	0.05194705	0.0534337	-0.0534337
CCDC174	-0.05260726	0.06262611	0.03763991	0.00662472	0.0312128	0.00681297	-0.0093298	0.0093298
CAPZA2	-0.09232682	-0.05579244	0.07003675	0.1224088	0.05215541	0.1259298	-0.07248113	0.07248113
BFSP1	0.0737886	-0.1566753	-0.05477203	-0.07256777	-0.00333625	-0.05544705	0.03554564	-0.03554564
ANKRD9	0.08376482	0.08902427	-0.08536121	-0.05509141	-0.00607969	-0.01394172	-0.1598548	0.1598548
COL15A1	0.02685573	-0.07570567	0.1295768	0.04690032	0.02035603	0.02516817	0.4639038	-0.4639038
EPM2A	-0.03146417	-0.180657	0.08998139	0.03794945	0.01032211	-0.02400331	0.3224004	-0.3224004
HSPA9	-0.07032156	0.07061324	0.1168261	0.0556079	-0.01850817	0.1205066	-0.2790621	0.2790621
DONSON	0.03541771	0.07788107	0.02831551	-0.02273619	0.02055781	0.04158753	-0.2739259	0.2739259
RECK	-0.02730095	-0.1604501	0.190789	0.1384731	0.01618159	0.02626376	0.5397796	-0.5397796
AVPR1A	0.03196812	-0.02914003	0.2133906	0.1033472	0.07323343	0.0661054	0.3079528	-0.3079528
SELENOS	-0.01343931	0.1323391	-0.02016826	0.01576709	-0.03569675	0.07513517	-0.1184335	0.1184335
GLO1	-0.00336975	0.0745842	-0.01388116	-0.06209073	-0.01123461	-0.00954882	-0.2060256	0.2060256
GRIN2D	-0.06479906	0.1440514	-0.01760054	-0.0277532	0.01246611	0.00471254	-0.1403543	0.1403543
TSKU	0.02689992	-0.03509282	-0.06004094	0.0154928	-0.07725037	0.05906197	0.04759342	-0.04759342
ITGAE	-0.00951016	0.1317664	0.1481462	0.0061402	0.0253315	0.08540841	-0.03517429	0.03517429
SHE	-0.0208332	-0.155024	0.1887274	0.06916432	0.04167954	0.0604769	0.4066481	-0.4066481
MRPL39	-0.1166345	0.07037915	0.01562397	-0.02296235	0.01639227	-0.00598308	-0.1745592	0.1745592
DTX3	-0.0245781	-0.1772906	0.03725795	0.05141476	-0.00930568	0.04076618	0.3791785	-0.3791785

TMEM186	-0.00472337	0.07005077	0.02757088	0.02116085	0.10466	0.00809375	-0.1125427	0.1125427
SFMBT2	0.00974333	0.02703931	0.2480237	0.1131598	0.04819844	0.1464723	0.2703623	-0.2703623
PCDHB4	-0.03480328	-0.150069	0.1404842	0.06032543	0.02876455	0.03728402	0.4480776	-0.4480776
TM4SF19	0.04168283	0.01786729	-0.03267966	0.01035322	0.03530651	0.00058631	-0.03945307	0.03945307
ZNF846	0.04897569	-0.08564817	0.08504122	0.03448499	0.02745546	-0.00578351	0.1567294	-0.1567294
PF4V1	0.1261248	0.07326246	-0.02760933	0.03390095	-0.0447447	0.03332385	0.01208052	-0.01208052
SOD1	-0.05839705	0.1134767	-0.08155386	-0.04187216	0.06776481	-0.04852665	-0.2113238	0.2113238
AKAP6	-0.02811224	-0.160374	0.09336375	0.02055714	0.00308765	-0.03555935	0.3297638	-0.3297638
ZCCHC10	0.01586324	0.01492026	0.07968988	0.05611768	-0.04095222	0.08335935	-0.04438514	0.04438514
KRT10	-0.03078631	0.04480914	-0.0562466	-0.03131812	0.00612356	-0.01187897	-0.05036889	0.05036889
MANF	-0.0835358	0.1142678	-0.00375695	0.07464609	-0.00942707	0.04150815	-0.1976717	0.1976717
SPP1	0.04128109	0.05710293	0.03385404	0.04424325	0.02472365	-0.09826062	0.08289815	-0.08289815
SCG5	0.08029476	-0.1026619	-0.02361408	0.0847893	-0.00561574	0.02394865	0.1806712	-0.1806712
MYEF2	-0.03648016	-0.06359876	0.02660101	0.00873695	-0.04038818	-0.0066935	0.1408902	-0.1408902
RDH10	0.06715171	0.00252891	0.03731193	0.00877401	-0.02916444	-0.00284894	-0.07751979	0.07751979
AGO3	0.03474367	-0.06020355	0.1302799	0.1147501	0.01067369	0.09876578	0.135152	-0.135152
SCGN	0.03005898	-0.06529521	-0.06004252	0.08010661	-0.01906976	0.03010927	0.05166214	-0.05166214
XPOT	0.05555091	0.04965471	0.1020886	0.06323018	-0.03338239	0.1186424	-0.02433099	0.02433099
SRSF11	0.09580552	0.1264769	0.06530284	0.09758542	-0.00481944	0.08982582	-0.1738775	0.1738775
HNRNP3	-0.04611705	0.02624039	0.1124679	0.06505437	0.03611929	0.08642745	-0.06355587	0.06355587
TTC9C	-0.07314134	0.04871736	0.04047143	-0.08528428	0.07939267	0.03820263	-0.1004348	0.1004348
DAPP1	-0.01471542	0.0371393	-0.0236007	0.01538851	0.0264586	0.02068744	-0.04445893	0.04445893
RRP36	0.02216896	0.1618309	-0.1199805	-0.07804947	-0.00501136	-0.06091258	-0.1249374	0.1249374
UGT8	0.04515377	-0.00361701	0.00265523	0.02295645	0.07440061	0.07432113	-0.2508344	0.2508344
TPSG1	-0.03781747	0.00940332	0.00581149	-0.05997013	-0.03980139	-0.02101752	0.08087637	-0.08087637
PCSK1	-0.00678539	-0.04307606	-0.05976462	0.07831519	-0.03554568	0.02456877	0.09050007	-0.09050007
PROSER1	0.06784796	0.08875571	0.1012738	0.07009513	0.03432971	0.1680582	-0.216594	0.216594
VPS18	0.0326079	-0.03714951	0.06170859	0.01051136	0.01383271	0.05461382	0.09472905	-0.09472905
CAMK1	-0.0870135	-0.06159728	0.02526976	-0.01589742	-0.01840156	0.0140949	0.06883471	-0.06883471
STK25	-0.01346293	0.05400184	-0.02949734	-0.02956291	0.03448313	0.01297895	-0.07587642	0.07587642
RDH13	0.02140478	0.04704247	-0.00877067	-0.0278014	-0.00301856	0.03714131	-0.1576843	0.1576843
WDYHV1	0.01057171	0.06176464	0.01462766	0.04776299	0.07409981	0.05223334	0.03269933	-0.03269933
NUDT2	-0.06828611	0.06804514	-0.04835654	-0.09006862	-0.00382887	0.01773504	-0.07695606	0.07695606
MAP4K1	-0.08036989	-0.01430597	0.04756221	0.01084958	-0.00751758	0.05623381	0.01723789	-0.01723789
TPR	0.0238144	0.03756893	0.1778536	0.09748631	0.04711356	0.1531788	-0.1431732	0.1431732
GYS1	-0.1030293	0.01616765	0.036416	0.01739537	0.03862459	0.03408768	-0.1149242	0.1149242
GFI1	-0.01591706	0.0682095	0.1513338	0.00475421	0.00564458	0.05227868	0.07258576	-0.07258576
PTGER2	0.05756423	-0.1085808	-0.03026771	-0.02889778	0.03209402	-0.05701289	-0.02174954	0.02174954
MCF2L	0.1241698	0.09664373	0.05411686	-0.00992717	-0.04371919	0.06768465	-0.05594054	0.05594054
EIF4E2	0.03988097	0.06894601	0.00641824	0.04420043	-0.04671469	0.01173805	-0.1489687	0.1489687
RANBP17	0.00648178	0.04843843	0.110093	0.00672512	0.05052187	0.1254793	-0.00811724	0.00811724
CPLX1	-0.105152	0.08536875	0.0116243	-0.04992431	-0.04831992	0.02644285	-0.09833793	0.09833793
VEPH1	0.09487855	-0.0529585	0.03150044	0.0054019	-0.00631338	-0.02837754	0.07530438	-0.07530438
PRXL2B	-0.0820775	0.1085948	0.02091404	-0.00911899	0.07416893	0.03674039	-0.1811765	0.1811765
CHSY1	0.08126413	-0.00416881	0.1213059	0.06769866	0.02132302	0.07346621	0.2047752	-0.2047752
SEMA6D	-0.05354195	0.08616567	0.03475166	-0.0117607	0.06260962	-0.03594851	0.07189047	-0.07189047
FIGNL1	0.04810182	0.03471923	0.1137334	0.00032059	0.04782248	0.1024314	-0.3072812	0.3072812
CD2	-0.08181713	0.01496503	0.1761113	0.02798878	-0.01033811	0.0696546	0.1307454	-0.1307454
HECW2	0.08919046	0.1135901	0.067642	0.05142223	0.02570363	0.0576072	0.1546405	-0.1546405
BBS4	0.09630986	0.01381946	0.03547165	-0.00481634	-0.00720718	-0.03043368	0.07176884	-0.07176884
NT5C	-0.01022436	0.0992834	-0.09442268	-0.03610741	0.06093681	-0.02128862	-0.1027643	0.1027643
KCNQ4	-0.08353522	-0.0206638	0.1457572	0.03543488	0.02287938	0.05749672	0.1847759	-0.1847759
ST8SIA4	-0.01557229	0.01667774	0.2245013	0.1101057	0.04377455	0.09596438	0.2011171	-0.2011171
MKRN2	-0.08552042	0.02032347	0.07604187	-0.01806815	-0.01923035	0.02353358	-0.00639995	0.00639995
PRMT2	0.01475205	-0.1708751	0.1280345	0.05966363	0.05075548	0.02243402	0.3818606	-0.3818606
ANKRD13D	0.04325406	0.1159965	0.1012211	0.08551044	-0.02076558	0.07174488	-0.00979394	0.00979394
MYCN	0.04677526	0.01781862	-0.00552758	0.02272149	-0.02770955	0.02980096	-0.03675972	0.03675972
POP1	-0.0479859	0.1836342	0.03405043	0.01207875	0.0520105	0.06483734	-0.2274997	0.2274997
PHLDB3	0.09352359	-0.01425436	-0.1052586	-0.03769626	0.07564875	-0.07544444	0.09173092	-0.09173092
PHKB	0.06269725	0.05696069	0.1425719	0.1466248	0.06877598	0.0488179	-0.1514707	0.1514707
FGR	0.05024123	0.06663367	0.1287857	0.00587652	-0.03177434	-0.01653803	0.212579	-0.212579

MAP3K7CL	0.06022039	0.0155469	0.1228047	0.02105853	-0.00616347	0.03066589	0.2974286	-0.2974286
MYO7A	0.01831447	0.07651304	0.1064911	0.0656032	-0.01796874	0.1021723	-0.07321603	0.07321603
VWF	0.09457048	0.02496422	0.1300185	0.08178245	0.06831638	0.08518443	0.2852683	-0.2852683
SDF2	0.04510415	0.01573002	-0.0207541	0.01121	0.09349006	-0.01914222	-0.03662491	0.03662491
RASL11A	-0.156934	-0.06883736	-0.04319445	-0.00941786	-0.04760691	-0.00701681	-0.03454911	0.03454911
UGT1A10	-0.02132218	-0.03362854	-0.07008989	0.03199575	-0.09077893	-0.04451679	-0.06850956	0.06850956
CDC7	-0.07787908	0.1082496	0.01692978	0.00343106	0.04299094	0.05719516	-0.2449406	0.2449406
SNIP1	0.00373625	0.00268257	0.1210062	0.07275311	0.03964456	0.09198738	0.0285954	-0.0285954
PDZK1	0.07499943	-0.04874262	-0.02590832	0.01007075	0.01263344	-0.03468133	-0.09138219	0.09138219
CXorf56	-0.00196865	0.01164411	0.06152353	-0.0240579	0.01475383	0.04558433	-0.07443835	0.07443835
MAP4K3	0.01981496	0.03880957	0.1361169	0.1504831	0.107932	0.1190613	-0.1791718	0.1791718
RAD51C	-0.1835433	0.0163373	-0.03359031	-0.08162121	0.02035726	-0.06742673	-0.02690342	0.02690342
USP14	-0.07546362	0.08153146	0.1211998	0.06596339	-0.04014015	0.08394691	-0.2055293	0.2055293
VSTM4	0.02067061	-0.1406798	0.1644027	0.06983824	0.00953244	0.01292713	0.544348	-0.544348
PARP8	-0.00406795	0.03004973	0.1979863	0.1223496	0.0133755	0.1134727	0.1188537	-0.1188537
PPP2R3B	-0.0118665	-0.03691257	0.00100175	-0.02373693	0.00156435	0.04567728	-0.04363882	0.04363882
TRIM52	0.07914876	0.01157426	0.1168727	0.1167128	0.05399143	0.1333959	0.02697417	-0.02697417
PALM	-0.04418038	-0.1151263	0.0095081	-0.02669082	0.02134375	-0.02108837	0.3407736	-0.3407736
EBP	0.0877515	0.1267543	-0.06081595	-0.09797164	0.01838265	-0.02965115	-0.2116736	0.2116736
HERC3	-0.03189056	0.00479769	0.131248	0.0300204	0.01709667	0.03458259	-0.05618444	0.05618444
BLM	0.00711853	0.05619528	0.01414595	0.03160885	0.1059079	0.1134341	-0.1764989	0.1764989
NOM1	-0.00590019	0.06180401	0.1986334	0.01379247	0.08556814	0.1180692	-0.163637	0.163637
EED	-0.07822234	0.05533955	0.08449696	0.05625812	-0.01410208	0.08119161	-0.1753239	0.1753239
NLRC4	0.0032355	0.02558757	0.2268655	0.0998375	0.01051734	0.02013106	0.1297421	-0.1297421
CHST12	0.03951124	-0.06924118	0.1193125	0.01900873	0.00295575	0.07410417	0.2636404	-0.2636404
HIST1H2AC	-0.05828611	-0.03835376	-0.05508315	-0.01071812	-0.0181066	-0.0004892	-0.0952657	0.0952657
MACF1	0.02014953	-0.07921242	0.1170924	0.04659702	0.05107098	0.01837702	0.3032475	-0.3032475
CDC26	-0.02145524	0.0046149	0.04980923	0.01775644	0.00734646	0.05175365	-0.06025065	0.06025065
MSANTD2	0.01686305	0.07628724	0.03922205	0.06968526	-0.03154308	0.0336603	-0.03498896	0.03498896
BTN2A1	0.04808422	0.1335464	0.145039	0.04848052	-0.00085316	0.08664416	-0.1053702	0.1053702
RABIF	-0.08882417	0.06206304	0.00802978	-0.03541086	0.0578041	0.00350407	-0.09720146	0.09720146
PSMD6	-0.05122476	0.03806455	0.1105804	0.04465814	-0.07152048	0.03691535	-0.1559343	0.1559343
ZNF236	0.02488918	0.02055386	0.08650733	0.01775062	0.05906898	0.0474498	-0.03932429	0.03932429
PLGRKT	0.02447287	0.06564663	0.1003467	-0.0497289	-0.01331027	0.01664493	-0.1362548	0.1362548
BRMS1	-0.01641229	0.06286369	0.00531644	-0.03528277	0.024958	0.08375011	-0.04904061	0.04904061
ARMCX1	-0.03903598	-0.1565134	0.1218976	0.0508027	0.03480318	-0.01357323	0.4110836	-0.4110836
TREX2	0.00105576	0.01699334	0.00106536	0.04148039	-0.01459915	0.04387416	-0.06070706	0.06070706
KRT16	-0.05052826	0.00446284	-0.02510161	-0.01043475	-0.02005018	0.04665947	-0.02929153	0.02929153
KIAA0895	-0.00666294	0.01907825	0.00994771	-0.07832223	-0.02952927	-0.04615006	-0.1771565	0.1771565
BDKRB1	0.07363788	-0.07212719	0.00489046	-0.04269941	-0.04967584	-0.0327352	0.2573271	-0.2573271
TAMM41	-0.09301631	0.03939286	0.0507905	0.0175112	-0.00923086	0.0984075	-0.1440756	0.1440756
DNAJB2	0.00641733	-0.04913554	-0.08792294	-0.02504692	-0.03373508	-0.02156657	0.02595869	-0.02595869
SYMPK	0.03897624	0.02473502	0.00536869	0.07413246	0.04193355	0.1174672	-0.04791165	0.04791165
TRIM5	0.05135188	0.0046186	0.1938004	0.08282601	0.07861032	0.1942215	0.03489757	-0.03489757
TBC1D17	0.01100877	0.00058732	-0.01101885	-0.01971764	0.01339509	-0.03126396	0.2222065	-0.2222065
IQCH	0.05746278	0.05032077	-0.07220044	-0.09031921	-0.02854953	-0.08455299	-0.07170162	0.07170162
LILRA1	0.1207667	-0.06352599	0.08217606	0.09236323	-0.00535839	0.03160231	0.2976517	-0.2976517
PDZD8	0.04551271	0.02119166	0.05092925	-0.03433567	0.03452687	0.06211179	-0.1380409	0.1380409
ITLN1	0.02117612	0.03513608	-0.1359141	-0.07053107	-0.03000975	-0.1044147	-0.03772583	0.03772583
CCNE1	-0.01329805	-0.01593487	-0.08934715	0.00074781	-0.05369131	-0.01726063	-0.01559632	0.01559632
DGKH	0.1217719	0.0480997	0.1379991	0.07240688	0.02516492	0.08690132	0.00897826	-0.00897826
CTNNBIP1	0.1437314	0.02790411	-0.1850241	-0.05614933	-0.00523559	-0.1007512	-0.1341978	0.1341978
ALS2	0.07882656	0.05933658	0.03438081	0.00927169	0.00799481	0.05723041	-0.1586558	0.1586558
ACTR8	0.01852948	0.01005032	0.1141963	0.04263805	-0.02225359	0.08547678	-0.130145	0.130145
OTX1	0.0573645	0.1082475	0.0646825	-0.05270357	0.0031282	0.03009665	-0.1980647	0.1980647
STT3A	-0.02447889	0.1098861	0.04306719	0.0429304	-0.06447444	0.04498909	-0.1823125	0.1823125
TLN2	0.01230202	0.1009397	0.04621851	0.04460804	0.04570692	-0.01412966	-0.193925	0.193925
IL17C	-0.05666169	-0.04298096	-0.04389995	-0.07666259	-0.00866697	-0.00155773	-0.0621647	0.0621647
PRKACA	-0.01709339	-0.08396974	0.01939083	-0.07190186	0.058878	-0.05627796	0.250887	-0.250887
MRPS2	-0.130666	0.04550269	0.0175301	-0.1101741	-0.0085808	0.03773404	-0.1701319	0.1701319
NUBP1	-0.06938523	0.03221652	0.03517736	-0.0229229	0.08336231	-0.01007338	0.0276383	-0.0276383

GHRL	-0.02806577	-0.1096928	-0.01028812	0.02186037	0.05667964	0.01383522	-0.02045195	0.02045195
IKZF2	0.06543355	0.00368776	-0.1007093	-0.01299527	-0.01274748	-0.02739942	-0.08670313	0.08670313
LYPLA2	0.03506231	0.00858376	-0.1801427	-0.02895095	-0.02800982	-0.03274945	-0.1384792	0.1384792
XPNPEP1	0.01431797	0.1127513	0.01197692	0.01350737	0.03833376	0.04660515	-0.2399017	0.2399017
ARMT1	-0.02233463	0.08063205	0.1509654	0.07956265	-0.00567538	0.07278005	-0.2900082	0.2900082
CHMP5	-0.06030095	0.1051744	0.06885593	-0.01905268	-0.01188718	0.08005584	-0.1853321	0.1853321
LUZP1	0.04738007	0.02985427	0.10254	0.06056328	0.04549179	0.08709619	0.0738696	-0.0738696
QRICH1	-0.04499786	0.0418744	0.02932594	0.04004477	0.02007297	0.06897543	-0.07509996	0.07509996
GLUD1	0.01580767	-0.04615735	0.08353972	0.00192708	0.00245734	0.04014404	-0.09936053	0.09936053
CD247	-0.05157699	-0.03450437	0.1582543	0.01600035	0.00766346	0.07666599	0.1684369	-0.1684369
SUN1	0.01067867	0.0487688	0.1122689	0.06747512	0.00933793	0.1110386	-0.1073102	0.1073102
CBLL1	-0.05300935	0.08946045	0.05873198	0.01026952	0.1009933	0.03072528	-0.1454895	0.1454895
C16orf87	0.03459985	-0.05242903	0.1922626	0.01127701	-0.02268051	0.08311219	0.01020626	-0.01020626
HJURP	-0.05314268	0.1367065	-0.00032024	0.01241028	-0.00693536	0.07393723	-0.2821706	0.2821706
IVD	0.01455496	0.00061737	0.1663352	0.1051081	0.00097305	0.1278598	-0.1171834	0.1171834
SMC4	-0.0378728	0.01395705	0.09384686	0.07038641	-0.0367025	0.139236	-0.2576291	0.2576291
RPL12	-0.07167222	0.05793771	0.01497751	-0.00935328	-0.08159181	0.03524441	-0.04543984	0.04543984
HNRNPC	-0.04562185	0.04692147	0.08711251	0.02797869	0.02051955	0.1008194	-0.1972426	0.1972426
GTPBP3	-0.06136774	0.1349442	0.06882749	-0.04975906	0.03023412	0.04038308	-0.1931362	0.1931362
ZNF646	0.1155625	0.05495482	0.00398187	0.03003212	0.08608157	0.06811179	0.02092064	-0.02092064
CCDC65	-0.01467111	-0.0744972	0.1262001	0.05958017	0.0930529	0.1315682	0.08506839	-0.08506839
MPZL1	0.1170331	-0.00930092	0.09707057	0.04652016	0.1034465	-0.01667465	0.03735553	-0.03735553
FBXL8	0.1106542	0.1935781	0.06187545	0.06225315	0.1239508	0.07181094	-0.09958868	0.09958868
CFAP97	-0.00893155	-0.0337288	0.1487474	0.06562909	0.02941415	0.08795167	0.00811731	-0.00811731
FOXF2	-0.03483102	-0.1244404	0.04061326	0.05770673	0.04426189	0.01560515	0.2580805	-0.2580805
PPARG	-0.1275704	0.08597412	0.0267703	0.04151524	-0.05468466	-0.01378263	-0.1726842	0.1726842
SFRP4	0.00878786	-0.1728293	0.09999253	0.03777635	-0.02620849	0.02634759	0.5779346	-0.5779346
TOMM40L	-0.00327179	0.02030032	0.0219434	0.06202984	0.07763181	-0.02541921	-0.1262084	0.1262084
LAS1L	0.02162735	0.07460244	0.03504598	-0.07581161	0.05001575	0.02253352	-0.1199685	0.1199685
FAM167B	-0.00092272	-0.07768052	0.1143207	-0.00639611	0.07470256	0.04816364	0.4121593	-0.4121593
ZNF347	-0.0303761	-0.06960985	0.0427701	0.02442844	0.05535506	0.01642043	0.1127338	-0.1127338
ADAM28	0.1044112	0.02942489	0.06992422	0.06087523	-0.00446054	0.03875341	-0.06058149	0.06058149
NRF1	-0.00401531	0.02379747	0.08094736	-0.01183262	0.05335221	0.03673135	0.02122574	-0.02122574
LRRC15	-0.04863502	-0.01202533	0.04791524	0.01220548	0.03350283	0.02084776	0.3620416	-0.3620416
ROMO1	0.0252556	-0.00528351	-0.04529753	0.03291956	-0.07841069	0.05006265	-0.08518381	0.08518381
WWP2	0.06045996	0.08961939	0.0462127	-0.01992643	0.06287903	0.02199993	-0.19979	0.19979
B4GALNT3	-0.05265669	0.02057917	-0.03191143	0.00976727	-0.03117105	0.0052512	-0.128897	0.128897
LRP10	0.04425305	0.0633794	0.0078804	0.06164913	-5.83E-05	0.09433392	-0.02292524	0.02292524
SOWAHB	0.08493913	0.01461333	-0.1306872	-0.08098132	-0.01668693	-0.00929424	-0.1519256	0.1519256
USF2	-0.03629928	-0.02409939	-0.00389666	-0.00906538	-0.03891693	-0.00292911	0.1378774	-0.1378774
PRRC1	0.00775967	0.1439985	0.07151856	0.09732287	-0.03762724	0.08948518	-0.1483266	0.1483266
SYNDIG1	0.01718623	-0.09692136	0.1176641	0.0256506	-0.02823451	-0.01114138	0.571878	-0.571878
STYK1	0.05127949	0.06166841	-0.04749682	0.02435958	-0.03432409	-0.03183052	-0.2732188	0.2732188
COX7A2L	0.04845792	0.00515293	0.01643066	0.00278137	-0.03928575	-0.0306476	-0.1199469	0.1199469
ZNF22	0.0126148	0.04883385	0.1066442	0.09580396	-0.00072505	0.07957078	-0.0141168	0.0141168
CD80	-0.0703258	0.1093662	0.1808204	0.08021432	0.02858412	0.09105057	-0.01285712	0.01285712
FCHSD2	0.01594124	-0.00358811	0.2427898	0.1140144	0.07445878	0.07978115	0.2494612	-0.2494612
TRIM36	0.01675345	0.05607897	0.0051998	-0.04115533	-0.04591508	-0.01851694	-0.1624527	0.1624527
CNPPD1	-0.00183032	0.07386651	-0.09806945	-0.07418775	-0.0650034	-0.02161096	-0.1062271	0.1062271
CDC42EP4	0.04966876	-0.04815835	0.01213529	0.01833581	0.0523736	0.01087771	-0.06328566	0.06328566
MYBL2	0.0004096	0.06618198	-0.03852307	0.00749131	0.02748554	0.01742185	-0.2379354	0.2379354
EZR	-0.00091328	0.07628365	0.01338749	-0.02455606	0.01890911	0.01941404	-0.2084407	0.2084407
ARHGEF6	-0.05585735	-0.05775861	0.2040606	0.1150591	0.03552529	0.07250249	0.2694092	-0.2694092
DIMT1	0.01358665	0.00778099	0.1749532	0.0112651	-0.03345576	0.07326642	-0.06613727	0.06613727
CTTNBP2NL	0.08169985	0.01626115	0.1348566	0.0223661	0.02173171	0.07352377	0.08818907	-0.08818907
FTSJ3	-0.0075985	0.07978785	0.03207162	0.01122756	0.04359706	0.07855447	-0.07904747	0.07904747
C1QTNF12	0.00733652	0.0475219	-0.00521172	0.09361246	0.00464409	0.06363738	-0.02421266	0.02421266
PKP3	0.00740051	0.10202	-0.02528256	-0.06963326	0.0460743	0.02793918	-0.290409	0.290409
TRPV3	-0.06264276	0.0221298	-0.03802181	0.02734223	-0.04106462	0.03007185	-0.1262837	0.1262837
CNIH3	0.05198735	-0.01095151	-0.08260375	-0.05181027	-0.02241414	-0.04451891	0.3074908	-0.3074908
C4orf33	-0.0443306	0.09286072	-0.01121991	0.01804635	0.01557537	-0.05351355	-0.2619567	0.2619567

LGALS9C	0.1027904	-0.08855115	-0.1068953	0.01013885	-0.064829	-0.00344449	-0.2041904	0.2041904
NIPA1	0.03060834	0.09515351	0.09065647	-0.03828156	0.02166479	0.06805612	-0.1816065	0.1816065
MED19	-0.05716943	0.00404635	-0.04118383	-0.03572737	-0.00209863	0.03319392	0.01363357	-0.01363357
ARMC8	0.02605701	-0.00600244	0.1094141	0.1164057	-0.06171143	0.04279689	0.02829195	-0.02829195
ATP5MPL	-0.09952531	0.00416895	-0.04826793	0.01495846	0.01267317	0.05892621	-0.2465157	0.2465157
PHAX	0.0120158	-0.04375045	0.1674865	0.1216804	0.00344357	0.1425752	0.09965444	-0.09965444
MTUS1	-0.1055358	0.0468483	0.00540491	0.1141401	0.00368929	0.05773914	-0.1294418	0.1294418
HIST1H2BL	-0.07096034	0.02837064	-0.03405715	-0.05525841	-0.02270975	-0.02337827	-0.08773722	0.08773722
ZSWIM8	0.01345273	-0.0150478	0.05250946	0.04679775	-0.0477747	0.09398467	0.04013692	-0.04013692
KLHL8	0.00624998	-0.01299762	0.1350146	0.04110234	-0.02399183	0.05185387	-0.1696855	0.1696855
TUBB6	-0.07331619	-0.1326511	0.04137142	0.03550078	0.01524352	-0.01286079	0.4679563	-0.4679563
RIOK3	0.00923919	0.1142203	0.04609807	0.1003402	-0.03018001	0.02198961	-0.2372245	0.2372245
SMN2	0.1149495	-0.02353348	0.1036957	0.05543602	-0.05914983	0.0765706	0.01984784	-0.01984784
ARHGFE5	0.08329723	0.06855395	0.06288218	-0.04652716	0.06265698	0.06801135	-0.2632697	0.2632697
POLR2K	-0.02834219	0.09354682	-0.02548485	-0.06988688	0.07334994	0.00656467	-0.03380584	0.03380584
ALOX15B	0.06551089	-0.02753784	-0.09702438	-0.0484055	-0.05034896	-0.04514574	0.00500682	-0.00500682
PERP	0.01550333	0.08481326	-0.1041803	-0.07957989	0.00032891	-0.03872544	-0.1164491	0.1164491
SPTY2D10S	0.02209199	0.07749644	0.07087486	0.00998007	0.03044504	0.08381245	-0.08792424	0.08792424
WDR6	0.03504396	0.0943527	-0.01761814	0.01911338	0.03320257	0.04711859	-0.04402821	0.04402821
PHRF1	-0.02352247	0.07249877	0.07616026	0.00452961	-0.00138118	0.09563268	-0.07096423	0.07096423
QTRT1	0.02070081	-0.06590402	0.01913935	-0.08370654	-0.02876658	0.01362743	-0.09806116	0.09806116
MEI1	-0.01526866	-0.00555428	0.07613691	0.1021218	0.04944387	0.06737832	0.09700977	-0.09700977
LTA	-0.06207933	-0.06316427	0.05895972	0.00670719	0.01733172	0.02439605	0.176925	-0.176925
LIMS1	-0.0428678	0.05876128	0.2626932	0.06631921	-0.0147789	0.02120902	0.1318105	-0.1318105
RAB5IF	0.0780342	0.0900292	-0.03226946	0.01019712	-0.00230659	0.02755792	-0.2062869	0.2062869
MEOX2	-0.02157888	-0.2018387	0.1596796	0.0783479	0.04576279	-0.04929353	0.4626923	-0.4626923
INSIG2	0.07707649	0.07055624	0.1069835	0.05187487	-0.04051906	0.04765767	-0.1025083	0.1025083
DENND1B	0.06439552	0.07154297	0.1580389	0.04859909	-0.01204206	0.08584694	-0.2158774	0.2158774
ERICH4	0.05293526	0.043984	0.07427133	0.03674224	-0.00967761	0.00011632	-0.07441617	0.07441617
DECR1	-0.03807183	0.1280535	0.01435295	-0.03611664	-0.07637128	-0.05604277	-0.2429214	0.2429214
RAB2A	-0.02720815	0.07257423	0.0066268	0.02354035	-0.09515936	-0.05119523	-0.1918006	0.1918006
FRMD4A	0.05774297	-0.02839878	0.0912193	0.00651948	0.1210696	0.00232227	0.3326718	-0.3326718
SLC34A3	-0.04057627	0.05621393	-0.02374428	-0.07068685	-0.0518756	-0.0287312	-0.09274199	0.09274199
TRMT13	-0.00471623	0.08334829	0.09621004	0.1003849	0.04111947	0.1226794	-0.1826683	0.1826683
EIF4EBP1	-0.03988911	0.02366641	-0.08190619	-0.1065836	0.01918595	-0.08451992	-0.1233421	0.1233421
NICN1	0.0509674	-0.06997474	-0.011727	0.00364557	0.04259163	-0.00537536	0.1427066	-0.1427066
SRPK1	-0.02843416	0.1599051	0.08556619	0.03757105	0.01578833	0.08735744	-0.313219	0.313219
CLCN5	0.1718539	0.02007084	0.1331302	-0.02642699	-0.00197535	0.05386406	-0.2017796	0.2017796
RNASEK-C17	-0.02934344	0.02159475	-0.03679713	-0.068538	-0.05372746	-0.0627262	0.1776473	-0.1776473
GPAT2	0.02287774	0.00567867	-0.07059214	-0.05620363	-0.05845844	-0.05617841	-0.04384308	0.04384308
MLF2	-0.1161341	0.1272674	-0.09211235	-0.1784856	-0.02357157	-0.06028804	-0.08095099	0.08095099
TMEM39B	0.00222365	0.02693922	-0.1114447	-0.04827299	0.00496445	-0.04374299	0.08447912	-0.08447912
UBL3	0.01609052	-0.09147147	0.00623861	0.1007784	-0.06355741	0.04337053	-0.121869	0.121869
AMACR	0.02150403	0.05679632	-0.0812814	-0.1339307	-0.09127217	-0.1115252	-0.1230823	0.1230823
TEAD2	-0.03944065	-0.03856753	-0.02228477	-0.01518396	0.00579003	-0.02689895	0.1779757	-0.1779757
ZFXH4	-0.02649608	-0.1798988	0.1505022	0.0735038	0.03832909	-0.00110735	0.4145023	-0.4145023
CPNE5	-0.06142083	0.01030118	0.05789988	0.07686055	0.00741737	0.110135	0.05311144	-0.05311144
PPP1R1C	0.05005614	0.0041103	-0.05851579	0.04194723	0.01155755	-0.01531481	0.02074107	-0.02074107
KHDRBS3	-0.0456818	-0.00399112	0.09685503	-0.02019185	-0.0238344	-0.02339784	0.05696406	-0.05696406
PDCL	0.04643228	0.07824815	0.08713081	-0.02272437	0.01417747	0.01385836	-0.0094525	0.0094525
LIMS2	-0.04431164	-0.1489657	0.10039	0.02798047	0.02622457	-0.03710647	0.4084155	-0.4084155
SAMD4A	-0.01322362	-0.1248262	0.1194686	0.03338103	0.00136659	-0.02830208	0.380156	-0.380156
DNAJA3	-0.02962356	0.03982126	0.02088917	-0.00578958	0.01917851	0.03931032	-0.2018583	0.2018583
SPTBN4	-0.09248699	-0.04267537	0.07733286	0.05371184	0.00085669	0.07142281	0.05550377	-0.05550377
FNIP2	0.07166823	0.05691085	0.06184832	0.03774386	0.08905241	0.03797434	-0.07410651	0.07410651
PMM2	0.03673828	0.1502216	0.01173905	0.06350837	0.06141512	0.01277105	-0.2122198	0.2122198
H2AFZ	-0.08430632	0.07152608	0.02822082	0.01540925	0.00467689	0.06917233	-0.2695611	0.2695611
ACBD6	0.0186395	-0.036162	0.09820462	0.04111837	0.03060458	0.07370306	-0.01618783	0.01618783
C3orf14	0.05765201	-0.07309876	-0.0019739	-0.06117715	-0.03146113	-0.03292564	0.175341	-0.175341
INTS8	-0.04286109	0.1096667	0.07099222	0.07006066	-0.01244582	0.08794568	-0.272654	0.272654
IMPA1	-0.02267789	0.151291	0.05790071	0.05995832	-0.03353855	0.02041987	-0.2554327	0.2554327

BMS1	-0.00429143	0.1125807	0.1200441	0.03385285	0.02919106	0.1045182	-0.1667298	0.1667298
MS4A4A	-0.00826978	0.01753039	0.2020485	0.1134874	0.00524406	-0.02442281	0.2037177	-0.2037177
CRYAB	-0.0506868	-0.1579101	0.0570614	-0.01102491	0.00044763	-0.07070861	0.4412874	-0.4412874
USB1	0.09859746	0.1042219	0.0455342	0.03144583	0.02251599	0.05761673	-0.00916341	0.00916341
STEAP4	0.03753184	-0.06336631	0.05772669	0.1135698	0.02186812	0.04457298	0.2708002	-0.2708002
S100P	-0.0308913	0.07373012	-0.02850622	0.02990962	-0.07527391	0.00178254	-0.2333371	0.2333371
DCLK2	-0.03568952	-0.1395493	0.09919133	0.031903	0.04351036	0.00349982	0.4332217	-0.4332217
SLITRK6	0.0547475	-0.1796793	-0.00874422	0.07401235	0.00071881	-0.00818518	0.1030919	-0.1030919
SOBP	0.00862005	-0.1747608	0.06979663	0.00611475	-0.05024944	-0.04304275	0.4060356	-0.4060356
HNRNPA1P4	-0.09669822	-0.02457509	-0.00317198	-0.09366573	-0.05365623	-0.00225685	-0.05740728	0.05740728
SPDEF	0.09848671	-0.006927	-0.02616136	-0.04278541	-0.01148885	0.01056398	-0.1014272	0.1014272
RPL35	-0.09160389	-0.05113863	0.05677522	-0.05955832	-0.05801096	0.07930301	0.03570639	-0.03570639
MAPKAPK3	-0.0216772	-0.00240735	0.00657066	-0.03021782	-0.0477169	0.01243688	-0.1826879	0.1826879
RAB12	0.01017021	-0.08121501	0.1067707	0.01989819	0.03432267	-0.01770304	0.3978098	-0.3978098
NEB	0.1403036	-0.05045534	0.01401574	0.0620373	-0.01832532	0.05721893	0.00276631	-0.00276631
ETV3	-0.02027712	-0.01022908	0.07185058	0.0135294	0.04765805	0.06253791	-0.1308132	0.1308132
ZNF490	-0.0025646	-0.03797727	0.1776643	0.02120608	0.07096679	0.09745162	0.05143714	-0.05143714
NGF	-0.05953153	-0.1270992	0.06248884	-0.05313994	-0.00972489	-0.04522692	0.3885538	-0.3885538
GSDMD	-0.03067065	0.1682196	0.0170689	-0.01801626	-0.05421537	0.02354604	-0.1079654	0.1079654
PSEN1	0.02144954	0.1056315	0.1275612	0.1054881	0.06858873	0.1195128	-0.1738409	0.1738409
DOLK	-0.05418165	0.04821541	-0.08016709	-0.0870507	-0.00282771	-0.00340624	-0.03744512	0.03744512
RB1CC1	0.01027874	0.01772306	0.136596	0.04583937	-0.06257603	0.06247018	-0.06164872	0.06164872
VIPR2	0.0145891	-0.154282	0.07688398	-0.02358715	-0.03583182	-0.00589304	0.2581691	-0.2581691
ZNF711	-0.135042	0.1724701	0.04155632	0.02370255	-0.0050429	0.01835199	-0.2152826	0.2152826
BBS10	0.06655256	-0.1040481	0.04951313	0.03109796	0.02712321	0.03515267	0.184499	-0.184499
HMCN1	0.04107449	-0.09907233	0.1431329	0.07201081	-0.01520713	0.03433415	0.4399112	-0.4399112
CDH24	0.04037331	0.01368126	0.02172028	-0.00017028	0.082226	0.07427636	-0.01581895	0.01581895
EXOG	0.01661362	-0.01657041	0.124064	0.04713754	0.00440929	0.04960642	0.1269286	-0.1269286
FBXO46	-0.06446674	0.02020499	0.0222242	0.01013102	-0.00734179	0.06211627	-0.1214772	0.1214772
TRAT1	-0.0858187	-0.06847875	0.1797876	0.04849772	0.01632572	0.07543855	0.1745506	-0.1745506
COLEC11	0.06011456	-0.04214301	-0.03702921	0.02829458	-0.03172843	0.01306628	0.08824633	-0.08824633
GSTK1	0.01652761	0.05658718	-0.00152353	-0.07811648	0.04095889	-0.00145727	-0.02201099	0.02201099
SLC9A6	0.05349587	0.08199967	0.08977465	0.05301104	-0.02113982	0.05789063	-0.1256974	0.1256974
ACIN1	0.02769625	0.05508053	0.09428807	0.08695041	0.0100676	0.1492083	-0.1326395	0.1326395
PYGB	0.09266313	0.04632393	0.02976099	0.04213483	0.03459364	-0.01275383	-0.03059493	0.03059493
SORT1	0.1138477	-0.00774088	0.06783605	-0.044216	0.01935398	-0.0269219	-0.05578998	0.05578998
ASNS	0.01028592	0.03344796	0.08029243	-0.02217673	-0.00791801	0.02517766	-0.07455287	0.07455287
FPGS	0.00850054	0.05908088	0.02719439	-0.00657872	0.0016073	0.08678087	-0.06584	0.06584
GADD45G	-0.03446052	0.01689237	-0.0670569	-0.0294778	-0.05587192	-0.02308132	0.02864694	-0.02864694
IFIT3	-0.04644268	0.07379979	0.1688845	0.02537473	0.0029565	0.04115113	0.1571262	-0.1571262
CCDC68	-0.1530592	0.1434091	0.06217248	0.01941227	-0.00736856	-0.00785365	-0.2519919	0.2519919
PARK7	-0.05019164	0.05036608	-0.04520642	0.00042091	2.68E-05	0.02156648	-0.09031318	0.09031318
SRRM1	-0.03801807	0.03631789	0.1650172	0.06381042	0.01797813	0.1245379	-0.1394087	0.1394087
PDCD1	-0.1147037	-0.02287473	0.109492	0.04071908	-0.04583549	0.07490217	0.07909201	-0.07909201
KLF3	-0.04842833	0.1207942	0.07939188	0.01772013	-0.03850858	0.02423546	-0.2812798	0.2812798
GASK1B	0.05351322	-0.09013985	0.2446362	0.09217859	-0.01906778	0.04988131	0.3992753	-0.3992753
NKIRAS2	0.07714359	0.00717174	0.03518075	-0.0838205	0.01606869	0.00174936	0.07657337	-0.07657337
PTGFRN	-0.03984173	-0.1090484	0.1503918	0.02310333	0.02028641	0.03021712	0.2382583	-0.2382583
RNF4	0.00831328	0.01835818	-0.0209549	0.0132032	0.00010817	0.0297183	-0.0575546	0.0575546
GPR132	0.00619133	-0.0444616	0.12444	0.1186979	0.05937165	0.1294693	0.2504783	-0.2504783
NFKB1	0.01646392	0.0418386	0.1042193	0.03777799	0.05829078	0.07104613	-0.00293872	0.00293872
LOXL2	0.07151814	0.1159197	0.0300788	-0.03873145	-0.02955105	0.00375502	0.2948854	-0.2948854
DNAJC12	-0.03347498	-0.03624893	0.07499198	0.04745804	-0.03889041	0.1100682	0.05174334	-0.05174334
IFT43	0.00052063	0.1111408	-0.01398961	-0.05942825	-0.02072484	-0.04018468	-0.09966324	0.09966324
ZBTB41	0.03333206	0.03157747	0.1817499	0.05788714	-0.00626131	0.08591937	-0.152144	0.152144
SRA1	0.03481082	0.01473985	-0.02858977	0.01211456	-0.02240118	0.01462785	0.08040357	-0.08040357
SRSF8	-0.06616722	0.00068314	0.1068197	0.1206791	-0.03690269	0.1014645	-0.07202035	0.07202035
ADRA1B	-0.06834249	0.0516503	-0.07756332	0.02633016	-0.02024572	-0.03424905	-0.01694856	0.01694856
SYCE3	-0.1263261	0.01500114	-0.0681701	-0.00651133	-0.01029806	0.01038829	0.02663919	-0.02663919
BTG1	-0.02086243	-0.09492209	0.04803674	-0.03035362	0.01978317	-0.04361	0.1523598	-0.1523598
BVES	-0.05296496	-0.15285	0.09165574	0.01068348	-0.00497543	-0.03637418	0.3193105	-0.3193105

PSMD13	-0.05641707	0.1201401	0.06382779	0.01401825	0.02916002	0.05262192	-0.1544935	0.1544935
AKT1	0.03272073	0.05075693	-0.00111328	0.02001735	0.02509667	0.03870098	-0.031005	0.031005
PDE11A	0.02957289	-0.05093075	0.04778205	0.0165487	0.06208849	0.04880667	-0.1521388	0.1521388
SUCLG1	-0.07736533	0.1032726	0.0057057	0.00819239	-0.03643407	-0.044924	-0.3220374	0.3220374
MX2	0.00236566	-0.02089748	0.01470318	0.03362196	0.06476712	0.00114846	0.1158715	-0.1158715
C5orf38	-0.02650101	0.01494095	-0.04011746	-0.01281373	-0.04526865	0.03576586	-0.0714637	0.0714637
EPN3	0.1048871	-0.00339407	-0.2205919	-0.02163598	0.00868025	-0.04720225	-0.2188656	0.2188656
ATOX8	0.02124268	-0.1046642	-0.07514427	-0.06094902	-0.04116956	-0.1053134	0.3095539	-0.3095539
DAAM1	0.00768132	-0.05876673	0.07077217	0.05954725	0.03115608	0.00694605	0.1580835	-0.1580835
NEIL1	0.07274552	-0.00818551	-0.06291273	0.05362954	0.01786096	0.00437135	-0.05096722	0.05096722
C16orf86	0.06683375	-0.1074399	0.1178409	0.03113313	0.04881312	-0.01391112	0.4054708	-0.4054708
GUSB	0.1222188	0.05460606	-0.01276928	0.02980203	-0.00040627	0.04012235	-0.0935835	0.0935835
CDKN2AIPNI	-0.03340613	-0.08124691	0.03033662	0.00254561	-0.02285508	0.05940327	0.00021414	-0.00021414
STAT6	0.06765336	0.0552938	0.1237232	0.08360686	0.01667918	0.1173519	-0.03356849	0.03356849
HINFP	-0.01184667	0.09585879	0.00049755	0.00698334	-0.01522515	0.0319481	-0.1432364	0.1432364
GABARAPL2	-0.0269011	0.01269	0.1373355	0.1149115	0.0034999	0.08446062	0.1354096	-0.1354096
ZNHIT2	-0.1106554	0.03840851	-0.05335164	-0.04410094	-0.01257407	0.04906752	-0.05572063	0.05572063
CCL3L1	-0.02507959	0.1087863	-0.01149346	-0.04212322	-0.03687957	-0.06010262	0.08943056	-0.08943056
COA5	-0.00873176	0.0491973	0.08322188	0.02094634	-0.02777042	-0.00094771	-0.09932619	0.09932619
CLGN	0.04218081	0.01937301	-0.00303495	0.03990714	0.02489603	-0.0242446	0.08978373	-0.08978373
JHY	0.00071717	-0.07103653	0.04940206	0.04804415	-0.00730273	0.07753939	0.3071661	-0.3071661
TLL1	-0.00161437	-0.1476333	0.1345913	0.09026906	0.08829875	-0.0312983	0.3751181	-0.3751181
HOXB4	-0.00351667	-0.05126488	-0.01162488	0.05326684	-0.01066878	-0.00650122	0.2709211	-0.2709211
HSPB6	-0.07628917	-0.1474911	0.05523654	-0.0073873	0.00996531	-0.04852422	0.3189536	-0.3189536
ADGRL3	0.00402155	0.00356305	-0.01173872	0.00529876	-0.01686365	-0.06111912	0.1190239	-0.1190239
CERS6	0.00693231	0.08091548	0.04443213	-0.05167569	0.02145494	-0.0364399	-0.230484	0.230484
PHKA2	0.03821339	0.08142039	0.02941757	0.01570349	0.05496529	0.05997514	-0.1262148	0.1262148
NUDT6	-0.07575101	-0.01975565	0.01054625	-0.0281434	-0.02430146	-0.04923003	-0.04118139	0.04118139
HYKK	-0.02762212	-0.00018121	0.02705908	-0.02206089	-0.03910389	0.01090634	-0.07040585	0.07040585
IL18RAP	0.061616	0.1514706	0.1063071	-0.0085401	-0.0011184	0.02194498	0.03365583	-0.03365583
PRDM2	0.05838925	-0.06112893	0.06568005	0.08957003	0.00729671	0.06106426	0.1818913	-0.1818913
TBC1D30	0.01640518	0.04499648	0.1090476	0.02602599	-0.06874364	0.08139685	-0.1224679	0.1224679
TRMT2A	-0.03295294	0.07562969	-0.05313545	-0.07919481	0.00592126	-0.02287914	-0.03585028	0.03585028
SREK1IP1	-0.01146314	-0.0754633	0.2239923	0.09574507	-0.00280107	0.1471718	0.01929912	-0.01929912
SCAMP4	0.08314519	0.1073697	-0.0309716	-0.07789474	0.02299049	0.00062999	0.01777935	-0.01777935
TRIP11	0.05506824	-0.01779809	0.1215936	0.1357584	0.01457653	0.1382075	-0.13606	0.13606
FAM107B	-0.04129565	-0.09945046	0.00157065	0.0504286	0.02936259	0.09359242	-0.113978	0.113978
TDG	0.00296263	0.03654298	0.05822715	0.05753563	-0.05824984	0.07155299	-0.1820079	0.1820079
NOS3	-0.06490558	0.02289472	0.1430949	0.1282645	0.09105934	0.1497777	0.212132	-0.212132
ABL1	0.02550872	-0.1020459	0.1047574	0.03826133	0.03833837	0.03159808	0.3100539	-0.3100539
VPS37D	-0.05039418	0.00799155	-0.05916236	-0.1110732	0.01489965	-0.05205461	0.03955907	-0.03955907
LRIG3	0.06518028	0.03253113	0.121449	0.03121568	0.05712175	0.05040482	-0.1042813	0.1042813
FAM111A	0.00970895	0.1216849	0.07004545	0.01352827	-0.03602742	0.06836996	-0.1757891	0.1757891
FHL2	-0.04316466	-0.01806442	0.01154592	-0.04790468	0.05748925	-0.04623547	0.1459527	-0.1459527
NFS1	0.03704244	0.02698285	0.03511532	-0.01579642	-0.0202385	0.04531285	-0.2192369	0.2192369
HIST1H3E	0.05452425	0.00371459	-0.0462086	0.06565631	-0.01156656	0.07476808	-0.1626414	0.1626414
ZNF121	-0.03014499	0.06043762	0.1205045	-0.01533967	0.00312808	0.06903526	-0.1355713	0.1355713
BORA	0.04448277	0.03831597	0.06387966	-0.00386544	-0.0277225	0.05411672	-0.2514902	0.2514902
DTD1	-0.1181016	0.1226456	-0.0063968	-0.05196484	-0.05066302	-0.07053073	0.00689034	-0.00689034
ZNF836	0.06917232	0.02482558	0.09003572	0.00543214	0.01124182	-0.01628786	-0.00508879	0.00508879
CENPV	-0.03368724	0.158301	-0.01047866	-0.04177883	-0.00683232	-0.0625577	-0.247833	0.247833
URGCP	0.06579696	0.04218513	0.06285311	0.02940516	-0.00048177	0.05095008	-0.1506077	0.1506077
MEN1	-0.04054963	0.04922525	-0.03866526	-0.06651974	-0.01285683	0.03769076	-0.160786	0.160786
CKS2	-0.1756728	0.05715381	0.0163279	-0.1216503	-0.07659776	0.01611285	-0.269025	0.269025
MITD1	-0.04287659	0.124874	0.1016704	0.00415357	-0.03141186	0.04960381	-0.1492549	0.1492549
SIL1	0.06706574	0.00659795	-0.05416717	-0.00629312	-0.00109877	-0.02645909	0.02066377	-0.02066377
SRR	-0.03524726	-0.08533772	0.1360789	-0.06812003	-0.02416482	-0.00954004	0.1632914	-0.1632914
SERPINA1	0.09492448	-0.09720209	-0.05865081	0.01376601	-0.02039071	-0.04133633	-0.03629072	0.03629072
PPRC1	0.00907064	0.03103567	0.04661092	0.06112843	0.01879524	0.1510595	-0.1303604	0.1303604
HECTD2	0.00691948	-0.1462849	0.09513894	0.05417941	-0.00674792	-0.04355007	0.3402354	-0.3402354
MTRF1L	-0.0268971	0.02470759	0.1535372	0.04445731	-9.91E-05	0.08010855	-0.0609486	0.0609486

NANS	-0.06225319	0.1375242	0.0200865	-0.02839304	-0.02888665	0.00991997	-0.2339556	0.2339556
MFS1	0.01022892	0.01301019	0.2309934	0.1258465	0.01579413	0.02797358	0.05749291	-0.05749291
SMU1	-0.06114873	0.04135513	0.1071313	-0.00406961	0.01216823	0.1382349	-0.1232664	0.1232664
KCTD13	0.05689834	0.08329111	0.00783498	-0.01189593	0.1989832	0.00923575	0.07249364	-0.07249364
MMGT1	-0.00748159	0.06107009	0.1121967	0.06290734	-0.03201047	0.05661725	-0.1442788	0.1442788
DUOXA2	-0.02037993	-0.01566814	-0.1115616	0.05868381	-0.04225539	-0.02343186	-0.1476617	0.1476617
MTHFSD	0.1021802	0.08680009	0.08038334	0.07056342	0.08261874	0.07332566	-0.07006449	0.07006449
SEMA6C	0.02613472	-0.1106508	0.01173977	0.05324405	0.06069816	0.0124521	0.2281525	-0.2281525
ZSWIM4	0.0976889	0.03060895	-0.01569346	-0.04335283	0.06739326	-0.01045345	0.2569618	-0.2569618
DCP1B	-0.1258891	-0.06543734	0.03780853	0.07813431	0.00070905	0.05911372	0.1821366	-0.1821366
L3MBTL3	-0.07516875	0.01030171	0.147902	0.149965	0.08404694	0.1093445	0.2320176	-0.2320176
PIIH	-0.1087244	0.06058943	-0.03509697	-0.05112906	0.00363845	0.02756262	-0.1761653	0.1761653
MAGOH	-0.06364062	0.03071744	0.03281937	-0.08259977	0.0227864	0.00354693	-0.1158798	0.1158798
BCOR	0.00881539	0.01551682	0.08833616	-0.02498945	-0.04695914	0.0687737	-0.05950864	0.05950864
BPIFB1	0.03479811	-0.1103728	-0.04268473	-0.0253749	-0.00700288	-0.00556613	-0.1212698	0.1212698
CLDN15	0.1109774	0.1228949	-0.194851	-0.04162837	0.1033998	-0.1136774	-0.1122693	0.1122693
CHCHD2	0.00247044	0.1100136	-0.04191399	-0.03856343	0.00135022	-0.01629362	-0.1385396	0.1385396
LGALS9	0.00787774	0.06528246	0.063149	-0.06811706	-0.01207756	-0.0102936	-0.09714361	0.09714361
CNOT10	-0.0802314	0.08515692	0.06256372	-0.02514904	-0.03774693	0.06683559	-0.2376856	0.2376856
PYGM	-0.06738046	-0.1403378	0.07272731	0.02697592	0.01239219	-0.02712368	0.3125076	-0.3125076
VIM	-0.06229194	-0.07351639	0.1470365	0.08650126	0.06054062	0.04480035	0.4670149	-0.4670149
LRRFIP1	0.01190931	0.04866299	0.08401127	0.05063756	0.0478086	0.06376086	-0.01251835	0.01251835
KIF2C	-0.07523704	0.09826277	-0.01969642	0.01668814	-0.02512752	0.05902996	-0.289173	0.289173
TEX10	-0.02211539	0.00843531	0.09729344	0.01614037	0.00564994	0.08707434	-0.1479469	0.1479469
FMO4	0.1290428	-0.07340801	-0.07214805	0.01913531	0.02029479	-0.05160972	-0.05111394	0.05111394
HES4	-0.075223	0.03869446	0.00392892	-0.05147916	0.02110553	0.01097665	0.2463907	-0.2463907
OXR1	0.08810447	-0.07256835	0.01795379	0.00222799	0.00216403	-0.00443667	-0.0577863	0.0577863
ZNF764	0.02494233	-0.03844014	-0.00171021	0.06390542	0.05446056	0.06273215	-0.01818508	0.01818508
RHD	0.1081924	-0.09416579	0.1012721	0.05464358	-0.01558124	0.08140874	0.1733536	-0.1733536
ZNF571	-0.02803732	0.03094161	0.06805282	-0.01921769	0.02303528	-0.0250069	0.00820317	-0.00820317
LSG1	0.03579525	0.01417312	0.1006024	0.03787009	-0.00810813	0.08420366	-0.1004936	0.1004936
PCLAF	-0.02440512	0.06181359	0.01353399	0.01086477	-0.01323281	0.00631185	-0.3250655	0.3250655
RNF213	-0.01483843	0.1208879	0.1068929	0.01643678	0.02806406	0.1032415	-0.05198638	0.05198638
FAM32A	0.0302316	0.09392878	0.01415877	-0.02051451	0.06689591	-0.00968591	-0.05921231	0.05921231
ADM5	0.02370238	-0.07644735	0.05449543	0.08575793	0.03412496	-0.00375171	0.118287	-0.118287
STAT5A	-0.01819363	0.03840335	0.2778341	-0.00515909	0.03746273	0.06854277	0.1604912	-0.1604912
REC8	0.1149775	-0.0508079	0.04086898	0.03798035	0.04100661	0.06884501	-0.09694194	0.09694194
MTHFS	-0.0421834	-0.09453368	0.09187446	-0.00222944	0.0504007	0.06654012	-0.08285542	0.08285542
ARTN	0.02391918	0.1221992	-0.1048952	-0.1154505	-0.03422713	-0.1054832	0.03046947	-0.03046947
KIAA1522	0.03811831	0.08811686	-0.06527073	-0.00314293	-0.03098413	0.01571995	-0.2538655	0.2538655
CD93	0.07042812	0.00872828	0.1120002	0.06215684	0.04603254	0.03056632	0.3349732	-0.3349732
C11orf68	-0.01308041	-0.02900052	-0.02055638	-0.04190867	0.03617061	-0.01241154	0.3230571	-0.3230571
ATG9B	-0.08592142	0.06265078	-0.05462827	-0.01583349	-0.02162204	0.00365982	-0.05888287	0.05888287
B9D1	-0.1439532	0.1220055	-0.05242063	-0.06008583	-0.05031839	-0.05929924	0.04136578	-0.04136578
AFG3L2	-0.02274186	0.1113615	0.07078955	0.03241068	-2.29E-05	0.02457904	-0.2727025	0.2727025
ZMPSTE24	0.06354033	-0.00845506	0.1008944	0.07406457	-0.03059029	0.0704158	-0.1012336	0.1012336
STK39	0.03127415	0.07309914	-0.01757229	-0.0102856	-0.03515164	-0.08912598	-0.3107623	0.3107623
REP15	0.05011714	-0.05072268	-0.02783836	0.06312923	0.01726673	-0.1007392	-0.03264862	0.03264862
MT-ND2	0.06775534	0.0271626	-0.05758397	-0.0266664	-0.01809335	-0.08220269	-0.04531119	0.04531119
ATXN10	-0.02945829	-0.03525208	0.03086638	0.02623573	0.01675469	-0.00086876	-0.1079181	0.1079181
TAGAP	-0.03154369	-0.08115683	0.1091112	0.03521435	0.06178194	0.02761039	0.228608	-0.228608
SCNN1A	0.1160832	0.0704091	-0.140705	-0.03747737	-0.02254486	-0.09332738	-0.09364871	0.09364871
THOC2	0.02922696	0.08457768	0.1712549	0.03977534	0.00887969	0.1034637	-0.2127139	0.2127139
AP2A1	0.02472186	-0.01536857	0.00835052	0.0253222	0.0530573	0.04433409	0.08460617	-0.08460617
PEX11B	-0.02059819	0.0903504	-0.00994848	-0.02102835	0.07127109	-0.05612981	-0.1923596	0.1923596
NARS	-0.06844108	0.1462484	0.1135545	0.00493121	-0.01719884	0.01405499	-0.2653255	0.2653255
DPY30	-0.05317099	0.02377909	-0.01342053	-0.00547363	0.04911182	0.02576687	-0.1844128	0.1844128
RESF1	-0.04386099	0.0212804	0.1029429	0.1252605	0.09027993	0.1445077	-0.06989592	0.06989592
TAF5L	-0.03646894	0.05190857	0.07714977	0.00307618	0.03159827	0.02196327	-0.1097067	0.1097067
SNX18	-0.061079	-0.160665	0.08045593	0.07108413	-0.00932814	0.04676225	0.2794249	-0.2794249
C19orf57	0.01466158	-0.05056191	-0.02996581	-0.1075561	-0.04284913	-0.03409315	-0.1958899	0.1958899

PYURF	-0.09442589	0.00682697	0.09067693	0.02124749	-0.0886548	-0.04276551	0.06635946	-0.06635946
AGTPBP1	-0.02872772	0.0641735	0.1570045	0.0432035	0.02802036	0.06799878	-0.1033069	0.1033069
FANCI	0.02957511	0.09354162	-0.001398	0.03107941	-0.06207562	0.1096595	-0.2837912	0.2837912
MRPL11	-0.01732717	-0.00045532	0.03330523	-0.00030843	0.02045441	0.0861924	-0.08471946	0.08471946
GCNT1	-0.08243211	0.07057858	-0.1350361	-0.01329941	-0.06535139	-0.05323965	-0.2603188	0.2603188
KLHL30	0.04681518	-0.1237404	0.1042953	0.08430736	0.03444591	0.1403132	0.1218551	-0.1218551
CRK	-0.00327635	0.04045123	0.179723	0.1022053	-0.03688795	0.1142132	-0.07500988	0.07500988
PABPC3	-0.01010947	0.02682419	0.01620561	-0.03597903	0.03002976	0.07569861	-0.07898959	0.07898959
NEDD9	0.1202894	0.01589181	0.07721664	0.07369963	0.02934893	0.06141344	0.1397752	-0.1397752
PRR15L	-0.00124841	0.1184317	-0.08323642	-0.03878612	-0.00160262	-0.04075633	-0.3642137	0.3642137
ABCD3	0.06070684	0.04937856	0.00056159	0.05482902	-0.07706275	0.02702466	-0.3498719	0.3498719
PPP1R9A	-0.04908296	-0.1347895	0.08431559	0.04243982	-0.01793923	0.04339987	0.03647413	-0.03647413
NPFFR1	0.1161661	0.03274763	0.00803119	-0.01861258	0.1710162	0.04874576	0.08143062	-0.08143062
COX7B	-0.04593661	0.01592537	-0.05376022	-0.07074189	-0.04731952	-0.01525012	-0.1911837	0.1911837
PRKAA1	-0.00199146	0.1066228	0.113309	0.01704763	-0.01910722	0.05407433	-0.0819547	0.0819547
ANXA2	-0.03397642	0.09243172	-0.01522597	0.00624333	0.02860885	0.00273241	-0.1085839	0.1085839
COL9A3	0.09696981	0.04510638	-0.1299481	-0.1023022	-0.05367036	-0.08287017	0.04006707	-0.04006707
NAA80	-0.01714035	0.05281957	0.01191211	-0.09108444	0.01437351	-0.05326649	-0.01845187	0.01845187
TLCD5	0.04395197	-0.1352391	-0.00152115	0.02515641	0.01319628	-0.02569196	0.2978248	-0.2978248
MON2	0.05937434	-0.00709085	0.1446973	0.1144816	-0.00618147	0.133972	-0.09275308	0.09275308
CLDN9	0.07518424	0.06246436	-0.01509472	-0.00805726	0.0329165	0.07255252	0.09587333	-0.09587333
PEAK1	0.09168473	-0.09883128	0.1319481	0.08745037	0.0068314	0.07883447	0.224107	-0.224107
NCKAP5L	-0.00883854	-0.09462301	0.0677717	0.06723365	0.001987	0.1013407	0.3723475	-0.3723475
NBL1	0.02191989	-0.02533166	-0.01839655	-0.0764666	0.00169586	-0.01346193	0.3558442	-0.3558442
FRRS1	0.03080419	-0.02735005	0.08203337	0.09215725	0.02182386	0.0304163	-0.1082274	0.1082274
RIF1	0.00404324	0.06141537	0.1684871	0.08657233	0.02801998	0.1459487	-0.1334409	0.1334409
QTRT2	0.01182669	0.04622107	0.09671951	0.05566646	0.00747551	0.09426184	-0.1494901	0.1494901
GBA2	-0.01259285	0.1188609	-0.09954197	0.01372786	0.00252325	0.09388653	-0.2071212	0.2071212
GNAS	-0.04998333	0.01728229	0.1047034	0.06746328	-0.0474407	0.08958444	-0.02235823	0.02235823
TM9SF4	0.120615	0.05938721	0.08740333	0.06994554	-0.03213782	0.08700777	-0.1245163	0.1245163
LBP	-0.0013709	0.03530536	-0.0202419	0.0233189	-0.02423525	-0.0159848	0.02953605	-0.02953605
FCHO1	-0.2025057	0.07762775	0.0371186	-0.0147418	0.019022	0.03997584	-0.05456908	0.05456908
INMT	0.00172545	-0.2108446	0.1679974	0.08714232	0.01360836	0.05575812	0.5178692	-0.5178692
MPZL3	0.04981139	0.05516517	-0.00409804	0.05296358	-0.05374979	0.06736509	-0.2470455	0.2470455
FOXO4	0.02467179	0.0781829	-0.03834585	-0.07531797	0.03359186	-0.05453867	-0.0593972	0.0593972
ACTR3C	0.03184599	0.070326	0.02834618	-0.08770041	0.02178054	-0.0110887	-0.1298782	0.1298782
LST1	-0.01324967	-0.06960474	0.120485	-0.00813674	-0.02845542	-0.02804171	0.3200925	-0.3200925
CHUK	-0.01676786	0.0664859	0.1337877	0.01770131	-0.04062571	0.09173895	-0.2101829	0.2101829
ADGRF1	-0.03470746	-0.04569627	0.03454101	0.0484999	0.00104634	0.01323958	-0.0846944	0.0846944
ICE1	-0.00513008	0.08100132	0.1261677	0.04522364	0.02366777	0.104719	-0.05579928	0.05579928
NUMBL	0.00650447	-0.1054751	0.08279958	0.03799893	0.04481617	0.05560777	0.4239614	-0.4239614
DEGS2	0.08325959	0.1048663	-0.1274548	-0.129038	-0.00851682	-0.1028884	-0.2242322	0.2242322
CCDC97	0.01249122	-0.02639241	0.02210129	0.00899425	-0.01376518	0.06522997	-0.04628757	0.04628757
C2orf69	-0.06997383	0.0394483	0.1689096	0.04597245	-0.0014111	0.09566534	-0.1687718	0.1687718
CLK1	0.00762946	0.08709772	0.07674857	0.1127809	0.01888897	0.09813201	0.00936894	-0.00936894
PTPRF	0.1086163	-0.00356941	-0.09199851	0.01281099	-0.0308756	0.02682145	-0.1792374	0.1792374
FCRL5	-0.01554212	0.05101822	0.08289323	0.1816996	0.06103209	0.1336126	0.08341847	-0.08341847
RFT1	-0.00792547	0.0419659	-0.02306803	-0.02607528	0.01577611	-0.01658485	-0.1576839	0.1576839
SETD6	0.1064051	0.1160167	0.06227322	0.01443017	0.03810979	0.08647373	-0.1111603	0.1111603
KBTBD4	0.04698715	-0.00263809	0.00428719	-0.01195007	0.01708542	0.04452037	0.03778962	-0.03778962
IL3RA	0.1318892	-0.1194713	0.08499934	-0.02184994	0.05111185	-0.00085371	0.4466483	-0.4466483
HTRA1	-0.08388255	-0.1009317	0.1182603	0.1027793	-0.01376331	0.00619761	0.4714704	-0.4714704
RGL3	0.03574601	-0.02934276	-0.08712943	-0.02882176	0.0194846	-0.03568393	-0.06069795	0.06069795
LMLN	0.00277791	-0.00127037	0.07100222	0.02309453	0.00641912	0.1138241	-0.05412948	0.05412948
MRPS15	-0.09582678	0.04319458	-0.04539912	-0.02989511	0.00463287	-0.04646925	-0.08993164	0.08993164
SHD	-0.0480626	0.1143172	-0.1201915	0.00112742	0.03436663	-0.06942042	-0.1471991	0.1471991
HILPDA	-0.07976893	-0.00611323	0.01457959	0.01687923	0.01262667	-0.00780611	-0.07306488	0.07306488
TCTN2	0.01770241	-0.08793638	0.09197622	-0.01203541	0.03085557	0.06193056	0.0971908	-0.0971908
GNLY	-0.1003897	0.0610357	0.03495023	-0.06825566	-0.05235584	0.01873266	0.05116913	-0.05116913
PIWIL1	-0.04909252	0.08369767	0.06834526	0.0420454	0.04848057	0.09837932	-0.0469345	0.0469345
SPATA24	0.06683133	-0.02509551	-0.05432421	0.02062306	0.03374189	0.06415692	-0.03314076	0.03314076

SLC26A6	0.03067002	0.1829991	-0.06032136	-0.04791067	-0.00147971	-0.04557392	-0.2827205	0.2827205
MSL2	0.02573102	-0.02627024	0.131133	0.04843828	0.00946052	0.1054875	0.03020373	-0.03020373
TGM2	0.04274343	-4.25E-06	0.1539661	0.05633671	0.06640731	0.1357114	0.1608364	-0.1608364
PROX1	0.112018	0.01165701	-0.098836	-0.1196868	-0.05313798	-0.1072004	-0.02477169	0.02477169
PRDX5	-0.03033017	0.1084854	-0.1117443	-0.1033289	-0.1141625	-0.07357464	-0.1125459	0.1125459
TAF1D	0.01097533	0.1820642	0.07597242	0.08789927	-0.01340058	0.1123213	-0.2177584	0.2177584
PER1	0.01202235	-0.03820045	0.1150634	0.09353496	-0.02245127	0.06257359	0.2716406	-0.2716406
ZBED2	0.00637596	0.02158277	-0.04911746	0.02504034	-0.02588514	-0.00838771	0.00163865	-0.00163865
MAN2A2	0.1007586	0.04189373	0.05995031	0.03079156	0.04425532	0.1008556	-0.07719376	0.07719376
MT-CO1	-0.01688906	0.02261099	-0.09984756	-0.04573751	0.01153597	-0.1001132	-0.03322884	0.03322884
DECR2	0.05758866	0.09566164	-0.00383725	-0.02911069	0.0709275	-0.01136685	-0.1866937	0.1866937
CRNKL1	0.07323331	0.04560222	0.1334916	0.00930158	-0.05671973	0.08861251	-0.135759	0.135759
WDR53	-0.00293524	-0.03494995	0.06805806	-0.02460751	0.00232618	0.02493063	0.00540618	-0.00540618
MIB1	0.06109601	-0.0336156	0.0847793	0.09931879	-0.01054792	0.03595284	-0.06185757	0.06185757
LAMB3	0.06004921	0.02492283	-0.01068605	0.05264321	0.02491164	0.069748	-0.07215949	0.07215949
SNX13	0.0351163	0.09512196	0.1705814	0.09569574	-0.01805147	0.07459987	-0.1791778	0.1791778
GSTA4	0.06190353	-0.00050473	-0.15824	-0.09397765	-0.04066411	-0.1116003	-0.09691324	0.09691324
FAM160B1	0.0328076	-0.00908997	0.2294456	0.1149277	-0.00951595	0.08675824	0.1439314	-0.1439314
HHIPL1	0.04956097	-0.103434	0.03356221	-0.01887291	0.01403971	-0.0089118	0.3174338	-0.3174338
HLA-G	0.02619042	0.05519924	0.01684767	0.01126352	-0.01164885	0.07328208	-0.07205487	0.07205487
DDX42	0.06012389	0.02785786	0.08541841	0.07555504	0.1047026	0.09841271	-0.04088845	0.04088845
B4GAT1	-0.07031747	-0.06185398	0.08585689	-0.01173538	0.01548926	0.02406585	0.04086341	-0.04086341
KLHDC7B	-0.1062082	0.04093556	0.1061707	0.01380273	0.1228778	0.03972703	-0.02137598	0.02137598
EXOSC5	-0.1145893	0.03720588	-0.08820462	-0.05064876	-0.00862407	0.00025285	-0.1043771	0.1043771
IL18	-0.1454431	0.03150096	0.02819164	0.07330609	-0.0498402	0.02346531	-0.0136403	0.0136403
ZYG11B	0.01261495	-0.1071314	0.1879634	0.05805373	0.02256833	0.06308569	0.2160513	-0.2160513
POFUT2	0.06931367	0.07786646	0.02762765	0.04144521	0.01584602	0.06029701	0.07522219	-0.07522219
TAB2	-0.01650211	-0.02430513	0.174849	0.09589363	0.04712626	0.07927346	0.06267745	-0.06267745
YBX3	0.0014972	-0.08626769	0.09815796	0.0386341	0.01373404	0.03401398	0.2580401	-0.2580401
IL7	-0.014574	0.1122468	0.0812009	0.0108136	-0.05997812	0.01141512	-0.207601	0.207601
H2AFJ	-0.0350566	-0.06310232	-0.07324654	-0.1203278	-0.01124089	-0.04520718	0.00542332	-0.00542332
ARFGAP3	-0.01034437	0.1034057	0.0688843	-0.01808793	0.04108321	0.04623995	-0.1537981	0.1537981
AC012651.1	0.1382041	0.08549629	0.04204069	0.07992383	0.07567051	0.07805314	0.00721633	-0.00721633
COPS7B	0.05188728	0.06545378	0.01100875	0.0078327	0.1018523	0.04829341	-0.06698555	0.06698555
PCBP4	0.03945179	0.05270008	-0.05984072	-0.05250151	-0.03531716	-0.03986145	0.05138929	-0.05138929
SPOCD1	0.04516762	-0.0107579	0.01323139	-0.00629007	0.00851768	0.03262713	0.2003701	-0.2003701
DIRAS3	-0.06043813	-0.08037392	0.01215868	0.06713489	0.00080997	0.04718706	0.2205143	-0.2205143
SOWAHC	-0.04812212	0.0308793	0.01659245	0.04714416	-0.035311	0.03402001	-0.125449	0.125449
SCAPER	0.1352752	-0.08267325	0.08506516	0.01740991	0.0107162	-0.00590724	0.03550686	-0.03550686
NFKB1B	-0.06860735	0.05448918	-0.05674541	-0.04180416	-0.00912798	0.00635859	-0.03646083	0.03646083
MID2	-0.0218684	-0.1185835	0.09926689	0.00647676	-0.00209897	0.0294313	0.3270771	-0.3270771
RIDA	0.00152109	0.04204033	-0.1001992	-0.02161447	-0.02008048	-0.06303561	-0.2962384	0.2962384
NOXA1	0.05734234	0.1380978	-0.07742712	-0.07739181	0.08174609	-0.06335111	-0.1729199	0.1729199
DUS2	-0.03577344	0.1125241	0.01292683	-0.03937873	0.1067228	0.03482713	-0.2074228	0.2074228
ADAMTSL3	-0.01678119	-0.1608539	0.1631805	0.1028517	0.07778973	0.03952479	0.3934311	-0.3934311
OAZ1	-0.03648123	-0.0122706	0.02142604	-0.02388322	-0.01665836	0.00688164	0.06840118	-0.06840118
HIST1H2BG	-0.06645791	-0.0671605	-0.06036614	0.0141143	-0.02345243	0.04887222	0.02374203	-0.02374203
AIFM2	-0.06638759	0.05807953	-0.06492979	-0.04373133	-0.09035197	-0.0173282	-0.1361586	0.1361586
NBPF26	0.07653678	-0.00999158	0.06155534	0.1146092	0.05409845	0.09197011	0.1032928	-0.1032928
BRICD5	0.06577743	0.03715262	0.03363439	0.06828463	0.05585045	0.06567685	-0.03831118	0.03831118
WSB2	0.01117452	-0.05126132	-0.07195552	0.00417592	-0.00284633	0.00029422	0.03197296	-0.03197296
NMT2	-0.03653138	-0.05602003	0.146118	0.05674582	0.04617383	0.02461217	-0.02031874	0.02031874
FAM234B	0.01698804	-0.04378999	0.08753324	-0.01126355	0.00564501	0.09824449	0.03079394	-0.03079394
SYCP2	0.04023603	0.02181589	-0.1020285	-0.1089694	0.06874001	-0.06227892	0.00324352	-0.00324352
FTCDNL1	-0.08264321	-0.03549498	0.06090493	-0.02874387	-0.00305956	0.03750492	-0.04222192	0.04222192
ZNHIT1	-0.0081401	0.04812783	-0.09419504	0.00607592	-0.00807498	-0.0499441	-0.02059056	0.02059056
SHF	0.03937431	-0.08908263	-0.04798783	0.0176513	0.03407198	-0.06370027	0.210366	-0.210366
PTPRJ	0.01455749	0.06349536	0.06220433	0.00644213	0.04067439	0.08432658	-0.120467	0.120467
BLOC1S2	-0.02191577	0.05678538	0.08291475	0.00975599	-0.01753485	0.00665298	-0.08314935	0.08314935
SIGLEC12	-0.0449371	0.1453152	0.06343937	-0.03110118	-0.01850694	0.02808845	-0.00031757	0.00031757
TLN1	-0.02301459	-0.1207801	0.127987	0.08240006	0.03769973	0.05436277	0.3645297	-0.3645297

TTC21B	0.02089012	0.04719689	0.1492712	0.03197438	-0.0002329	0.03023165	-0.06229217	0.06229217
CPXM1	0.02880196	-0.1014853	0.06625958	0.05384367	-0.03581998	0.01956062	0.4545441	-0.4545441
ARL13B	-0.03118312	0.02619302	0.1119749	0.05483547	-0.02372811	0.08977102	0.1110748	-0.1110748
PDPK1	0.06747948	0.04147376	0.08765564	0.03731399	0.07192317	0.05711709	-0.08282585	0.08282585
NPRL2	-0.1283539	0.1387211	-0.06299821	-0.05764346	-0.02606039	-0.04913501	-0.2582666	0.2582666
TLR7	-0.01249903	-0.08335372	0.2354846	0.1543103	0.1075089	0.05616615	0.2961528	-0.2961528
P2RX1	-0.07006836	0.07086411	0.07368415	-0.04190934	-0.01619521	0.02387337	-1.63E-06	1.63E-06
CAVIN2	0.04059305	-0.2364953	0.07502505	0.04843974	-0.00740909	-0.00810484	0.1933432	-0.1933432
OTUD7B	0.01525146	-0.01928588	0.07935549	0.01941128	0.03636285	0.02368934	0.02120827	-0.02120827
HBS1L	0.00690876	0.08012055	0.07900936	0.04637839	0.03011355	0.09457133	-0.165601	0.165601
ZNF302	0.02323884	0.03449506	0.04165495	0.03923846	0.01269651	0.04627591	-0.01002049	0.01002049
TMX2	0.0058504	0.1057666	-0.0253088	-0.00490686	-0.05212273	-0.0046793	-0.2216335	0.2216335
WARS2	-0.02401921	0.05922451	-0.00682936	0.04468943	-0.02929889	0.03565997	-0.2318972	0.2318972
PTAR1	-0.01241594	0.04464792	0.01034878	0.05268882	-0.03141958	-0.00052076	-0.04280793	0.04280793
STXBP4	0.05834295	-0.03078349	0.07967805	0.00434673	-0.00272521	0.01110724	0.05046721	-0.05046721
C5orf30	-0.04134782	0.1836883	0.07732369	0.01241818	-0.03158929	-0.02515342	-0.2612175	0.2612175
UBAP1L	0.04411865	-0.03042324	0.1090398	0.09379811	0.04426904	0.09194132	0.1116978	-0.1116978
MRRF	-0.00353582	0.1196324	0.02555492	0.00973816	-0.01642471	0.08402573	-0.211607	0.211607
CYYR1	0.03696033	-0.1167944	0.1892342	0.06936286	0.04922597	0.0238922	0.4174575	-0.4174575
DCBLD2	-0.03267641	-0.02323515	0.08767775	0.06246762	0.03738158	0.05318126	0.2259035	-0.2259035
BCL2L15	0.07685946	0.00592839	-0.00918643	-0.01518379	0.00844006	0.00145395	-0.2383511	0.2383511
ZNF428	-0.00130118	-0.05800096	0.05182576	-0.07350837	0.01613211	-0.01172541	0.2236357	-0.2236357
CNTD2	-0.04239344	0.0346455	0.00960808	-0.119089	0.00999534	-0.01767202	-0.09313796	0.09313796
CEP72	0.06237726	0.06173223	-0.01017638	-0.08250235	-0.00902943	0.01324546	-0.05401555	0.05401555
FBXW8	0.02351759	-0.02086937	0.07116446	0.08011713	0.06353362	0.0794709	0.05753079	-0.05753079
ARHGEF12	0.07234132	0.02772429	0.1235074	0.07607988	0.00258357	0.08802485	-0.05449019	0.05449019
GNB1L	-0.02971705	0.09445888	-0.02785545	-0.1372287	0.03927115	-0.02079224	0.01985635	-0.01985635
CASP8AP2	0.00296239	0.04442455	0.1437746	0.03928317	0.03950898	0.09222115	-0.1135961	0.1135961
PIIB	-0.06333515	0.1149299	0.05759295	0.05458948	-0.0172128	-0.00403088	-0.04163299	0.04163299
DHRS11	0.0770288	0.00657758	-0.06986714	-0.0187196	0.03511169	-0.04507286	-0.2167476	0.2167476
B3GNT9	0.03415224	-0.04149775	0.01476303	0.06730916	0.00530906	0.01728379	0.3394286	-0.3394286
SLC9A4	0.02770151	-0.1493755	-0.01875986	4.14E-05	-0.00966404	-0.01673665	-0.1287237	0.1287237
LSM11	-0.01451875	-0.02176592	0.140004	0.0706105	-0.00736793	0.08064493	0.05892314	-0.05892314
TRMT12	0.0042998	0.02796415	-0.02152605	-0.00550704	0.00151364	0.03706178	-0.03742309	0.03742309
NOL7	-0.1405184	0.06617798	0.09496537	-0.03089741	0.01710505	0.06731471	-0.1241492	0.1241492
SWAP70	-0.03342839	-0.01337743	0.1023079	0.05955122	0.00755952	0.0581265	0.1059051	-0.1059051
PPM1D	-0.02650181	0.06777044	0.04818734	-0.00883301	0.03199486	-0.00449775	-0.1015427	0.1015427
TSPAN11	0.06926888	-0.1092121	0.02373109	0.02298557	0.00410094	-0.0225444	0.3630116	-0.3630116
STK32C	-0.1312004	0.05278839	0.03731394	-0.09369265	0.02986364	0.01963764	-0.05269049	0.05269049
MRPL28	-0.03864636	-0.04172065	-0.0303806	-0.02170991	0.02430634	0.01719075	0.01523278	-0.01523278
NINJ2	0.03122979	0.04266668	-0.01798092	-0.06759624	-0.01680663	-0.06860735	0.1501335	-0.1501335
TMEM54	-0.03319431	0.1523327	-0.1547708	-0.09153698	-0.04160367	-0.08237797	-0.1995194	0.1995194
LAD1	0.00826206	-0.00400777	-0.06291942	-0.01756201	0.0412538	0.01250145	-0.2478662	0.2478662
NRG4	0.02455411	-0.02009774	-0.1084588	0.08737877	-0.07742504	-0.03289775	-0.1584606	0.1584606
LRRC59	-0.05083695	0.1392393	-0.02467994	0.02336814	0.03913208	0.06277685	-0.2333618	0.2333618
NUP205	-0.00752272	0.108248	0.05726386	0.00809748	0.0470844	0.08301701	-0.2426382	0.2426382
SLC39A7	0.02674117	0.126348	-0.04301667	0.01962175	-0.03139105	-0.02883379	-0.115226	0.115226
YLPM1	0.02953673	-0.00939405	0.09928152	0.08408182	0.03736896	0.1196812	-0.00385731	0.00385731
TRHDE	0.1148333	-0.06094305	0.02464139	0.05099249	-0.04198928	0.00578438	0.02874967	-0.02874967
NRAS	-0.00537942	0.07704525	0.08274567	0.07326042	-0.02222312	0.04895468	-0.1577813	0.1577813
RFC4	-0.04818368	0.04997239	0.03376762	-0.03524533	0.01739436	0.03358026	-0.2397669	0.2397669
CA9	-0.07190763	-0.04629462	-0.1062972	0.02583174	-0.02613196	0.05016262	-0.1188232	0.1188232
FMNL3	-0.02398485	-0.07844171	0.1429543	0.06157	0.02438973	0.09902141	0.3705724	-0.3705724
MRPL15	-0.05916604	0.1342408	-0.03778505	-0.06868737	-0.04153977	-0.04334105	-0.2409294	0.2409294
OGFOD3	0.07371531	0.03389462	-0.02151714	-0.02510598	0.00843805	0.01403928	0.0354908	-0.0354908
ZSWIM9	0.02479911	-0.1046869	0.088022	-0.02193108	0.1162193	0.06389663	0.2946125	-0.2946125
IL1B	0.05905415	0.05277357	-0.1188858	-0.02016282	-0.04706454	-0.0247877	-0.06757796	0.06757796
SLCO3A1	0.1060232	0.05597908	-0.07818604	-0.1030404	0.00087926	-0.03087249	0.1207175	-0.1207175
PRRC2C	0.07318274	-0.00202743	0.1695145	0.1133663	0.04874995	0.1562449	-0.1350302	0.1350302
ADH5	0.00641168	-0.01238811	0.1548335	0.1801757	0.01643929	0.04477454	0.07136565	-0.07136565
TNFAIP6	0.02750423	0.06550574	-0.01783423	-0.06587412	-0.03190925	-0.09000892	0.2372787	-0.2372787

ACSL1	0.07326079	0.01945459	-0.01343537	0.00388622	-0.00909077	-0.01026179	0.0621953	-0.0621953
ZNF747	0.07017086	-0.06815441	0.02892803	0.0495908	0.09959849	0.01197205	0.1002089	-0.1002089
KLHL36	0.07098825	-0.01249875	0.08321681	0.1293402	0.1040203	0.08079213	0.04928482	-0.04928482
COL4A5	-0.00921839	-0.04364312	0.0069788	0.02355948	-0.02859286	-0.05230145	0.2118806	-0.2118806
MOCS1	-0.05075511	-0.01160873	-0.07207317	0.05078263	0.00838158	0.00789231	0.1128082	-0.1128082
FOXA1	-0.05166057	0.06202394	-0.1092379	0.02759965	0.04110564	0.00194343	-0.2263843	0.2263843
PLEKHF1	-0.06389187	-0.05928154	0.0007734	-0.06517681	-0.03460781	-0.00523879	0.08110391	-0.08110391
PSMF1	0.04815191	0.1084371	-0.01070342	-0.06464566	-0.05816669	-0.01777485	-0.08177343	0.08177343
B3GALT4	0.05915632	0.02399695	-0.0116082	0.02741983	0.02653691	-0.04653091	0.1477366	-0.1477366
SELENOI	-0.03088036	0.1279554	0.06665235	0.068181	0.01140665	0.08056949	-0.3646252	0.3646252
MTCH1	0.05083621	0.04136397	-0.09222059	-0.01191519	-0.02020098	-0.04227529	-0.0371503	0.0371503
DPYD	-0.08932383	0.01713617	0.09749003	0.02591792	0.07250218	-0.01975567	0.1225917	-0.1225917
ELOF1	-0.097049	-0.06333822	-0.0676457	-0.142481	-0.05313829	-0.06449273	0.0320923	-0.0320923
CXCR3	-0.05328649	0.00380508	0.1150724	-0.03161158	-0.00507048	0.03601496	0.2086007	-0.2086007
ZNF112	-0.02935356	-0.1085152	0.08336516	-0.04562253	0.00165928	0.04054856	-0.05181172	0.05181172
PITHD1	-0.02491312	-0.00871144	-0.05036127	-0.03993564	0.02734899	0.02485666	-0.1581051	0.1581051
AGBL2	0.00734616	-0.01439672	0.01663543	-0.03604529	0.01054345	0.02300886	-0.0411426	0.0411426
GPR137	-0.01178026	0.01423126	-0.09626062	-0.1203546	-0.03901742	-0.03157605	0.00158895	-0.00158895
MTMR6	-0.00236935	-0.01818238	0.2408081	0.04732438	-0.02564009	0.1027355	-0.00771252	0.00771252
TSPO2	0.08041176	-0.01531099	-0.05977081	-0.02818837	-0.04071957	-0.03298112	-0.1400528	0.1400528
TSSK3	0.07220241	-0.00845328	0.04947891	0.04108076	0.05221389	0.00426859	-0.06269277	0.06269277
TNFRSF10A	-0.0838888	0.08348293	0.03953164	-0.06691985	-0.040122	-0.04314516	-0.1387375	0.1387375
PTDSS1	0.01891318	0.1340765	-0.01969906	-0.02284455	-0.00831638	-0.03087072	-0.1419875	0.1419875
AGR2	-0.043668	0.07225502	0.00192379	0.05848686	-0.05752085	0.00936976	-0.2774874	0.2774874
ERLEC1	0.06258941	0.1543316	0.1008925	0.1071162	-0.03587022	0.03169277	-0.06731291	0.06731291
AGRN	0.1127407	0.03067675	0.09383362	0.1516715	0.05527583	0.1946359	0.03514533	-0.03514533
FXYD1	-0.01227434	-0.2033137	0.06952624	0.06371014	0.01473224	0.00475639	0.4276361	-0.4276361
PPP2R5A	0.01916018	-0.02241185	0.07002442	-0.00501218	0.01394961	-0.01693453	-0.2238591	0.2238591
CDC14B	0.0854916	0.02270394	0.12781	0.02552555	-0.01247383	0.03872005	-0.191554	0.191554
GALT	-0.09822002	0.08297357	-0.05683637	-0.00864987	0.07881818	0.09824418	-0.1388793	0.1388793
ARMCX6	0.0108365	-0.04000644	0.06261063	-0.01948372	-0.00093202	-0.01747135	0.1373932	-0.1373932
PHACTR4	0.07745592	-0.03255424	0.05955719	0.0604367	0.06595864	0.08154503	-0.1080736	0.1080736
ANOS1	0.00474215	0.03219351	0.1830602	0.03505467	0.03083677	0.04329555	0.3591335	-0.3591335
SCNN1B	0.03750441	-0.106563	-0.1722075	-0.09313132	-0.02664453	-0.100984	-0.07403898	0.07403898
SRGAP2B	0.00531525	0.00025991	0.03830627	0.01684886	-0.01576307	-0.00365823	0.1318607	-0.1318607
CLN5	0.08344829	-0.02845485	0.09316717	0.04200278	-0.03294343	0.03325855	0.1155671	-0.1155671
ELF1	0.07803716	0.04100289	0.1413194	0.0887398	0.03475676	0.1425414	-0.1071321	0.1071321
TSFM	-0.07694394	0.07205997	0.1077403	0.01433173	-0.04326662	0.07120151	-0.1447522	0.1447522
KANSL2	0.03461896	0.0253131	0.07747063	0.01496319	0.02336726	0.1210188	-0.112908	0.112908
TRABD	-0.1391045	0.09035924	-0.01931427	-0.03096935	-0.01226557	0.00271478	-0.2152893	0.2152893
ZDHHC16	-0.00183611	-0.04920745	-0.07651767	-0.03219775	-0.01328917	0.05287832	-0.08001711	0.08001711
ZFPM2	-0.03276375	-0.1801528	0.1141725	0.05716033	0.0317734	-0.03070058	0.5375685	-0.5375685
RAB11B	0.016725	0.00774525	-0.1037992	-0.0913851	-0.02890227	-0.1055198	0.1919113	-0.1919113
USP38	-0.01846703	-0.00162317	0.150813	0.04455822	0.05737449	0.1094984	-0.1214647	0.1214647
MBTD1	0.1138809	0.05006177	0.03108679	0.1107052	0.06077154	0.05653215	-0.1380883	0.1380883
COPZ1	-0.0176926	0.01596031	0.00311472	0.00113977	-0.00282869	0.03185485	-0.1209949	0.1209949
FAM214B	-0.0347937	0.02924025	0.00097428	-0.01593434	0.00449244	0.06962034	-0.01768076	0.01768076
FITM1	0.05299118	-0.04569018	0.02332904	-0.04474954	-0.00057147	-0.01455187	-0.08229161	0.08229161
PRRG2	0.05166799	0.01640975	-0.1807488	-0.03785431	-0.05561921	-0.05274162	-0.1759083	0.1759083
DPEP1	0.04422851	0.04158954	-0.0170558	-0.02339025	-0.02570743	0.02814767	-0.02942768	0.02942768
HSD17B2	-0.09969536	0.02241211	0.07767949	0.1353626	0.02135754	0.05654051	-0.2132686	0.2132686
KCNK5	0.08508188	0.03962402	-0.05451939	0.02195605	0.00531985	0.02401822	-0.2071206	0.2071206
SARS	0.03659415	0.09861474	-0.00468705	-0.06243042	0.0168441	0.02306146	-0.1405906	0.1405906
MYL5	-0.01547291	0.05464025	-0.02140853	-0.01388239	-0.03973694	0.02307519	-0.08165244	0.08165244
PTPN6	-0.06023587	0.01930993	0.01371502	-0.03233137	-0.02905974	0.02720974	-0.01000022	0.01000022
HTATIP2	0.00291864	0.1236714	0.02626897	0.03386005	-0.04947309	0.1189128	-0.1976805	0.1976805
PTH1R	-0.07462615	-0.2016975	0.1065057	0.08388613	0.05585315	0.01335024	0.4252276	-0.4252276
MEFV	-0.01127813	0.06050561	0.07947901	0.03639737	-0.01342652	0.02710519	0.115663	-0.115663
RPP30	0.00094697	-0.107646	0.06382849	-0.01337533	-0.01887829	0.02185111	0.07345213	-0.07345213
FBXO21	0.04439512	-0.07133848	0.01789979	-0.0298057	-0.03422985	0.06921221	-0.04782322	0.04782322
RASSF5	0.00647692	-0.1053648	0.03344624	0.05589342	0.03725896	0.06541094	0.1026937	-0.1026937

CSF3	0.0616555	0.01690799	-0.00776087	-0.00343212	-0.03923702	0.01378432	0.0432071	-0.0432071
RPS6KL1	0.01355245	0.1250048	0.02177103	-0.02727777	0.1145406	-0.0204134	-0.1274025	0.1274025
AFAP1	0.08447477	-0.05664567	0.1337038	0.06306721	0.0486242	0.03920447	0.4412894	-0.4412894
TRDMT1	0.08341486	0.00179504	0.09955442	0.04947443	0.01047949	0.07681947	-0.00071401	0.00071401
ZNF141	0.00529334	0.00723455	0.02996356	0.00886166	-0.00120198	-0.00644353	-0.01687544	0.01687544
SLC39A3	-0.00379324	0.03842437	-0.03232537	-0.1507229	-0.01675171	-0.0676845	0.03394956	-0.03394956
TRMT1	0.00677249	0.04950981	-0.03958886	-0.05489717	0.06292966	-0.017173	-0.1520932	0.1520932
KLF2	-0.08234361	-0.04396647	0.07661002	0.04596741	-0.02878953	-0.00024399	0.1666837	-0.1666837
RAB2B	-0.02938012	0.0006581	0.1353716	-0.0158372	0.00157505	0.06537634	0.3065854	-0.3065854
DYRK1B	0.01718768	-0.03889682	-0.1014665	-0.00955272	-0.03585846	-0.00720124	0.122637	-0.122637
RAD54B	-0.0211792	0.09663931	0.03509733	-0.03592982	-0.00743363	0.0011593	-0.3064377	0.3064377
KNL1	-0.01355667	0.08116411	0.1043845	0.01692265	-0.05188881	0.09474436	-0.2938206	0.2938206
CEP44	0.06525593	0.02293696	0.1346311	0.1172418	-0.00955679	0.1076421	-0.05927785	0.05927785
TRIM40	-0.09798078	0.02589162	0.0201784	-0.00990166	0.00074743	0.0939282	-0.2207814	0.2207814
CCNA2	-0.07000624	0.07266959	0.00930004	0.0011226	-0.03824244	0.05166675	-0.3160746	0.3160746
PCDHB7	0.0197015	-0.04678055	0.1193152	-0.00437801	0.01518923	0.02968264	0.3750969	-0.3750969
JCAD	-0.08331481	-0.01566385	0.00016224	-0.02146228	-0.00901019	-0.04497133	0.1154555	-0.1154555
TRUB2	-0.07418738	0.06398369	-0.04212062	-0.07125696	-0.01250971	-0.03048158	-0.1382883	0.1382883
WIPF3	-0.06256778	-0.06695965	0.09136671	0.01303882	-0.01788531	0.05506129	0.02176107	-0.02176107
TMEM256	-0.08443966	-0.04063774	-0.04109363	0.02832337	-0.04345034	0.0338137	0.0015048	-0.0015048
AJUBA	0.04453669	0.05836098	0.07809421	0.05867285	0.03888705	0.1451392	-0.02783049	0.02783049
SHOC2	-0.02383977	0.02590558	0.1306331	0.00910822	-0.02631527	0.0626991	-0.0162598	0.0162598
FGFR3	0.07449935	0.03487279	-0.06968165	0.0235336	-0.01856792	0.00905962	-0.05723331	0.05723331
C12orf74	0.08196768	0.01424061	0.07873553	-0.01132736	-0.00676278	0.02486266	-0.04450424	0.04450424
SREBF1	0.01964686	0.1534394	0.05922065	-0.06304239	-0.01439563	0.07440938	-0.1042564	0.1042564
UHRF1	-0.0508745	0.02285577	0.05561826	-0.03489557	0.03312456	0.0681252	-0.1368924	0.1368924
CSAG1	-0.1015992	0.1151287	-0.1184401	-0.08371517	-0.0171108	-0.06605708	-0.0985216	0.0985216
GZMM	-0.05169099	-0.05154657	0.1218852	0.01557746	0.01591167	0.04026252	0.217683	-0.217683
EGFL8	0.08220753	0.0248108	0.08082148	0.06996698	0.03240026	0.07418165	-0.01795934	0.01795934
FLNC	-0.05171718	-0.1492055	0.08129636	0.00235504	-0.0055877	-0.02496483	0.3027162	-0.3027162
C1QBP	-0.1520973	0.1183675	0.09287634	0.01476144	-0.03639631	0.05417609	-0.2435334	0.2435334
RPA2	-0.05989477	0.01672622	0.06113362	-0.00998675	0.03558714	0.03215344	-0.07136366	0.07136366
FKBP11	-0.01105819	0.1175774	0.0388284	0.1424308	0.01517695	0.1349976	-0.06968144	0.06968144
OVOL3	-0.05876961	0.02586592	-0.03055528	-0.05186184	-0.01992503	-0.00064053	-0.04951253	0.04951253
TMEM106A	0.08722578	0.03241759	0.1696626	0.1318548	0.0650695	0.06869284	0.1103792	-0.1103792
TMED4	0.02519169	0.07103216	0.07397232	0.02870426	-0.00775528	0.00641419	-0.1223693	0.1223693
BOD1L1	0.05821369	-0.02929672	0.1907478	0.1210885	0.04033336	0.1432873	0.1089827	-0.1089827
MAOA	0.03335223	0.02884982	-0.04911676	-0.02896471	0.07377017	-0.04785082	-0.1139737	0.1139737
SLC9A3	0.00934225	0.02948948	0.03386898	-0.07880478	-0.01540184	0.02793453	-0.1433095	0.1433095
PPP1R37	0.03507933	0.05443883	-0.1117713	-0.05019048	0.0128154	-0.02442214	-0.09130358	0.09130358
RPL10	-0.02755158	-0.01873764	0.01633692	-0.00482087	-0.0452726	0.04075935	0.09230977	-0.09230977
PRR4	0.03338762	-0.0045555	-0.1239055	-0.06184861	-0.0195094	-0.06417854	-0.07713724	0.07713724
KDM1A	-0.03483727	0.06645505	0.06509816	0.05614101	0.03298525	0.09762554	-0.1572961	0.1572961
CUX1	-0.00571897	-0.00056101	0.06280729	0.0585684	-0.00045115	0.06354422	0.1003382	-0.1003382
HIST1H2BF	-0.04851761	-0.09471825	-0.01011088	-0.00281626	-0.05352095	0.0321717	0.01954268	-0.01954268
ATXN2	0.01405448	-0.06862312	0.149954	0.04700478	0.02084668	0.1233348	0.03589245	-0.03589245
SMIM12	-0.07133995	0.01163805	-0.00738472	-0.04849225	0.05200679	-0.04331664	-0.0219424	0.0219424
IGFBPL1	0.04163265	0.03298029	-0.06618358	-0.08772065	-0.03939458	-0.0635017	0.01190655	-0.01190655
RPS13	-0.06147224	0.00699722	0.113389	0.07625453	-0.07726807	0.08427512	-0.08153543	0.08153543
FKBP1C	-0.05691128	-0.02923293	-0.08396837	-0.1031473	0.01781873	-0.06507833	0.1369911	-0.1369911
TRIM39	0.02919522	0.1108415	0.0645678	0.08841867	-0.00450717	0.03426479	-0.06626569	0.06626569
SUV39H2	0.00239942	0.06017473	0.0660337	0.00913097	0.01847997	0.06941439	-0.2429747	0.2429747
CUL5	-0.0190599	0.03392859	0.1508025	0.07265109	-0.04851217	0.08414523	-0.09129948	0.09129948
C11orf91	0.00323361	0.05924301	0.02922276	0.09361911	-0.00609921	0.09959699	0.06667394	-0.06667394
ZFAT	0.04746642	-0.0169354	0.00412335	0.03782529	-0.02250827	0.0872859	-0.01697894	0.01697894
DRD4	-0.00547453	-0.00570272	0.03145354	0.08072766	0.07190597	0.06920529	0.1132299	-0.1132299
CHAF1B	-0.00170955	0.03253499	0.0299014	-0.06562483	0.01974479	0.03119254	-0.2489887	0.2489887
EXT2	0.04341741	0.02627744	0.1138294	0.03860189	0.01442048	0.06983535	0.02446736	-0.02446736
CTSS	0.02710077	0.1332734	0.1657732	0.07098977	0.02099926	0.02923397	-0.05928729	0.05928729
DNAL1	0.02153556	-0.1061578	0.1517082	0.07897684	0.04908393	0.09419607	0.2142531	-0.2142531
ENOSF1	0.07464854	0.1029529	0.00993064	0.07145892	-0.02959954	0.02707337	-0.2292965	0.2292965

ZFP36L2	0.06657907	0.01948974	0.1618729	0.06752103	0.1125389	0.08945959	-0.04206612	0.04206612
JRK	0.1111503	0.05710725	-0.0134038	0.07208174	0.07829605	0.08547332	-0.08485575	0.08485575
B3GNT7	0.06121378	-0.00867951	-0.1332977	0.04228195	-0.08036837	-0.00865133	-0.1018234	0.1018234
BCL10	-0.06348178	0.1105965	0.01210897	0.00347094	-0.02806823	0.03387736	-0.2579439	0.2579439
ISG20	-0.01736428	0.05197141	0.00496853	0.00351089	0.06522316	0.06694905	-0.02588574	0.02588574
EMC6	-0.01246278	0.1264151	-0.08665613	-0.07074785	-0.0654703	-0.02286194	-0.06006996	0.06006996
WDR48	-0.07722086	0.07432727	0.1131047	0.03757177	-0.00946673	0.03405158	0.00864397	-0.00864397
NPC1L1	0.07692095	-0.04488856	-0.04927443	0.02155979	0.02271473	0.00710222	-0.1314333	0.1314333
MYO5A	0.04553257	-0.08168159	0.09937953	0.1000646	0.01990534	0.06478294	0.1893967	-0.1893967
DCLRE1C	0.05662342	0.08971855	0.08271593	0.00920425	0.01826451	0.04346438	-0.1144938	0.1144938
RPL36	-0.06333704	-0.01336552	0.04815084	-0.05686356	-0.05419244	0.05261211	0.04704318	-0.04704318
EIF1AD	-0.04491857	0.05458071	0.0503356	-0.0342682	0.02223983	0.07946054	-0.06394768	0.06394768
ABCC5	0.08802618	-0.03130644	-0.01537066	0.01925832	-0.03057162	-0.01461375	-0.10378	0.10378
AKIRIN1	-0.03876367	-0.04770145	0.05936742	0.07118496	-0.03945122	0.04371109	-0.00430698	0.00430698
TERF1	0.02770857	0.00737805	0.00531563	-0.03254774	-0.1159738	-0.03577494	-0.06589725	0.06589725
OLFML1	0.01654207	-0.1562326	0.2011409	0.1047463	0.01190275	0.01192463	0.6071313	-0.6071313
FAM49A	-0.00050583	-0.04479666	0.1794997	0.1267665	0.0637574	0.03345083	0.3334571	-0.3334571
CERK	0.01838392	-0.02784815	0.00767221	0.0167724	0.0430308	0.00825568	0.06422368	-0.06422368
ARHGDI6	-0.00581589	-0.01093786	0.04932684	0.04208706	0.03064934	0.1034901	0.01422402	-0.01422402
ANKZF1	0.01888468	0.09312906	-0.03246918	0.00842378	0.06585393	0.05659774	-0.2072238	0.2072238
PPM1K	-0.0651468	-0.1185934	0.1443808	0.1067135	0.0370126	0.07927949	0.294317	-0.294317
SENP5	0.00599923	0.01860692	0.169703	0.06333769	0.01289477	0.1166713	-0.01155808	0.01155808
ADAM23	-0.01379912	-0.02342003	-0.02882524	-0.01523273	-0.01111499	-0.1115008	0.2015061	-0.2015061
ACOT1	-0.01706281	-0.04990784	0.03566462	0.07071049	0.06295061	0.02234049	0.158694	-0.158694
POLA1	0.03556181	0.04398882	0.07180946	-0.00844441	0.01636268	0.09449134	-0.1644274	0.1644274
LOXL4	0.09237204	-0.02817917	0.04254368	0.04236384	-0.00705154	0.09858768	0.241255	-0.241255
TMEM167B	0.05459898	0.00755372	0.1644082	0.1113011	0.00520607	0.07567252	-0.01533863	0.01533863
HPCAL1	0.0859206	-0.0030536	-0.09600816	0.02122678	0.00606381	-0.00896023	-0.05208741	0.05208741
IRF3	-0.06779877	0.07483302	-0.03398603	0.01996717	0.01887329	0.03064009	-0.04104958	0.04104958
ITPR3	0.05630927	0.0722467	0.06407377	0.1068478	0.0229532	0.1087802	-0.276649	0.276649
MRPL58	-0.08815859	0.04845655	0.00238526	-0.03604647	0.1083448	0.01126445	-0.131745	0.131745
PRDM4	0.03855496	0.02615083	0.04816567	-0.01544519	0.01516379	0.07228044	-0.09435232	0.09435232
GLTPD2	-0.00970375	-0.04836632	0.00788294	0.02501275	-0.02803092	0.05225212	-0.06782692	0.06782692
SMUG1	0.04879376	-0.03955062	-0.01597978	-0.02317398	-0.01750599	0.05502054	-0.1439515	0.1439515
PCDH7	0.04090653	-0.2192048	0.1607972	0.0814322	0.03233425	0.07504234	0.3277321	-0.3277321
ASPRV1	-0.04887325	-0.01660199	0.01280109	-0.0412565	-0.06012678	-0.00843623	-0.07270768	0.07270768
ROGDI	0.113018	-0.1016179	-0.1040076	-0.00402332	-0.02926714	-0.03209188	0.1094449	-0.1094449
MRM3	-0.1008567	0.1208781	0.00130509	-0.06319094	-0.02525243	-0.02757349	-0.1508305	0.1508305
TRIP13	-0.05906064	0.09788882	-0.04007798	-0.04867055	0.01333512	0.01861324	-0.2331994	0.2331994
C1orf131	0.02746359	0.05579485	0.07915035	0.00114856	0.01232017	0.02788689	-0.2819925	0.2819925
OCLN	0.05084804	0.07512046	0.05271398	0.01511977	0.0231317	0.07018653	-0.2123857	0.2123857
LRRFIP2	-0.06548637	0.05657263	0.0078889	-0.02728972	-0.03285709	-0.02473338	0.03933695	-0.03933695
SEL1L	0.00547016	0.08532093	0.1920291	0.1322494	0.03603844	0.1316353	-0.05103732	0.05103732
GATA5	-0.07636413	-0.0266462	0.07670056	0.03078828	-0.02215206	0.05005462	-0.06721677	0.06721677
ZNF746	0.00755047	0.04928164	0.06579744	-0.06318702	0.03949076	0.06227189	-0.04694928	0.04694928
DUSP6	0.04031857	0.00285634	0.07801417	0.03443339	0.00266199	0.03874401	0.02421787	-0.02421787
PRR14L	-0.00770777	0.05626168	0.08912615	0.02301308	-0.00254668	0.09712284	-0.1781618	0.1781618
SLC38A5	0.05199207	0.03028092	0.0477935	0.09368646	-0.02713509	0.1810649	-0.00366185	0.00366185
SLC38A11	0.03916565	-0.06708583	0.06535565	-0.0102574	-0.02713957	0.04363179	-0.03677212	0.03677212
SLC25A10	0.03871233	0.07602016	-0.1043946	-0.06071854	-0.05302284	-0.01902368	-0.2961703	0.2961703
EEF2K	-0.00847407	0.00737328	0.1277613	0.1120227	0.0280476	0.1046529	-0.04621963	0.04621963
ARL9	-0.09647631	-0.03179399	-0.00874659	0.00962753	0.09773773	0.03043291	0.08009634	-0.08009634
LYN	-0.01300546	0.1464637	0.0614124	-0.01326088	0.00120981	0.00722384	-0.1627765	0.1627765
PITPNC1	-0.02803473	-0.0132308	0.06211072	-0.0203646	0.1297061	0.02380178	0.1328464	-0.1328464
PLCB4	0.14465	0.00914951	0.03435722	0.03564732	0.01164994	-0.06102433	0.01416744	-0.01416744
C2orf15	0.1057238	0.02763725	0.01203319	-0.01437965	0.0126497	0.00816242	-0.2784744	0.2784744
VTN	0.06417126	-0.1001099	-0.05392802	-0.04003317	-0.02123513	-0.04999548	-0.02356115	0.02356115
TAF6	0.03887198	0.02197109	-0.01515077	0.04688918	-0.01922661	0.03536774	-0.05475613	0.05475613
PNKD	0.0007301	0.127562	0.00431958	-0.03162434	-0.02162131	0.00811247	-0.2598532	0.2598532
SMIM30	-0.00928688	0.00168653	0.06944733	0.05721324	0.04969343	-0.03468446	0.02629984	-0.02629984
MAP3K5	-0.01392083	0.1168732	0.09227779	0.01237991	0.0556205	0.02403928	-0.09721742	0.09721742

GJD3	-0.00410108	-0.01330187	0.06344628	0.02632811	0.05955721	0.09393989	-0.00759032	0.00759032
SPATA33	-0.02384378	0.06213259	-0.01427306	-0.05790654	-0.00153746	0.01880638	-0.125391	0.125391
MTHFD2	-0.05436783	0.153952	0.07950918	-0.00474746	-0.02326374	0.06311508	-0.2249462	0.2249462
MLANA	0.02878867	-0.03099719	0.06866636	-0.00081589	-0.00578556	-0.00257337	-0.01462367	0.01462367
RSBN1L	0.03505413	-0.02371589	0.2030993	0.0591841	-0.02741926	0.06957336	0.09043075	-0.09043075
SLC25A13	0.00834692	-0.07055195	0.00898254	0.08663417	-0.0271162	0.01906882	-0.1135434	0.1135434
ANP32A	-0.01038997	0.04759366	-0.01333988	-0.05325225	-0.00466999	0.02221535	-0.1255571	0.1255571
DCAF10	-0.0393766	0.01421623	0.06395329	-0.00314632	-0.02103135	0.06584813	-0.00841113	0.00841113
GPR82	0.00592093	-0.03170759	0.2490282	0.1101218	0.00579776	0.1090709	0.1345455	-0.1345455
ZBTB7B	0.00638346	0.05940145	-0.1540297	-0.04101488	-0.0521974	-0.05178589	-0.2852843	0.2852843
CXorf40B	0.05122069	0.02226259	-0.03073325	0.00702239	-0.00655765	0.00666599	-0.02808561	0.02808561
SH2D1B	0.04494325	0.01923227	-0.1060861	-0.07341466	-0.01716702	-0.06659508	-0.05313396	0.05313396
UBOX5	0.02835997	0.03067961	0.03278514	-0.0291023	-0.01846381	0.01710366	-0.01554801	0.01554801
AP2B1	-0.00293941	0.09968897	0.08176699	0.0327853	0.1676725	0.06604269	-0.1302741	0.1302741
KIAA0355	0.04150101	-0.01095395	0.1209425	0.1172431	0.05175889	0.1016018	0.2246112	-0.2246112
TACR2	-0.04674907	-0.137373	0.08400687	0.00853965	0.01759248	-0.04534829	0.3380872	-0.3380872
ZNF575	-0.01296585	-0.00571818	0.1114011	0.08411318	0.0068939	-0.01575624	0.2134765	-0.2134765
ZNFX1	0.01878323	0.06352051	0.1754134	0.1142952	0.03434433	0.1505534	0.00937826	-0.00937826
FAS	-0.06626844	0.04973234	0.176136	0.03121527	0.04142864	0.05037973	0.07342418	-0.07342418
SRP9	0.03706462	0.02548881	0.104222	0.03236449	-0.01620004	0.04282898	-0.1837271	0.1837271
WDR88	0.08078537	-0.03206004	-0.02951496	0.09839557	0.1208035	0.00510883	-0.04306546	0.04306546
NT5E	0.00107626	0.05761552	0.04882262	0.0934614	0.05057973	0.05358956	-0.02860093	0.02860093
NRARP	-0.05011053	0.1261436	-0.05660888	-0.07580383	0.02421774	-0.02697976	-0.1596828	0.1596828
TESPA1	-0.05816869	-0.1204422	0.1227216	0.06201849	0.05590202	0.05492484	0.1952898	-0.1952898
CELF2	-0.03915066	-0.1011253	0.1588623	0.04109267	0.04401005	-0.0086045	0.3548548	-0.3548548
SNAP47	0.00053068	-0.08512647	0.04167968	-0.00991122	0.03690769	0.02385412	0.0802245	-0.0802245
PIGR	0.03588497	0.04115834	-0.09188712	-0.02900297	-0.07020705	-0.04376929	-0.2008594	0.2008594
ITGA7	-0.0382491	-0.1440185	0.1019456	0.04401091	0.05155972	-0.00530267	0.3686084	-0.3686084
COL6A1	0.03017152	-0.03504579	0.1069123	0.05718293	-0.01061317	0.06163648	0.4884949	-0.4884949
TTC39B	0.06964183	0.06228795	0.1174914	-0.00188383	-0.02265737	0.03745525	-0.06324141	0.06324141
IGSF9	-0.0853529	0.06508174	-0.0413645	-0.02085676	-0.01688421	0.01722485	-0.2418688	0.2418688
PEX11A	0.04576729	0.03640446	-0.1234381	-0.06362535	-0.1069557	-0.02826343	-0.1898954	0.1898954
GPS2	-0.1089189	0.08993116	-0.09724814	-0.00329026	-0.05005346	0.0154519	0.02213511	-0.02213511
TBL3	-0.0494679	0.02485071	0.01567596	-0.02393389	-0.00378572	0.02140697	-0.121648	0.121648
A4GNT	0.0997155	-0.06653579	0.03703729	0.0588796	-0.01726413	-5.80E-05	-0.04093134	0.04093134
CDC42BPG	0.103272	0.09592574	-0.1831514	-0.03330108	0.00938289	-0.02286858	-0.2473559	0.2473559
CDH3	0.01182218	-0.00620047	0.02339688	0.01975908	0.04662601	0.08988729	-0.06176197	0.06176197
PDF	0.04111069	0.0306762	0.03099432	0.00043479	0.05591751	0.06234787	-0.1151409	0.1151409
SEMA4D	0.00669687	0.03089673	0.1096629	0.03558724	0.04208134	0.1126669	-0.05072363	0.05072363
DTYMK	-0.06934282	0.08530227	-0.00304559	-0.0366563	0.01616446	0.04705613	-0.2000476	0.2000476
CDC16	0.03321093	0.03817717	0.09681264	0.05326939	-0.01933436	0.1224525	-0.1426285	0.1426285
RAMAC	-0.02553325	0.00593022	0.00902125	-0.05162623	0.00914243	-0.00346717	0.02369012	-0.02369012
FCHSD1	0.08899079	0.07309484	0.04242345	0.07107949	0.04687661	0.0709243	0.09856659	-0.09856659
BIRC3	-0.02001956	0.04444393	0.06751772	0.00118721	0.03548317	0.04498532	-0.05379938	0.05379938
TRIB3	0.08868986	0.1005576	0.0465953	-0.06096315	0.01833012	0.05880698	-0.06094049	0.06094049
PAX8	0.02459786	0.04446056	0.04754193	0.06895991	-0.00844543	0.1423287	0.00694589	-0.00694589
HIRIP3	-0.04503129	0.01203849	0.02514961	0.00090308	0.09960831	0.020108	-0.00109557	0.00109557
CCS	0.05000945	0.02484159	0.03987046	-0.0231191	0.00182566	0.03795826	0.03602822	-0.03602822
URM1	0.02101867	0.03135638	-0.07748549	-0.07085088	-0.04670017	-0.00642968	-0.06653162	0.06653162
ZNF3	0.04204452	0.04274558	-0.04036938	0.02287192	-0.03620768	0.00907157	-0.1141497	0.1141497
MTFR1L	-0.00261494	-0.0806876	-0.00688636	0.00623692	-0.0081248	-0.06706953	0.1897561	-0.1897561
PHF5A	-0.05828387	0.08526249	0.03056658	-0.1279723	-0.0050672	-0.03308994	-0.1078889	0.1078889
ANKRD24	0.06426305	-0.08747108	0.07691606	-0.06270688	0.0165848	0.03018498	0.00110966	-0.00110966
CCNG2	-0.00634019	-0.01169463	0.07356489	0.03414582	-0.01979552	0.05737658	0.0092806	-0.0092806
DET1	0.05468528	-0.1274938	-0.00931923	0.05698607	-0.01588752	0.05724417	0.06787226	-0.06787226
COX6B2	0.00685119	0.02428384	0.00582012	-0.00353306	0.06923788	0.05656824	0.03723472	-0.03723472
PGC	0.02682619	-0.1525879	-0.09295867	-0.0514459	-0.03309602	-0.05114839	-0.08207045	0.08207045
CD160	0.08393237	-0.06383655	0.107238	-0.0406368	-0.01145204	0.02863005	0.01585875	-0.01585875
FAM83E	0.1211219	0.0986337	-0.07053733	0.00657516	0.00703306	-0.04228418	-0.2060622	0.2060622
LLGL2	0.1037376	0.1329133	-0.07247366	-0.0919538	0.06701778	-0.02402315	-0.2301915	0.2301915
KCNS3	0.02897963	-0.1282098	0.1379844	0.03384131	0.01653645	0.06515538	0.3002346	-0.3002346

SRSF6	0.02199733	0.1361765	0.03208262	0.07492726	0.00823371	0.09150746	-0.2637349	0.2637349
BACE1	0.08425607	-0.1344658	0.08861306	0.05221269	-0.02723091	0.01959733	0.3252763	-0.3252763
CPT1C	-0.07690442	-0.03675226	-0.03195404	-0.05070222	0.01287295	0.03990873	0.2083891	-0.2083891
PPP3CC	-0.02320688	-0.03085207	0.127859	-0.04455025	0.01714358	-0.01451142	0.1871231	-0.1871231
TGFB1	-0.05440928	-0.05849211	0.09673135	0.00350118	0.01767035	0.06035487	0.4865024	-0.4865024
HDGFL2	-0.05313172	0.00577682	0.0377983	-0.08028535	0.00121958	-0.00868506	0.08266188	-0.08266188
RHOD	0.01042328	-0.002047	-0.06417836	0.06512441	0.03414442	0.07141687	0.06871198	-0.06871198
RHPN2	-0.02350388	0.1281941	-0.08450047	0.01194078	0.0176228	-0.01101161	-0.252011	0.252011
CCP110	-0.00835724	0.01800125	0.04874104	-0.01109685	0.01269987	0.02112274	-0.07843035	0.07843035
RPL27A	-0.05259279	-0.02779992	0.1071963	0.04182912	-0.06797307	0.1140911	0.06213843	-0.06213843
ELOVL1	-0.04006505	0.05459547	-0.1168601	-0.02230142	-0.02325647	0.00600144	-0.1479822	0.1479822
ARSI	0.00878261	-0.02602906	-0.06678517	-0.01977826	-0.04391279	-0.03300442	0.3462525	-0.3462525
FAM102B	-0.08427964	0.06231754	0.171233	0.00586955	0.06941429	0.08816465	-0.1150084	0.1150084
DHX38	0.05054814	0.06774457	0.1236413	0.1023232	0.1253421	0.1077908	-0.1116332	0.1116332
PRKD2	0.00512541	0.1001821	0.04125704	0.01087521	0.00337179	0.04923325	-0.04169119	0.04169119
NSD1	0.04739456	0.0076147	0.08318711	0.07464425	0.02231486	0.1491875	-0.04505405	0.04505405
GPR39	-0.01210166	0.1057653	-0.01425649	0.04898169	0.04270345	0.05418417	-0.2200823	0.2200823
PLS1	-0.0433117	0.124688	0.06155202	-0.00037417	-0.03422153	0.02534253	-0.3015625	0.3015625
CSE1L	0.02616992	0.03097709	0.08892161	0.075746	-0.01690017	0.1142792	-0.2415595	0.2415595
UBE2D1	-0.0292458	0.02992517	0.1810444	0.04403996	-0.01034631	0.09926417	0.0172046	-0.0172046
TMEM87A	0.1272015	0.06967563	0.143588	0.05641639	-0.03026949	0.04894343	-0.04990287	0.04990287
HMGA2	0.03934918	-0.01330629	-0.04793916	0.1264605	-0.01926259	0.01706279	0.04877251	-0.04877251
TMEM141	-0.03225095	0.1146828	-0.04375777	-0.09036711	-0.00926059	-0.03453269	-0.1125705	0.1125705
C16orf54	0.00400432	-0.09615832	0.04740766	0.0559257	0.03285245	0.07717441	0.2142473	-0.2142473
CRIP2	0.02282246	-0.04996026	-0.00769695	0.02550439	-0.01199929	0.05714771	0.4177953	-0.4177953
ZNF251	0.03925747	0.06755939	0.06829274	-0.01599191	0.03742688	0.02485738	-0.04543539	0.04543539
CHCHD4	-0.1974973	0.06487042	0.03637336	-0.01869951	0.00928219	0.03783789	-0.1986846	0.1986846
CCDC78	0.03147289	0.0197332	0.1112937	0.08208076	0.0016981	0.1112748	-0.05557052	0.05557052
PEX10	0.03062673	0.00868333	-0.04046373	0.00855574	0.09662696	0.05423825	-0.1135908	0.1135908
NDST2	-0.04056443	-0.00291139	0.1010581	0.09392795	-0.02184706	0.1297439	0.06368956	-0.06368956
WDR92	0.00592804	-0.02911788	0.1171661	0.08180408	0.02531952	0.03598823	0.04043868	-0.04043868
RGS16	-0.02724569	0.1074161	0.08497638	-0.1013418	0.00658288	-0.06588891	0.2329436	-0.2329436
E2F8	-0.00192187	0.09718845	-0.00743484	0.01557661	-0.02032937	0.01813488	-0.3028952	0.3028952
NDUFAB1	-0.05689772	0.05951074	0.05401541	0.03682704	-0.02693161	0.03899461	-0.1693602	0.1693602
FRA10AC1	0.00667116	0.0182117	0.1380911	0.03764137	-0.03242265	0.01300673	0.07210385	-0.07210385
ZNF426	0.01301567	-0.1223211	0.05558378	-0.02190559	0.01838667	0.01786425	0.05618558	-0.05618558
E2F2	-0.09482972	0.10417	-0.03636853	-0.05524644	-0.01541361	0.00999467	-0.2735127	0.2735127
CASK	0.05664105	0.03176865	0.09001336	0.05980593	0.03794527	0.09766426	-0.2182541	0.2182541
PI16	-0.01203016	-0.1212733	0.0380106	-0.0049695	-0.01678609	-0.0338041	0.2503131	-0.2503131
VRK2	-0.04253166	0.0552747	0.1960939	-0.05997598	0.06683649	0.02802315	-0.03347325	0.03347325
TAOK1	0.04332924	0.01710674	0.1714491	0.08514207	0.04972734	0.1119287	0.00909935	-0.00909935
LRRN4	0.03834554	0.06820537	0.04816787	-0.03057406	-0.01359909	0.0023844	0.01388031	-0.01388031
GPLD1	-0.01521299	-0.0919632	0.07157505	0.0365202	0.01018957	0.00912815	0.1852196	-0.1852196
SNAI1	0.00598652	0.03568811	0.03433139	-0.01510084	0.01713696	-0.01597023	0.3022995	-0.3022995
TOMM7	-0.00350911	-0.1090843	0.04775145	0.06779093	0.06239601	0.06170677	0.08992839	-0.08992839
HOXA13	-0.1066122	0.1445077	0.04273123	0.03110547	-0.00028421	-0.00871286	-0.1912027	0.1912027
DOCK6	0.1663233	0.1148626	0.03267065	-0.03220522	0.06910942	0.04482586	-0.0873542	0.0873542
TMEM132A	0.1096769	0.01080685	-0.07638586	-0.01292521	0.0066107	0.01861665	0.08923333	-0.08923333
PHF10	-0.00901961	0.05739785	0.1076982	0.03507406	0.01899154	-0.04043445	0.01576945	-0.01576945
KIF11	-0.03376007	0.04691197	0.03410467	-0.01683627	-0.04424063	0.05724598	-0.2770848	0.2770848
INTS6	0.07977616	0.02994171	0.05358107	0.02082035	-0.03412604	0.080438	-0.1768994	0.1768994
CCDC28A	0.00583635	-0.00865532	0.05641971	0.03030994	0.00428862	0.03793463	-0.09257652	0.09257652
LOXL1	-0.02355503	-0.1508838	0.1258983	0.08617086	-0.04538715	0.07200574	0.540845	-0.540845
EPS8L2	0.0737129	0.08442508	-0.03571921	0.02242638	-0.00449169	0.06532652	-0.1638519	0.1638519
SMIM29	0.0630038	-0.04548252	0.00322082	-0.1188736	-0.03182879	-0.02766323	0.2430622	-0.2430622
PMM1	0.01930758	0.01836926	-0.08132448	-0.03451932	-0.06700002	-0.09894888	0.02999195	-0.02999195
WDR81	0.04453825	0.00832366	0.1059617	0.09999676	0.01537143	0.1002669	0.1478601	-0.1478601
ESYT3	-0.1018316	0.03080623	0.03946129	-0.03300218	-0.06621683	-0.02010817	-0.01968273	0.01968273
COL11A1	-0.02256616	0.04622491	0.09889705	-0.03953463	0.00942454	0.02138444	0.3993994	-0.3993994
PRMT1	-0.08138156	0.05749422	-0.01147745	0.00879318	0.0329671	0.02863487	-0.06867907	0.06867907
TERF2	-0.06789555	0.02104964	0.04957159	-0.01667348	0.05978147	0.06587194	-0.04133198	0.04133198

ATP5ME	-0.03092212	0.02189805	-0.1098793	-0.08763714	-0.1084932	-0.05934521	-0.1169296	0.1169296
CREB3L1	0.01322587	0.147121	-0.07478783	-0.01493587	-0.04853978	-0.0561542	-0.1714121	0.1714121
CCNG1	0.00907315	0.00994131	0.09727577	0.04905302	0.05113404	0.03032692	-0.2223365	0.2223365
MAP3K1	0.06181243	0.03724589	0.116632	0.06611984	0.08283123	0.116553	-0.03365279	0.03365279
NR2F2	0.02802985	-0.1755743	0.07441079	0.1056803	-0.02227194	0.125949	0.3914863	-0.3914863
PEX5	-0.00833773	0.05962636	0.0746221	-0.1143748	0.00172424	0.03103402	-0.1169684	0.1169684
COL4A4	0.04707752	-0.1214986	0.07861745	0.1517728	-0.03237319	0.0428044	0.2736158	-0.2736158
KLRG1	-0.08307048	-0.136826	0.1653656	0.03342259	-0.00573654	0.02497408	0.2741853	-0.2741853
S1PR5	0.02069775	-0.0246497	-0.1311811	-0.04137323	-0.00602533	-0.07128337	0.1005659	-0.1005659
FSTL1	0.04064935	-0.1029655	0.1952644	0.09575184	-0.00766827	-0.01844525	0.5791254	-0.5791254
DNAJC27	0.02086416	-0.01795561	0.09376989	0.1348164	0.03953634	0.04174919	0.04668129	-0.04668129
ACOT11	0.04033514	0.03754419	-0.07773592	0.03012411	-0.03616229	0.02998852	-0.2142792	0.2142792
ZNF134	0.0263401	-0.04090819	0.03562384	0.05299131	0.03002156	-0.00965656	0.1724107	-0.1724107
MPST	-0.04318153	0.09964584	-0.04537018	-0.1047375	-0.01739823	-0.03420829	-0.1721296	0.1721296
OSMR	-0.05693282	-0.0341799	0.09838026	0.03426909	0.05859554	0.02916022	0.251952	-0.251952
LTB4R	0.07486104	0.0131288	-0.06391174	0.0064691	0.04604336	0.02852276	-0.06451222	0.06451222
DUSP14	-0.06824453	0.04557135	0.00081911	-0.00406773	0.03468029	-0.00910092	0.07751404	-0.07751404
PCDHB12	-0.02263012	-0.00435955	0.09049039	0.03935739	0.0254809	-0.00203901	0.3498922	-0.3498922
TMEM60	-0.02531515	0.08957121	0.01618649	-0.07515746	-0.00965237	-0.07640655	0.06897534	-0.06897534
POLL	0.00536059	-0.02294018	-0.03335355	0.00028494	0.02902814	0.0568178	0.05908527	-0.05908527
SPRY3	0.1714708	0.02029523	-0.01920912	0.01361717	-0.0710277	-0.03573433	-0.05846269	0.05846269
SPRR1B	-0.04690364	-0.01524373	-0.07988886	-0.03151418	-0.02923617	-0.01010919	-0.02585122	0.02585122
SPDYE1	0.1169305	-0.0812223	0.09656689	0.0832161	0.07868087	0.02364299	0.1039597	-0.1039597
ASPHD2	-0.0978183	0.08146821	0.04570682	-0.06536253	-0.05805717	-0.05449637	-0.1437651	0.1437651
ZMAT5	-0.06005668	0.00913983	-0.114902	-0.1250602	-0.02079962	-0.1181735	0.08127469	-0.08127469
MARK4	-0.00743743	-0.00447802	-0.01340758	-0.05054036	0.01537561	-0.02169488	0.0793453	-0.0793453
TYRP1	0.0303017	-0.1011745	0.1178432	-0.0280544	-0.03931946	0.0306982	0.2353502	-0.2353502
ZNF438	-0.1267162	0.03105339	0.1326634	0.05160096	0.07000744	0.0346901	0.07780705	-0.07780705
DKK3	0.0557322	-0.09902289	0.1063345	0.00670807	-0.04977456	0.00024836	0.4965128	-0.4965128
NPL	0.05169048	0.04651855	0.1049596	0.01524089	0.0209961	-0.05023965	0.02107196	-0.02107196
AGK	-0.01217272	0.09421097	0.04711672	-0.01522856	0.09580523	0.01969546	-0.120106	0.120106
CCDC86	-0.08127648	0.08692713	0.00457505	-0.05055884	0.07131998	0.04463173	-0.1388667	0.1388667
LRRCS7	0.05234651	0.00744799	0.1191899	-0.01017622	-0.03497888	0.04111066	-0.01783004	0.01783004
FAM168A	0.04430643	-0.0785905	0.08341821	0.01497468	-0.03725787	0.02402	0.2096703	-0.2096703
ARRB1	-0.05699857	0.0081834	-0.03860181	0.0091128	0.04843209	0.0108361	0.00451647	-0.00451647
TAF1B	0.01939624	-0.00059798	0.07095934	0.08108995	0.0127912	0.07695475	-0.0336413	0.0336413
PLEKHH3	0.07350515	0.03104784	-0.04271592	-0.07868961	0.07084278	-0.02261304	0.05607227	-0.05607227
NKX3-1	-0.02858321	0.01804283	-0.1419558	-0.06634996	-0.05494439	-0.1071097	-0.03591487	0.03591487
ZBED6	0.06862337	0.03614563	0.09261132	0.09119418	-0.00811	0.1124355	-0.1007853	0.1007853
CDC14A	0.02088543	-0.02426093	0.1121929	0.02225395	0.02790914	0.04245668	-0.06444864	0.06444864
SGK2	0.01507524	-0.00426867	-0.03569857	0.05919861	-0.01327602	0.03082125	-0.1998716	0.1998716
MAPK8IP2	-0.05266149	-0.03903222	-0.01479694	0.04046536	-0.03312606	0.0385382	-0.01074462	0.01074462
FBLIM1	0.04296246	0.07910501	-0.01218061	0.00155569	0.05015289	-0.05885769	0.08391016	-0.08391016
NXN	-0.01443195	-0.08962885	0.03294989	-0.02353104	0.01292754	-0.02147051	0.4730835	-0.4730835
NOTCH3	0.05784648	-0.0079527	0.07510826	0.03623195	0.09105182	0.1066264	0.368929	-0.368929
GEMIN8	-0.1788255	0.07236832	0.02748233	-0.1060252	-0.05538847	-0.03483826	0.00440264	-0.00440264
SERPINB2	-0.01358728	0.03184557	-0.1033752	-0.05674304	-0.03028018	-0.04968582	-0.05972041	0.05972041
COL5A2	0.04541003	0.04076694	0.1376558	0.05753311	-0.02027125	0.02156629	0.4892148	-0.4892148
ADRM1	-0.09181129	0.1021179	0.02287907	-0.00590329	-0.02138909	0.05080556	-0.1133326	0.1133326
RNF167	-0.02689956	0.03727367	-0.1357155	-0.0838561	-0.06103428	-0.06398286	-0.04946912	0.04946912
SNRNP27	-0.08256375	0.1226578	0.02744385	-0.05855143	-0.04813016	-0.05545099	0.04141171	-0.04141171
CPSF6	0.0526281	0.04679446	0.05800256	0.08055161	-0.02737381	0.1221959	-0.03044109	0.03044109
MYLPF	0.01086973	-0.04923776	-0.08811063	0.00720401	0.01293233	-0.07753822	-0.05104616	0.05104616
ATP13A4	0.1116371	-0.00394558	-0.01450708	-0.00876178	-0.01315872	-0.04289594	-0.1301554	0.1301554
PPM1M	-0.0776588	-0.05081989	0.1145659	0.02617809	0.00831889	0.03294911	0.3072889	-0.3072889
EIF3E	-0.03649181	0.05669878	0.1064013	0.09716576	-0.01194662	0.07298117	-0.1444513	0.1444513
EPM2AIP1	0.1183204	-0.1030732	0.04564621	0.09412412	0.03041529	0.04207604	0.2073989	-0.2073989
FLOT2	0.05867081	-0.03575705	0.01583011	0.03107354	0.1083676	0.03223846	0.02574191	-0.02574191
MED25	-0.01475765	0.03304472	-0.02118281	0.02328676	0.01379369	0.04285683	-0.03128448	0.03128448
SOS1	0.00326089	0.06253125	0.2095486	0.09826995	0.02602531	0.0958132	-0.04777639	0.04777639
CTC1	-0.08022504	0.08923877	0.09198596	0.07195483	0.01541129	0.05937694	0.0636518	-0.0636518

CZIB	-0.01119033	-0.1089241	0.02643626	0.05146457	0.0555844	-0.08264672	0.3375528	-0.3375528
CIITA	0.04224601	0.02325121	0.1223448	0.07549419	0.1054892	0.08966778	0.04280702	-0.04280702
SCN1B	0.01289163	-0.124362	0.011778	0.03885513	-2.32E-06	0.04308115	0.4040692	-0.4040692
HNRNPLL	0.05466289	0.04279211	0.1640658	0.05779395	-0.02419949	0.08795073	-0.1098721	0.1098721
SPATA6L	0.1037222	0.07950035	0.00577438	-0.09226286	0.01133365	-0.02086733	-0.0470286	0.0470286
ANO7	0.02785032	-0.00781047	-0.08109888	0.01082144	0.01603198	-0.1272754	-0.05537535	0.05537535
AC007906.2	0.1010935	-0.0091607	0.03648138	-0.02835136	0.06737085	0.05326819	0.00711058	-0.00711058
FMC1	-0.1058528	0.04767054	0.0414936	-0.05100323	-0.07361209	-0.08349687	-0.1073536	0.1073536
EIF2AK3	0.01400992	0.0927965	0.02501911	0.1402475	-0.04754908	0.07252681	-0.2061604	0.2061604
COL3A1	0.07062727	-0.0714594	0.1225437	0.05125136	-0.02306469	0.01522997	0.5566456	-0.5566456
DUSP18	0.02427194	-0.02186175	0.05306122	-0.05096748	0.01019533	0.06024077	0.00299434	-0.00299434
DNAH5	0.01740059	0.05540987	0.01831065	0.00675077	-0.09139544	0.0249864	-0.00245107	0.00245107
ZNF142	-0.00703139	0.03710185	0.02978028	0.01067876	0.04959357	0.07969897	-0.05703466	0.05703466
VTI1B	-0.07502757	-0.01789062	0.1539853	0.124903	0.05330693	0.1284779	0.01928908	-0.01928908
HSPH1	-0.04919813	-0.00900058	0.05490987	0.00340816	0.05259634	0.1680177	-0.1290127	0.1290127
BDKRB2	0.06653813	0.1335077	-0.01583259	-0.00265526	0.00328565	0.03240701	-0.00352132	0.00352132
CXCL17	0.03453409	-0.1370067	-0.0081436	0.07539914	0.04922328	0.0301485	-0.1036955	0.1036955
SRP54	-0.01319389	0.1827021	0.0148028	0.06192449	-0.03702097	0.05404996	-0.2579628	0.2579628
LRRC8A	0.06553183	-0.01463983	-0.03274837	-0.04219154	-0.03229062	0.03635364	0.07511161	-0.07511161
PALM3	0.1893889	-0.04944355	-0.0690761	0.01472649	0.1377148	-0.00234899	-0.07715486	0.07715486
TGIF2	0.08035246	-0.00911513	0.1385721	0.05398395	0.08429562	0.1299003	-0.02026445	0.02026445
PTRHD1	-0.04250026	-0.0518898	-0.1464202	-0.05812447	-0.04750708	-0.07473236	-0.07446752	0.07446752
FRAS1	0.08147425	-0.03819803	-0.00797468	0.08714148	-0.00699973	0.07466594	0.05625927	-0.05625927
ZNF562	0.0489396	0.00133169	0.1797825	0.03072955	-0.00643728	0.1550747	-0.06445074	0.06445074
SEC11A	-0.03387984	-0.00386849	0.06896619	0.06328118	-0.06175903	0.03869653	-0.02866505	0.02866505
ARL5B	0.06924431	0.07776727	0.1287019	0.05890529	-0.00446258	0.08323506	-0.2260926	0.2260926
MITF	0.05231161	-0.2133041	0.1618441	0.1196091	-0.00779101	0.03487995	0.3278282	-0.3278282
NELFA	-0.00749569	0.07612433	-0.03696376	-0.04204271	-0.01805125	0.00939756	-0.2038642	0.2038642
PPP1R35	-0.00027329	0.08607794	0.00721476	-0.00693242	-0.02942668	0.01312986	-0.09031162	0.09031162
SRPK2	-0.03030889	-0.0256173	0.09432064	0.0693257	-0.03003572	0.05854116	-0.02382207	0.02382207
TBC1D10B	0.05016015	0.08252678	-0.03875355	0.02476193	0.04984832	0.01900844	-0.07190331	0.07190331
DPH2	-0.05484428	0.08206879	-0.02838862	-0.00227208	-0.01820727	0.04987394	-0.2225204	0.2225204
C1orf53	-0.04322493	0.0371134	-0.06285016	-0.04497318	-0.02468706	-0.08304237	-0.2254499	0.2254499
PNPO	-0.02145342	0.02904296	0.05571611	0.00700571	0.04334512	0.0816526	-0.1969067	0.1969067
PSMD14	-0.1171599	0.1941177	0.02400104	0.01453711	-0.03175124	0.00656972	-0.2917499	0.2917499
PSMC4	-0.08756307	0.07510098	-0.03977997	-0.00747353	0.00439874	0.00837385	-0.1057456	0.1057456
ZFAND3	0.02122027	-0.02299397	-0.03784542	-0.04228038	-0.01078653	-0.04154709	0.0885558	-0.0885558
JARID2	0.04654514	-0.01367561	0.01673707	0.07733756	-0.02483127	0.07414591	0.01975054	-0.01975054
SERGEF	-0.04572363	0.02756409	0.02560166	0.0232441	-0.01773012	0.02607958	0.1091977	-0.1091977
C2orf16	0.06627939	-0.02415717	0.00227738	0.1180102	0.03610287	0.05264294	-0.1580722	0.1580722
CABYR	-0.04769207	-0.04493345	0.03523988	0.00908614	0.04353223	0.01070799	0.01213887	-0.01213887
WDR60	0.0904596	0.03626752	0.1197076	0.00589716	0.100022	0.04375851	0.03351836	-0.03351836
TNFSF14	0.01690102	-0.08096207	0.1592666	0.122099	-0.01636869	0.1331108	0.2197056	-0.2197056
LYPLAL1	-0.01003576	-0.09641123	0.1505779	-0.00862172	0.02431692	0.02650236	0.05024242	-0.05024242
AASS	-0.01225702	-0.03087633	0.09733956	0.09288323	0.05006774	0.000201	0.2174058	-0.2174058
ELF3	0.08232614	0.1138193	-0.04043394	-0.06346276	-0.01792381	-0.0700569	-0.3302546	0.3302546
CPEB3	0.03836961	-0.06122239	0.08163099	-0.03906386	-0.07956478	0.00578232	-0.05499769	0.05499769
ADAMTS12	0.04634936	0.06863293	0.1323031	0.031321	-0.00090799	0.06190975	0.3882198	-0.3882198
COMMD10	0.05181755	0.03090426	0.0880839	0.1081442	0.01460808	0.05865966	-0.0049987	0.0049987
TMC8	-0.04282473	-0.06437926	0.1098946	0.03525061	0.07192583	0.07267216	0.1744601	-0.1744601
RHPN1	0.06343656	0.1464702	-0.01420653	-0.03016175	0.03426532	0.05194611	-0.1559556	0.1559556
JOSD1	0.03059463	0.03663595	0.09262299	-0.0015743	0.05281231	0.04506259	-0.1050646	0.1050646
ITIH3	-0.02299171	-0.1194118	0.06780056	-0.00700366	-0.03573396	0.00636162	0.3711994	-0.3711994
FAM193B	0.1403772	0.0774287	0.02404883	0.0694409	0.07539183	0.07938168	-0.01403702	0.01403702
ANKRD28	-0.00171717	0.07967807	0.09018819	0.09885468	0.0203131	0.09954099	-0.1447397	0.1447397
MRPL46	-0.0372928	0.02147107	-0.06481696	-0.03832786	-0.00123113	0.05198111	-0.1517204	0.1517204
CEACAM6	0.05159661	0.03720745	0.0898804	0.01353446	0.03209573	0.09361749	-0.02316849	0.02316849
HEXIM1	0.00488383	-0.09036191	0.05469322	0.06205758	0.02499017	0.1016247	0.1503295	-0.1503295
SPCS3	0.00689742	0.06198495	0.1649628	0.1312875	0.00846881	0.1371288	-0.07660192	0.07660192
ISG15	-0.09565634	0.04825673	0.06509777	-0.06222546	-0.04848825	0.01257439	0.1651348	-0.1651348
TMF1	0.03810542	0.05745825	0.1550872	0.07452615	-0.05076159	0.09330173	-0.1549379	0.1549379

RORA	0.07815324	-0.06618404	0.1268941	0.04297007	0.00348941	0.04911505	0.3001852	-0.3001852
GABRR2	0.06363017	0.02104381	0.00646373	0.06234313	-0.01432152	-0.00500617	0.00383877	-0.00383877
PCDHB3	0.05347601	0.0383707	-0.02665162	-0.06241333	-0.02602878	-0.0520367	0.1488539	-0.1488539
TBP	-0.00777041	0.1034436	0.02370714	-0.02489321	0.02499091	0.01908982	-0.1358665	0.1358665
CLCN2	0.02373538	0.01951193	0.0618646	0.01885784	0.03755466	0.09790933	-0.1641188	0.1641188
EXO1	-0.04742427	0.09097052	0.02301229	-0.01132408	0.00460006	0.03506952	-0.2781314	0.2781314
PITPNA	0.02787073	0.1022467	0.03634324	0.0445011	0.02484278	0.03428757	-0.04187914	0.04187914
MPHOSPH10	-0.05976295	0.1565459	0.1368376	0.07612705	-0.02406477	0.09967056	-0.2111837	0.2111837
CACNA2D3	0.01555373	-0.2025932	0.04706815	0.03205821	0.01682346	-0.04405137	0.3780637	-0.3780637
GTF2IRD2B	0.0887314	-0.09883008	0.07208119	0.08378518	0.05525193	-0.0105343	0.2059444	-0.2059444
MAPK12	-0.093635	0.1145381	-0.04446956	-0.01866562	0.03105378	0.02110059	0.06197043	-0.06197043
CHTF8	-0.00429565	-0.01788558	0.07781392	0.00662997	0.1301085	0.06556638	-0.05309098	0.05309098
IDH3A	-0.01062005	0.08998004	0.01457529	-0.06205516	-0.0122416	0.04513421	-0.2154221	0.2154221
PITRM1	-0.07307672	0.05813303	0.03297044	0.04616316	0.060532	0.07638878	-0.08166299	0.08166299
THEMIS2	0.06363239	0.06013333	0.1686677	0.07727031	0.04977214	0.05192693	0.3027195	-0.3027195
SPOCK1	-0.07111548	-0.08120085	0.1437913	0.05195903	0.04434927	0.07080727	0.3627219	-0.3627219
RALGAPA1	0.00742348	0.03341781	0.08326647	0.06708035	-0.02573025	0.06332111	-0.06931248	0.06931248
RECQL4	-0.04131133	0.1480336	-0.03202535	-0.03918917	-0.01557355	0.00608806	-0.3039794	0.3039794
POLR2B	-0.02563793	0.05791505	0.08634135	0.05494215	0.0143755	0.08688376	-0.2122372	0.2122372
PTPA	0.008814	0.0679525	-0.06337258	-0.1500824	-0.02177058	-0.03151668	-0.04316727	0.04316727
ALPK3	0.06006416	-0.09422657	0.0250475	0.02091244	0.09674786	-0.0077975	0.139058	-0.139058
MYL6B	0.01369426	-0.07004804	-0.0648337	0.04031902	-0.0250292	0.00691949	0.109113	-0.109113
MYO19	0.02967158	0.1434357	-0.01902784	-0.017124	0.09748797	0.05343911	-0.2393247	0.2393247
ZNF761	0.00090262	0.07913917	0.07450226	0.07082376	-0.02594955	0.02893126	-0.1655498	0.1655498
ZNF253	0.0040214	0.08773448	0.07463509	-0.00875977	0.01854575	0.0356726	-0.175054	0.175054
SMG1	0.05176179	0.1510874	0.1474045	0.1001315	0.05975424	0.1375424	-0.1431674	0.1431674
KCNK7	0.00356868	-0.00549375	-0.1755049	-0.01143323	-0.03646991	-0.03685355	-0.04380824	0.04380824
PIFO	0.0066686	-0.1090791	-0.01930336	-0.04413017	-0.01074228	0.0659347	0.1491942	-0.1491942
ELP5	-0.1199018	0.0987491	-0.1026743	-0.06132979	0.01275737	-0.03422278	-0.01106754	0.01106754
KDM2B	0.0266446	-0.06458381	0.1471089	0.02676152	0.02312872	0.1315915	-0.01261331	0.01261331
ADI1	-0.04298143	0.04123741	0.01507466	0.00927781	0.01272151	-0.01184321	-0.2147261	0.2147261
MPV17L2	-0.09111047	0.1299364	0.04565295	-0.1305202	-0.02589731	-0.01022882	-0.07736355	0.07736355
KCNA3	0.00335117	-0.00710326	0.1630466	0.124264	0.1006398	0.1424265	0.1667701	-0.1667701
EPHB2	0.07271078	0.1226161	-0.111211	-0.1287273	0.03390919	-0.02491005	-0.1501499	0.1501499
RPL5	-0.06125642	-0.01478482	0.09989605	0.09052162	-0.03816136	0.06548684	-0.01815625	0.01815625
SMOC2	0.00234645	-0.1098208	0.05636731	-0.01364143	0.02552889	-0.06105294	0.4152494	-0.4152494
IL13RA1	-0.03151545	0.1013956	0.08824341	-0.06630957	-0.01122164	-0.05315023	0.01014373	-0.01014373
ARVCF	0.03979898	0.04906164	0.00707822	-0.06183089	0.04644587	-0.05419239	0.08592614	-0.08592614
SIPA1L3	0.06573816	0.03858628	0.01402544	0.07712327	0.03070413	0.0929983	-0.1332199	0.1332199
B4GALT2	-0.04555928	0.02003336	-0.04887174	-0.03309857	-0.03924773	-0.00667426	0.04898842	-0.04898842
AP1S1	0.03135938	0.1077201	0.00948208	-0.02353805	0.00360628	-0.00807669	-0.1574736	0.1574736
MED17	-0.04992937	0.07181771	0.1219876	0.02819316	0.00887469	0.09633273	-0.1096788	0.1096788
EEF1B2	-0.1032357	0.08806858	0.1082827	0.07406951	-0.05642249	0.05765735	-0.1716437	0.1716437
LHX4	0.1048161	0.02007987	0.06541338	0.1102779	0.02181934	0.08969504	-0.08411673	0.08411673
SMIM3	0.03743759	-0.07739393	0.04627145	-0.02324625	0.02750193	-0.01450872	0.3876695	-0.3876695
WDSUB1	0.01137552	0.09616531	0.05434477	0.00586599	-0.03726517	-0.02436102	-0.1426582	0.1426582
RPL18	-0.1020619	0.00438516	-0.01429448	-0.04627123	-0.07234529	0.03010964	-0.0416426	0.0416426
SNURF	-0.01109115	-0.1944845	0.1128132	0.03564093	0.05322189	0.02871594	0.3164859	-0.3164859
UNC119	-0.07105752	0.03625777	-0.0633369	-0.05016552	0.04531837	0.01863624	-0.01285478	0.01285478
HDAC8	0.06902947	0.0665063	0.05457284	-0.08271322	-0.01469152	0.02515798	-0.130865	0.130865
VAV1	-0.07779432	-0.03428137	0.0850157	0.04296232	0.00413731	0.08146612	0.08184558	-0.08184558
TM7SF2	0.09676809	0.03296686	-0.1536528	-0.08436078	0.01723198	-0.05451122	-0.1253773	0.1253773
PCK2	0.01276499	0.1235686	0.01864505	0.01602185	0.00448949	0.06016839	-0.2256507	0.2256507
MAT2A	-0.03734677	0.1102178	0.1008008	0.1104566	0.04774553	0.1264866	-0.1974643	0.1974643
ADAP1	0.05243683	0.1302949	0.06156674	-0.04856518	-0.0054136	0.04460272	-0.117421	0.117421
GTSF1	-0.1260766	-0.00721215	-0.08427987	-0.02518675	0.0043905	-0.05714391	-0.08623964	0.08623964
LRRC28	0.00446411	-0.01142538	-0.04216747	0.02528195	-0.03389994	0.05395059	-0.05822405	0.05822405
EFNA3	-0.04312909	0.1319399	-0.00154756	-0.1161051	-0.01270813	-0.03920847	-0.1395575	0.1395575
SLC7A4	-0.05211661	0.00184412	-0.05230646	-0.08407853	-0.01407478	-0.04624844	-0.07289919	0.07289919
CENPP	0.00732492	0.01341368	0.1089619	0.02159812	0.0061198	0.0866888	0.00490137	-0.00490137
TOB2	-0.1088108	-0.02579358	0.1189503	0.0103198	-0.00807658	0.08645947	0.00117356	-0.00117356

GABPB1	0.01176598	0.03704072	0.1397252	0.09250822	-0.00825266	0.04558831	0.04105277	-0.04105277
CLCN6	0.1078925	0.03297927	0.05611369	0.09861595	0.1308434	0.07396541	0.07791239	-0.07791239
EXPH5	0.0541277	0.00333678	-0.00617608	-0.07594582	-0.05205811	0.02559812	-0.2370674	0.2370674
TP53I13	-0.00662049	0.1174407	-0.05832791	-0.08360375	0.01113013	-0.01066421	-0.01192444	0.01192444
SAMD3	-0.07794727	0.03157706	0.1443708	0.07436236	-0.02588338	0.06104726	0.1675161	-0.1675161
RIN2	0.09890874	0.1356543	0.1143883	-0.00201517	-0.00475862	0.04425585	0.1237161	-0.1237161
VAPB	-0.00947955	0.01354852	0.00313526	0.03061229	-0.03211191	0.03464025	-0.1601783	0.1601783
ABCD1	-0.1038151	0.05253066	-0.04238271	-0.09290759	-0.05219992	-0.03635894	-0.08419322	0.08419322
ATL3	-0.06624086	-0.04577802	0.2178354	0.07365243	0.00040915	0.07574594	0.2171373	-0.2171373
VEGFB	-0.05552056	-0.09486585	0.00387843	-0.02961247	-0.04321918	-0.04613905	0.4767092	-0.4767092
PKIA	-0.02536771	-0.1031441	0.04373423	0.1155384	0.05722897	0.01193599	0.2782746	-0.2782746
RUVBL1	-0.09689667	0.06326255	0.02887406	0.00085856	0.03329055	0.06598182	-0.1572885	0.1572885
HMGXB4	0.01990999	0.05603584	0.1033531	0.01312767	-0.01802337	0.06547019	-0.1295599	0.1295599
CCDC88A	-0.08446973	-0.08049836	0.1523505	0.1282056	0.04343504	0.06336991	0.2138729	-0.2138729
TAP2	-0.03055932	0.1063398	0.1284739	-0.00429747	0.01365153	0.09414962	-0.04995903	0.04995903
TMEM268	-0.0314861	-0.04127315	0.178249	-0.01729649	0.07115892	0.05952285	0.176548	-0.176548
SPOP	-0.01828161	-0.08131442	0.06487813	-0.01800099	0.00672737	-0.0490254	0.2858771	-0.2858771
CSNK2A2	0.01361918	0.04760669	0.1469385	0.04805738	0.09291432	0.08438739	-0.06812594	0.06812594
JAK1	0.0519089	0.01876086	0.1459714	0.05771312	0.0590095	0.08474365	0.08203738	-0.08203738
QPRT	0.07145278	0.00086071	-0.04684469	0.04375577	0.05816739	0.03605115	-0.03297401	0.03297401
HECA	0.02273311	0.02125975	0.1615684	0.07108288	0.02103534	0.1026114	0.0494705	-0.0494705
RAB3C	-0.05635646	-0.09694945	0.02396948	-0.0251918	0.01060291	0.01334488	0.03376795	-0.03376795
RNF123	0.04962692	0.05574029	0.03292868	0.0718696	-0.03137522	0.08367975	-0.1326753	0.1326753
SLC25A23	-0.06569197	0.05697619	0.03005636	-0.1008374	-0.03967287	-0.08335107	0.04728399	-0.04728399
INTS2	0.02397816	0.05152332	0.08167018	-0.03434619	0.01809233	0.029963	-0.2139516	0.2139516
PXK	-0.04564443	-0.0942035	0.09321447	0.00542876	-0.02922081	-0.00136428	0.03016868	-0.03016868
PCBP2	-0.01798544	-0.08838853	0.100383	0.00122944	-0.03668845	0.09043398	-0.06869819	0.06869819
RIBC2	-0.09852921	-0.03218901	-0.07293193	-0.08169377	0.01676383	-0.00619104	-0.03651504	0.03651504
ATRAID	-0.00593326	0.01142461	-0.00689545	0.03845819	0.01351255	-0.00967606	0.01556804	-0.01556804
PAPSS2	0.02694403	0.02913752	0.09056965	0.09121478	0.00164458	0.09211604	0.01890471	-0.01890471
ANO6	0.03659851	-0.01951259	0.1789926	0.06722654	0.06087997	0.06652569	0.1846691	-0.1846691
ZNF420	-0.01468621	-0.02599787	0.09277328	-0.02176455	-0.01038042	-0.00683089	-0.02140494	0.02140494
HIBADH	-0.02224996	-0.00379771	0.06072514	0.0309498	0.01844678	-0.02516565	-0.1279623	0.1279623
NCOA5	0.05036442	-0.00560672	0.01177123	0.01174294	-0.03238253	0.04071323	-0.1160341	0.1160341
FAM189A2	0.07232953	-0.1175604	0.01428898	0.01632997	-0.00381677	0.00016932	0.00946161	-0.00946161
SHFL	-0.03098776	0.07305131	0.05156579	-0.08094295	0.04997994	0.00084632	0.1688743	-0.1688743
PPP2R3A	-0.00428576	-0.1484343	0.00640856	0.03234577	-0.0131655	-0.04420911	0.2301194	-0.2301194
SLAMF9	-0.06280603	0.0296614	0.02520481	0.00823528	0.04544051	0.01930659	-0.01856278	0.01856278
FOXN2	-0.06877487	0.1148752	0.1748131	0.03449498	-0.02019867	0.06223576	-0.163157	0.163157
KRT8	-0.00989162	0.1153342	0.02026154	-0.0462064	-0.01045712	0.05932454	-0.1886761	0.1886761
ERI3	0.01665006	0.01370504	-0.1062764	-0.01240668	0.01063339	-0.04198837	0.0251284	-0.0251284
MRPL34	-0.08039488	0.05331118	-0.01266691	-0.1177156	-0.03812037	-0.06010728	0.00533824	-0.00533824
CRLS1	0.09582584	0.1138145	0.00366782	-0.02084761	-0.08201369	-0.05400909	-0.257463	0.257463
TUFM	-0.02316519	0.07757583	-0.00381013	0.01647217	0.05057362	0.01524383	-0.1595206	0.1595206
TMEM135	0.01549008	0.06686474	0.09267965	0.09694918	-0.0231561	0.09862317	-0.2274485	0.2274485
MORC3	0.02521801	-0.01947987	0.1829532	0.0631871	0.06030345	0.1024983	-0.02932395	0.02932395
ADRA2A	0.03470623	-0.1385838	-0.01357326	-0.01612322	-0.02662139	-0.0154177	0.03902878	-0.03902878
CYBB	-0.00931738	0.05030804	0.2154972	0.1036417	0.03156424	0.03512834	0.1476413	-0.1476413
LNP1	0.00586799	-0.1078247	0.02565824	0.00757791	-0.00779302	-0.03949034	0.08522676	-0.08522676
C4orf3	-0.03024632	-0.1036839	0.08404769	0.01218823	0.00090236	-0.0681635	0.303941	-0.303941
SMARCA2	0.02731288	-0.08484116	0.08714317	-0.00623537	0.01111113	0.00731057	0.1890237	-0.1890237
TNIP1	0.02913326	0.05716332	-0.05048716	-0.01040178	0.01626353	0.03272887	0.03189046	-0.03189046
UBTF	-0.03064541	0.04180383	0.08945575	0.02358517	0.08161513	0.06125132	0.04145092	-0.04145092
G3BP1	0.00036	0.07653074	0.07139796	0.07135111	0.0243923	0.09656542	-0.1642705	0.1642705
SH3PXD2B	0.0686566	-0.0247855	0.07243032	0.0427075	0.01473153	0.00799202	0.4314318	-0.4314318
BBS7	-0.0645316	0.06636533	0.09519041	0.02267599	-0.00154363	0.04312291	0.01257467	-0.01257467
ACSL4	0.01876073	0.03460338	0.1107692	0.07103882	-0.04528505	0.05281491	0.02947999	-0.02947999
ZNF106	-0.01172584	-0.04081607	0.128862	0.07466627	-0.00575087	0.06772794	0.03756839	-0.03756839
EEPDI1	0.0173172	-0.00707302	0.01270353	-0.04190232	-0.01402716	0.02642637	0.04069236	-0.04069236
ETV4	0.04201554	0.04802232	0.06656467	0.02094625	0.04531644	0.07996473	-0.118447	0.118447
EDN2	0.03217588	0.00372124	-0.1212455	-0.08060658	-0.03254427	-0.09739639	0.00100712	-0.00100712

RDH14	0.039076	0.03183426	0.0065422	0.02757767	-0.02979539	0.02863802	-0.05908421	0.05908421
UBAC2	0.0659072	0.05447327	0.04340054	6.01E-06	0.02784432	0.03611536	-0.1160046	0.1160046
SQSTM1	0.040728	-0.03350224	-0.05017638	-0.01324389	0.02508373	-0.01778217	0.1132037	-0.1132037
TAPBP1	0.05381427	0.07044124	0.00543206	0.03010968	0.03864555	0.06762813	-0.07235819	0.07235819
KAT2B	-0.06674431	-0.0729134	0.1336605	0.02594746	0.01018838	-0.01017118	0.07945785	-0.07945785
C11orf45	0.03046772	-0.05434853	0.01686183	0.04489816	0.01413895	0.08423561	0.01222081	-0.01222081
PRELP	-0.05617378	-0.2186028	0.130429	0.03536118	0.05509167	-0.01357469	0.5046989	-0.5046989
NSD3	0.00577918	-0.04164028	0.0954182	0.07102515	0.05869459	0.06150522	-0.1015903	0.1015903
LDLRAD1	0.02956298	-0.0184034	-0.07809253	-0.03627522	-0.07966491	-0.01418886	-0.02326399	0.02326399
TOM1	0.1342924	-0.000623	-0.1010998	-0.04320935	-0.00465263	-0.02406602	0.07847788	-0.07847788
TRPM4	0.08101878	0.1217403	-0.08166836	-0.04190726	0.0473568	-0.07745429	-0.09009957	0.09009957
SUMF2	0.1303379	0.06006051	0.0375714	0.00789842	0.07286929	0.01844675	-0.06842115	0.06842115
PCDHGB2	0.1531158	0.01012817	-0.0226948	0.01238627	0.05783887	0.01686903	0.03373797	-0.03373797
NECTIN1	0.1241233	-0.00483656	-0.1775272	-0.05300432	-0.05739177	-0.0536006	-0.1563967	0.1563967
ATXN7L2	0.02778971	0.06862828	0.00025605	0.02761468	0.01610743	0.06684719	-0.06943709	0.06943709
SCAP	0.03535784	0.01066932	-0.03722571	-0.02767216	0.02630949	0.02359948	-0.09979466	0.09979466
TMEM53	-0.00061445	0.06062217	-0.1648345	-0.05188264	-0.00266251	-0.06887278	-0.1361455	0.1361455
KDM7A	0.07724049	0.1725381	0.05378829	-0.02744626	0.03353374	-0.02113527	-0.1716641	0.1716641
CD1E	0.03255047	-0.1762425	0.04691371	-0.03572293	-0.08346978	-0.01183774	0.208336	-0.208336
CD34	0.06720458	-0.06762594	0.1448742	0.033095	0.04988315	0.0112982	0.4480568	-0.4480568
SLC11A2	0.05225671	0.05926106	0.04181045	-0.07414547	-0.0066753	0.00548239	-0.197518	0.197518
FOXO3B	0.01159396	-0.0161558	0.1106599	0.06453311	0.01980406	0.0452184	0.1328351	-0.1328351
NMNAT2	-0.06117652	0.03586244	0.06628784	0.1087048	0.01775589	0.1093448	0.07107313	-0.07107313
PANK4	0.00405879	0.00020926	0.02229918	-0.00190146	0.02415655	0.04371059	-0.00306803	0.00306803
PLPP5	0.03034375	0.00392156	0.01231483	0.07652542	0.02302337	0.00980621	-0.1448022	0.1448022
EZH2	-0.00867178	0.1535444	0.0433913	-0.01064677	0.04031118	0.07577581	-0.3291045	0.3291045
SKIL	0.0339712	-0.01944788	0.1921065	0.1279394	0.00178016	0.154172	0.06633195	-0.06633195
CWF19L2	0.02156063	-0.1066851	0.190526	0.1234413	-0.04306318	0.0938123	0.09964911	-0.09964911
HMG20B	-0.04628364	0.04056182	0.02335364	-0.09353149	-0.01504096	-0.03670352	-0.01087846	0.01087846
TMEM189	0.04933071	0.07458084	0.01753761	0.01629888	-0.04083914	0.03369289	0.03331773	-0.03331773
COG8	0.05332871	-0.0618838	0.08288491	0.02247453	0.1131649	0.07663023	0.01066047	-0.01066047
DNTP1	0.06115451	0.0179828	0.01981035	0.00697693	0.03670735	0.06496664	-0.00754818	0.00754818
ZNF597	-0.01703	0.02414783	0.08067033	-0.02554554	0.01143831	0.01359925	-0.00547135	0.00547135
JRKL	0.0728841	0.1168748	0.1184821	0.05913192	0.02149022	0.08541112	-0.1274091	0.1274091
PRUNE2	-0.0275435	-0.1291068	0.07149216	0.0305209	0.03877546	-0.07409031	0.3209429	-0.3209429
UNC50	-0.01839993	0.07224602	0.09693092	0.00415414	-0.0531594	-0.01363156	-0.1106766	0.1106766
TFF1	-0.04489602	0.00296278	-0.01292328	0.08620728	-0.06089468	0.01051961	-0.2029249	0.2029249
NINJ1	-0.0369475	-0.02390953	0.0769437	-0.01523546	-0.00919121	-0.03798773	0.2665344	-0.2665344
ACVR2A	0.01825471	0.06489972	0.1268282	0.1414105	-0.00229153	0.05098107	-0.0092459	0.0092459
CUTC	0.07970014	-0.0255226	0.1135442	0.08285888	0.02820782	0.07165631	0.05822355	-0.05822355
ZNF57	-0.06106967	0.1390053	-0.01853959	0.00518601	-0.02801469	0.02001411	-0.361907	0.361907
GDF11	0.04321324	-0.08935616	0.04442705	0.05824903	0.02121479	0.06947668	0.1041235	-0.1041235
EMC2	-0.04365355	0.1660143	0.07184509	0.02525984	0.05189872	0.00912271	-0.1201784	0.1201784
CITED4	-0.07292427	-0.06858177	0.01535409	-0.01952362	0.05852674	0.02348576	0.04561845	-0.04561845
SCP2	-0.0034959	0.07376847	0.03581293	0.01643906	-0.09875413	-0.06273362	-0.2630543	0.2630543
SCAF1	0.01700502	-0.00649612	-0.01648481	0.03009742	-0.00172697	0.06693034	0.04141836	-0.04141836
DTX2	0.09384715	0.1201553	-0.05070977	-0.08469288	0.00823832	-0.03911193	-0.09691848	0.09691848
CPNE7	-0.05494802	0.07597236	0.07254372	-0.03036389	-0.0488086	0.0344204	-0.1526404	0.1526404
C6orf136	0.02525084	0.1508924	-0.09924733	-0.1287227	-0.05765662	-0.05392339	-0.3186782	0.3186782
BAIAP2L1	0.07781372	0.03785954	0.01270839	0.04444911	-0.03318515	0.02797286	-0.1532119	0.1532119
LMTK3	-0.01933314	0.05483261	-0.1023512	-0.07325916	0.04413793	0.02219497	0.02575744	-0.02575744
PABPC1	0.0621093	0.06731837	0.05664025	0.04103589	-0.00307594	0.1000085	-0.1340148	0.1340148
KLF6	-0.02053724	0.04056727	0.09112725	0.00329962	0.00495397	-0.01233109	0.1495705	-0.1495705
KCNN4	0.01840734	0.05755558	0.00806916	0.05698439	0.01281517	-0.02555935	-0.06800106	0.06800106
CDK7	-0.09481516	0.1274884	0.04460689	0.02535185	-0.07899585	0.0647855	-0.1511765	0.1511765
JAG1	0.00285155	0.1188843	0.1185071	0.02783196	0.05426319	0.07304191	-0.00592576	0.00592576
MAP3K2	-0.02097076	0.08065583	0.1804617	0.1073938	0.0252468	0.0913074	-0.02440366	0.02440366
APOA4	-0.06234178	-0.03915713	-0.01394284	0.03918066	-0.03774167	0.01679336	-0.08542785	0.08542785
MAD2L2	0.0270899	0.00959555	-0.1035123	-0.1017934	0.02975204	-0.04484865	0.056076	-0.056076
PNN	0.02295806	0.1300625	0.1195578	0.0893025	0.08311967	0.1250802	-0.2278154	0.2278154
PPP5C	-0.0049454	0.06375457	-0.00479404	0.0527703	0.00584221	0.04835418	-0.07783663	0.07783663

HIBCH	-0.1226379	0.1121226	0.03567727	0.1022486	-0.0090658	0.03659814	-0.2598707	0.2598707
RAPGEF2	0.06472663	0.04322835	0.1715774	0.08024777	0.07238438	0.1157309	-0.01785459	0.01785459
ZNF454	-0.04332515	-0.1559394	0.1368777	0.04237864	-0.00255974	0.03421309	0.4812892	-0.4812892
RNF216	0.04258237	-0.05345009	0.1795963	0.00170836	0.02041709	0.02599058	0.1376779	-0.1376779
DYRK3	-0.06739161	-0.06334987	0.08350608	0.04900959	0.04934163	0.04725698	0.1195789	-0.1195789
SYVN1	-0.02604018	0.0404716	0.0341615	0.062999	-0.01908885	0.1320001	-0.074513	0.074513
MLLT3	0.07593941	-0.1170978	0.1265761	0.07526301	0.04818605	0.1261043	0.04509879	-0.04509879
ARGLU1	0.06479326	0.1239818	0.04416606	0.06215834	-0.00189498	0.09107413	-0.1124118	0.1124118
P3H2	-0.04506951	-0.04280809	0.1054989	0.07063867	-0.03297195	0.05551127	0.1144773	-0.1144773
GPATCH1	0.01923774	0.07855873	0.01090936	0.04584654	0.0935539	0.06724778	-0.1227491	0.1227491
RWDD4	-0.09034326	-0.05762325	0.0873993	0.00808522	0.01845345	0.05602751	-0.09483283	0.09483283
SULT1A2	-0.02061365	0.05007983	-0.07747398	0.03778922	-0.00784037	-0.01919356	-0.1653291	0.1653291
RORC	0.07922949	0.05784671	-0.1279935	-0.03815075	-0.03407357	-0.06489974	-0.2207414	0.2207414
C1GALT1C1L	-0.01257482	-0.0726041	0.01975652	0.05193472	0.04403672	0.00633056	0.08813191	-0.08813191
SEC14L2	0.04782613	-0.05305636	-0.06087701	0.01037173	0.0325201	-0.01014273	0.08525983	-0.08525983
ZNF559	-0.02612457	-0.1260884	0.1680315	-0.01710834	-0.02683541	0.03883854	0.05813104	-0.05813104
RRAD	-0.03370145	-0.06568497	-0.0704074	-0.03866558	0.09024538	-0.05152798	0.1932569	-0.1932569
IDUA	0.1118852	0.01985035	-0.1104591	0.00562165	0.01479753	-0.03948502	0.1319478	-0.1319478
H2AFX	-0.089944	0.05490757	-0.08636423	-0.05619012	-0.0696225	-0.00067653	-0.1485797	0.1485797
RPL7L1	0.00874343	0.1724377	-0.01756062	-0.06602645	-0.03230409	-0.01075836	-0.1926629	0.1926629
HAPLN3	0.04665242	0.01516474	0.1199343	-0.01486704	-0.00624277	0.09466832	0.1465457	-0.1465457
RPS27L	-0.09870818	-0.00727411	0.06038737	0.03093868	-0.00516478	0.00484562	0.0395977	-0.0395977
TUFT1	0.1295498	0.04789699	-0.07690134	-0.029699	0.00855599	-0.02570586	-0.1627704	0.1627704
SDK2	0.0284825	-0.01972702	-0.03974289	-0.08031164	-0.04977069	-0.0054138	-0.01706362	0.01706362
DDA1	-0.0279765	0.05925718	0.02382616	-0.04302866	0.01171911	0.02708746	0.02006267	-0.02006267
TCTN3	-0.0069958	-0.03001244	0.00601943	0.02806027	0.04900687	0.02864981	0.05128607	-0.05128607
LAT2	-0.02439358	-0.03556208	0.07816601	0.05520524	-0.01042297	0.02718302	0.2475555	-0.2475555
PIWIL2	0.01955771	-0.01101371	-0.05050602	-0.04085074	-0.04972742	-0.0485874	-0.1170371	0.1170371
EFTUD2	-0.02234967	0.1185422	0.01747529	0.02496233	0.1119781	0.07990964	-0.2065234	0.2065234
NOL4L	0.09128378	0.05924377	0.1028271	0.06978051	-0.01410149	0.1133927	-0.1300017	0.1300017
SMIM35	0.0762127	-0.01956381	0.03537707	0.07262311	-0.05886882	0.04166837	-0.1363748	0.1363748
MBOAT7	-0.04402557	0.04309192	-0.08162977	0.00207119	0.02185637	0.01655854	-0.06092564	0.06092564
HDHD3	0.02933103	0.1198253	-0.1182761	-0.07309647	-0.0185088	-0.07716595	-0.2848175	0.2848175
BSDC1	0.0230682	0.05493	-0.01975824	0.01089854	0.00863019	-0.04004303	0.01665386	-0.01665386
LSM3	-0.1165578	0.03600544	-0.03830241	-0.05275627	-0.02519717	-0.03643609	-0.1733041	0.1733041
PLAC8L1	0.02015535	0.04170744	0.00168414	-0.02541409	0.03924925	0.01473551	-0.2086229	0.2086229
MTDH	-0.0525011	0.1246956	0.1413507	0.04487971	0.02253361	0.08590661	-0.1795133	0.1795133
STX12	0.00160266	-0.01585356	0.02388783	0.07279212	-0.04488738	-0.03359716	-0.02529851	0.02529851
SF3A1	-0.01303799	-0.01749842	0.08094737	0.05232625	0.01667641	0.110204	-0.06527641	0.06527641
TP53RK	0.07012028	-0.02728742	0.03547994	0.01703775	-0.01845366	0.05135474	-0.1376003	0.1376003
STAM2	0.0078901	0.07276017	0.1562676	0.07435918	-0.0282433	0.03966394	-0.05926992	0.05926992
BFAR	0.02327357	0.04829642	0.09838665	0.08137595	0.1570961	0.03633273	-0.03023266	0.03023266
ERCC6	0.07484444	0.00718811	0.07601009	0.00020875	-0.00650442	0.07315201	-0.1352147	0.1352147
FUT1	0.07349801	-0.03386674	0.02925717	-0.1139917	-0.04491181	-0.03021783	0.05130053	-0.05130053
RBM39	0.1037406	0.1309736	0.08036997	0.06381143	-0.03922477	0.09782637	-0.1897516	0.1897516
CSF2RA	0.04222356	0.0405951	0.1473957	0.01373218	0.09346413	0.06066355	0.2513597	-0.2513597
C3orf67	-0.02145014	0.05911415	-0.08716179	-0.02991061	-0.01744322	-0.03712312	-0.1359004	0.1359004
EXOSC4	-0.112368	0.1029569	-0.1104872	-0.1012601	-0.06011697	-0.02916455	-0.1315132	0.1315132
ZBTB7C	0.00686411	-0.08375265	-0.08900399	0.0480852	-0.07712856	0.01108824	-0.131172	0.131172
RWDD2B	0.05565286	-0.06430558	0.01359652	-0.0629613	-0.00951413	-0.06794921	-4.83E-05	4.83E-05
KCNH3	-0.04366363	-0.02189476	-0.01717798	-0.06114453	-0.04179504	-0.04542874	0.03751354	-0.03751354
MAT2B	-0.06917351	0.1002241	0.1014777	0.02983823	0.02800683	0.03232326	-0.08432287	0.08432287
JUNB	0.01550549	0.03157484	0.03455515	-0.08083353	0.02854553	-0.09345037	0.1902551	-0.1902551
MROH1	0.07496953	0.1799013	-0.04197183	-0.02170274	-0.02204085	0.02639912	-0.2175321	0.2175321
ASPSR1	0.09458867	0.09132197	-0.1201204	-0.1167632	-0.04454574	-0.115464	-0.05514314	0.05514314
CPTP	0.01483811	-0.01936044	-0.1434458	-0.06660656	-0.04136168	-0.02522292	-0.1488792	0.1488792
FOLH1	0.06323519	0.04825168	0.02688823	-0.04665568	-0.03340789	0.00139175	-0.06993633	0.06993633
DIPK2B	-0.02076577	-0.05155621	0.1332111	0.03876542	0.068518	0.01584895	0.4413085	-0.4413085
MRPS21	-0.04106465	0.04552724	-0.08730524	-0.145693	0.00396882	-0.0381437	-0.00715436	0.00715436
NUBP2	0.00198144	0.01492936	-0.03256535	-0.06167173	-0.00688427	-0.05058021	-0.02294402	0.02294402
EHF	0.05164582	0.1300246	0.01750143	-0.01188917	0.01036495	0.02558058	-0.2329555	0.2329555

ANKRD13C	-0.00288961	0.05460217	0.1048538	0.0296312	-0.01521397	0.03843483	-0.07768132	0.07768132
AASDHPPT	-0.09159965	0.03511778	0.1124517	0.03732726	-0.05559208	0.08684935	-0.1591279	0.1591279
MAPK15	-0.03563506	0.02780336	0.03338796	0.00427107	-0.00701094	0.100396	-0.1195216	0.1195216
ECHS1	-0.04313536	0.1241939	-0.01588973	-0.05535703	-0.06503022	-0.03873046	-0.2379525	0.2379525
CEP76	-0.07678218	0.05620179	0.05400651	-0.00574535	-0.0307704	0.03726195	-0.2185311	0.2185311
GGT6	0.04521741	0.1334765	-0.1323752	-0.09434341	-0.00964527	-0.08810951	-0.1733758	0.1733758
EDEM2	-0.01214453	0.08511751	-0.00865107	-0.02005796	-0.0360212	0.00699416	-0.02544837	0.02544837
CEACAM3	0.00369661	0.0846316	0.01047165	0.03647669	-0.04921332	0.01218453	-0.01676727	0.01676727
KRT6A	-0.00513762	-0.01720196	-0.1456997	-0.0535854	-0.02926672	-0.04511401	-0.08260737	0.08260737
FANCB	-0.06465182	0.05598143	0.0835957	0.01447361	-0.00512668	0.1164522	-0.2195595	0.2195595
POLE4	-0.02652547	0.05484489	-0.05761262	-0.04018268	-0.06400549	-0.07776757	-0.06435646	0.06435646
SEC63	0.07838199	0.05510294	0.1296504	0.1207196	-0.00857583	0.09167236	0.00485578	-0.00485578
CD209	0.0576044	-0.0355845	0.1860671	0.1570861	0.03747808	0.02887815	0.09825724	-0.09825724
SLC2A4RG	0.04534354	-0.0054255	-0.04486718	-0.00786585	-0.00600484	0.01375021	0.02547616	-0.02547616
SPRR1A	-0.01077128	-0.01084959	-0.1154299	-0.0386475	-0.03023587	-0.03450971	-0.06481998	0.06481998
DUSP26	-0.0098822	-0.1662367	0.05297084	0.00053853	-0.00902242	-0.00369905	0.3814262	-0.3814262
TRO	0.0473813	-0.08261835	0.07881145	0.08376768	0.00872274	0.03953069	0.410471	-0.410471
SEMA6A	0.03063553	0.03047016	0.01344556	0.1147781	0.0816741	0.104641	0.01703758	-0.01703758
IGSF1	0.00477163	-0.04331987	-0.00976441	0.0712462	0.04805022	-0.02951593	-0.0004613	0.0004613
RBM27	0.03379055	-0.04567782	0.2054189	0.1214139	-0.0056959	0.1804109	-0.0976376	0.0976376
FER	0.04285935	0.03109584	0.1151384	0.06508802	0.02042834	0.03428778	0.2179094	-0.2179094
CD8A	-0.02717066	-0.00373023	0.2047359	0.00513485	0.03093163	0.0836482	0.1586631	-0.1586631
CCDC183	-0.06663489	0.07747672	-0.07765611	-0.06508375	0.05765785	-0.05026853	-0.1136289	0.1136289
RPL23	-0.00211192	-0.05109072	-0.00753713	0.01034767	-0.02909525	0.05705646	0.01323352	-0.01323352
PRELID3A	-0.08012487	0.0831005	0.04944771	0.0261596	0.05996807	0.07466078	0.04264325	-0.04264325
DNAJC18	0.011857	-0.1917817	0.1186296	0.08286532	-0.00202218	0.02155757	0.451583	-0.451583
PIK3R4	0.03332362	0.02056123	0.1407005	0.09158981	0.00358831	0.1241199	-0.09686493	0.09686493
SPARC	0.02628744	-0.04381183	0.1248438	0.02337456	-0.00943493	-0.00754448	0.6231585	-0.6231585
ENPP2	0.02179608	-0.1176729	0.06375488	0.08956125	-0.01366255	0.04320413	0.1727627	-0.1727627
PPP1R18	-0.02384972	-0.06429197	0.1175899	0.02467687	0.05034683	0.04091177	0.4686085	-0.4686085
PPP1R12C	-0.04325474	-0.1289702	0.08470531	0.02635294	0.01827345	-0.00817574	0.3063668	-0.3063668
SPPL2A	0.05320069	0.01947121	0.1208531	0.04495474	-0.0302278	0.05522089	0.00309462	-0.00309462
WDR82	-0.06679562	0.00055427	0.1450035	0.03114816	-0.01195908	0.03316297	0.02721245	-0.02721245
CHP2	0.01786087	0.06818688	-0.05141854	-0.03909749	-0.02943687	-0.06277613	-0.1546364	0.1546364
POLDIP2	-0.04841537	0.02384482	-0.04092701	-0.07151003	0.1033205	-0.00547247	-0.2174885	0.2174885
COQ6	-0.104562	0.03154749	0.02328884	0.03788595	0.01757586	0.04390451	-0.1242193	0.1242193
GUCY2C	0.02813659	0.07955832	-0.0794384	0.00820874	-0.0403644	-0.01769028	-0.1875972	0.1875972
PODNL1	0.02476316	-0.03818074	0.06488242	0.01281201	-0.04023706	0.01675716	0.5205372	-0.5205372
CNTD1	0.03932122	-0.03276089	0.06701836	-0.06277099	0.01990982	0.00968858	-0.09614609	0.09614609
ESPNL	0.00545217	-0.03934449	0.00316789	0.05490057	-0.00347847	0.06760775	0.02875068	-0.02875068
ZNF772	-0.01681543	0.01430353	0.03803951	0.06543165	-0.00234516	0.04091992	0.00336461	-0.00336461
SF3A3	-0.03882453	-0.0050751	0.08655251	0.04515116	0.02683244	0.09838764	-0.1214364	0.1214364
RAB33A	-0.09504977	-0.03492142	0.1166416	-0.01286495	-0.0423293	0.04266547	0.1861472	-0.1861472
PHYHIP	-0.01086506	-0.1664111	0.04738584	0.03539514	0.01134222	0.07335566	0.380626	-0.380626
ZNF296	-0.1653741	0.06197114	-0.08840907	-0.02685752	-0.03662848	4.07E-06	-0.2301424	0.2301424
MAP1B	-0.03371853	-0.1475179	0.1137857	0.03771298	-0.00036754	-0.02821395	0.4364038	-0.4364038
CSGALNACT2	0.0388698	-0.03588504	0.2205147	0.09346032	0.00200051	0.05928048	0.4355106	-0.4355106
GMPPB	-0.04660762	0.09279809	-0.06225448	0.05156374	-0.03403466	0.04926526	-0.2218325	0.2218325
FXYD5	-0.02325121	-0.01948457	-0.01578766	0.01014369	0.1191819	0.06162521	0.05127209	-0.05127209
CDK10	0.1185821	0.1878063	-0.00230292	0.06401917	0.1149085	-0.00651934	-0.2091088	0.2091088
BEST1	0.09881707	0.04636883	0.08689571	0.04697791	0.08028841	0.01304181	0.227516	-0.227516
TMEM79	0.05912403	-0.01676336	-0.175431	-0.06504927	-0.00667538	-0.06830131	-0.1199286	0.1199286
GBE1	-0.05129602	0.01484199	0.06935933	0.08920656	-0.01203893	-0.02630298	0.04393004	-0.04393004
SERP2	0.06271815	-0.09027904	-0.01965698	0.01569965	0.05182428	-0.02060642	0.2250644	-0.2250644
INTS9	-0.0277532	-0.00817206	-0.05970143	-0.03638471	-0.06014424	-0.0941123	-0.1015139	0.1015139
KLRG2	-0.02072347	0.05084856	-0.09766544	-0.09036624	-0.00257279	-0.07315544	-0.1032967	0.1032967
ACTR6	-0.0770706	0.07013559	0.06971892	-0.006354	-0.03465149	0.04723329	-0.1592517	0.1592517
PROM2	0.03995169	-0.00025439	-0.1804982	-0.00280919	-0.06517566	-0.04866349	-0.2270771	0.2270771
DEFB1	-0.08707359	0.05631747	-0.09048872	-0.1100253	-0.04097717	-0.1018308	-0.06492683	0.06492683
RPRD1A	-0.03118533	0.06613418	0.1296686	0.06845257	-0.00216439	0.06940824	-0.1207285	0.1207285
EPHA2	0.05699233	0.07313457	0.03234773	0.02003321	-0.00192902	0.04968935	-0.1369645	0.1369645

ZNF629	0.1030047	0.02064028	0.03590318	0.06363313	0.1282491	0.07187626	-0.01061387	0.01061387
MADD	0.0409889	0.04232673	0.05709691	-0.02364165	-0.01139239	0.08850051	-0.02520338	0.02520338
PROB1	0.05390301	0.01019515	-0.00688676	0.05802033	0.07962507	0.09303895	0.01124667	-0.01124667
STEAP2	0.01409326	0.0455007	0.09954962	-0.01005603	0.04904682	0.02736582	0.1278317	-0.1278317
IRF2BP1	-0.03461879	-0.03481974	-0.07577858	0.02948407	-0.01380296	0.02805862	-0.00371393	0.00371393
ASPH	-0.05208698	0.0452625	0.03901213	0.04766833	-0.03313823	-0.00436579	-0.1772241	0.1772241
TDRKH	0.06163119	0.03530033	-0.03037825	-0.0187018	0.04372642	0.00407216	-0.04419767	0.04419767
AXDND1	0.05692228	-0.05379517	-0.06017002	0.01389114	-0.05648661	-0.05279697	-0.1212791	0.1212791
UBTD2	0.00822147	0.01058729	0.09981443	0.1242792	0.03881375	0.1020821	0.1366955	-0.1366955
ZNF404	0.04122049	-0.09060645	0.02081486	0.01572642	0.05756229	-0.05326123	0.05725403	-0.05725403
S100A14	0.0035963	0.02746468	-0.05006431	-0.03918102	-0.01813989	0.02443144	-0.1585034	0.1585034
SEC23IP	0.03917154	0.05254128	0.04171031	0.07777144	-0.01337109	0.07126768	-0.1705925	0.1705925
ZNF185	0.02439746	0.0053261	-0.173834	-0.02722628	-0.01397446	-0.05624911	-0.1223312	0.1223312
IGFBP7	0.00355898	-0.1535573	0.1640539	-0.01491814	0.01167783	0.01573089	0.6143833	-0.6143833
VOPP1	0.0487868	0.03322703	0.05566868	-0.06132334	0.1250101	0.02791526	0.1304417	-0.1304417
MRPL49	0.04043861	0.09063043	-0.05794453	-0.01724479	0.02361081	0.02954771	-0.146672	0.146672
MYB	-0.01287624	0.1674225	-0.04449584	-0.1400457	0.05413439	-0.06449802	-0.2165093	0.2165093
OAS3	-0.02175253	0.09625064	0.1126756	-0.06405502	-0.03402795	0.05390198	-0.03856324	0.03856324
CFAP300	-0.04102615	-0.00771919	-0.06089529	0.00972448	0.00477384	0.01794999	0.09323835	-0.09323835
MAST1	-0.02006127	0.03489437	-0.04558452	-0.08289772	0.02869189	0.00044935	0.02239624	-0.02239624
DKK4	0.07006479	-0.09309541	-0.0213165	-0.0198726	-0.04138037	0.00811078	-0.04683236	0.04683236
PIK3AP1	-0.04740683	0.01757895	0.1216442	0.0487465	0.09977726	0.09167214	-0.02609777	0.02609777
HLTF	-0.04398399	-0.09155108	0.06420261	0.06349288	-0.0438975	0.04330603	-0.07850668	0.07850668
DENND2A	0.1162813	-0.1109305	0.06768579	0.07069118	0.02034788	0.01959584	0.22476	-0.22476
STAT4	-0.04381295	0.00486086	0.1594458	0.056538	0.05793826	0.03722849	0.1615279	-0.1615279
CYP2S1	-0.09124019	0.07000426	0.01155266	-0.01246513	-0.05951525	0.01839838	-0.2069135	0.2069135
MORN4	-0.07276188	-0.06240097	0.01900531	-0.00256791	0.00272822	0.02441802	0.2343735	-0.2343735
FCN3	0.06896948	0.1618861	-0.01248195	-0.09043138	0.02331627	-0.1144288	0.06320242	-0.06320242
C15orf62	0.1087563	0.00076704	-0.1260587	-0.04668994	0.00900969	-0.03066564	-0.1101964	0.1101964
STX7	-0.09871569	0.05473795	0.1586532	0.1015491	0.02947436	0.0590579	-0.01196068	0.01196068
SNRPA1	-0.00451453	0.1400798	-0.02509696	0.07015238	-0.033815	0.08950979	-0.2499362	0.2499362
NRG1	-0.01145578	-0.02527374	-0.03971376	0.1147265	-0.01028492	-0.01086115	-0.07107158	0.07107158
ZBTB24	-0.03255809	0.05166395	0.1411958	0.103516	0.02683241	0.1132394	-0.06795047	0.06795047
UCKL1	0.04141192	0.1550689	0.02571297	0.05956076	-0.00323031	0.05252026	-0.1579273	0.1579273
DENND6A	0.01862415	-0.0289901	0.1380088	0.06888364	0.04696505	0.02317233	0.07348336	-0.07348336
MED10	-0.01251814	0.1179611	0.0167186	-0.07289121	-0.05540524	0.01822996	-0.04730863	0.04730863
GRHL2	0.1133529	0.1300086	-0.03323122	-0.04622712	-0.00273126	0.01100041	-0.2886482	0.2886482
WSB1	0.06464277	0.08330088	0.1019694	0.1326058	0.07161866	0.1011794	-0.01796303	0.01796303
ACO2	-0.00820133	0.05732739	-0.05191066	-0.04465979	-0.01628416	-0.08271019	-0.1649558	0.1649558
OAS2	-0.01304872	0.04231059	0.1573611	-0.02206909	0.01306222	0.06299473	0.04443142	-0.04443142
SIGLEC9	0.04201832	0.00405619	0.1347677	0.04037577	-0.01737795	-0.0029321	0.2457639	-0.2457639
DDX27	0.07765701	0.06813736	0.03661927	0.09568649	0.00212987	0.08533312	-0.1622964	0.1622964
SEC62	0.06678712	-0.08224612	0.20834	0.1615962	0.0416294	0.1104709	0.1405829	-0.1405829
FBXL20	0.04178112	-0.02852063	0.1080672	0.03409684	0.1024671	0.1066883	0.05781298	-0.05781298
CAPN8	0.01705083	0.1128028	0.02731423	0.0676826	-0.04046392	0.04424453	-0.2368451	0.2368451
MVD	0.06259673	0.1136907	0.05893413	0.01377059	0.1558725	0.05505142	-0.1868889	0.1868889
RHCG	0.03694987	-0.02593232	-0.186436	-0.07755821	-0.02418354	-0.08291648	-0.0878179	0.0878179
DDX49	-0.04773122	0.1083559	0.02794539	-0.04604528	-0.00872091	-0.00434859	-0.1263042	0.1263042
NMU	0.00994684	-0.00816716	-0.01180213	0.04496199	-0.03421991	0.03179267	-0.083068	0.083068
SERP1	-0.04558554	-0.02073037	0.09989223	0.1290636	-0.09192104	0.1243746	-0.1714508	0.1714508
JSRP1	-0.02343952	0.04132991	0.06329376	0.07529812	0.05380832	0.09842593	0.05926219	-0.05926219
CAVIN1	-0.05833166	-0.1464573	0.1300665	0.03345057	0.00442484	0.02291475	0.5410842	-0.5410842
KRBA2	0.03638736	-0.06073663	0.03834498	0.06360441	0.00728911	0.01262106	0.2635961	-0.2635961
STRBP	0.01520425	0.08024093	0.05120937	-0.06067114	-0.01468037	0.04067983	-0.2647235	0.2647235
IQANK1	0.02287315	0.05225778	0.00326924	-0.02233706	-0.02874567	0.02483351	-0.2369557	0.2369557
CFAP36	0.01663386	-0.06101403	0.1421373	0.04145307	-0.03978402	0.0157234	0.07207298	-0.07207298
TOR1B	-0.05097268	0.1113548	0.1213571	-0.02171073	0.02990263	0.03380015	-0.04955583	0.04955583
MYOF	-0.02885437	0.02469717	0.1368037	-0.01775066	0.06009402	0.0491143	0.1259793	-0.1259793
LYPD6B	-0.002846	-0.05249636	-0.01890577	0.04715167	-0.06665789	-0.01542313	-0.1697761	0.1697761
RBM4B	-0.07426008	0.0313798	0.06156596	0.03437771	0.01967342	0.08340767	0.1023148	-0.1023148
AMIGO1	-0.02288367	-0.1249334	0.06146341	-0.00998963	0.0359716	-0.01926527	0.1823241	-0.1823241

RNF141	-0.02280595	-0.01506596	0.08446131	0.01954383	-0.0129702	0.06970776	-0.1889464	0.1889464
NGG5	-0.1317337	0.01720375	0.00135012	-0.04017802	-0.0403045	-0.02675429	-0.09595254	0.09595254
GSTA2	-0.0495218	-0.00679617	-0.06659945	0.01867639	-0.02473673	-0.03546351	-0.1614654	0.1614654
WASHC1	0.01766332	0.1396998	0.00049474	0.00463292	0.1565567	-0.0154394	-0.09484207	0.09484207
LGALS4	-0.09194825	0.06780264	-0.0196961	0.03357098	0.01668147	-0.000648	-0.1851627	0.1851627
TAS2R38	0.1354176	0.1143341	-0.01303675	0.03885028	0.0450237	0.02959552	-0.1311139	0.1311139
ETV1	0.02784863	-0.1051638	0.01136541	-0.02887298	0.02032144	-0.03689121	0.09662853	-0.09662853
CHCHD6	-0.1058891	0.00771151	0.08378107	-0.02131432	0.01233494	0.06016818	-0.02134499	0.02134499
MAGEH1	-0.00693948	-0.1686672	0.1392713	0.07694442	-0.01790653	0.0374282	0.4354077	-0.4354077
FGFRL1	0.09429563	0.00952105	-0.08864888	-0.09833179	-0.06155769	-0.04864797	-0.03203524	0.03203524
NAT9	0.05280581	0.1173809	-0.07486374	-0.01788158	0.06245912	-0.01125703	-0.1655554	0.1655554
ZKSCAN1	0.1215044	-0.03669555	0.00107016	-0.00345342	-0.03826483	0.00907686	-0.1368979	0.1368979
TMEM42	-0.029084	-0.03622185	-0.02340071	-0.05087822	0.01572387	0.00126534	-0.03799725	0.03799725
YY2	0.02977736	-0.03315021	0.1764843	0.04018419	0.03665918	0.1364989	0.09723389	-0.09723389
TBK1	0.0473361	0.07490548	0.1585043	0.09969785	-0.03239201	0.1367848	-0.05795089	0.05795089
PLA2G2D	-0.00621389	-0.00315364	0.07789575	0.04300201	0.02696501	0.05204783	0.0788706	-0.0788706
REM1	-0.01066318	-0.1392954	0.1059979	-0.01652758	0.1119191	0.00717847	0.4518085	-0.4518085
OSBPL3	0.06192879	0.1251192	0.02985506	0.01894103	0.01254341	0.08924247	-0.1735659	0.1735659
IQSEC2	-0.1265216	0.03740434	0.02808819	-0.03005759	0.06158026	0.00829474	0.1384902	-0.1384902
FAM193A	0.05702241	0.00105671	0.01067313	0.02676395	0.00441372	0.02241074	0.02944313	-0.02944313
RAB28	0.00395554	0.02082455	0.1105029	0.00741072	-0.00238651	-0.00663923	0.08431772	-0.08431772
AIMP2	-0.02355048	0.01878924	0.03713188	-0.07807175	-0.04401215	0.00798873	-0.1570958	0.1570958
RAB43	0.04393917	-0.07205122	0.03875247	0.02447223	0.05877173	0.06421226	0.02589896	-0.02589896
HMGN2	0.02547377	-0.00979167	0.05895432	0.03802224	-0.05477724	0.07851157	-0.1309244	0.1309244
ZNF682	0.02249061	-0.04347397	0.04191963	0.02978879	-0.01528886	0.01612544	-0.09266792	0.09266792
EPB41L1	0.01722496	0.00402441	0.09620447	0.0389985	0.02426709	0.09416405	-0.0936565	0.0936565
TSPAN15	0.05450492	0.08739586	-0.1163533	-0.08340983	0.06764659	-0.1000273	-0.120482	0.120482
CEBPZOS	0.01321564	-0.02561259	0.1262747	0.02032643	0.04106427	0.06623035	-0.06331619	0.06331619
CES1	0.05668494	-0.00305681	-0.00136105	-0.02672517	-0.05250636	-0.01508086	0.03063247	-0.03063247
SMAD2	-0.0445336	0.03770452	0.2039182	0.09277996	-0.00027312	0.06569285	0.00075107	-0.00075107
GRIK5	-0.03768929	-0.1331358	0.113671	0.03032319	0.05843242	-0.04961619	0.3541915	-0.3541915
LY6H	-0.1058659	-0.07550516	0.03877536	-0.01913262	0.01372548	-0.00906746	0.2281958	-0.2281958
KLHL7	0.03350486	0.02573084	0.1042108	0.02026435	0.03214425	0.02171479	0.04298458	-0.04298458
PDE8B	-0.04951327	-0.1306046	0.1190177	0.05679314	0.07122227	0.00369912	0.31801	-0.31801
MCTS2P	0.02341245	0.134233	-0.03649183	-0.01317148	-0.04419618	0.01666748	-0.13617	0.13617
IRX3	-0.00499331	-0.05099606	-0.09346372	0.03440909	-0.04401392	-0.00388549	0.05173173	-0.05173173
DBP	-0.08625538	-0.01743521	-0.04235761	-0.05848897	-0.06369784	-0.0127067	0.1011712	-0.1011712
HBA1	0.00692575	0.0054333	-0.04840266	0.04224361	0.1356117	-0.08027672	-0.02666711	0.02666711
MSMO1	0.08551007	0.02449193	0.02779452	0.00142719	0.05420252	0.06419801	-0.1941707	0.1941707
FGF7	0.0209388	-0.1505277	0.176063	0.1112494	0.03445685	-0.03850178	0.4706792	-0.4706792
ZC3H6	0.04565818	-0.1227642	0.1636618	0.1009543	0.04345137	0.04317078	0.1884787	-0.1884787
KCNK3	-0.02154881	-0.143809	0.02225383	0.1020938	0.09062438	-0.01963609	0.2756923	-0.2756923
DENND2D	-0.04009471	-0.02777953	-0.0061098	-0.00587038	-0.00398278	0.03593562	-0.1639076	0.1639076
RGN	-0.01519119	-0.07210845	0.02874215	-0.0174834	-0.05576803	-0.02097736	-0.04464897	0.04464897
DUSP1	0.03415275	-0.04663124	0.04734811	0.01907537	0.1091742	-0.08861155	0.3305973	-0.3305973
ARHGAP35	0.05283206	-0.01055124	0.03811395	0.06628888	0.07028189	0.06911859	0.00575559	-0.00575559
TMEM147	-0.05799792	-0.00700859	-0.07450504	-0.06953267	-0.02452706	-0.00429866	-0.03087693	0.03087693
ZNF628	-0.03648489	0.01609467	-0.00123219	-0.01327681	-0.02723879	0.00497004	0.05506487	-0.05506487
RIC1	0.01370416	0.05570209	0.1527031	0.02042479	-0.02421761	0.05633533	0.07773884	-0.07773884
F5	0.06316813	0.02471899	0.04347382	0.02171033	0.01323961	0.09343555	-0.06342726	0.06342726
ZNF626	-0.00740999	-0.1226822	0.08201191	0.00857873	0.00595399	-0.01450966	0.1451258	-0.1451258
RBM15	0.01416903	0.02681107	0.1198181	0.06236808	0.02308065	0.1293937	-0.2045927	0.2045927
SLCO2A1	0.05681258	-0.04288921	0.1095619	0.1031204	0.03173945	0.05554742	0.2229456	-0.2229456
TBC1D9B	0.05801936	0.01024549	0.05830996	0.04010199	0.06991812	0.106014	0.02402351	-0.02402351
NIPSNAP3B	-0.03630048	-0.1017864	0.082667	0.05768532	0.00042892	-0.00142978	0.3598589	-0.3598589
SCGB2A1	-0.00121397	-0.01547003	-0.1308796	0.04751987	-0.04450114	0.00959544	-0.03801562	0.03801562
SMCO2	0.0838978	0.00446444	-0.00142216	-0.0111891	-0.04331293	-0.01303221	-0.064616	0.064616
ALPL	-0.0465121	0.0283813	-0.06826899	0.08038497	-0.0322938	0.07782295	0.0280453	-0.0280453
FAM155B	-0.05953365	-0.00314836	-0.00388987	0.04669443	-0.00299673	0.08880964	0.01220715	-0.01220715
ADAR	-0.01406877	0.04922798	0.1067794	0.1000229	0.05251952	0.1108979	-0.08811345	0.08811345
MRPL30	-0.04932034	0.04256504	0.09814039	0.01679846	-0.01824084	0.06750052	-0.2189811	0.2189811

ZNF7	-0.0466833	0.1344011	0.04084282	0.03729584	0.01287479	0.05023556	-0.1850621	0.1850621
HBEGF	0.0676009	0.0363229	-0.07422963	-0.04123345	-0.0473719	-0.06543248	-0.07811564	0.07811564
PRAP1	0.06134354	0.00999222	-0.08826601	-0.04155035	-0.01220529	-0.04641301	-0.128025	0.128025
IFT22	0.00750115	-0.0697693	-0.0099346	-0.00912982	0.00061492	0.00328722	0.09014497	-0.09014497
SETD1A	0.07946264	0.04153541	0.06262348	0.04907374	0.08782885	0.08519269	-0.02573424	0.02573424
TRPV4	0.0700071	0.0031964	-0.09445056	-0.06304667	-0.01408509	-0.05894868	0.1125337	-0.1125337
PSMB2	-0.08455441	0.1031598	-0.03933824	-0.02626951	0.04774631	0.01129726	-0.1540955	0.1540955
OSCAR	-0.01364	0.00252178	0.100481	0.01065516	0.0170358	0.02225934	0.3141831	-0.3141831
TSPAN13	-0.00023915	0.1093693	0.08359366	0.0222685	-0.03291742	-0.03378705	-0.2938302	0.2938302
FAM78B	-0.05356818	-0.03902185	0.09217892	0.0751822	0.00359617	0.02242858	0.2003455	-0.2003455
TFAP2C	0.02753308	0.03093448	-0.05296357	-0.07494125	0.03752269	0.04004522	-0.08455938	0.08455938
SMIM24	0.07583519	-0.02468913	-0.08903429	0.06732699	-0.05600021	-0.06752561	-0.1295758	0.1295758
RHBDL1	0.03568903	0.07543415	0.01926905	-0.00546318	0.00047587	-0.02026041	-0.02062866	0.02062866
CREB1	0.03607076	-0.04473105	0.1738177	0.09815494	0.01333563	0.1005103	0.02699798	-0.02699798
PRDX1	-0.04285306	0.027503	0.01608156	0.04596356	-0.04347533	-0.02664843	-0.2254437	0.2254437
CDR2	0.01117522	0.06750795	0.1210769	0.05532664	0.04275908	0.01593723	0.02405037	-0.02405037
PASK	0.06384687	0.05436917	0.09112535	0.0488567	0.02875653	0.1026059	-0.1614015	0.1614015
ZNF696	-0.04500712	0.0770254	0.02884555	-0.01312849	0.01508014	0.06419603	-0.08458919	0.08458919
ZNF232	0.00685653	0.1866899	0.04823639	0.00948737	0.00548992	0.06208387	-0.131978	0.131978
C1orf198	0.09425502	-0.0729571	0.1303725	-0.03097977	0.08982404	-0.00313459	0.2995894	-0.2995894
STMN1	-0.05833625	-0.00574727	-0.02840262	0.00728379	-0.02372454	0.03554751	-0.1646787	0.1646787
PIDD1	0.06297366	0.09153273	0.02114012	0.00639271	0.05574359	0.06183243	-0.1223108	0.1223108
MRPS30	-0.08534092	0.06567873	0.05116707	-0.0388081	-0.02071953	0.08109157	-0.1563523	0.1563523
TOE1	-0.09278453	0.09023786	-0.00786628	0.06638262	-0.02234212	0.03923586	-0.2747121	0.2747121
PCYT2	0.08637407	0.08091676	-0.1252573	-0.06144277	0.02299851	-0.04616305	-0.2179617	0.2179617
SLC35D1	0.06861789	0.04383721	0.1078588	0.07569214	-0.02673452	0.07117819	-0.2361582	0.2361582
ABCF1	0.06353162	0.05171965	0.07398311	0.0518962	-0.00890945	0.08574077	-0.09508588	0.09508588
PRPF4B	0.02190282	0.0706258	0.1464328	0.0749585	0.03076639	0.1208507	-0.217418	0.217418
MKLN1	0.03235055	0.06045306	0.1314749	0.06455512	0.04416219	0.0674005	-0.1381403	0.1381403
SETD3	-0.04744523	0.03644986	0.1190289	0.01668621	0.06848434	0.01802959	-0.07081467	0.07081467
PABPC4	-0.0821399	-0.09825229	0.05454844	0.07518497	0.01232376	0.07294404	0.08828012	-0.08828012
KCNMB4	0.01955594	-0.1236084	-0.04879049	-0.09558433	0.00397651	-0.04227144	0.05480286	-0.05480286
ENY2	-0.03034749	0.1019284	0.03216984	0.09827155	0.04371283	0.02140427	-0.0802769	0.0802769
MTIF3	-0.03180685	0.03725371	0.03669723	0.00038302	-0.02700881	0.02676415	-0.1114581	0.1114581
CLYBL	-0.02414551	0.08750704	0.00156098	-0.07791431	-0.01812206	-0.04939609	-0.128668	0.128668
TBL2	0.00647571	0.1415118	-0.03957195	-0.03526043	-0.00118078	-0.02342926	-0.1388169	0.1388169
PARM1	0.0518061	-0.03743552	0.02570788	0.04198149	0.00177642	0.1028837	0.1245084	-0.1245084
SLC5A6	0.06248294	0.08456278	-0.01702122	0.03437214	-0.01377916	0.02395976	-0.1973275	0.1973275
CTNND2	0.08299311	-0.1189007	0.00831635	0.07924659	-0.07333936	0.00494608	0.124333	-0.124333
GCSH	-0.1136891	0.03164826	0.1325677	0.06497105	0.01963673	0.0725488	-0.1230832	0.1230832
ZFAND5	-0.03746373	0.04815656	0.0955697	0.06411923	0.03538269	0.06541782	0.106498	-0.106498
TMEM165	-0.00426818	0.09938108	0.07427431	0.02813219	-0.04821481	0.01826836	-0.1381404	0.1381404
NEO1	0.08870713	-0.0053453	0.01923446	0.03521466	0.00459626	0.09948518	-0.04546765	0.04546765
ZNF776	0.05218044	0.06070734	0.06997323	0.07933384	0.04746833	0.03635921	-0.0634604	0.0634604
HIST1H3J	-0.1098959	-0.0532099	0.00155755	-0.05775428	-0.0799282	0.01714799	-0.09322153	0.09322153
TMEM230	0.07340081	0.00559458	0.06058975	-0.00608054	-0.08634385	-0.03624167	-0.00974834	0.00974834
ACOT2	-0.01140803	-0.04721541	-0.03249545	-0.02163605	-0.03094312	-0.04284498	0.1242989	-0.1242989
ZDHHC17	0.05031856	-0.00649888	0.2095749	0.1325376	0.03093276	0.08576039	0.1525053	-0.1525053
ACSM3	0.02674986	0.03962258	-0.02327367	-0.05426419	0.04159935	-0.04260293	-0.1213728	0.1213728
ZMYM5	0.02073485	-0.04480473	0.224818	0.1297424	-0.01882833	0.1669331	-0.03305654	0.03305654
SLC26A9	0.1346001	-0.0740166	0.05394119	0.04738075	0.03090506	0.1102335	-0.1035482	0.1035482
PDGFRA	0.08799788	-0.1391578	0.115607	0.1085462	-0.03652486	-0.00984167	0.3244274	-0.3244274
RABEP2	0.1271284	0.06784061	-0.04590353	0.02517348	0.04550695	-0.04271229	0.02332221	-0.02332221
AGL	-0.05766981	0.03263991	0.1204908	0.07369741	-0.05984075	0.0107081	-0.1898587	0.1898587
ABCA6	0.03532057	-0.1489123	0.1818468	0.1355324	0.00265031	0.02924284	0.4135825	-0.4135825
ABHD2	0.07159886	0.06681582	-0.00211245	0.01008519	-0.03909967	0.0461775	-0.1112805	0.1112805
MTMR3	0.00532325	-0.03311585	0.06286519	0.01978405	-0.01025603	0.0289651	0.08418893	-0.08418893
H1FO	0.0306749	0.01396275	-0.1120396	-0.1126378	-0.02396513	-0.07643136	0.05823554	-0.05823554
SLC25A1	-0.0427481	0.1075709	-0.03624541	-0.06738072	0.02299913	-0.00911006	-0.1565601	0.1565601
GRAMD4	0.01846996	0.0563169	-0.03771769	0.02088235	0.04404822	0.02531313	-0.1379037	0.1379037
CCN1	0.02132441	0.00133957	0.08832101	0.02144327	0.06632119	-0.05234417	0.4269825	-0.4269825

LAMC3	0.07804957	0.04093615	-0.07503836	-0.01078095	-0.01814877	-0.02800529	0.09796499	-0.09796499
TMEM178B	0.01423542	-0.04852607	0.02198191	-0.06561858	-0.02152097	0.0389056	0.00073601	-0.00073601
SLC3A2	0.07630406	0.06480799	-0.03031646	-0.05083399	0.02300013	0.04559257	-0.07062607	0.07062607
TP53I3	0.0835103	-0.03560243	-0.1367511	-0.1082297	-0.04524036	-0.1096197	-0.1256171	0.1256171
COL4A1	0.09836401	0.05861497	0.108228	0.01920159	0.0285426	0.04874387	0.2976334	-0.2976334
CDYL	-0.00410131	0.00840518	0.1087833	0.108631	0.00906071	0.1008196	0.03412922	-0.03412922
ACVRL1	0.07610031	-0.02430195	0.1153838	0.03428103	0.04203085	0.06287829	0.3120935	-0.3120935
BMX	0.02332143	-0.06290834	0.01512006	-0.03624048	-0.02189901	-0.07414321	0.07771065	-0.07771065
PPFIBP1	-0.00077813	-0.06942258	0.08024723	0.07849024	-0.00840599	0.06037899	0.08048602	-0.08048602
GCSAM	-0.01002388	-0.0186153	0.0392384	0.09388531	0.00971363	0.06120062	-0.0305244	0.0305244
KIAA1143	-0.02697229	-0.03188903	0.1380806	0.00776402	0.00186296	0.08598114	0.00045503	-0.00045503
DR1	-0.02672742	0.02440666	0.1346575	0.07048037	-0.01856619	0.07834913	-0.04292002	0.04292002
UBR2	0.02765004	0.1792275	0.0366702	-0.01720721	-0.04446592	0.01332899	-0.1593257	0.1593257
CHTF18	-0.01019535	0.09289424	0.00467831	-0.03800203	-0.00970792	0.015645	-0.2505728	0.2505728
RAD50	0.02333316	-0.04128337	0.1562124	0.1409812	0.01422001	0.1721128	-0.05206575	0.05206575
RPS9	-0.1146737	-0.0604517	-0.02119179	-0.04354793	-0.04908525	0.01548385	0.1269083	-0.1269083
ILF2	-0.03943701	0.06357107	-0.00779323	0.0346787	0.04238562	0.03446555	-0.2365564	0.2365564
CDC40	0.00452244	0.05265747	0.1801327	0.1130678	0.00056468	0.08965206	-0.1305797	0.1305797
ST6GAL1	0.04288846	0.03062335	0.1350623	0.07283587	0.0293622	0.1166405	-0.06116152	0.06116152
TUBA4A	-0.1509716	0.04287473	-0.08814294	-0.04377818	0.00530423	0.00487733	-0.04921682	0.04921682
AATF	0.03670309	-0.09701167	-0.06431945	-0.03251438	-0.01012516	-0.0220899	0.04979323	-0.04979323
RALGPS2	-0.00226584	0.00352325	0.03007567	0.06100097	-0.00067759	0.07113454	-0.1747823	0.1747823
CDK17	0.02879351	-0.1093942	0.2202418	0.1137705	0.06616343	0.08815755	0.2170394	-0.2170394
CCDC152	-0.02820929	-0.0493431	0.02986429	0.00158348	-0.00741273	0.00465022	0.1078488	-0.1078488
ZNF768	0.01608383	0.00261309	-0.05169383	-0.07306542	0.1246594	-0.05160502	0.00177165	-0.00177165
PARG	0.08097203	0.00494091	0.1195021	0.01170165	0.03265627	0.1118677	-0.1416866	0.1416866
MIER1	-0.02133901	0.05589275	0.1728092	0.04748652	-0.00162584	0.02273722	0.0289617	-0.0289617
SLC25A22	-0.0495271	0.1064448	0.01364269	-0.05134678	-0.01520323	0.0476456	-0.1665193	0.1665193
SIGLEC1	0.01206263	0.03736508	0.2144703	0.1222398	0.1068938	0.06177209	0.218459	-0.218459
WDR59	0.05817006	0.1102422	0.04411613	0.06200362	0.1819328	0.07149682	-0.2004511	0.2004511
ZNF444	0.05094277	-0.01669429	-0.08269671	0.01653953	-0.02162209	-0.00303259	-0.00523484	0.00523484
MRNIP	0.107626	0.02763524	0.0671904	0.1169368	0.08182908	0.1024868	0.06104322	-0.06104322
C20orf144	0.07059058	0.06700133	-0.01455625	0.06117833	0.01442707	0.05712998	-0.09289786	0.09289786
SRSF12	-0.05206636	-0.04855908	-0.01619569	0.00924382	0.06033014	-0.03886901	0.1127029	-0.1127029
POM121	0.03360439	0.0346717	0.04460408	0.04483246	0.01730032	0.08247868	-0.125709	0.125709
AIP	-0.04011482	0.03842334	0.06799998	-0.02166297	-0.03555859	0.05287332	0.171442	-0.171442
PPP1R1A	-0.0961742	-0.1564619	0.03243052	0.0546936	-0.01796898	0.02304498	0.2526057	-0.2526057
ABCB1	0.05148132	-0.03995741	0.0356871	-0.05694818	0.01088548	-0.03312757	0.01494105	-0.01494105
HTT	0.05442433	0.03762569	0.0190776	0.05264602	0.01853777	0.01143609	-0.09163084	0.09163084
EIF4A3	-0.04151743	0.09367705	0.00171791	0.00692305	0.01724348	0.06893461	-0.1606467	0.1606467
CDC42BPB	0.03700677	-0.01904969	0.105005	0.121729	0.06860175	0.1440772	-0.070969	0.070969
IDH3G	0.00243111	0.06733263	-0.0756896	-0.04080625	0.01910041	-0.00434796	-0.0577601	0.0577601
C19orf25	-0.04930643	0.0336166	-0.01782604	-0.05700251	-0.03221166	0.01879378	0.05185317	-0.05185317
TOMM5	-0.09866318	0.06904762	-0.01576186	-0.04302023	-0.01239492	0.048083	-0.09945642	0.09945642
GLCE	0.09733208	-0.03167405	-0.01613883	-0.01615444	-0.01613258	0.03386607	-0.1738075	0.1738075
EIF2D	-0.00384919	-0.05146	0.09067622	0.01357759	0.05899523	0.02834505	-0.04284666	0.04284666
RPL8	-0.09127635	0.07714685	0.01677695	-0.04155485	-0.08169303	0.05392938	-0.1511755	0.1511755
CLPTM1	0.01481629	0.04852646	-0.113728	-0.02287897	-0.01534753	-0.03443967	-0.02079649	0.02079649
PKNOX2	-0.06482801	-0.2291936	0.1283605	0.04625185	0.02926979	-0.00368284	0.4732426	-0.4732426
PGAM5	-0.1037963	-0.02861546	0.08157649	-0.04901615	-0.01210849	0.08390561	-0.1473193	0.1473193
DTL	-0.03323127	0.03154463	0.05028504	-0.02675014	0.00720517	0.0471434	-0.2711467	0.2711467
FBXW7	0.01388075	-0.00606814	0.1932515	0.1840855	0.1097306	0.1803828	0.02914486	-0.02914486
C19orf71	0.09317585	-0.04474448	0.1103099	0.027148	0.01850234	0.1105877	0.08082617	-0.08082617
SYS1	0.0944961	-0.02257528	0.00127385	0.03235199	-0.03766287	0.02741235	-0.00507951	0.00507951
KCNK1	-0.05604674	0.09452063	0.06424143	0.00864429	0.04131113	0.01533136	-0.2026946	0.2026946
ILK	-0.06442391	-0.1424226	0.1050591	-0.00781221	-0.03117154	-0.00494001	0.4135531	-0.4135531
COX15	-0.01874106	0.03603471	0.1159747	0.03406032	-0.03452798	0.07488627	-0.230238	0.230238
PSMB4	-0.02746067	0.1153846	-0.07739434	-0.0682617	-0.00621133	-0.06481604	-0.1200659	0.1200659
PILRB	0.1423176	0.0397414	0.00613478	0.09807296	0.00057307	0.03919371	-0.07704043	0.07704043
SCIMP	0.01195048	-0.05786001	0.1567884	0.1137504	0.04218817	0.07264339	0.2134341	-0.2134341
TIPRL	-0.042444	-0.00832448	0.1114756	-0.04311663	0.00457185	-0.00959061	-0.1437801	0.1437801

MTSS1	0.01131725	-0.00566477	-0.08765957	-0.0180817	-0.06693391	-0.0248701	0.05145793	-0.05145793
ADA	-0.0798016	0.00092442	0.01238642	-0.03428197	-0.01192487	0.04170616	-0.05520904	0.05520904
KANK2	-0.03425665	-0.1635396	0.1306423	0.05159532	0.01777477	-0.01249259	0.4378946	-0.4378946
IFI27	-0.0885894	0.00248791	-0.03250157	-0.03365742	0.01123196	0.0146436	-0.04293439	0.04293439
XK	-0.00238135	-0.02474144	0.1145435	0.0469841	-0.04914178	0.07715884	-0.1964016	0.1964016
CALHM5	0.02575246	-0.07361232	0.1438896	0.04826233	0.01285157	0.05708231	0.3016171	-0.3016171
ATP1B1	-0.01866109	0.05688423	-0.02852243	0.01188813	0.04667623	-0.04782735	-0.2523244	0.2523244
ERAL1	0.00104778	0.04177506	-0.06589913	-0.03704314	0.07586132	0.00285242	-0.1943439	0.1943439
ANXA6	-0.02033973	-0.1438379	0.08377063	-0.01461894	-0.00554299	0.00123382	0.4619662	-0.4619662
C4orf47	0.00751925	-0.00917042	-0.1033925	-0.04647904	-0.01724296	-0.08853512	0.04864094	-0.04864094
PPP1R3E	0.0191818	-0.00767736	0.07143864	0.02982834	0.08486726	0.03991339	0.01009578	-0.01009578
NOL6	-0.01171902	0.05899879	0.04291738	0.00540725	0.01753614	0.1425075	-0.2032952	0.2032952
LLGL1	0.01431962	0.01253446	0.02197785	0.05579116	0.01848397	0.01069961	0.05591567	-0.05591567
HEMK1	-0.00200299	0.08246653	-0.02274704	-0.01001379	0.02200338	0.0158762	-0.1106439	0.1106439
ITGB8	0.104434	0.07378768	0.03373825	0.0228814	0.00799261	0.00651492	0.03347769	-0.03347769
IGSF3	0.04036293	-0.06622791	-0.06536021	0.00204817	0.00092025	-0.01795494	0.02500878	-0.02500878
SLC43A1	0.06248763	-0.03214632	0.03190328	0.03823998	-0.02617343	0.03452118	-0.1738041	0.1738041
CLDND1	-0.0823271	-0.0020773	0.0793308	0.07302166	0.00108491	-0.00949305	0.1723759	-0.1723759
WDR24	0.05761733	0.06627415	0.02754052	-0.00578557	-0.03352263	0.02288732	-0.08475698	0.08475698
COQ5	0.0160894	-0.00057388	0.03423607	-0.03504649	0.02947938	0.048474	-0.1647249	0.1647249
VPS28	-0.03373431	0.1227495	-0.08770128	0.01008674	-0.08374774	-0.06564567	-0.03248398	0.03248398
TEX9	0.04424045	-0.05079183	0.00355393	0.02271351	0.02081461	0.01900985	-0.05804182	0.05804182
RNF39	0.03453785	0.01303639	-0.0823626	-0.01701926	-0.04893396	-0.04182123	-0.1040167	0.1040167
KIAA0232	0.09401256	0.00684976	0.030653	0.02515871	-0.01915279	0.02482915	-0.00540814	0.00540814
CHRNA3	-0.06422601	-0.1531248	0.09228242	-0.02401062	0.03978613	-0.05980362	0.3416168	-0.3416168
ZNF226	-0.0215707	-0.07195623	0.08068935	-0.01007891	-0.00764252	0.04637896	-0.08208158	0.08208158
KIAA2026	-0.02348364	0.04626421	0.1357251	-0.03882588	-0.0059569	0.03100008	0.09804945	-0.09804945
RCAN1	0.03369453	0.03026098	0.1281857	0.03803617	0.0082877	-0.06336748	0.2313003	-0.2313003
REXO5	0.02055876	0.07006679	-0.0486569	-0.1305888	0.04328556	-0.07943315	-0.28831	0.28831
AEN	0.01025235	0.0193449	0.08136345	0.03718786	0.02551987	0.1326947	-0.1462166	0.1462166
E1F3K	-0.1016773	-0.07175337	-0.01463871	0.00287927	-0.031342	0.04080163	-0.06822245	0.06822245
ZNF91	0.04616328	0.06509327	0.07658908	0.0067148	0.03585557	0.01269437	-0.149103	0.149103
TOPBP1	-0.00415191	0.07102909	0.124156	0.07046816	0.00971331	0.1183998	-0.24726	0.24726
ZNF202	-0.00103887	0.06713813	0.03326739	0.02685013	-0.01308245	0.06151998	-0.1438224	0.1438224
GMFB	-0.00714918	0.1224488	0.0776506	0.09277912	0.0057616	0.1070971	-0.3096397	0.3096397
RERE	0.0694665	-0.1507962	-0.02469206	0.01584782	0.01222593	0.02861916	0.01850827	-0.01850827
AK1	-0.09941762	-0.00457057	-0.01659733	-0.03715731	-0.0390148	-0.03270758	0.00679327	-0.00679327
GNB1	0.0280197	0.02164572	-0.009697	0.01023903	0.05157848	0.04465	0.04388027	-0.04388027
EPG5	0.01941358	0.05687527	0.1509266	0.06614761	0.03906414	0.09828869	-0.06538203	0.06538203
WNT11	0.00155059	0.04561238	0.01165091	-0.02113255	0.05998098	0.06196947	0.02542151	-0.02542151
C11orf74	-0.00447691	-0.08026466	0.06718629	-0.01040249	0.1134396	-0.06578928	0.2260153	-0.2260153
MYO9A	0.00456034	-0.06683382	0.131373	0.04846415	0.0234172	0.01279014	0.2307593	-0.2307593
EMILIN1	0.01214395	-0.1352546	0.1378776	0.04659166	0.01778578	0.0104644	0.6151307	-0.6151307
ATP6V1B1	-0.03672514	-0.00022277	0.01213946	-0.0135799	0.00164473	0.01374282	-0.05243937	0.05243937
MCFD2	0.07485459	-0.01649328	0.1085877	0.1433728	0.07900037	0.07672434	-0.00301997	0.00301997
OGA	0.04088407	-0.01130623	0.1626859	0.109928	0.03654624	0.1136999	0.03769496	-0.03769496
CD36	-0.0335115	-0.1078418	0.07940625	0.1274202	-0.0022454	0.03551367	0.2368358	-0.2368358
SCIN	0.07064099	-0.03541321	-0.01204825	-0.04442781	-0.05689286	-0.02622706	-0.09782911	0.09782911
DYNC1H1	0.04877587	0.01336596	0.1483874	0.09649264	0.04958829	0.1167108	0.02402647	-0.02402647
MSRB3	-0.02508705	-0.1500207	0.1220021	0.03250932	0.01297043	-0.05095539	0.4425762	-0.4425762
ZNF74	0.04242918	-0.00347935	0.07498432	-0.03057329	-0.01118914	0.03528318	-0.0465871	0.0465871
RIOK2	-0.03060093	0.06285714	0.1739191	0.1154608	-0.00974911	0.1167678	-0.1322533	0.1322533
PPIL6	-0.04448751	-0.00674353	0.0351468	0.00351587	0.0656696	0.05942032	-0.08947295	0.08947295
HLCS	0.00159414	-0.0160328	0.06467422	0.00219663	0.02649253	0.05518644	-0.1455685	0.1455685
TENT5C	0.05693026	0.02374501	0.07405514	0.08208117	0.00719639	0.06825229	-0.0107628	0.0107628
ANLN	-0.02543385	0.09011416	0.0392825	-0.00315765	-0.0036077	0.05283558	-0.2399319	0.2399319
SYK	0.00744815	-0.03839583	0.0152501	-0.04304887	-0.03595364	0.01031434	-0.05076477	0.05076477
CENPN	-0.0673254	0.08914998	0.07618411	0.00622227	0.00444505	0.06738763	-0.2782947	0.2782947
C1orf226	-0.05765787	0.08112562	-0.00286134	0.05140466	0.08871151	0.01729186	-0.2705848	0.2705848
CRMP1	0.01926368	-0.0338774	0.03192956	0.01986589	-0.03347785	0.0620155	0.2236133	-0.2236133
SLC8B1	0.00548073	0.04638471	0.06502987	-0.00173511	-0.01645529	0.04609155	0.01869331	-0.01869331

ARHGAP26	0.09333868	0.01730069	0.03191021	0.04950842	0.00249234	0.09035001	-0.05289132	0.05289132
PLXNB3	0.1026165	-0.06782075	-0.01656527	0.03032819	0.03963496	-0.01832748	0.123969	-0.123969
VPS11	0.02125342	-0.01807399	0.07469741	0.01434539	-0.0531392	0.0154015	0.07994472	-0.07994472
TMEM102	-0.1259673	0.1335043	-0.08405656	-0.1081123	-0.07510827	-0.06457903	-0.1541281	0.1541281
TMEM121	-0.06353647	-0.1212726	0.03055047	-0.00350403	0.00905048	0.08440706	0.2809937	-0.2809937
KSR1	0.06741571	-0.0128011	0.05201371	0.04608819	-0.00601454	0.1031512	0.1258127	-0.1258127
BTG3	-0.00559182	0.1064277	0.03593436	-0.03486976	0.0621209	-0.03798484	0.00180274	-0.00180274
KIF5B	-0.03954226	0.09498446	0.07777305	0.05019445	0.02322086	0.02956393	-0.17285	0.17285
PRRC2B	0.03538583	-0.03034753	0.03589452	-0.01450578	0.02367435	0.08183951	0.0698001	-0.0698001
PSMC3IP	-0.00539201	0.09346445	-0.01349617	-0.07069958	0.04710428	0.03579545	-0.07317292	0.07317292
FABP2	0.09482447	0.04624479	-0.07846558	-0.04599823	-0.02269767	-0.05592432	-0.08034602	0.08034602
OR2A7	0.1253608	0.07093148	0.09014093	-0.05710949	0.1222639	0.04492925	-0.1412564	0.1412564
GCAT	0.01465388	0.09240337	7.97E-05	-0.08905623	0.00059809	-0.01918202	-0.2210414	0.2210414
SLTM	0.06847624	0.1001987	0.1294546	0.08473698	0.01144641	0.09460967	-0.2264699	0.2264699
COG7	0.04662213	0.1016675	0.06423198	0.03326289	0.0231435	0.02877255	-0.1031886	0.1031886
UBE2C	-0.02604931	0.05317607	-0.03273734	-0.01888832	-0.05952036	0.05121587	-0.1842615	0.1842615
GTF3C3	-0.02769847	0.1023524	0.0893214	0.06121892	0.00273527	0.06599618	-0.1926851	0.1926851
UHRF2	0.06999419	0.04344973	0.07853075	0.01729668	0.01732582	0.03298357	-0.02828687	0.02828687
GNB5	0.03267786	-0.08378503	0.05144256	0.0975129	0.03762673	0.02960411	0.2390817	-0.2390817
SELPLG	-0.0640498	-0.05470358	0.1817499	0.07231798	0.06416695	0.1075817	0.2671797	-0.2671797
XRN2	0.05745105	0.07775002	0.1170428	0.06371583	-0.03356372	0.09050958	-0.1510957	0.1510957
ZNF773	-0.03958458	0.01599832	0.02308957	0.02077411	-0.01019224	-0.00282054	0.07759671	-0.07759671
ANKRD54	-0.05487371	0.00418311	-0.02314605	-0.1488469	-0.01931701	-0.02291726	-0.1257824	0.1257824
POLR1E	-0.1458793	-0.02136503	0.06745976	-0.00361268	0.0022955	0.1011173	-0.02855458	0.02855458
EIF5A2	-0.03028991	-0.00094612	0.1172653	-0.00215914	0.04408005	0.0409153	0.1153588	-0.1153588
MCEMP1	0.06820468	0.05653654	0.00914558	0.06874056	0.00517689	-0.04476356	0.200218	-0.200218
ARHGFE3	0.0783655	-0.1409944	0.135022	0.00956385	0.03482297	0.02449004	0.00901759	-0.00901759
MARS2	-0.08473445	0.1270145	0.0465589	0.00848652	-0.00744175	0.04174231	-0.3256051	0.3256051
NPM3	-0.04634853	0.0292092	0.02524998	-0.06352117	-0.02533858	0.01984314	-0.04950904	0.04950904
WWP1	0.1500889	0.08444323	0.1069508	0.04759772	0.00959304	0.05755642	-0.2242349	0.2242349
RBM33	0.09660064	0.1031869	0.07272653	0.06341507	0.05063721	0.08997751	-0.1377059	0.1377059
CDCA5	-0.07644236	0.09653721	-0.04509284	-0.05081032	0.00968596	0.03047407	-0.211991	0.211991
NCBP2	-0.02128233	0.01373792	0.1288653	0.07887117	-0.05168295	0.04932208	-0.06606278	0.06606278
ELMO3	0.07640197	0.1803881	-0.104056	-0.02835988	0.07367371	0.00310071	-0.3478258	0.3478258
TTYH2	0.04394066	-0.1219959	0.1421866	-0.01448808	0.02138674	0.06322739	0.1394832	-0.1394832
NCCRP1	0.02560167	-0.01663404	-0.1845952	-0.08579593	-0.03369653	-0.08314138	-0.086629	0.086629
STX2	-0.04731667	-0.06165917	0.205016	0.07370574	0.03564	0.07720027	0.3388797	-0.3388797
UTP23	-0.07645148	0.05783177	0.1102054	0.04623501	0.00642704	0.09988007	-0.1137418	0.1137418
PAXBP1	0.08929444	0.1403037	0.1179087	0.06008436	0.04113887	0.1362423	-0.2338291	0.2338291
HIST1H2BC	-0.02681031	-0.02222666	-0.03353253	0.01188368	-0.03691196	0.01240873	-0.0407479	0.0407479
SPSB1	-0.01748806	-0.06694761	0.05165259	0.01437934	-0.00128626	0.06462937	0.5195879	-0.5195879
ARHGAP39	-0.01124049	0.1328256	0.01692397	-0.0786624	0.01175903	0.06374997	-0.1970024	0.1970024
CACNA2D2	0.00271713	-0.1156139	-0.05452166	0.01754717	-0.01502424	-0.01439556	0.03881014	-0.03881014
TMEM35A	-0.05749771	-0.1573822	0.08560265	-0.01911973	-0.01336386	-0.06194815	0.3521969	-0.3521969
CSF1R	0.04943375	-0.03268674	0.1882781	0.1231606	0.03305601	-0.02205682	0.292585	-0.292585
VPS51	0.02744631	0.05239054	-0.05739464	-0.04533819	-0.03326223	0.00595116	0.00451496	-0.00451496
SNPH	-0.02711855	0.01995407	-0.0879729	-0.033759	0.06138356	-0.0230872	-0.01878626	0.01878626
ABRAXAS2	-0.04316251	0.04474868	-0.01745536	-0.02450586	-0.01206635	0.02684723	-0.09147616	0.09147616
ICOSLG	-0.06535039	-0.03689185	0.04119341	-0.05464339	0.00178768	0.04181458	0.1187326	-0.1187326
TMEM74B	0.01133958	0.1217624	-0.06399472	-0.09952744	-0.00462716	-0.01635584	-0.06615788	0.06615788
NFU1	-0.08469433	0.01697744	0.09747744	-0.02354503	0.0174084	-0.02786791	0.03790654	-0.03790654
COA3	0.03887186	-0.01799594	-0.09787437	-0.1101272	0.1028649	-0.06779314	-0.1559359	0.1559359
KLHL17	-0.08756399	0.1679281	0.07515258	0.04643397	0.02613554	0.06154415	-0.1454779	0.1454779
CHADL	-0.07472577	-0.1366945	-0.0417113	-0.06435196	-0.04622055	-0.07260557	0.04536552	-0.04536552
GATAD2A	-0.06088981	0.1100245	0.1035127	-0.02999997	0.08873424	0.09561436	-0.134209	0.134209
BCORL1	-0.04005311	-0.01238861	0.05516029	0.00323605	-0.01333962	0.1201206	0.0046628	-0.0046628
ZBTB8A	0.02066628	-0.1142907	0.2130237	0.1184069	-0.01367363	0.1093465	0.2957771	-0.2957771
SLC1A4	0.05135002	0.1149544	0.02967521	-0.08698669	0.00021808	-0.00370529	-0.02470863	0.02470863
SORD	-0.02665772	0.05207353	-0.03082501	-0.05370912	-0.05894857	-0.03566777	-0.2677876	0.2677876
NKAPD1	-0.05659904	-0.00522711	0.08494713	0.00439213	-0.08972689	0.06906916	-0.1508681	0.1508681
TMEM209	0.06035677	0.08867618	0.01476073	-0.06987535	-0.0216551	0.00227927	-0.0950591	0.0950591

ZNF320	0.07216469	0.04583354	0.142514	0.09814415	0.05596994	0.1062856	-0.06937235	0.06937235
DERA	0.04232176	0.1013717	0.0924455	0.04174567	-0.01358676	0.067085	-0.1444615	0.1444615
EIF3C	0.05938346	0.03325633	0.04824163	0.09859627	0.1527395	0.07489472	-0.09242196	0.09242196
PACSIN1	-0.1293562	-0.02637096	0.01648591	-0.0043198	0.07369535	0.102026	-0.00820476	0.00820476
MRPL19	-0.09020004	0.1345419	0.1216845	0.02577262	-0.03374934	0.05770951	-0.244427	0.244427
BACH2	-0.05796419	-0.1120939	0.054318	0.06793878	0.05534044	0.02445409	0.216115	-0.216115
ZNF34	-0.02348323	-0.08324077	0.04935825	0.00022261	0.04106733	0.01309901	0.2154306	-0.2154306
FDCSP	-0.03300816	-0.102234	0.02183202	0.04198186	-0.03766926	-0.01647098	0.09388995	-0.09388995
MRAS	0.00929207	-0.1211141	0.1809222	0.1024123	-0.00130757	0.1109351	0.5116911	-0.5116911
CLDN23	-0.02719895	-0.01627109	-0.03598619	0.02729864	-0.04397117	0.00715555	-0.04660373	0.04660373
EFNA2	-0.09312657	0.07871608	0.09529821	0.04436748	-0.01619682	0.05972967	-0.1321451	0.1321451
ZSCAN29	0.02757789	0.01873053	0.1164724	0.06223424	0.00876801	0.100928	-0.1316	0.1316
NOXRED1	0.0518334	0.01259189	0.00579	0.00568153	0.02277535	0.02694342	-0.09647913	0.09647913
DGUOK	-0.07281967	0.1701376	-0.07108411	-0.0113801	-0.0458126	-0.01679663	-0.08042908	0.08042908
LILRA4	0.00756457	-0.1462716	0.04600032	0.02637592	0.02284839	-0.02020165	0.270077	-0.270077
GLRB	0.01093312	-0.1995777	0.1263517	0.04591199	0.00360709	-0.04477102	0.4533888	-0.4533888
EIF5	-0.0064925	0.03205319	0.1076032	0.1034775	0.04356186	0.1315636	-0.2649107	0.2649107
ARL4A	0.04792357	0.00737341	0.08929462	0.00102791	-0.01437638	0.0298885	-0.09520152	0.09520152
ZNF845	-0.02923097	0.08345191	0.1568876	0.05148888	0.04533222	0.09556493	-0.04669208	0.04669208
RBM12B	0.04977775	0.04879671	0.1156878	0.07073185	-0.04557793	0.1106149	-0.1276703	0.1276703
HSD17B3	-0.02786892	0.06392332	-0.05198734	-0.123334	-0.02623461	-0.1063243	-0.1296525	0.1296525
TBKBP1	0.00132735	-0.07045567	0.04294145	0.0585096	0.04751962	0.05055216	0.1892334	-0.1892334
DSCC1	-0.06483453	0.1296369	0.03573043	-0.04313323	-0.02926125	0.04804592	-0.23908	0.23908
MAGI3	0.05466673	-0.01877985	0.02131556	-0.05071512	-0.01290866	0.01969454	-0.2073247	0.2073247
RCBTB2	0.03985134	-0.09728128	0.1389075	0.1268292	0.06228187	0.00805436	0.3915629	-0.3915629
ADRA1D	-0.04845838	0.02242067	-0.06284177	-0.1049825	-0.04868446	-0.06704048	0.01330717	-0.01330717
RND2	-0.02988922	-0.07684433	-0.08197765	-0.00497408	0.07015433	-0.1165795	0.07087645	-0.07087645
MT-ND3	-0.01358958	-0.09011183	-0.03006556	-0.00207939	-0.01227392	-0.08014689	0.1227117	-0.1227117
CCDC192	0.1566432	-0.05527618	0.07632277	0.00093722	0.02865038	0.04309957	0.1523895	-0.1523895
KIF7	-0.09284429	-0.0632368	0.1318662	0.00779519	0.01969266	0.1169227	0.1676709	-0.1676709
PRPS2	-0.01106386	0.03708718	0.100896	-0.04781433	0.01581662	0.04209655	-0.1125729	0.1125729
COX4I1	-0.09349934	0.07396251	0.1314532	0.04453395	0.01108037	0.07202223	-0.2244078	0.2244078
BHLHE40	0.00299679	-0.00459943	0.07769614	-0.02441797	0.00043858	0.02518278	0.04045409	-0.04045409
LDLRAP1	-0.0729911	-0.02988401	-0.02337173	0.03883528	-0.02290678	0.06801168	-0.1243685	0.1243685
NSD2	0.00573627	0.07321118	0.02427027	0.03481079	0.007515	0.05793257	-0.213031	0.213031
RBM42	-0.0956353	0.01473321	-0.0987195	-0.08658155	0.00902692	-0.03251199	-0.00498682	0.00498682
VSTM5	0.02974178	0.09436161	0.06232476	0.1303597	0.02658088	0.1013032	-0.140918	0.140918
A4GALT	0.00312314	-0.02807469	-0.0511177	-0.08829168	0.02039986	-0.05679542	0.4114627	-0.4114627
CENPW	-0.01194997	0.08275924	0.07115447	0.00422666	0.0130319	0.1016426	-0.2354739	0.2354739
MTM1	-0.00844231	0.09842901	0.05584296	0.04116015	0.01410822	0.0239622	-0.1309994	0.1309994
ELF2	0.0913788	-0.05255845	0.1083162	0.1422315	0.07862699	0.1050861	0.07751591	-0.07751591
TMIGD2	-0.0310318	-0.00433715	0.1109117	-0.08410296	-0.03576146	0.03001982	0.1064562	-0.1064562
NDUFAF1	-0.01977145	-0.03675802	0.08572663	0.01301439	-0.03347625	0.0621404	-0.03874038	0.03874038
GDAP2	-0.00694812	-0.00018583	0.1119533	0.0113417	-0.02500917	0.09214484	-0.08331891	0.08331891
GLS	-0.05875275	0.1028542	0.07685744	0.06404604	0.04562386	0.05107875	-0.1478324	0.1478324
ADGRG1	0.1483257	0.03116748	-0.06307338	-0.03379242	-0.01791924	0.04751838	-0.1159835	0.1159835
NDUFA1	-0.04505912	0.0925502	-0.1200892	-0.09259842	-0.06635562	-0.09234674	-0.1593679	0.1593679
SVIL	-0.02949861	-0.1258825	0.09225503	0.02076534	0.03072847	-0.02583286	0.3470072	-0.3470072
CLCN4	-0.1523878	-0.0001792	0.08297424	-0.02866268	0.06712084	0.02219802	-0.08576237	0.08576237
FLCN	0.07747712	0.05005044	0.1028167	0.04541718	0.00691061	0.05307148	0.0906942	-0.0906942
MARCKSL1	-0.002445	0.08902317	-0.02458763	-0.03849755	0.06304106	-0.03021889	-0.1250118	0.1250118
PRR5	-0.06472392	0.05203334	-0.02350545	-0.1402885	-0.0511932	-0.01457249	-0.1041857	0.1041857
CLASRP	0.06496839	0.0902521	-0.02419412	0.04762965	0.00428775	0.03689143	-0.1114251	0.1114251
SMARCD3	-0.05613212	-0.1638272	0.1087753	0.00540006	-0.01288743	0.02209717	0.3436671	-0.3436671
GPD1	0.07594704	-0.01758386	-0.1238603	0.08833927	-0.03403608	-0.02980364	-0.1081781	0.1081781
UBE2O	-0.01347495	0.05233766	0.02642325	-0.0034493	0.02630166	0.07268628	-0.1266932	0.1266932
KDR	0.08925385	0.05924739	0.1207962	0.06064886	0.05076721	0.06314732	0.1450191	-0.1450191
GRIPAP1	0.137087	0.0975352	0.09758236	-0.01277816	0.05354373	0.1085589	-0.02509316	0.02509316
FGL2	0.0145244	-0.100832	0.1658081	0.08812845	0.02264087	0.00198954	0.275093	-0.275093
SRGN	0.02757557	0.05517219	0.1878531	0.03253226	-0.02355135	-0.1164486	0.1778867	-0.1778867
C1orf74	0.05496249	0.02771997	-0.08688082	-0.04102529	0.04767566	-0.00412363	-0.2083114	0.2083114

GSTCD	-0.1264194	0.05469562	0.06709813	0.00261955	0.00914231	0.02527745	-0.2243241	0.2243241
LIMD1	-0.00514223	0.03591871	0.086095	-0.0051719	-0.01854836	0.08180895	-0.09837113	0.09837113
CAPN7	-0.05538015	0.02100394	0.05042121	0.0401792	-0.01370046	0.05351144	-0.1186432	0.1186432
EFNA1	0.0151203	0.06790579	0.01549259	0.00292627	0.04516349	0.04275388	-0.1221591	0.1221591
PDE12	-0.07041345	0.02491352	0.105796	-0.03507734	-0.02470202	0.0487511	-0.203528	0.203528
FAM162A	-0.1058418	0.01266769	-0.00960062	-0.01034456	-0.03190372	-0.05807602	-0.1725328	0.1725328
SDR42E1	0.00734416	0.04595755	-0.06897285	0.01622904	0.1076162	0.0541762	-0.1283998	0.1283998
PLPP4	-0.02042626	-0.01230198	0.0598017	-0.06531223	0.00071625	-0.01025462	0.4857483	-0.4857483
INHBB	0.04520061	0.09336705	-0.1173234	-0.1508329	-0.05096106	-0.1268023	0.01517151	-0.01517151
LSM4	-0.08398842	0.1317841	-0.00201861	-0.1165141	-0.00371803	-0.00490784	-0.2033137	0.2033137
INIP	0.03692652	0.03586074	0.04068988	-0.0238546	0.01035891	0.01245391	-0.07260132	0.07260132
ZCCHC9	-0.07137704	0.08059745	0.1230785	0.09499228	-0.05716427	0.06298079	-0.02122115	0.02122115
CXCR6	-0.01303401	0.07020672	0.1736128	0.01356201	0.00546302	0.08935707	0.02057877	-0.02057877
CTNND1	0.05559249	0.09723223	0.01693487	0.04866225	-0.00771171	0.05140936	-0.1796409	0.1796409
UBALD2	-0.03122682	0.05200996	-0.1232773	-0.136411	0.02873054	-0.07739844	0.00244107	-0.00244107
TIMM8A	-0.04542943	0.02155602	0.04068243	-0.04513884	-0.01676493	0.0519015	-0.2161723	0.2161723
RAB10	-0.00803822	0.02587539	0.01408717	0.05746979	-0.00228749	0.06342405	-0.243087	0.243087
STIMATE	-0.0070263	0.02596215	0.06736906	-0.05301562	-0.02309186	-0.01342633	0.1317077	-0.1317077
GDPD5	0.00038958	0.04900726	0.05859566	0.03855462	0.00394769	0.09604441	-0.05682558	0.05682558
CKMT2	-0.06901424	-0.06928168	-0.05095299	0.02733419	-0.00027924	0.07928147	0.05010942	-0.05010942
CYB5B	0.08593307	0.1051946	-0.00963006	-0.1299836	0.04086716	-0.04730821	-0.1550339	0.1550339
ADM	0.02050451	0.08443486	-0.03117539	-0.01872672	-0.00495974	-0.02557424	0.09235033	-0.09235033
ABHD6	-0.1193668	-0.05950453	-0.00696464	-0.08462339	-0.0497451	-0.05817926	-0.1872145	0.1872145
CD9	-0.01166504	0.08584507	-0.03075732	-0.1152269	-0.01201882	-0.00668446	0.00797394	-0.00797394
RAVER1	0.00300454	-0.00226034	0.05642056	-0.02203695	0.03957872	0.04422038	-0.09543817	0.09543817
FAM167A	-0.06138467	0.03991863	-0.07344646	0.05535803	-0.0288404	0.00504623	-0.03811241	0.03811241
TDGF1	0.1168403	0.04868673	-0.06246302	-0.08296621	-0.02444121	-0.08164364	-0.00082231	0.00082231
ZNF326	-0.01369915	0.1320011	0.09007578	0.06961372	0.00352224	0.1032975	-0.18472	0.18472
FOXD2	0.04882765	0.1105097	-0.05462958	0.0119507	-0.00892414	-0.02243173	-0.2105421	0.2105421
OLFML2A	0.08871471	0.03986562	0.02258106	0.01371396	-0.01279392	0.02003994	0.1739216	-0.1739216
ARMC5	0.01279782	0.1024177	-0.01260911	-0.00378092	0.0370146	0.00256894	-0.02405449	0.02405449
CAPRIN2	-0.04709953	-0.02990985	0.04158177	0.07713026	0.1028715	0.06052379	0.05994235	-0.05994235
C12orf4	-0.06542325	0.03163826	0.1632315	0.06336193	-0.0168873	0.0877748	0.00602684	-0.00602684
ZNF93	-0.07902434	0.1131302	0.09081892	-0.08149447	-0.0454418	-0.00802516	-0.1670501	0.1670501
MRPL14	0.04460253	0.1687432	-0.1064195	-0.09764169	-0.04490631	-0.09687918	-0.1914301	0.1914301
ELFN1	-0.06921521	-0.01708037	0.08827834	-0.02133027	0.01897979	0.07478712	0.2792397	-0.2792397
DOK4	-0.02925968	0.07582164	0.06263795	0.07378473	0.03735047	0.07250124	-0.2400631	0.2400631
ZNF525	0.01011384	0.06133596	0.1002715	0.02237984	-0.03344574	0.03673336	-0.1078611	0.1078611
ZC3HAV1L	-0.06804545	0.02996946	0.1381586	0.05117883	0.0337819	0.08947694	-0.0172667	0.0172667
VAMP4	0.04536003	-0.03813325	0.1563398	0.09356783	0.04681183	0.050397	0.1912646	-0.1912646
VTCN1	0.06788151	-0.02630437	-0.084194	-0.02599206	0.02262796	-0.02866684	0.00487727	-0.00487727
RNF103	0.09671367	-0.00477758	0.0479787	0.09210013	-0.00637503	0.01064145	-0.1536072	0.1536072
RIMS3	-0.00541223	-0.1370783	-0.04027815	0.00186302	0.0123792	0.02246789	0.1133977	-0.1133977
ZNF554	0.03295463	-0.0052237	-0.01085769	-0.00601414	0.04147388	-0.0118751	0.03596704	-0.03596704
CHST11	-0.04035373	0.01011175	0.02283004	0.01426445	-0.01289544	0.0450291	0.09919557	-0.09919557
RBMS1	0.00454774	-0.1150752	0.1887403	0.1133181	0.08166804	0.0591908	0.4469348	-0.4469348
DAG1	0.02409589	0.00382236	0.03544802	0.01938175	0.00441169	0.05149534	-0.112222	0.112222
ARPIN	0.08791696	-0.00825807	0.01076365	-0.00583671	-0.01834452	0.05548347	0.03477243	-0.03477243
FBXO17	-0.01286399	-0.1400447	-0.06321843	0.00955231	-0.00143248	0.00088639	0.208062	-0.208062
GDAP1	-0.0469602	0.02574319	0.00062766	0.0014465	1.36E-05	0.0281173	-0.05209782	0.05209782
CDCA4	-0.05883279	0.02646318	0.01238772	-0.02421344	-0.01109745	0.0569395	-0.09728589	0.09728589
RDX	-0.04173425	-0.0726291	0.1338645	0.07559245	-0.00108205	0.02514696	0.3055761	-0.3055761
CTSH	0.09479769	-0.01909395	0.01975077	-0.02349182	0.03591321	-0.08577972	-0.03943288	0.03943288
FAM180A	0.02296844	-0.1208207	0.07513601	0.0236237	-0.02315822	-0.00391267	0.5043354	-0.5043354
GPT	0.03650376	0.03117711	-0.09278671	0.04636139	-0.07578231	-0.00721914	-0.2516764	0.2516764
FLRT3	-0.06190247	0.00069698	0.02261137	-0.02747569	0.01055651	0.00404819	-0.07625602	0.07625602
COPA	-0.00867524	0.02209669	0.06871919	0.08708116	0.03516626	0.1106598	-0.1449517	0.1449517
FRMD4B	0.1411486	0.00317527	0.00661197	0.05092629	-0.01213987	0.04633301	0.02690691	-0.02690691
CEP250	0.09918569	0.06336432	0.04036645	0.00388724	0.04696275	0.03835188	-0.06411122	0.06411122
GK5	0.05682658	0.04839514	0.127366	0.06371417	-0.02748304	0.04989844	-0.1778115	0.1778115
NTS	-0.08853027	0.04257324	-0.00369914	0.01598549	-0.02429891	0.02036896	0.06629927	-0.06629927

TIGD3	-0.00179793	0.00120823	-0.01730048	-0.03862198	0.00465275	0.00348133	-0.0721304	0.0721304
IL22RA1	0.05014924	0.1259927	-0.00611342	-0.00529699	-0.00074985	0.06359866	-0.1703073	0.1703073
RAB13	0.07779685	0.02128466	-0.04048713	0.02793358	-0.00327509	-0.03860423	0.0832875	-0.0832875
CYB5R3	-0.04006826	-0.09308967	0.03427083	-0.03736809	0.0197619	-0.01011123	0.4071868	-0.4071868
PELO	-0.0487469	-0.04371356	0.0751785	0.03844623	-0.02465814	0.06559568	0.2065381	-0.2065381
CEP57	0.02277407	0.03126308	0.1399362	0.08438001	-0.02393036	0.0760992	-0.1715316	0.1715316
SRP14	0.00542405	-0.06989991	0.1264661	-0.02273315	-0.08967642	0.01148712	0.1016043	-0.1016043
THSD7A	0.06775269	-0.04891429	0.1400306	0.1204497	0.04502252	0.03641878	0.3924343	-0.3924343
SNRPB2	-0.00628932	0.02531138	0.1138484	0.01175505	-0.03066194	0.05872751	-0.04415466	0.04415466
ARSA	-0.02627674	0.02444782	-0.05379954	0.02129183	-0.00858249	0.01451063	0.06956626	-0.06956626
RARRES2	0.01407002	-0.118258	0.06052504	-0.02126123	-0.02801631	-0.04560723	0.5552056	-0.5552056
CABLES2	0.00016698	0.00104874	0.05924675	0.00924525	-0.03363082	0.03341018	-0.08718851	0.08718851
SLC37A2	-0.02173519	-0.01845635	0.08149608	0.09361419	0.02420904	0.07214908	0.07068503	-0.07068503
FAM126A	-0.06028827	-0.03645366	0.06576818	0.08995609	0.05764818	0.06170569	0.1306329	-0.1306329
ZMYM1	0.01696055	0.02954418	0.1225841	0.05578845	0.04502578	0.12206	-0.1588612	0.1588612
RAMP1	-0.0656025	-0.04873538	-0.03451656	-0.01484796	0.03757011	-0.04085948	0.2758352	-0.2758352
ETFDH	-0.05600535	0.04214392	-0.08905653	0.05967586	-0.02137337	-0.00038263	-0.2545444	0.2545444
PSD	-0.06243295	-0.1640851	0.0725263	-0.01745279	0.01126876	-0.04359641	0.3202426	-0.3202426
TMA16	-0.06662077	-0.03375223	0.07272598	0.03687032	-0.00409756	0.1082712	-0.0946356	0.0946356
DIDO1	0.02486609	0.06602527	0.06022133	0.06283569	0.01525514	0.08577954	-0.09397559	0.09397559
KCND3	0.01966874	-0.02287051	0.05369444	0.04231263	-0.05103174	-0.02751998	0.245961	-0.245961
SUOX	0.01819761	-0.0571846	0.03038656	0.02788934	0.03488608	0.0668989	-0.03293084	0.03293084
FAM43B	-0.05191729	-0.1766027	0.1117271	0.02154489	0.02022195	0.03132639	0.5049124	-0.5049124
NR3C1	-0.00595386	-0.1544272	0.2016196	0.1456534	0.04167288	0.09161657	0.3787393	-0.3787393
CCN3	0.02040985	-0.02798116	0.1198149	-0.00385	0.00874543	0.08233409	0.2741163	-0.2741163
FILIP1	-0.02083044	-0.1470561	0.120334	0.04474822	0.03909515	-0.04946199	0.3369425	-0.3369425
ATRX	0.08858697	-0.03503721	0.1767116	0.05901494	0.00545623	0.08535015	0.04943302	-0.04943302
SCAF8	-0.0026133	0.02492213	0.1459317	0.1042526	0.03189517	0.1123205	-0.1149041	0.1149041
ABHD12	0.09440306	0.06470327	0.00913454	-0.03807755	-0.05743545	0.0089801	-0.05830124	0.05830124
PYGL	-0.06934959	0.02020021	-0.02865249	0.03437561	0.09144914	0.00763633	0.03047407	-0.03047407
CACYBP	-0.1732334	0.0573761	0.108565	-0.02668806	-0.04836083	-0.02147837	-0.1963157	0.1963157
MPP6	-0.07914762	0.01808506	0.09549647	-0.01141268	-0.03579724	0.00377652	-0.1144231	0.1144231
SNCAIP	-0.02610028	-0.00187008	0.01187095	0.02627572	0.00273527	0.06950532	0.01835454	-0.01835454
LIMA1	-0.09564494	0.0849529	0.06199538	0.02959902	-0.01151922	0.05930513	-0.1872466	0.1872466
LIMK2	0.08808911	0.07934221	-0.03843684	0.02543296	0.05958702	0.02137508	-0.1144157	0.1144157
PHF8	0.07524503	0.00771673	0.109693	-0.00518693	-0.01735129	0.08971239	-0.117246	0.117246
DNAJC7	-0.0075771	0.04827819	0.1248121	-0.02840364	0.09357971	0.07406157	-0.1037146	0.1037146
RGCC	0.09277361	0.04026188	0.05181757	-0.04782149	0.03096171	0.02093872	0.1604069	-0.1604069
DDX39A	-0.05831315	0.09540631	-0.05822025	-0.09901023	0.00587989	-0.0292061	-0.2372055	0.2372055
RABGAP1L	0.04571712	0.04006141	0.1442218	0.04798918	0.00802619	0.07051376	-0.1468222	0.1468222
METTL9	-0.00526105	-0.04927431	0.04118869	0.04998671	-0.00589909	-0.03767241	0.06259998	-0.06259998
UBA6	-0.0264666	0.1328846	0.09585847	-0.00505692	-0.00739793	0.06077524	-0.2542126	0.2542126
FUZ	-0.04565638	-0.1520215	-0.04983825	-0.00728344	0.02514431	0.01817323	0.2074751	-0.2074751
C11orf95	0.00823987	-0.03997614	0.09942562	0.02178038	0.00117434	0.07732087	0.1432413	-0.1432413
ZBTB38	0.01467652	-0.05997767	0.2245646	0.1016018	-0.01378623	0.1298966	0.1077165	-0.1077165
SMAD7	0.04795899	-0.01199106	0.02597077	-0.02612226	-0.05524242	0.02705887	0.201883	-0.201883
NR1D1	0.09729989	0.02432255	0.00387394	0.00912356	0.02037573	0.09912836	-0.0563018	0.0563018
RTL8B	-0.05329154	-0.1026432	0.01911851	0.01361795	0.00738668	-0.05354803	0.4909325	-0.4909325
ZHX1	-0.03352944	0.04943523	0.04985423	0.01475943	-0.03094513	-0.02217295	-0.09775637	0.09775637
CCDC40	0.1107142	-0.01447397	-0.00748856	-0.03273952	-0.00553542	0.02352862	0.08990483	-0.08990483
KLK6	0.05361246	-0.05016076	-0.08499411	-0.02001091	0.04620005	0.03079182	-0.02857592	0.02857592
ASB13	0.03003911	0.06987047	-0.02301305	-0.0521603	0.05762382	-0.03072783	-0.1000446	0.1000446
PTGER4	-0.07539919	0.04100382	-0.0109927	0.05000433	-0.03596937	-0.01986183	0.02107445	-0.02107445
LSMEM1	0.05946636	0.1450551	0.00993563	0.07436488	0.00652605	0.03527311	-0.1784944	0.1784944
KPNA2	-0.1088405	0.0590347	-0.04490129	-0.01357442	-0.01453471	0.04484565	-0.2768416	0.2768416
RSBN1	-0.02952402	-0.02533484	0.1725586	0.04589662	-0.00586074	0.0863499	-0.03763352	0.03763352
API5	-0.04176955	0.07590566	0.1571652	0.01946326	0.03913786	0.1161865	-0.1526403	0.1526403
RRM2B	-0.0340177	0.06198949	0.1774476	0.0403424	0.02472419	0.01933684	-0.06227139	0.06227139
LRBA	0.08169536	0.0116727	0.00975244	0.02711782	-0.01453094	0.06571606	-0.2697376	0.2697376
ARL6IP1	-0.06200336	0.07304491	0.0274897	0.01420937	0.00428054	-0.02229443	-0.2686789	0.2686789
EEA1	-0.01697457	-0.04084177	0.1972269	0.03446749	-0.00899951	0.08024541	-0.01913569	0.01913569

AC093323.1	0.00152802	0.03833177	0.05387573	0.04451684	-0.00788045	0.0809001	-0.04504305	0.04504305
TENM4	-0.00347885	-0.1302393	0.04314463	0.01510564	-0.02448108	0.03420485	0.4642366	-0.4642366
PDGFRB	0.0488435	-0.03630409	0.1433535	0.05638318	0.02502267	0.08214558	0.5452105	-0.5452105
APOBR	0.02808509	0.04564595	0.1648046	0.05553186	0.03492003	0.0840462	0.1737026	-0.1737026
SUPT6H	0.08759087	0.01481481	0.09312155	0.1084079	0.06746739	0.1329233	-0.02753883	0.02753883
CYTH1	0.07223334	0.00017221	0.04484189	0.05006195	0.03008795	0.05760167	0.05437251	-0.05437251
TERF2IP	-0.00382578	-0.07648922	0.1664413	0.03577791	0.03475415	0.08673849	0.2679186	-0.2679186
ZIK1	-0.01851261	-0.05370257	0.05279414	0.04265404	0.0197414	0.03353971	0.1444814	-0.1444814
PNMA2	-0.04619182	0.04228818	0.1611659	0.1061605	0.00770826	0.0728862	0.03603648	-0.03603648
RBMX	-0.00611847	0.1004345	0.02669422	0.03003047	-0.00064665	0.05355707	-0.1928535	0.1928535
PLAC9	0.00619525	-0.1717468	0.04561841	0.04621383	-0.01093761	-0.04655441	0.4494433	-0.4494433
MDH1	-0.07021011	0.03276521	0.04400856	-0.01531277	-0.04761191	-0.03848406	-0.1687322	0.1687322
BRCA1	0.00678065	0.08980226	0.1126124	-0.00268427	0.04464288	0.115917	-0.2272951	0.2272951
KLF5	-0.00082914	0.100541	0.05401847	0.01981957	0.06135386	0.08769808	-0.3034538	0.3034538
SH3GL1	0.04127902	0.02095545	-0.06273063	-0.05154281	-0.03988682	0.00042529	0.03250415	-0.03250415
ICAM3	-0.0350631	-0.05001401	0.04785744	0.00807607	0.01563752	0.04849416	0.1402119	-0.1402119
THOC6	-0.08071105	0.07760089	-0.0071098	-0.03049597	0.01547921	0.02708437	-0.05050135	0.05050135
VANGL1	0.03370467	0.03102321	0.02096996	-0.01537746	-0.01134919	0.06997756	-0.04358936	0.04358936
RPL11	-0.0531	-0.03480439	-0.00666258	0.01624151	-0.03671936	0.02799943	0.04341165	-0.04341165
DENND10	-0.03009945	-0.00795475	0.06211295	0.03533046	-0.00074244	0.0505355	-0.0450092	0.0450092
IL11	0.06180046	0.0424602	-0.07482024	-0.02295807	-0.00097396	-0.03754838	0.09109795	-0.09109795
SLC25A40	-0.04118362	0.06864174	0.05942752	0.01688287	-0.03543381	0.0361163	-0.02167183	0.02167183
HBP1	0.04857675	-0.00510447	0.1256583	0.1098424	0.01060544	0.03827752	0.05573798	-0.05573798
ARHGEF18	0.03018697	-0.05810238	0.06721448	-0.02242222	0.01589188	0.03172118	0.05958524	-0.05958524
EPHB3	0.0222283	0.0221989	-0.04974299	-0.05528509	0.07013502	-0.01425389	-0.1165729	0.1165729
LDB1	-0.03188692	-0.1036891	0.04866265	-0.03192235	-0.00010542	0.03109286	0.2390135	-0.2390135
SLC23A2	0.01881658	-0.05799468	0.08657241	0.0332867	0.00037638	0.07998149	0.1242918	-0.1242918
IDO1	-0.07484315	0.03392583	0.06808888	-0.04877046	-0.01883377	0.02255352	0.00832552	-0.00832552
MT-CO2	-0.01652014	-0.02128428	-0.07901754	-0.00630354	0.01331742	-0.09061882	-0.04441252	0.04441252
VNN3	-0.01326776	0.04972587	-0.03840398	-0.02881481	-0.06013807	-0.01208267	-0.133869	0.133869
R3HCC1L	0.06550255	0.04420363	0.06516067	0.06702544	0.01272497	0.1239096	-0.1018712	0.1018712
COL23A1	0.06573563	-0.00643927	-0.0547288	-0.06719848	-0.01510498	-0.1057371	0.09393711	-0.09393711
YAF2	0.03899241	-0.03619751	0.1585081	0.04106413	-0.05351362	0.09275223	0.1053865	-0.1053865
MAP4	-0.0472098	-0.05488009	0.1728641	0.04337509	0.01067636	0.03003232	0.2805455	-0.2805455
GABBR1	-0.02319689	-0.07012088	0.09256257	0.07011451	0.08889046	0.07485194	0.2820859	-0.2820859
CCDC25	-0.04909583	0.00670943	-0.05403173	-0.03596466	-0.1082414	-0.1261182	-0.2345652	0.2345652
PSMD2	-0.01290181	0.06017062	0.01440628	0.00408121	0.01722122	0.02352822	-0.08628134	0.08628134
ITGAX	0.08138547	0.07607919	0.1528071	0.0721143	0.06495372	0.05658678	0.2036302	-0.2036302
PEG10	0.00979098	-0.09360397	-0.02943324	-0.05034391	-0.0208304	-0.02785382	-0.0035412	0.0035412
CYB5R4	-0.01557375	0.1044614	0.1408624	0.1102329	-0.03311134	0.05569096	-0.07973379	0.07973379
KIF13A	-0.01907853	0.08486461	0.1177364	0.01818271	0.06422173	0.02856096	-0.00263251	0.00263251
SRP72	-0.05164732	0.07327106	0.1389049	0.07897661	0.02384368	0.1118171	-0.186902	0.186902
TRPM7	0.1145476	0.03177009	0.1683228	0.08197206	0.03162234	0.1012998	-0.1365792	0.1365792
CEP63	0.03116348	-0.04035804	0.147855	0.1269196	-0.02756697	0.09199502	0.06910885	-0.06910885
MCC	-0.03440756	-0.1302883	0.09922055	0.07140701	0.06874701	0.01707694	0.4016686	-0.4016686
APOBEC3D	-0.02697425	0.02110735	0.09926644	0.01210766	0.03828415	0.08672559	0.07026807	-0.07026807
AMT	-0.00104932	0.01183953	-0.0530191	0.00540529	0.08737917	-0.04153242	-0.152842	0.152842
ABO	0.04711667	0.0057812	-0.03082383	-0.09714895	-0.1061076	-0.0553851	-0.2204611	0.2204611
UFD1	-0.07297863	0.0760037	-0.00549583	-0.07741818	-0.00438479	-0.01372541	-0.03993007	0.03993007
GPRIN2	-0.02873404	0.045607	0.04014008	-0.05219003	-0.01763611	0.03288723	-0.09181253	0.09181253
CYB561A3	0.03928906	-0.05409758	0.03774411	0.03711891	0.0291958	0.04849735	0.1099227	-0.1099227
MXRA5	-0.07439562	-0.01730217	0.08576537	0.0411488	0.02414385	0.1320929	0.240298	-0.240298
ITGAV	-0.00231395	0.03768622	0.2030924	0.132604	0.01464213	0.087945	0.3015844	-0.3015844
SDC1	0.05688186	0.05330122	-0.03680938	0.00345891	-0.03653507	0.00429579	-0.09624885	0.09624885
KAT6A	-0.04798824	-0.04955524	0.09596796	0.00628605	-0.029213	0.03728588	-0.00387867	0.00387867
RAET1G	0.02291239	-0.02067272	-0.1267208	-0.03378335	-0.02111678	-0.06703817	-0.02105187	0.02105187
ONECUT3	0.02091203	-0.06719384	0.10819	0.04036392	0.0274979	0.07314108	-0.06378118	0.06378118
TMEM38A	0.0344596	0.00922071	-0.09193648	-0.01753207	-0.04911568	-0.02188421	-0.2226293	0.2226293
FSD1L	0.02772361	0.02643826	0.05026312	0.02715001	-0.03415949	0.05770136	-0.03969469	0.03969469
HDAC9	-0.0260928	-0.01925329	0.0781129	0.03466298	-0.00670153	0.05590421	0.06029866	-0.06029866
CD55	-0.1086977	0.05861798	0.08642825	0.09294943	0.07810248	0.1241526	-0.1599745	0.1599745

PLEKHG2	-0.02400514	-0.01554186	0.0294447	0.09432986	0.05087571	0.07345554	0.2554384	-0.2554384
ZNF680	0.02621128	0.05955076	0.08804538	0.06967394	-0.04867198	0.05193899	-0.1594295	0.1594295
USP5	0.00132453	0.08105228	-0.0034435	-0.03157005	-0.03476461	0.01313963	-0.08686453	0.08686453
RITA1	0.00817826	-0.02287442	-0.09030711	-0.06634771	0.0072761	0.03165296	-0.06757005	0.06757005
IZUMO4	-0.07092632	0.000297	-0.00295219	-0.01118533	-0.02108196	0.03961302	-0.04606855	0.04606855
PRKCD	-0.03814235	0.04719925	-0.04017494	0.04439838	-0.07031143	0.04057024	-0.2909029	0.2909029
RTKN	0.0203659	0.08205136	-0.03928924	-0.0424543	0.00467622	0.018861	-0.158508	0.158508
YES1	-0.0436823	0.1050504	0.1298406	0.06195656	-0.00998972	0.02086419	-0.2432681	0.2432681
BEX4	-0.01187198	-0.1512374	0.06307868	0.00841725	0.01634931	-0.05304818	0.3196287	-0.3196287
SLC41A2	-0.03786784	0.0118549	0.03019859	0.08034307	-0.03899367	0.05349369	-0.1576186	0.1576186
LMBRD2	0.01099281	0.05362012	0.05479413	-0.03933146	-0.06672185	0.0324609	-0.1702046	0.1702046
CCL20	-0.06635188	0.09536255	0.00455502	-0.0456696	-0.00725225	-0.01993034	-0.2090556	0.2090556
ZNF429	-0.00624116	-0.05000227	0.07475379	0.04315493	0.01523848	0.04581227	-0.0688125	0.0688125
FAM110A	0.06236973	0.0822623	-0.07704792	-0.09751881	-0.02598236	-0.03178352	-0.1177497	0.1177497
KLC3	-0.1167278	0.00538765	-0.09814278	-0.09622552	0.0008973	-0.03498154	0.00963169	-0.00963169
RPL22L1	-0.1873497	0.1198751	0.09391529	0.05971497	-0.03766386	0.01256499	-0.1011214	0.1011214
C19orf81	-0.1218932	0.05035006	-0.05003008	-0.1258095	0.05899328	-0.06253947	-0.00274917	0.00274917
MTRES1	-0.01072035	0.0974568	0.05643521	0.06508758	-0.02429787	0.07728488	-0.08922605	0.08922605
PCYOX1	-0.04209024	0.00109191	0.1188004	0.03962214	-0.03292593	0.00057532	0.0145928	-0.0145928
PDCD1LG2	-0.01159469	0.05253171	0.188664	0.1029428	0.0045698	0.02953027	0.2059048	-0.2059048
HNRNPA0	-0.01620384	-0.063398	-0.01893835	-0.00245857	-0.00243867	0.03842314	0.1182928	-0.1182928
LAX1	0.00160806	0.03464794	0.1571147	0.1570868	0.08803006	0.1474876	0.1536019	-0.1536019
WFDC2	0.115831	0.0251536	-0.04673781	0.04920223	0.00726537	0.03030409	-0.00330653	0.00330653
RNF113A	0.01154378	0.07332853	0.03755398	-0.05397313	-0.0028714	0.02201908	-0.0594449	0.0594449
CTTNBP2	0.02602558	-0.0895424	0.00653102	-0.03879029	0.076532	0.05765109	0.0125375	-0.0125375
CCDC15	-0.04212906	0.034712	-0.0063678	-0.06381855	-0.08585745	-0.0172325	-0.1907427	0.1907427
ZBP1	0.05360413	0.07686784	0.1353473	0.02447428	0.00652021	0.117952	0.06831465	-0.06831465
TMEM200B	-0.05980303	-0.102973	0.04848171	0.01320176	-0.00505738	0.01607224	0.4211632	-0.4211632
ZEB1	-0.0284777	-0.1340897	0.1719271	0.0839019	0.07022817	-0.02202082	0.4559776	-0.4559776
SOCS3	0.08341394	0.01756131	0.06979736	0.01415993	0.07141832	-0.03914789	0.2658976	-0.2658976
SMARCE1	-0.04484518	0.06749612	-0.02299474	-0.06471917	0.09163637	-0.05225572	-0.05998434	0.05998434
C17orf100	-0.04165717	0.07971449	0.00420735	0.04307985	-0.04842883	-0.00765279	-0.05990576	0.05990576
KLHL23	0.03492167	0.06740381	0.2278276	0.06358629	0.08863998	0.07298058	-0.04975171	0.04975171
R3HDM1	-0.03532661	0.07613099	0.1228078	0.05516455	-0.00092706	0.05309741	-0.2046161	0.2046161
EGFLAM	0.05251886	0.06808834	-0.00082224	0.01508384	0.04529907	0.01903799	0.2138753	-0.2138753
CHPF	0.06217767	0.02336358	0.04349866	-0.03657432	0.01446331	0.07139089	0.1472576	-0.1472576
RWDD3	0.06706004	0.03192913	0.1203828	0.05612298	0.02302241	0.07475363	-0.03874172	0.03874172
ELL	0.01743762	0.06111346	0.09396828	0.00460159	0.03528645	0.1112995	0.1000752	-0.1000752
ZBED1	0.06117979	-0.02489236	0.05452484	-0.04095162	0.0246509	0.02431128	0.1769798	-0.1769798
C1orf162	-0.05049185	-0.09266656	0.1326981	0.0447546	0.03570019	-0.04849512	0.4340553	-0.4340553
FIP1L1	0.02315036	0.0650582	0.06728412	-0.02380788	-0.02302797	0.0890026	-0.1681805	0.1681805
MRPL36	-0.05721365	0.1060162	-0.02736895	-0.09278589	-0.04316888	-0.00353037	-0.06495847	0.06495847
ZNF175	0.01172825	-0.1184977	0.1372627	0.06566404	0.0707698	0.1022332	0.1651231	-0.1651231
AHRR	0.09565796	0.02374611	0.05769965	-0.07265385	0.03196994	-0.00076343	0.03155755	-0.03155755
C5orf15	-0.02063641	0.06490704	0.06873128	0.04926263	-0.01352823	0.05012334	-0.01487956	0.01487956
RBM11	-0.00630885	-0.06505928	-0.06123901	0.02506633	0.03609289	0.0321524	-0.00120727	0.00120727
CDKN2AIP	-0.02089219	0.00253732	0.02487261	0.03624282	0.06061535	0.0652115	-0.1524802	0.1524802
PIGQ	0.06788421	-0.05237038	0.00534579	-0.00312477	0.03008775	0.03267231	0.06795023	-0.06795023
ZNF793	0.02934991	-0.07474204	0.05455413	0.06243322	0.06159663	0.00914098	0.05470407	-0.05470407
S100A10	-0.1545841	0.02127706	-0.00181869	0.01426467	0.0414628	0.01734251	-0.01487906	0.01487906
CYP2R1	0.01807416	0.1597148	-0.01694233	-0.0154718	0.05438623	0.05627518	-0.1896116	0.1896116
FAM220A	0.04143477	-0.05313155	0.04351807	-0.04339412	0.01783552	-0.00347435	0.06341961	-0.06341961
ZSCAN26	-0.09100851	-0.06985321	0.09478808	0.06793844	0.07339691	0.01265708	0.2404158	-0.2404158
WWC2	0.05616304	-0.01879734	0.08116563	0.1005468	0.06271802	0.09276819	0.2096686	-0.2096686
IL10	0.04473302	-0.1578912	0.00563242	0.03031372	-0.01819009	0.03213943	-0.02987296	0.02987296
ACRBP	-0.1321567	0.1004095	0.04294162	-0.1108552	0.05814629	-0.01961959	-0.1567217	0.1567217
UBE2B	-0.04423561	0.02136881	0.09706667	0.03996315	-0.01839667	0.02709234	0.06971553	-0.06971553
SPAST	0.04401304	0.03023532	0.1225404	0.06596786	0.00330737	0.05811146	-0.2169501	0.2169501
ARMH3	-0.01413291	-0.04280411	0.0608509	0.01502872	0.04094318	0.03685983	0.01744946	-0.01744946
MFAP1	-0.02349717	0.03914458	0.05752796	-0.01258013	-0.0453325	0.02982368	-0.1175252	0.1175252
ZNF687	-1.02E-05	0.0170832	-0.05107476	-0.01942742	0.02005207	-0.02044118	-0.0730739	0.0730739

GNAI3	-0.01528047	0.03564599	0.1045146	0.04271276	-0.00026721	0.06818084	-0.1416053	0.1416053
PHLPP1	0.0264731	0.06878778	-0.04786569	-0.02276526	0.00834256	-0.04891237	-0.2124723	0.2124723
JADE2	0.0153011	0.01159002	0.09402233	0.0668729	0.04824894	0.1101689	0.07165561	-0.07165561
KIAA1586	-0.04327867	-0.01371752	0.0691963	0.02827883	-0.00769502	-0.00216013	0.151021	-0.151021
INPP1	-0.1628231	0.09442199	0.03780545	0.07800279	0.03963311	0.06069191	-0.1857488	0.1857488
RAB8B	0.02290706	-0.02777919	0.2460705	0.1116379	0.04272198	0.07069568	0.2024716	-0.2024716
PLXNB2	0.03210636	0.01888833	0.00680668	0.05620415	0.0242591	0.08801888	-0.1551704	0.1551704
TBX3	-0.00476898	0.02503772	-0.1026225	-0.0257086	-0.05970438	0.03410766	-0.1161343	0.1161343
STX10	-0.00066633	-0.00847146	-0.1303682	-0.1130102	0.03651127	-0.1048771	-0.07006859	0.07006859
TMED5	-0.05183255	0.08064223	0.2169443	0.109169	-0.03138112	0.07207393	-0.2691059	0.2691059
LRRRC66	0.01821387	0.1172448	-0.02505443	0.03024272	-0.0675243	0.03430541	-0.2686476	0.2686476
TFPI	0.00608119	-0.03019198	0.06876467	0.105703	0.09639402	0.07548828	0.01336852	-0.01336852
UNKL	-0.01178196	-0.04344315	0.08765751	0.08811017	0.02084819	0.05800282	0.1701486	-0.1701486
SPATA13	0.105693	0.01218623	0.02025372	-0.03594967	-0.01364958	0.01840079	-0.06513705	0.06513705
XPO1	-0.0006195	0.06812519	0.1228796	0.08436976	-0.02058788	0.1247999	-0.2420407	0.2420407
SPIB	-0.0046065	-0.1264288	0.03075828	-0.06473488	0.03728164	0.03679082	0.05101572	-0.05101572
KIF5C	0.02876184	-0.1156456	0.01885805	0.04110069	0.01018686	0.02298295	0.1750116	-0.1750116
CNKSR3	0.01659527	-0.120231	0.01364078	0.02238392	-0.00630023	-0.00553786	-0.0597599	0.0597599
FAM210A	-0.06149641	0.024963	0.0867326	0.02636832	0.01791512	0.08155234	-0.1720279	0.1720279
COL4A3	0.01033463	-0.1108746	0.04510864	0.1215094	-0.01599619	0.08766959	0.2201332	-0.2201332
ZNF480	-0.04291627	0.1038504	0.04497378	0.04062374	0.01428374	0.02823867	-0.0365649	0.0365649
PRDX4	0.04162793	0.08527212	-0.06886173	-0.02454964	-0.00862362	-0.03585907	-0.136907	0.136907
ZNF582	-0.02545766	-0.1390316	0.1024912	0.07112774	0.03912118	0.02632206	0.3606556	-0.3606556
TOX4	0.02593272	0.03412925	0.08861456	0.05324264	-0.01286338	0.159677	-0.04874659	0.04874659
ZRANB2	0.05123267	0.0740317	0.1523615	0.1362569	-0.00272626	0.1504545	-0.0867991	0.0867991
CNN1	-0.05498126	-0.1620165	0.0641478	-0.01687113	-0.0006216	-0.0601513	0.3202887	-0.3202887
ZBTB45	-0.06531172	-0.0040605	-0.06746129	-0.04902056	-0.01404213	0.0184133	0.06422171	-0.06422171
SLC9A3R2	0.1069733	0.00703327	0.0422858	0.00824297	0.00359479	0.00989251	0.3178734	-0.3178734
OBSCN	0.02561017	-0.07505476	0.07525734	0.09031198	0.06984153	0.1383909	0.05681207	-0.05681207
RSPO3	0.00102054	-0.1794262	0.1848448	0.1061299	-0.01821964	0.04428314	0.4685183	-0.4685183
DNAJC17	0.06219817	0.0950911	0.03122231	-0.04957507	0.02747428	-0.02394754	0.05741839	-0.05741839
CFP	0.08253848	-0.1226894	-0.00078507	-0.02971729	-0.01156829	-0.05815295	0.2280605	-0.2280605
SMC2	-0.0312701	0.05985379	0.1102022	0.0051607	-0.04422389	0.08902798	-0.2809428	0.2809428
PEX2	0.06121666	0.1297078	0.01001561	0.07383178	-0.04863429	-0.05232464	-0.2092774	0.2092774
NOL9	-0.00615421	-0.06747647	0.1227665	0.07024867	0.09595124	0.1163957	-0.02398541	0.02398541
MELK	-0.09411551	0.1468107	-0.01775544	-0.055856	-0.01089975	0.03278092	-0.3289897	0.3289897
KLHDC2	0.02626184	0.01306373	0.04612663	0.0542708	-0.00429665	0.03960981	-0.1030233	0.1030233
DCLRE1A	0.05623338	0.06258767	0.03316994	-0.03013533	-0.01947593	0.02298829	-0.2234227	0.2234227
FBXW2	0.01790431	0.01866705	0.1248825	0.02672757	-0.00321782	0.09847785	-0.01370583	0.01370583
GCLM	-0.04493871	0.0465614	0.01642317	0.08353791	-0.05019981	0.07448285	-0.2064902	0.2064902
INPP5D	0.0201106	-0.0348005	0.05963968	0.03986533	0.02879003	0.05883656	0.0195391	-0.0195391
EIPR1	0.01022266	0.1051255	-0.05670906	-0.05659791	0.066511	-0.00162783	-0.2090178	0.2090178
TTC39A	0.07093603	-0.02517933	-0.08422433	-0.02118311	-0.04722541	-0.01520369	-0.2145098	0.2145098
CDHR2	0.06481772	-0.01766579	-0.07666189	-0.00878443	-0.01111591	0.04282569	-0.1403618	0.1403618
KIAA1549	0.00899144	0.00818078	0.09158438	0.05785642	0.01850436	0.1007007	-0.1059242	0.1059242
SMG5	0.05275672	0.0021081	0.00418906	0.0533574	0.05695836	0.07336423	-0.1421217	0.1421217
C3orf18	-0.06110685	-0.1535944	0.06277344	0.01714273	0.04263358	-0.01053472	0.398367	-0.398367
SYNE1	-0.01424554	-0.1465794	0.1750534	0.0936441	0.05117191	0.01945337	0.4137088	-0.4137088
PTGS1	0.05642245	-0.08387523	0.00522178	0.05886049	0.01548916	-0.058944	0.2290242	-0.2290242
TMEM18	-0.05625693	0.1255825	0.1219847	0.05498206	-0.00679163	0.09705373	-0.1087045	0.1087045
TNRC6A	0.04812258	-0.02420484	0.174731	0.1450296	0.1827814	0.1521093	0.1095226	-0.1095226
RPGR	0.08566803	0.1603316	0.03233988	0.00897776	-0.01000479	0.03539853	-0.1012232	0.1012232
NUDT19	-0.09397061	0.1039537	0.08060271	-0.105463	0.02198273	0.00981433	-0.08070907	0.08070907
TRIM21	-0.1132285	0.1205773	0.09201942	-0.02494463	-0.02717791	0.0869137	0.00686325	-0.00686325
SFXN3	0.01093178	0.00633491	0.09663938	0.01837484	-0.0026486	0.08451186	0.2490004	-0.2490004
HTRA2	-0.07226022	-0.00263348	-0.04708345	-0.06232832	-0.00099926	0.00038257	0.03338916	-0.03338916
PDGFD	-0.02913468	-0.1647243	0.09312197	0.1590546	-0.00909287	0.05509527	0.2392916	-0.2392916
HAS3	-0.04885291	0.01903187	-0.01545351	-0.06630081	-0.00500877	-0.03375714	0.03016029	-0.03016029
ZNF398	-0.01313198	0.0649943	0.06201702	-0.02373274	0.05067116	0.05422137	-0.1506993	0.1506993
GSK3B	0.04405315	0.07178332	0.1053143	0.03988248	-0.02874707	0.07494664	-0.07143918	0.07143918
PDS5B	0.06217173	0.02931635	0.1128597	0.04812597	0.01991994	0.09714957	-0.08713079	0.08713079

REXO2	-0.1304631	0.01265463	0.1123098	0.03405033	0.00237083	-0.01479392	0.1803843	-0.1803843
CLSTN3	0.07472015	-0.07290425	0.04019959	0.07653453	0.00974308	0.0842514	0.2848292	-0.2848292
CCDC191	0.06381973	0.06856064	0.06816489	0.01198536	0.0303586	0.05102059	0.02538109	-0.02538109
ERGIC1	0.02784407	0.04578626	-0.03761112	-0.00658888	0.02970914	-0.02104529	0.01540774	-0.01540774
GCN1	0.04373264	-0.0220659	0.06537081	0.03628935	0.04826733	0.1138062	-0.1447317	0.1447317
TCERG1	0.03944259	0.08189825	0.1054753	0.1168192	0.02655417	0.166979	-0.2151915	0.2151915
C19orf33	-0.06244286	0.00926286	-0.09699507	0.01429483	-0.01068685	0.01643893	0.01102328	-0.01102328
GMFG	-0.00299855	-0.06732181	0.1814411	0.05205627	-0.00553296	0.01667879	0.2996394	-0.2996394
DIPK2A	-0.05016574	-0.08133048	0.2208133	0.07857291	-0.05680856	0.03143452	0.2050135	-0.2050135
RALY	0.03202815	0.1080996	-0.04739177	-0.07693282	-0.0285124	-0.02873666	-0.0711097	0.0711097
LUM	0.04075873	-0.1044162	0.1823399	0.1056553	-0.0130784	-0.00221691	0.6091326	-0.6091326
SLC7A2	-0.07239429	0.03663775	-0.0576621	0.04579988	-0.01467717	0.00080348	-0.02493681	0.02493681
HOXC9	-0.05170619	-0.01455688	0.01208761	-0.00260439	0.02581649	0.0392569	0.03751787	-0.03751787
WDR61	0.0291137	0.01064006	0.07852176	0.05919719	0.00970616	0.1003595	-0.1272548	0.1272548
PRPF38B	0.05601022	0.09865449	0.1495391	0.05581012	0.02448358	0.1194164	-0.1541015	0.1541015
MXN1	0.1159903	0.1077672	1.52E-05	-0.05526128	0.0604256	-0.00508157	-0.2390042	0.2390042
WDR33	-0.02074453	0.0840623	0.08132952	0.1006885	0.05461822	0.08700073	-0.1426526	0.1426526
RIPK4	0.05057534	0.0245126	-0.1180204	-0.06823276	0.05094013	-0.00782984	-0.1613577	0.1613577
DNM2	-0.00308511	0.1367251	-0.04431237	-0.09158164	-0.00101035	-0.03123906	-0.2733439	0.2733439
FAM241B	-0.03885654	0.07475811	0.00857054	-0.09490088	-0.00546699	-0.06265786	0.01543515	-0.01543515
HACD2	-0.02858214	0.03769147	0.1455742	0.03224747	-0.06836509	0.1000339	-0.1773082	0.1773082
CHRD	0.04773801	-0.01710137	-0.02888165	-0.01289102	-0.01898196	-0.04006482	0.1149904	-0.1149904
CFAP70	-0.01903724	0.01376301	-0.07440421	-0.01347531	-0.02699218	0.04165519	-0.1180128	0.1180128
GRASP	-0.02892886	-0.05247826	0.0728585	-0.00151212	0.00149893	0.03468773	0.2664173	-0.2664173
NETO2	-0.1675496	0.08095136	-0.00701147	0.031927	0.036052	0.01507205	-0.0855158	0.0855158
APH1B	0.02606645	-0.0391221	0.05714932	0.04091997	0.01810874	-0.03332096	0.1238551	-0.1238551
DCTN2	-0.05711336	0.05515884	0.0433839	0.01068542	-0.01199919	0.01282704	0.07844924	-0.07844924
AMPD3	0.02649704	-0.06190498	0.03564845	0.06454632	-0.01527989	0.01938353	0.1816493	-0.1816493
U2AF2	-0.03126157	0.04436793	-0.06129928	-0.04234594	-0.00140079	-0.00908127	-0.04388283	0.04388283
MAPK8	0.03481252	0.06282427	0.04974648	0.02090049	-0.00814503	0.02438235	-0.1240563	0.1240563
HNRNP2	-0.02359698	0.06221768	0.1147948	-0.0145361	-0.00405744	0.05421393	-0.1389912	0.1389912
DHRS7	0.0174753	0.0637993	-0.00248045	0.01255382	-0.04192696	-0.02424706	-0.0243869	0.0243869
TRIM15	-0.05174026	0.149707	-0.00840967	-0.02787919	0.00418726	0.04628025	-0.2763828	0.2763828
APLF	-0.0316667	-0.02076767	0.0276557	-0.00461473	0.00992773	-0.0699078	0.1408776	-0.1408776
GSTM1	0.04023057	0.0920567	-0.1174545	0.00257729	0.02227965	-0.02624394	-0.1371378	0.1371378
ADAMTS1	0.00204762	-0.05233193	0.1426448	0.0558138	0.06689852	-0.00639532	0.3978632	-0.3978632
LINGO3	0.01062579	-0.126369	0.04492898	0.0520242	0.02593242	0.04772126	0.233741	-0.233741
SNTB1	0.09748682	0.04510246	-0.0648489	-0.1278643	-0.02301233	-0.06597521	-0.03193854	0.03193854
SFR1	-0.08556724	-0.02663228	0.05049672	-0.01466228	-0.01203323	0.03931697	-0.00635604	0.00635604
HIC2	0.00701556	0.00286728	0.0495059	-0.01187349	-0.0203348	0.02649452	-0.07382712	0.07382712
CGNL1	0.04822205	-0.1417319	0.04918101	0.01049978	0.02995079	0.005083	0.2944531	-0.2944531
SVBP	-0.03168696	-0.05011306	-0.03927664	0.02696299	0.04900746	-0.05655887	0.2362857	-0.2362857
DNAJC2	-0.00825508	0.03352076	0.07864343	0.1040306	0.00073871	0.1035022	-0.2079704	0.2079704
OGFOD1	-0.01781017	0.00847782	0.1330634	0.04518865	0.06622354	0.05984335	-0.04517794	0.04517794
CDHR5	0.08923559	0.03356716	0.01116976	0.07226066	-0.02234444	0.1087077	-0.2004859	0.2004859
WDR73	0.05016982	-0.06109071	0.06029181	0.0894319	0.02522226	0.1164078	0.00374447	-0.00374447
PPM1A	-0.04200259	0.01761144	0.1758182	0.08193393	-0.02343683	0.08493265	0.03677178	-0.03677178
CALCRL	-0.02596095	0.0219996	0.2174273	0.09284844	0.01129792	0.05543479	0.2471811	-0.2471811
NFIC	0.00909431	-0.1722316	0.08242528	0.02844823	-0.01461591	0.03250816	0.4335078	-0.4335078
TRAK1	0.07338252	0.04060373	0.0957567	-0.00557608	0.01897491	0.05647471	-0.109662	0.109662
PRSS23	-0.00141625	-0.1371292	0.1211174	0.05063354	0.0120103	-0.05495504	0.4645598	-0.4645598
KIF26A	-0.1247352	-0.01172753	-0.07305902	-0.049189	-0.04638437	-0.01462331	-0.06248539	0.06248539
TIGD5	-0.06051792	0.08181648	-0.1167412	-0.09461903	0.01542488	-0.02945048	-0.1200702	0.1200702
TATDN2	-0.06626059	0.03120159	0.04633516	0.04443898	0.07102523	0.08044	-0.05572416	0.05572416
ZFP92	-0.05432954	-0.09382624	0.1108706	0.08111966	0.05296219	0.1329016	0.1143672	-0.1143672
ZNF786	0.0284637	-0.03045747	0.1045095	-0.05530771	0.0793792	0.09207154	-0.00309926	0.00309926
CBX8	-0.0039427	0.0295537	-0.00089919	-0.02064008	-0.03828448	0.04402007	-0.05772078	0.05772078
SPINT2	0.01485837	0.08976711	-0.05766323	0.01946212	0.02531382	0.02322141	-0.1771419	0.1771419
TRAPPC9	0.04275832	0.03723554	-0.00386437	-0.00340767	0.0107938	0.06968193	-0.04902874	0.04902874
PRIMPOL	-0.04637201	0.00886089	0.04459561	0.04688226	0.04958532	0.04117089	-0.1114834	0.1114834
CAPN10	0.04081008	0.1364244	0.01308345	-0.03297905	0.03093856	0.02628254	-0.1630391	0.1630391

ABCC3	0.06701884	0.07735802	0.02553541	0.08654507	0.05749152	0.07824809	-0.1285175	0.1285175
MIGA1	0.03174954	-0.0011042	0.1141949	0.05531482	0.00012768	0.04624843	-0.0520894	0.0520894
LIPH	-0.01872003	0.07566583	0.04537971	0.01688009	0.05810908	-0.01495871	-0.1601154	0.1601154
POMK	-0.03656097	0.05121957	0.04754943	-0.00847934	-0.02636441	-0.00551344	-0.08055595	0.08055595
LATS1	-0.02875639	0.03759331	0.1773575	0.0741566	-0.0011183	0.0921805	-0.04452351	0.04452351
ATP5F1C	-0.07696351	0.1200688	0.03975752	-0.03280243	0.02977301	0.00780971	-0.3231121	0.3231121
FOXM1	-0.08640886	0.06201416	0.00655461	0.04797892	-0.05223735	0.0715423	-0.1318858	0.1318858
CHCHD3	-0.03077339	0.07035146	-0.08331705	-0.0427531	0.01376506	-0.05132736	-0.1511838	0.1511838
F2R	0.02847434	-0.05658983	0.1922683	0.08886432	0.00658947	0.1254624	0.3644381	-0.3644381
CHMP2A	-0.04690438	0.03790541	-0.07034735	-0.03642827	-0.03329313	-0.07834908	0.03186662	-0.03186662
AURKA	-0.08220292	-0.00656035	-0.09114382	0.00706772	0.00224637	0.06400756	-0.239026	0.239026
PSMB7	-0.08499791	0.1344847	0.00582493	-0.04304158	-0.01970837	0.02531332	-0.1365715	0.1365715
NUFIP2	0.05297476	0.03330218	0.1453879	0.06592759	0.03445912	0.1318907	-0.1499985	0.1499985
EREG	-0.08164265	0.05608971	0.02291909	-0.03204085	0.02583822	0.01507332	0.03240177	-0.03240177
LUC7L3	0.06094252	0.03339909	0.08481819	0.09387872	0.05199983	0.1084121	-0.06083831	0.06083831
CDK5R1	0.05241372	-0.01813135	-0.1063245	0.0083094	-0.02963073	-0.03252639	-0.00671126	0.00671126
DMAC2	0.00850972	0.00390707	-0.06186599	-0.03473053	0.00267408	0.01022805	-0.02295377	0.02295377
TMEM9B	-0.02412379	0.1243128	0.03761093	0.01216441	0.00348884	0.01177691	-0.12475	0.12475
IL13RA2	0.03852748	0.04174358	-0.04222383	0.06278783	0.02577356	0.05392061	-0.01260384	0.01260384
TAOK3	-0.01186809	-0.02958146	0.2043202	0.03947902	0.03014039	0.1141541	-0.02667362	0.02667362
TTC30B	0.06088082	-0.01705155	-0.05076904	0.03167416	0.00676068	0.02535854	-0.09309021	0.09309021
SAP18	-0.1232087	0.06855297	0.02285009	-0.08451479	-0.06926728	0.00386941	-0.09842671	0.09842671
SOD2	0.01102503	0.09308982	0.07055302	-0.03089335	0.0171837	-0.04386702	0.1015996	-0.1015996
BRIX1	-0.09916886	0.1033182	0.02374016	-0.07877461	-0.02367608	0.00583128	-0.1081895	0.1081895
ZNF165	-0.08223148	0.0909034	0.03289652	0.0180886	-0.06170637	0.04908441	-0.2875807	0.2875807
HSD11B1	0.04642467	-0.03504315	0.1026625	0.03302531	-0.03197435	-0.04511224	0.3922456	-0.3922456
ATIC	-0.00611232	0.03810491	0.04836198	0.01541491	0.02057805	0.08584736	-0.2559957	0.2559957
CCL23	0.04025504	-0.1176237	-0.05695432	-0.01557295	-0.01931147	-0.02819969	0.1010403	-0.1010403
MSN	-0.05512014	-0.08149143	0.1940163	0.0375533	0.06160648	0.07930974	0.3967256	-0.3967256
PCBD1	-0.04300749	0.04123723	-0.03007491	-0.0970931	-0.06402654	-0.0148211	-0.1278033	0.1278033
PCDHGA6	0.06810245	-0.04564288	0.1610113	0.08387816	0.01433592	0.06567765	0.3181081	-0.3181081
SLC29A3	-0.0553597	-0.03502238	0.02213619	0.08412087	-0.02688089	0.09750041	-0.01921979	0.01921979
NDUFS6	-0.01199365	0.07776945	-0.01712649	-0.04562422	-0.06835206	0.00649244	-0.1037019	0.1037019
SERINC5	0.124714	0.08544035	0.02164	-0.02641616	0.04203818	0.00046491	-0.1367158	0.1367158
HIST1H2BN	0.03706349	0.06800848	-0.1020555	-0.04620175	-0.00640692	-0.03644115	-0.09078541	0.09078541
ASH2L	-0.00907655	-0.06495607	0.05587192	0.01501968	0.05101459	0.00863533	-0.07452712	0.07452712
NELFE	-0.07368551	0.06878904	-0.10442	-0.04771446	-0.02248389	-0.06248601	-0.08459374	0.08459374
ZDHHC9	0.06291462	0.1144698	-0.04810362	-0.09969289	-0.03328098	-0.06307443	-0.2067659	0.2067659
SHTN1	0.03043356	0.109644	0.00602796	0.01216821	-0.05584265	0.05117846	-0.1958919	0.1958919
BCL2L14	0.01402865	0.08793285	0.05197102	-0.00127508	-0.03260193	0.02524789	-0.3090221	0.3090221
HPF1	-0.123641	-0.03435326	0.1580765	0.01280388	-0.00960853	0.05823358	0.03309749	-0.03309749
VAX2	-0.07501021	-0.02489814	0.0032218	0.04155066	0.04871643	0.02718605	0.07392972	-0.07392972
DLGAP4	0.07693346	-0.05052213	0.04170359	0.03221467	-0.03524424	0.05009858	0.2458961	-0.2458961
CYSLTR1	-0.02667289	-0.1036836	0.2101184	0.1044534	0.02217796	0.04103808	0.3749871	-0.3749871
CXorf65	-0.04073244	0.04424782	0.06716012	0.04226525	0.04706963	0.05324973	-0.02942403	0.02942403
IMPDH2	-0.07928465	-0.00079577	-0.04644929	-0.02093943	-0.00014407	0.01231286	-0.1778015	0.1778015
TST	-0.04265059	0.06433057	-0.04720251	-0.0898865	0.01108688	-0.00714725	-0.2350246	0.2350246
CNR1	-0.07127476	-0.1494459	0.02233608	0.050442	0.04056398	-0.0397781	0.1917308	-0.1917308
STYXL1	0.01946033	0.06090126	-0.0449846	-0.0290887	-0.01259591	0.00315209	0.00096166	-0.00096166
ABCB8	-0.01812645	0.1013125	0.03997582	-0.03476119	0.03910574	0.0909522	-0.1445108	0.1445108
DLG3	-0.06703143	0.1625569	0.06242578	-0.1437348	-0.01915415	-0.01295527	-0.2539406	0.2539406
GREM2	0.02155472	-0.1298901	0.09318751	-0.00040284	-0.06098574	-0.01464174	0.3314642	-0.3314642
TMEM127	0.03625434	0.02077638	0.04331513	0.03072243	0.00924694	0.06466205	0.09754638	-0.09754638
TYMS	-0.1125533	0.1362883	0.06745715	0.00269096	-0.0379314	-0.00394092	-0.2561182	0.2561182
BRSK2	-0.02056943	0.00956795	0.05206933	0.08489291	-0.05417904	0.06196017	-0.0097531	0.0097531
ADAMTS14	0.08562252	0.1113147	-0.09264646	-0.1281849	-0.04234119	-0.07901376	0.07337674	-0.07337674
COL5A3	0.06251416	0.1173444	0.02456364	-0.02785899	0.02078486	0.00876251	0.2783474	-0.2783474
FBXO30	-0.04390375	-0.09524918	0.1586833	0.05278621	0.00326913	0.00130073	0.211197	-0.211197
GLDN	-0.05983861	-0.02543388	0.1757213	0.1051924	-0.01009881	0.02086971	0.1587387	-0.1587387
RNF122	0.00057379	-0.07700054	0.1571655	-0.01651669	0.0382487	-0.05607651	0.4472107	-0.4472107
INTS12	-0.07624819	0.09874511	0.09511349	-0.00479647	0.08208203	0.00476103	-0.1785988	0.1785988

PDXP	-0.03757941	0.00491294	-0.05148058	-0.1039575	-0.01345933	-0.03048298	-0.02001048	0.02001048
FAM92A	-0.03286004	-0.02337106	0.1029079	0.06160863	-0.01177051	0.06615378	0.09829518	-0.09829518
MALL	-0.04042195	0.04924214	-0.1256613	-0.00643309	0.06336176	-0.01961794	-0.1784352	0.1784352
SGPL1	0.07790093	0.07265117	-0.01512085	-0.06508412	-0.04437107	-0.03826446	-0.01875044	0.01875044
SERPINA5	0.02450629	-0.09994976	-0.04187322	0.05675414	-0.01060014	0.00820915	-0.00703099	0.00703099
GPLOW	0.05524361	0.02963229	0.02659234	-0.08276894	0.04260437	0.02240564	-0.01556309	0.01556309
ADGRA2	-0.0017031	-0.08317952	0.1486594	0.04312691	-0.00248036	0.07326538	0.4999692	-0.4999692
PFKFB4	0.00185155	0.0844041	-0.09057698	-0.0148223	0.00909251	-0.03429696	-0.08418896	0.08418896
SAMD13	-0.00670925	0.0738627	0.06018528	0.08326424	-0.02642476	-0.08516148	-0.1346774	0.1346774
ZNF385D	-0.00650413	-0.1564667	0.1186455	0.0720948	0.0732325	-0.05837776	0.4406798	-0.4406798
ZNF839	0.01661439	0.06321239	0.0342176	0.00705523	0.08880655	0.03891017	-0.01980967	0.01980967
TFE3	0.01498178	-0.04292023	0.05113584	-0.038195	0.03077033	0.02571968	0.2888336	-0.2888336
COPE	-0.00803459	0.127908	-0.05818312	-0.05536171	-0.04415177	0.01191988	-0.0962515	0.0962515
MGAT1	0.05762657	0.02506559	0.04169344	0.01257664	0.00862985	-0.00333252	0.2520149	-0.2520149
LRRC36	0.09133005	0.08304161	0.03600526	-0.03256995	0.101747	-0.04721129	-0.09498842	0.09498842
EIF2S1	-0.1363123	0.1044693	0.07368656	0.03571849	0.02959218	0.1209726	-0.1858417	0.1858417
ACADS	0.00319432	0.02853634	-0.02685382	-0.1012709	-0.04540603	-0.05627098	-0.1367871	0.1367871
SUPT5H	-0.00843969	0.02430427	0.01575254	0.06483457	0.01226009	0.09180056	-0.05923884	0.05923884
NISCH	0.05175325	-0.05519275	0.1129066	0.06690704	0.01586759	0.07086349	0.2204256	-0.2204256
SYNGR4	0.04441022	-0.00513468	-0.0521357	-0.05162881	-0.01883049	-0.07084826	-0.05204467	0.05204467
LIG3	0.06434836	0.05827644	0.05465557	0.00886538	0.1143647	0.05955286	-0.122797	0.122797
DPF2	-0.01814045	-0.03123931	0.06385862	0.02304885	0.01196089	0.0982637	0.08892778	-0.08892778
HNRNPM	-0.00826805	0.04901222	0.1090759	0.01073453	0.01196127	0.08718428	-0.1584802	0.1584802
CCT2	-0.06076037	0.04905625	0.06155059	0.05906768	-0.02124275	0.1052935	-0.07481205	0.07481205
IFITM10	0.05866689	0.01200025	-0.0384557	-0.0114986	-0.04019046	-0.02955637	-0.00695436	0.00695436
LAMA3	-0.01015831	0.00302042	0.04529813	0.0464439	-0.00695888	0.02870674	-0.07191728	0.07191728
TMEM161B	0.06800879	0.1364571	0.1025949	0.03682219	-0.01287766	0.08016429	-0.2188697	0.2188697
PIK3CD	-0.03470154	-0.04987295	0.1506887	0.1146934	0.1085238	0.1048381	0.2234682	-0.2234682
TXN2	-0.06842126	0.01217579	-0.1261768	-0.1104902	-0.09107451	-0.08996679	-0.1932583	0.1932583
TCF25	-0.04761732	0.08989076	0.06721969	0.0882576	0.08869791	0.02005817	0.02666155	-0.02666155
MAP2K3	-0.07375724	0.08419675	-0.04058814	-0.04344576	-0.02837213	0.02115545	-0.1071567	0.1071567
CHST1	0.0628264	-0.08724609	0.06555886	-0.00793131	0.02254848	0.05441038	0.4685695	-0.4685695
CHPF2	0.07857215	0.1093348	0.04467631	0.02935269	0.01724305	0.05742401	0.00540636	-0.00540636
UCP2	0.05131021	-0.07081909	-0.07440794	-0.0396647	-0.05167429	-0.06449292	-0.00306811	0.00306811
PTGER3	-0.0578989	-0.2218437	0.1700584	0.04141007	-0.01667539	-0.00782136	0.4692327	-0.4692327
GOLGA5	0.02957071	0.06597401	0.1149237	0.117377	0.05460456	0.1378563	-0.1576481	0.1576481
HPD	-0.088538	-0.00962761	0.01174187	0.05263718	-0.03301378	-0.05581581	0.05200309	-0.05200309
PDLIM2	0.00176048	-0.04270883	-0.1142582	-0.09657753	-0.03877897	-0.08391495	0.1543551	-0.1543551
ARPC2	-0.07480261	-0.01745341	0.01494551	0.02821672	-0.00740043	0.07103434	-0.00019613	0.00019613
HNF1B	0.08124207	0.06103771	-0.07253861	0.00349267	0.06413544	-0.03636124	-0.1285048	0.1285048
ITPRIP	0.03270798	-0.01956932	0.00145659	0.02746036	0.01216376	-0.0106414	0.2441739	-0.2441739
PDCD2	-0.06116816	0.1065266	0.04285628	-0.02078082	0.01058091	0.04548409	-0.2516973	0.2516973
KXD1	-0.02101413	0.03716691	-0.00265458	-0.05388217	0.00794023	0.01011425	0.04420392	-0.04420392
ASTE1	0.07911846	0.00618617	0.1065842	0.1305378	-0.00256266	0.113071	-0.2188877	0.2188877
TCIM	-0.02431353	0.1033716	0.04265778	-0.02614523	-0.05271636	-0.05095409	-0.0422445	0.0422445
BTBD7	0.04939595	0.02370266	0.08444154	0.09444512	0.01092753	0.08503778	-0.06494027	0.06494027
FRMD3	0.0337482	0.1256886	0.1304358	-0.0447233	-0.00170084	0.01003997	0.00403786	-0.00403786
PHGR1	-0.00759561	0.1083593	-0.03062731	-0.03361537	-0.00463644	-0.00786211	-0.08962068	0.08962068
NSRP1	0.06055171	0.03911077	0.1342662	0.05168574	0.09107797	0.06252129	-0.01450839	0.01450839
EMCN	0.03057969	-0.1048513	0.1742843	0.08680851	0.07218413	-0.00711729	0.4025652	-0.4025652
SIGMAR1	-0.1238632	0.09334264	-0.02297759	-0.07235883	0.07538501	0.08044635	-0.1128358	0.1128358
VAMP7	0.07274836	-0.01877418	0.02943756	0.03395302	-0.00729349	0.02559133	-0.1420899	0.1420899
BGN	-0.00366151	-0.09196121	0.1166054	0.0153052	0.00243274	0.0476711	0.7037903	-0.7037903
PCDHB2	0.02609207	0.00582253	0.04144768	-0.00363705	-0.00360298	-0.01683287	0.1327608	-0.1327608
TIGD1	0.05733314	0.09359564	-0.04779979	0.00882828	0.02666384	-0.01968193	-0.1279785	0.1279785
FOXP3	0.00295198	0.0188812	0.1334465	0.02443693	-0.01289338	0.08399093	0.1418407	-0.1418407
THEM5	0.02077232	0.08067734	-0.04731704	-0.05576942	-0.0148287	-0.01286682	-0.09604748	0.09604748
WDR25	-0.0059791	-0.08620356	-0.02900225	-0.03645935	-0.00678531	0.0379248	-0.01403553	0.01403553
OSGIN2	0.02631029	0.0839691	0.0337945	-0.02265564	0.01559727	-0.03679018	-0.00693777	0.00693777
GCA	0.05563891	0.2099435	0.06777913	-0.00987102	-0.01418591	-0.06520186	-0.1813243	0.1813243
SPINDOC	-0.01973016	0.03652731	-0.04447996	-0.08862704	-0.00562605	-0.02653823	0.01380858	-0.01380858

LBH	-0.05531197	-0.09406613	0.1436266	0.0711817	0.01737515	0.0892617	0.4407276	-0.4407276
HEATR5B	0.0561715	0.1042785	0.09029077	0.07655961	0.00127927	0.09447143	-0.2401247	0.2401247
BAIAP3	-0.02572774	0.05329952	-0.02423956	-0.0193205	-0.00698024	0.00514325	-0.00790725	0.00790725
ZNF473	-0.01890873	0.02896543	0.05976495	0.006419	0.00469167	0.07483122	-0.1114928	0.1114928
ZNF791	0.06766307	-0.0469384	0.1690015	0.05581157	0.05157824	0.04817276	0.1608892	-0.1608892
AKAP13	0.1038305	-0.02528312	0.08703875	0.1098125	0.00234461	0.1020645	0.08237266	-0.08237266
CMPK2	0.00850601	0.06361413	0.1201041	-0.01177226	0.00780859	0.00860569	0.04139651	-0.04139651
ADAMTS16	-0.04715724	-0.1502696	0.1026167	0.0620323	-0.0339028	0.039368	0.2834586	-0.2834586
LPIN1	0.0462802	0.1310961	0.1063724	0.02046752	0.1324747	0.09534013	-0.08458924	0.08458924
RPL21	-0.07067248	-0.05730397	0.08837169	0.07526855	-0.06546728	0.1138412	-0.02373702	0.02373702
ABCA9	-0.00226812	-0.1526465	0.1513157	0.1138403	0.02555633	0.04786959	0.3819594	-0.3819594
LZIC	0.00437144	-0.02222116	0.04854801	0.09149602	0.02426392	0.04784278	-0.1305971	0.1305971
GOLT1A	-0.084418	0.04305892	-0.09467067	-0.02489693	-0.03778612	-0.04173879	-0.1467569	0.1467569
NRG2	-0.04707162	-0.1356478	-0.07018369	0.08694518	-0.0185896	0.04900863	0.2665071	-0.2665071
TSHZ2	0.04496406	-0.2069517	0.08286553	0.02106985	-0.00100235	0.02575936	0.3690327	-0.3690327
CAMSAP1	0.04243756	0.00991302	0.01409024	-0.02167457	0.02530669	0.06264033	-0.0309302	0.0309302
RBM10	0.02985352	0.01331764	-0.00048687	-0.05368029	0.02237602	0.05544159	-0.09611058	0.09611058
HDAC5	0.01768317	-0.02244809	0.05149201	-0.00989315	0.03713136	0.05167553	0.2253328	-0.2253328
FOXC1	0.04389365	0.03463807	-0.07075355	-0.09255793	-0.00786569	-0.06409091	-0.06412188	0.06412188
GAS1	-0.05838217	-0.1346449	0.1136089	0.05556008	-0.01850257	0.01039419	0.5415295	-0.5415295
FIG4	0.00973811	0.04066953	0.09480039	0.08953443	-0.01834087	0.03935431	-0.06758971	0.06758971
HMMR	-0.05055602	0.05907059	0.08902659	0.08687476	-0.0031165	0.1236846	-0.3363384	0.3363384
DDX3X	-0.1924999	0.06885982	0.1301146	0.05786291	0.01675465	0.1227793	-0.138952	0.138952
CRTC3	0.04295401	-0.04083595	0.07165752	0.06146428	0.1826989	0.08416295	0.1677995	-0.1677995
ASMTL	-0.08407095	-0.02457155	0.0697637	-0.07922754	-0.02828459	-0.00814022	0.1899024	-0.1899024
SLC17A9	0.01823302	0.03985881	0.07895908	0.141027	-0.02320802	0.08947285	-0.1487723	0.1487723
EIF2S3B	-0.1337472	-0.03585938	0.04994718	-0.00382164	-0.02605074	0.0618504	-0.00036196	0.00036196
CCNY	-0.01041566	0.02562037	0.1432674	-0.02065708	0.00368362	0.00269137	-0.0182064	0.0182064
ZFP36L1	0.04223141	-0.1152363	0.1087317	0.00037562	0.05039342	0.00021721	0.3523683	-0.3523683
BICD1	-0.06619222	-0.05328815	0.0840227	0.143785	0.04807395	0.09794852	0.1301098	-0.1301098
SNX8	0.05397758	0.1035786	0.03806058	-0.07971991	0.02108263	-0.00275767	-0.07406715	0.07406715
KRT15	0.0451912	-0.02260694	-0.1688094	-0.06276911	0.0192421	-0.05701157	-0.1053548	0.1053548
MERTK	-0.00206015	0.0529089	0.101422	0.05430836	0.04373723	-0.02169131	0.1421867	-0.1421867
LRP4	-0.1030633	0.1029303	-0.00265792	-0.04928501	0.02908635	0.03452071	-0.05121062	0.05121062
TBCB	-0.03409787	-0.03337679	-0.05810099	-0.07330254	-0.0254705	-0.04105701	0.09455481	-0.09455481
MYO1F	0.03915162	0.00206374	0.1927603	0.07812496	0.01321722	0.06583166	0.260941	-0.260941
SIDT2	0.0616327	-0.06124735	0.04845785	0.08232432	-0.03250417	0.05064268	-0.02579891	0.02579891
PDZRN4	-0.05632458	-0.1415654	0.0856333	0.02365282	0.01393306	-0.04135419	0.3255338	-0.3255338
TOMM22	-0.08875871	0.09108831	0.01568959	-0.1012866	-0.05097845	-0.04373965	-0.1531686	0.1531686
PSMA1	-0.1067222	0.1322222	0.1408169	0.03212075	-0.01400541	0.09989147	-0.1633267	0.1633267
ANKRD53	-0.1184348	-0.1550872	0.07411644	0.02314613	0.04320699	0.00022842	0.3002941	-0.3002941
VPS4A	0.01765016	0.07044718	0.04314087	-0.05078174	0.095681	0.0058017	-0.04485656	0.04485656
BCAR1	0.03974845	0.09255616	0.00038116	0.00154682	0.09892967	0.0594125	-0.03554156	0.03554156
MRPS25	-0.09961816	0.0582861	0.01628897	0.01896177	-0.02014842	0.04463779	-0.2572536	0.2572536
NUP160	0.0030036	0.0891529	0.1257119	0.03480171	-0.01046571	0.09360088	-0.1380081	0.1380081
IMPA2	0.0629155	-0.01289967	-0.1362736	-0.01537834	-0.05205341	-0.1241138	-0.09612146	0.09612146
MMP3	0.1022748	0.08170771	-0.06196522	-0.00945023	-0.02063709	-0.0164351	0.03847277	-0.03847277
CEMIP2	0.03906613	0.0879625	-0.09973968	-0.05467887	0.00615999	-0.06909739	-0.09375005	0.09375005
LEPROT	0.05756228	-0.01932207	0.1081132	0.1448433	-0.01095317	0.02436234	0.314306	-0.314306
GPR158	-0.09581679	0.07837571	0.07962966	0.1170055	0.04422577	0.1137022	-0.1077981	0.1077981
USP43	0.0071098	0.1745419	0.01219657	-0.04382966	-0.00589073	0.04133688	-0.2110678	0.2110678
DDX54	-0.06558196	-0.01898603	0.06458169	-0.03417671	0.01943636	0.09402339	-0.1021207	0.1021207
PLPBP	-0.1279528	-0.00038078	0.02372634	0.00644539	0.00200618	-0.04491581	-0.1493999	0.1493999
VEZT	0.02609321	0.01853066	0.1537881	0.07859114	0.09999781	0.1026508	0.04198199	-0.04198199
BLCAP	0.09542725	0.0649235	0.1090092	0.08393281	0.00760199	0.09545683	-0.1461818	0.1461818
MUTYH	0.03395019	0.139244	-0.05797889	-0.01155833	0.03796219	0.01233532	-0.2534127	0.2534127
TROAP	-0.03896737	0.08517996	-0.04017313	0.00895089	-0.02632611	0.0890692	-0.2370857	0.2370857
AP4B1	0.05792979	0.09624485	0.02266757	-0.03052619	0.03121975	-0.00406097	-0.2453109	0.2453109
MICU2	0.00979838	0.06743719	0.1433331	0.06071207	-0.06287593	0.1370965	-0.1965296	0.1965296
NDUFA10	0.00128037	0.0600123	0.02240157	0.01146524	0.00408949	0.02628155	-0.2902341	0.2902341
OTUD3	0.03271063	0.05683952	0.00921308	-0.01791952	0.00527324	0.05013722	-0.15587	0.15587

DNAJC25	-0.03296725	0.1308237	0.09151144	0.02581009	0.00414893	0.05008389	-0.1444337	0.1444337
EIF5A	-0.1740699	0.1363551	-0.01194854	-0.07451949	-0.06355157	-0.01121379	-0.120079	0.120079
TRAPPC11	0.02767439	-0.01285532	0.1020616	0.07581935	0.04582572	0.1222551	-0.07839222	0.07839222
ASCL5	0.0365975	-0.00858345	-0.08362509	-0.08558994	0.01391586	-0.03348676	-0.07120115	0.07120115
IGDCC4	0.06893929	-0.07989128	0.0365018	-0.02521435	-0.0308239	0.01261282	0.1234772	-0.1234772
CPS1	-0.03307893	0.0104758	-0.1335238	-0.00376621	-0.05605707	-0.06804363	-0.06253288	0.06253288
PTGER1	0.05055847	-0.1235025	0.07742469	0.05689465	-0.05097483	0.02421669	0.3256064	-0.3256064
GPATCH11	0.02982014	-0.02635514	0.152786	0.07590013	0.02033289	0.07992936	-0.09578097	0.09578097
STARD3	0.1278037	-0.033837	0.00582523	-0.01704459	0.03648944	0.04102075	-0.00364986	0.00364986
MAIP1	-0.1089816	0.1302952	0.05857609	0.06168728	0.00612693	0.05090597	-0.2897009	0.2897009
CNOT1	0.07795035	0.05084213	0.07592029	0.05572457	0.06907223	0.08180443	-0.2256074	0.2256074
FANCD2	-0.07206519	0.06201705	0.08814958	0.02442548	-0.01264383	0.09726902	-0.2799779	0.2799779
USP20	0.05617322	-0.04912607	0.06932744	-0.00321717	0.05171815	0.01117928	0.1905374	-0.1905374
TSPYL4	-0.0150892	-0.1162269	0.06493742	0.1176291	0.08797628	0.02191697	0.2009735	-0.2009735
GALE	0.08348644	0.06293701	-0.1578579	-0.00961712	-0.03902545	-0.02690977	-0.2842636	0.2842636
AP4S1	0.05736743	-0.1468971	0.09048908	0.07689457	0.08171218	0.05748981	0.2987965	-0.2987965
TYW3	-0.07297729	0.00788404	0.1423796	0.09012278	0.01205031	0.08195948	-0.1028067	0.1028067
GMIP	0.00999343	0.07882435	0.03207327	-0.01961218	0.01171012	0.04675575	-0.09657626	0.09657626
EPCAM	-0.01922841	0.2269611	0.00695041	-0.03648505	0.00634994	-0.02582105	-0.3547266	0.3547266
SNAP23	0.03292435	0.04582643	0.1988641	0.1357024	-0.0027901	0.06402385	-0.04159422	0.04159422
CFAP157	-0.1013335	0.07505821	-0.00107909	-0.09168277	-0.00954102	0.03071966	-0.1176925	0.1176925
NUDT13	0.00602225	0.03354894	0.0031598	0.13611	-0.03006404	0.0351097	-0.05027726	0.05027726
ANAPC7	0.02955542	0.0125452	0.01210505	-0.01038833	0.01618902	0.06029951	-0.1597614	0.1597614
GKN1	0.03131464	-0.1179309	-0.04665981	-0.02046739	-0.01335766	-0.00187106	-0.08915217	0.08915217
NDUFC2	0.02517816	0.02465216	-0.00020574	-0.00117428	-0.01329103	0.06873101	-0.0888724	0.0888724
ADRA2B	-0.0471143	0.04910457	-0.05917563	-0.06061262	0.038032	-0.00703154	-0.02963974	0.02963974
LGALS1	0.00794971	0.04871255	-0.04044148	-0.03125888	-0.07087321	-0.0513541	-0.03142023	0.03142023
DDX10	-0.03290861	0.04358692	0.09272721	0.04887117	-0.03438823	0.07065528	-0.1705291	0.1705291
CACNA2D4	0.01953116	0.01771505	0.03179995	0.08075219	0.0041578	0.05069633	0.06981044	-0.06981044
PRRT3	0.00642126	-0.06915699	-0.01214134	-0.00790064	0.01787044	0.04733156	0.1984107	-0.1984107
ZBTB18	0.1453449	-0.03584423	0.0311426	-0.02851312	0.05529208	0.02036737	-0.07341098	0.07341098
SMURF2	0.0594303	-0.05943441	0.1078456	0.09094546	0.07308574	0.1047987	0.06725259	-0.06725259
LYPD8	0.02235036	-0.05711215	0.06925624	0.0102698	-0.04442839	-0.00272753	0.08206204	-0.08206204
EBLN2	0.07812952	0.04395757	0.04923626	0.06368401	-0.03316011	0.01722883	-0.03646796	0.03646796
PRPF18	-0.01173614	-0.00042241	0.07836798	-0.06448022	0.05592378	0.0063733	-0.06922411	0.06922411
ECT2	-0.03965622	0.1049435	0.1104052	0.02874671	0.00292736	0.1335092	-0.2224546	0.2224546
TRIM35	-0.1097417	0.01446512	0.02435746	-0.04096416	-0.03534404	-0.04519914	-0.00310843	0.00310843
UST	-0.0804708	-0.1118173	0.1566526	0.08234802	0.00336172	0.1489755	0.02567006	-0.02567006
PWWP2B	0.02935679	0.09207453	-0.04969257	-0.1046821	0.01131405	-0.05748871	-0.1117761	0.1117761
KCNC4	0.02514928	-0.08097528	0.06894695	0.04783315	0.06074483	0.07736335	0.02879584	-0.02879584
RAB3D	0.05664108	-0.07198041	-0.0234064	-0.07679961	-0.04283296	-0.00231972	-0.149216	0.149216
CTNS	0.00704882	0.00536378	0.1010847	0.04799685	-0.06119049	0.07339002	0.1020436	-0.1020436
MPP2	0.01453737	-0.1227725	0.07412291	0.01507097	-0.000577	0.07938796	0.199496	-0.199496
GLT1D1	0.1117486	0.04635766	0.01932518	0.01454135	-0.05310596	0.00295411	0.1773705	-0.1773705
HDC	0.01844754	-0.1918097	0.1280333	0.09090573	0.00673594	0.04360098	0.1902152	-0.1902152
IBSP	0.06713177	0.1073019	0.042677	-0.0221188	-0.02845652	-0.0598532	0.08707197	-0.08707197
LYSMD4	0.00779019	0.03696203	0.0442701	0.0028412	-0.0308066	0.05919284	-0.07086221	0.07086221
ANKLE2	0.0432441	0.00548815	0.04778051	0.08697479	0.03510469	0.1111303	0.01359091	-0.01359091
SFPQ	-0.0477841	0.05397728	0.07495346	0.03702213	0.0009263	0.1137712	-0.1838229	0.1838229
RIC8A	-0.00975165	0.02481655	0.04138667	-0.00512337	-0.00290117	0.06645186	0.03948282	-0.03948282
KLRF1	0.06446163	-0.02917402	0.05422838	0.05263616	0.00814131	-0.00557915	0.1291115	-0.1291115
CD72	-0.04428789	-0.08391944	0.1213524	0.08151415	0.08283971	0.02907903	0.1953229	-0.1953229
GDNF	-0.06991676	0.02522735	0.00091686	0.03124443	-0.01777086	0.02921844	0.07978307	-0.07978307
HSD17B6	-0.02993227	-0.1686232	0.09657397	-0.03504402	0.01250369	-0.03113366	0.3840265	-0.3840265
VKORC1L1	-0.03033504	0.04101106	0.1364063	0.08006754	-0.02218374	0.1090713	-0.1171573	0.1171573
TINAGL1	0.02306227	0.05149092	0.01171907	0.01871964	0.00146803	0.01246349	0.07088612	-0.07088612
NCR3	-0.01848095	-0.1587746	0.02085986	-0.01206862	0.0253721	-0.00203624	0.1673455	-0.1673455
CENPS-CORT	0.05646265	0.0481381	-0.03156339	-0.00798295	0.0342099	-0.00946322	-0.2232294	0.2232294
PFKFB2	0.04727295	0.1014594	0.00167357	0.03162139	0.01970809	-0.02076491	-0.2694068	0.2694068
PCNX1	0.03018224	-0.04111054	0.1537102	0.1259251	0.07025257	0.05005199	0.1982053	-0.1982053
BRD9	0.05412209	0.1365117	-0.01443969	0.01755122	0.0611218	0.06947309	-0.07011669	0.07011669

PTPRD	0.06193906	-0.02461606	0.156967	0.03908866	0.00616144	0.08130309	0.1261983	-0.1261983
SCAI	0.04975449	-0.05010232	0.1097532	0.00986374	-0.00279799	0.03176759	-0.0105801	0.0105801
TMEM65	0.00147753	0.05087441	-0.00036184	0.02273726	-0.03955621	0.02759313	0.04006165	-0.04006165
CEACAM21	0.00100985	-0.0238034	0.1110635	0.04289105	0.02707883	0.01787935	0.246322	-0.246322
SLC66A1L	-0.00350001	0.05661285	-0.01285124	-0.01839508	0.01119282	-0.06884264	-0.05373976	0.05373976
CMTR1	0.01559532	0.07703922	-0.01880993	0.00057762	0.03655296	0.01233035	-0.0562369	0.0562369
TNNC2	0.06826991	0.02901394	0.00935262	-0.03337786	0.00795076	0.04583747	-0.01700456	0.01700456
ST8SIA1	0.04294874	-0.143378	0.09347536	0.09585475	0.02861856	0.02180484	0.2532938	-0.2532938
DENND4A	0.03301595	0.00354207	0.1746892	0.09688012	0.05052858	0.05384677	0.02768593	-0.02768593
GNL3	-0.00777926	0.1251316	0.03863235	0.010808	-0.03124095	0.04335579	-0.341571	0.341571
AGPAT3	0.06790116	0.04121	-0.04334349	-0.02549479	0.05047476	0.02234036	-0.06825023	0.06825023
TFDP1	-0.02383805	0.07301669	0.0843199	0.02057225	-0.00307525	0.1014839	-0.2085548	0.2085548
RAB1A	-0.06106782	0.05921505	0.06728843	0.05340929	-0.05315013	-0.00160192	-0.09179516	0.09179516
ZBTB44	-0.0763372	-0.04395979	0.1264283	0.06411712	-0.05108835	0.0849483	-0.06465638	0.06465638
PECAM1	0.06039266	-0.03602171	0.1694421	0.1005049	0.0639354	0.04338352	0.4084112	-0.4084112
ATXN7	-0.00089806	0.01595915	0.1386711	0.06948658	-0.00529686	0.06047355	-0.0340564	0.0340564
TGFBR3L	-0.09858985	0.08390266	0.03814509	-0.01135958	0.01760139	0.02364269	0.00259348	-0.00259348
STYX	-0.08074246	0.01876222	0.1956703	0.06710379	0.03175037	0.1045301	-0.01465951	0.01465951
MGMT	-0.02684873	0.07597801	0.02129543	-0.1515327	-0.02070543	-0.03811032	-0.07607721	0.07607721
ISLR	-0.00299778	-0.107371	0.1224191	-0.02244964	-0.00077413	0.00687041	0.6312995	-0.6312995
CYHR1	0.0132231	0.1068784	-0.0517375	-0.00448254	0.00188346	0.02123093	-0.08866333	0.08866333
MYLK	-0.04103415	-0.1503625	0.1011562	0.03676919	0.0297076	-0.05065796	0.348948	-0.348948
STX16	-0.0105572	0.04092838	0.08787126	0.06420288	0.00422706	0.08015603	-0.123191	0.123191
METTL26	-0.07233152	0.00458983	-0.04353256	-0.04899723	-0.0343482	-0.03758164	0.0314636	-0.0314636
PNPLA4	-0.2904418	-0.02575909	0.05944813	-0.05067315	0.04505299	0.0056208	-0.07592065	0.07592065
SRRT	0.05339614	0.1113958	-4.72E-05	-0.01160566	0.0255851	0.04900008	-0.2209095	0.2209095
CENPC	0.01330208	0.02125553	0.1694754	0.07216044	0.00823066	0.09656143	-0.03874748	0.03874748
ZNF233	-0.01129198	-0.06131006	0.03383662	-0.08394947	-0.02444378	-0.03664196	-0.08347643	0.08347643
WRAP73	0.00638953	0.1225831	-0.02027958	-0.02638714	0.03155381	0.05456731	-0.1374046	0.1374046
SRP68	-0.01219805	0.01937216	-0.04901529	-0.02559892	0.04783433	0.01923384	-0.11927	0.11927
IL17RC	0.02675744	0.05241977	-0.1250918	-0.07580568	-0.02498397	-0.04814618	0.00670874	-0.00670874
GTF3C1	0.07405	-0.03279908	0.03674932	0.05774407	0.1214408	0.08461992	-0.01422312	0.01422312
CLIP2	0.09747531	0.01688912	0.03528799	-0.05487515	0.126233	0.05668412	0.07935274	-0.07935274
PLAAT2	0.00622026	-0.04049729	0.03823931	-0.0006344	-0.03308507	0.0316133	-0.05573162	0.05573162
CBY1	-0.03042208	-0.0670376	0.03274557	-0.05039818	-0.00489491	0.01101108	0.1127375	-0.1127375
CRLF2	0.1238629	-0.04919413	0.03897597	-0.04602836	0.2030464	0.03799749	0.2332688	-0.2332688
LRMP	-0.06722687	0.00030077	-0.00788682	0.01295439	-0.01619796	0.02243947	-0.04312048	0.04312048
MAP3K14	0.03537877	0.01648873	0.09300724	0.03762328	0.1337836	0.038928	0.1088918	-0.1088918
DEPDC5	0.01949578	0.1065942	0.02574223	0.00805211	0.05202124	0.04273457	-0.1165534	0.1165534
P2RY6	-0.00657327	0.01736022	0.06625311	0.00231964	-0.03459585	0.06941939	0.1520334	-0.1520334
ZNF235	-0.02316755	-0.04876178	0.09438515	-0.06010797	-0.00213796	0.01563967	-0.02977301	0.02977301
ITCH	0.07224256	0.0543317	0.1238077	0.08245681	-0.01596639	0.09610276	-0.1376142	0.1376142
CENPT	0.09005213	0.09801688	-0.05377503	-0.0590272	0.02399882	-0.05365502	-0.1083984	0.1083984
AGAP6	0.1194849	0.08942145	0.07845602	0.07234397	0.02356625	0.09678418	-0.1061321	0.1061321
CNNM1	-0.00314484	-0.03599125	-0.01583124	-0.05961546	0.05772923	0.03992111	0.00820597	-0.00820597
PBX2	-0.04368681	-0.00041843	-0.02570043	-0.03772277	-0.00544391	-0.02482241	0.00699681	-0.00699681
KANK3	0.0234712	-0.06161602	0.1302363	0.06101363	0.08136657	0.06200885	0.4068303	-0.4068303
PPIL3	-0.07412301	0.09659441	0.03825529	0.01212932	-0.0619313	-0.02470297	-0.09811235	0.09811235
CHD6	0.1263861	-0.00703674	0.07825167	0.0699017	0.01154788	0.0856899	0.05353937	-0.05353937
CREG2	-0.03521167	-0.0331585	0.09994652	-0.03937374	0.00504865	0.1241531	-0.02473542	0.02473542
TRAF1	-0.04091942	-0.02483999	0.1115363	0.03615979	0.0547857	0.08831963	0.1553304	-0.1553304
SEC14L4	0.00241298	-0.07282081	-0.01996737	-0.1300824	0.00895564	-0.048136	0.1354196	-0.1354196
BTBD19	0.06131746	-0.0080392	0.104701	0.1158229	-0.02532559	0.09696584	0.3701934	-0.3701934
SOX6	0.05276856	-0.01662997	0.06980604	-0.06918339	-0.08023256	0.02374391	-0.07385959	0.07385959
SMIM22	0.0050937	0.00013997	-0.1228648	-0.01329501	-0.03109459	-0.06683246	-0.1018972	0.1018972
SPTLC1	0.00077516	0.06391877	0.08131733	0.0190631	-0.01232988	0.05715436	-0.1563421	0.1563421
NHEJ1	-0.00270515	0.02794658	0.07218126	0.01520057	-0.03661312	0.05893689	-0.1153881	0.1153881
TTC17	0.08581619	0.07441465	0.08621877	0.03376235	-0.03476545	0.09780397	-0.1150166	0.1150166
ATR	0.04815113	0.03765928	0.1868671	0.1240751	-0.0236424	0.1735553	-0.1539215	0.1539215
AHCY	0.06037479	0.02736742	0.00661494	0.01993955	-0.01232402	0.03812996	-0.20512	0.20512
PLCL1	0.01287709	-0.1190216	0.1975043	0.07870309	0.07443206	0.01782543	0.3932796	-0.3932796

CLK3	0.05081207	0.0802371	-0.0430835	-0.04431556	0.03649246	0.00350098	-0.1249319	0.1249319
ZMYND19	-0.09406913	0.1492844	-0.02891761	-0.1030756	-0.02447853	-0.01440517	-0.1480528	0.1480528
MEST	0.03047922	0.04399764	-0.02954851	0.03666267	-0.00458115	-0.02252416	-0.1460825	0.1460825
SATB2	-0.00108012	0.07243634	0.0755296	0.00971115	0.03174666	0.06089856	-0.1079528	0.1079528
CHERP	0.03576183	0.06659269	0.02797373	0.04244653	0.1058164	0.07415822	-0.157384	0.157384
ATP6AP1	0.09839821	0.07225494	-0.04259799	-0.00685476	-0.00910626	-0.02329622	-0.06752543	0.06752543
ARHGFB9	0.05274811	-0.03486899	0.05375096	-0.03383172	0.04929274	-0.04846091	0.2013644	-0.2013644
UBE2G2	0.01992376	-0.02887048	0.1168932	0.02210405	0.04586677	0.06025578	0.0574544	-0.0574544
MED27	0.00454098	-0.01558042	-0.01187323	-0.02978982	-0.04027389	0.04023847	-0.06228781	0.06228781
BNIP3	-0.04320679	-0.05857487	-0.0148553	-0.00277225	0.0193259	0.01033447	0.06306694	-0.06306694
EPS15L1	0.05241724	0.02156204	0.01801632	-0.04080763	0.08027641	-8.71E-07	-0.07584438	0.07584438
ZNF324	0.03814169	-0.07249819	0.02022315	0.00055672	0.01104199	0.04014219	0.03242375	-0.03242375
CCDC102A	-0.01282041	-0.1372255	0.07683676	0.0168461	0.076234	0.0458754	0.4643413	-0.4643413
TFB2M	-0.01825807	0.02792554	0.05605245	0.05996509	-0.01076888	0.03801961	-0.2601947	0.2601947
PODXL	0.02488068	0.1056304	0.1660322	0.0406683	0.0373307	0.1500293	0.09648584	-0.09648584
ATP6V0E2	-0.02615047	-0.0347252	-0.04137133	-0.1073749	-0.05248752	-0.06958231	0.05390449	-0.05390449
WDR13	0.08552004	-0.03326197	0.01201646	-0.0414402	0.03936826	0.04187852	0.1657633	-0.1657633
IL2RB	-0.03430762	0.05923565	0.1658718	0.04875664	0.02239918	0.1025704	0.1319165	-0.1319165
SRPK3	0.1126929	-0.0344346	-0.0149906	-0.00854948	-0.04623462	-0.02959191	0.03980548	-0.03980548
PLA2G5	-0.00346906	-0.02224884	-0.0152364	-0.07308354	0.1533269	-0.05307576	0.2332053	-0.2332053
JADE3	0.07313119	-0.01137396	0.1066517	-0.02027377	0.05152913	0.05959145	-0.1005843	0.1005843
DAD1	-0.01685434	-0.00194612	-0.0452839	-0.06979402	0.00975805	0.04317811	0.01044754	-0.01044754
MFAP5	0.00664626	-0.1548545	0.139454	0.01942174	-0.04731357	0.00441352	0.5371206	-0.5371206
MED13	0.08596755	0.03627171	0.02152001	-0.04411453	-0.00801856	-0.00237363	-0.09804024	0.09804024
BCL2L2-PAB	-0.04974699	0.06854553	0.08668243	0.0409039	0.1107197	0.113254	-0.202706	0.202706
MAGOHB	-0.04663928	0.07923606	0.1101576	0.01843654	-0.00792894	0.08189954	-0.1598791	0.1598791
STK36	0.1235116	0.03500711	0.0114189	0.05213021	0.02096054	0.0664676	-0.1647867	0.1647867
TSSC4	-0.02736288	-0.02388323	0.07678188	-0.03088262	-0.00848017	0.1025771	0.08630421	-0.08630421
MTMR8	0.05529631	0.00804714	0.058948	-0.00416047	-0.02847609	0.01417129	-0.1260078	0.1260078
R3HDML	0.01840529	0.04009297	0.02990354	0.1053474	0.06626568	0.04904962	-0.04331476	0.04331476
DNAJB4	-0.01071791	-0.1422828	0.1373286	0.06692688	0.01961166	-0.01986104	0.3827811	-0.3827811
ZNF671	0.02353144	-0.1118696	0.06815618	0.09256404	0.06920795	-0.00532124	0.2600862	-0.2600862
HOXC4	0.08272025	-0.1484265	0.02310625	0.0101358	-0.05704873	-0.00765302	0.06651112	-0.06651112
CYB5R1	0.00951832	-0.1052241	-0.02921754	-0.05668472	0.02440598	-0.07793097	0.07037736	-0.07037736
NCOA6	0.07078152	0.05896482	0.09161154	0.03509108	-0.0149761	0.09791203	-0.141376	0.141376
DUOX2	0.03139252	0.04423719	-0.04981291	0.05946064	-0.02661338	0.02705849	-0.180044	0.180044
APTX	-0.02728957	0.1364636	0.01987336	-0.04025589	-0.0147165	0.08681755	-0.2550688	0.2550688
ZSWIM3	0.07589727	-0.04768493	0.01783395	0.00049517	0.00147226	0.04852806	-0.1351133	0.1351133
KDELRL1	0.03121993	0.09384283	-0.06811234	-0.02850625	-0.01713169	-0.0378467	-0.1090837	0.1090837
PRKCE	0.01014136	-0.07904272	0.02971531	-0.00560492	-0.00193561	-0.01193217	0.0194505	-0.0194505
PAMR1	0.03115045	-0.1028244	0.1293337	0.06954937	-0.00741853	0.01717381	0.3132257	-0.3132257
IDE	-0.01033699	-0.00285418	0.1148095	0.03447211	-0.02036547	0.1047003	-0.1489771	0.1489771
Z82206.1	-0.03829255	-0.07493807	0.1197267	0.03216365	-0.01168781	-0.04008493	0.1163415	-0.1163415
C11orf49	-0.02973823	0.0304748	-0.04480172	0.01134684	0.00016531	0.03697362	-0.08658109	0.08658109
FAP	0.03052316	-0.00360687	0.1217362	0.03857469	-0.02227764	0.00396814	0.5201904	-0.5201904
NUP155	-0.01345473	0.02909202	0.07727435	-0.04187625	0.00704506	0.07618264	-0.07814815	0.07814815
PRDM16	0.07414841	0.02208443	-0.01582934	-0.02132462	-0.02043009	-0.058749	-0.1049922	0.1049922
GTF2F1	-0.00503236	0.03623976	0.04844183	-0.03659799	-0.00694006	0.05658233	0.01655332	-0.01655332
TMEM208	0.05578396	0.2070555	0.01394489	-0.00252038	0.03502585	0.05405433	-0.1865986	0.1865986
OGFR	-0.07812398	0.1276309	0.08235358	-0.03347593	-0.02839229	0.05734666	-0.0463045	0.0463045
TANK	-0.00868109	0.0632125	0.1595726	0.1220735	0.02951806	0.04833549	0.02018343	-0.02018343
TARS2	0.02484093	0.0350037	0.03929319	-0.02547017	0.02541762	-0.03648135	-0.1908107	0.1908107
RELA	-0.02932628	0.04075131	0.0192548	0.01116222	0.02822356	0.05979456	0.07284094	-0.07284094
BANP	-0.07141658	0.00988472	0.05604013	0.04762503	0.02565641	0.03365337	-0.03139553	0.03139553
DDHD2	-0.04055788	-0.05812713	0.1043996	0.03306652	0.02218726	-0.01212382	0.03604897	-0.03604897
TMEM117	0.07152161	0.04030113	0.04097417	0.0162127	-0.0208125	0.03864457	-0.1152613	0.1152613
PLXNA2	0.117984	0.03547475	0.02253847	-0.00051505	0.02402684	0.02792045	-0.1499607	0.1499607
SLC1A1	0.05235203	0.07296985	0.04882013	-0.0376009	0.08149931	-0.00460735	-0.140457	0.140457
YAE1	0.03188143	0.0977421	0.00699174	0.01902568	-0.02341745	0.02896324	-0.2363713	0.2363713
POLR3A	0.02917678	-0.00169797	0.09244979	0.1066792	0.01665877	0.1159943	-0.1088611	0.1088611
AREL1	0.0629097	0.09079675	0.06797726	0.04291084	0.04325291	0.09511131	-0.1770441	0.1770441

SLC12A8	0.00884285	-0.0362665	0.1200856	0.03290163	-0.07207731	0.08134677	0.00202467	-0.00202467
NR1D2	0.02375026	-0.03418643	0.1083468	0.1133841	-0.00668455	0.1549591	-0.03658647	0.03658647
SAA4	0.02575297	0.1031291	-0.04698982	-0.1002886	0.0212126	-0.02904616	-0.07978193	0.07978193
C4A	-0.02183849	-0.1347958	0.1917726	0.1523146	0.09506245	0.07510693	0.4105697	-0.4105697
MS4A14	-0.0155302	0.05346469	0.1179479	0.01152055	0.03569376	0.05561128	0.2697713	-0.2697713
SCX	-0.03925418	0.00860098	0.02387401	0.05655911	-0.04723166	0.02191789	0.07411057	-0.07411057
DBF4B	0.00109966	0.07859108	0.03618303	0.02956328	0.1005205	0.1038527	-0.1372744	0.1372744
DYRK1A	0.00463217	-0.01184167	0.1393398	0.05075532	0.03076183	0.1078602	0.02397863	-0.02397863
JUND	0.02056105	0.06742133	-0.03198322	-0.07866818	0.07788979	-0.06473017	0.05483804	-0.05483804
KCND1	0.04283561	-0.1835383	0.07840296	0.03418526	0.04002828	0.0386897	0.4054504	-0.4054504
GEMIN7	-0.09547689	0.02204918	-0.05011936	0.01347119	-0.03641749	0.0077819	-0.1948133	0.1948133
HSPA1B	-0.05271082	-0.02392745	-0.04698468	0.00154253	-0.0113429	0.03133251	-0.06039288	0.06039288
CILP2	-0.1596016	-0.08884426	0.05078241	-0.00377025	0.0636085	0.05155933	0.2443052	-0.2443052
SPRED3	-0.01534375	0.01542923	-0.00910943	0.07386951	0.06696691	0.09473014	0.2035539	-0.2035539
GLE1	-0.04461051	0.1113682	0.02957911	-0.07273718	-0.0406682	0.04762014	-0.2601435	0.2601435
TMEM171	-0.01339062	0.08792526	-0.1401159	-0.1174657	-0.0679787	-0.09216814	-0.1833178	0.1833178
PNO1	-0.04630072	0.05086147	0.1124985	0.04630087	0.01992299	0.07418586	-0.1514758	0.1514758
GUCY1A2	-0.01285501	-0.04918278	0.1109785	0.03991359	-0.00486903	0.01738301	0.3022705	-0.3022705
PNPLA8	0.02040455	-0.00657213	0.1287128	0.09591471	0.02996918	0.04985849	0.01222449	-0.01222449
STX4	0.06102062	0.1033695	0.08705337	0.00626899	0.07399411	0.02489624	0.05848636	-0.05848636
CEP112	-0.00125232	-0.1637038	0.09142839	0.03764545	0.0214195	0.01009854	0.3583838	-0.3583838
MKRN2OS	0.07074725	0.04281731	-0.179874	-0.0735998	0.01966073	-0.1170212	-0.2129353	0.2129353
HCK	0.0352785	0.0312914	0.1298101	0.01369348	-0.0260435	0.0227221	0.2314478	-0.2314478
MTRNR2L6	-0.05777381	-0.038876	-0.1050877	-0.08251591	0.1370911	-0.0241521	-0.02292554	0.02292554
TEAD3	0.01586252	-0.02492581	0.05556114	0.00772037	-0.00566898	-0.01072043	0.2279422	-0.2279422
CTSL	-0.04303455	0.05459397	0.1842943	0.07547641	0.03936238	0.01680122	0.2381638	-0.2381638
STEAP3	0.00592	-0.01329007	-0.04854745	0.03935496	-0.00884443	0.01699896	-0.1719277	0.1719277
NALCN	-0.06825101	-0.06902686	0.0968849	0.06704396	-0.0215122	0.07273752	0.3428145	-0.3428145
MLH3	0.08903215	0.02947833	0.1135534	0.06612951	0.09296937	0.1128107	-0.1491035	0.1491035
RNF19A	0.05560883	0.06881416	0.09253266	0.05232812	0.06791441	0.1018171	-0.00533638	0.00533638
ILKAP	-0.03358721	0.1043917	0.07135585	0.01421529	0.01036319	0.04738071	-0.1237739	0.1237739
EMID1	0.03625014	-0.06268975	-0.07271838	-0.05012881	-0.06424037	-0.02763151	-0.03246625	0.03246625
FUT3	0.03296882	0.1367187	-0.1374962	-0.09255144	0.01039015	-0.09107111	-0.2348625	0.2348625
PTTG1IP	0.02194036	0.00088829	0.07795031	0.03190758	0.1153919	0.02645004	0.1268429	-0.1268429
LACC1	0.1105468	-0.00593504	0.1508895	0.05464015	0.01478304	0.03665897	0.09980984	-0.09980984
RTN4R	-0.03308222	0.03023922	0.02562968	-0.08177899	-0.00449234	0.02683435	-0.08369705	0.08369705
ZNF487	0.06353176	0.06386184	0.0705175	-0.05076306	0.05717929	-0.01406716	-0.04270522	0.04270522
PAG1	0.01342619	0.1037567	0.1985258	0.1644657	0.0250052	0.1639662	-0.07673967	0.07673967
TCF20	-0.0003158	0.08567668	0.107447	-0.06584055	0.06157077	0.0688986	-0.1383409	0.1383409
CNPY3	0.02274946	0.1568875	-0.1173077	-0.09601378	-0.01484912	-0.1215832	-0.03817448	0.03817448
SHMT1	-0.01859193	0.1136376	-0.07192664	-0.02332563	0.02272127	-0.04941358	-0.2459265	0.2459265
FASTKD2	-0.03748613	0.1153081	0.04728842	0.09023705	0.05290651	0.1069913	-0.3032276	0.3032276
SH3BGRL2	0.04531293	0.07566218	-0.03514407	0.02490417	-0.06085834	-0.02184705	-0.2915016	0.2915016
MYH10	-0.01320952	-0.06555093	0.1191138	0.03914215	0.01355398	0.04621757	0.3829493	-0.3829493
PLVAP	0.1210046	-0.01787586	0.07993829	0.02531364	0.04906511	0.07182333	0.2275485	-0.2275485
ABCA8	0.01348743	-0.1899326	0.1408948	0.09230768	0.02072623	0.00285599	0.3259066	-0.3259066
RAPGEFL1	0.05359885	0.05611268	-0.1145288	-0.04259068	0.06227809	-0.01157109	-0.1819342	0.1819342
SRSF3	-0.06119889	0.07273823	0.1203542	0.03527645	0.00075982	0.1027176	-0.2196625	0.2196625
C3AR1	-0.01703887	0.01242053	0.1999749	0.08602766	0.02719727	0.0152763	0.2622069	-0.2622069
ZNF548	0.03104628	0.04020638	0.0960452	0.05301632	0.05251305	0.0473337	0.1082459	-0.1082459
NEU1	0.01177952	0.06396855	-0.09617844	-0.01346187	0.03767908	0.05271551	0.0327052	-0.0327052
ZNF462	0.08061036	-0.07076976	0.05609164	0.04907263	0.08866714	0.07809388	0.09462081	-0.09462081
MTO1	0.03253813	0.07219911	0.1172911	0.09152293	0.05286044	0.06181848	-0.1510462	0.1510462
ZNF207	0.07088396	0.09632727	0.104316	0.07898057	0.01625273	0.1106395	-0.2058175	0.2058175
HGF	0.053553	-0.1014213	0.1484442	0.1402944	0.01667649	-0.01316817	0.3243471	-0.3243471
RIPK1	-0.00403525	0.08035063	0.0874939	0.05366387	0.0452849	0.05082526	-0.09227467	0.09227467
MRPL44	-0.05678078	0.09135803	0.04785029	-0.00335657	-0.02847095	0.04542223	-0.2437112	0.2437112
PEX12	-0.01945421	-0.06459037	0.01623509	-0.04027449	0.02489605	-0.01297056	-0.01432836	0.01432836
TMEM150A	-0.00347089	-0.05905343	-0.01485614	0.02416527	-0.03978098	0.02058807	0.1320705	-0.1320705
NUDT5	-0.07470505	0.1082207	0.0841648	-0.01902002	0.05291747	0.09401893	-0.2162413	0.2162413
H2AFY2	-0.07240307	-0.05392343	-0.04070614	-0.03680099	-0.00039999	-0.03092626	0.1028657	-0.1028657

PCNX3	0.0698222	0.04637622	0.04810776	0.0186512	0.0263184	0.1241916	-0.1618137	0.1618137
MAPK1	-0.02359138	-0.01609363	0.07780389	0.01302153	0.00101197	0.03973674	-0.01160645	0.01160645
MED15	0.06400061	0.00641867	0.0592771	-0.02715679	0.00354256	0.06730113	-0.00642179	0.00642179
PGM5	-0.03697204	-0.1639883	0.08545116	0.0234899	0.02899575	-0.04994638	0.3352193	-0.3352193
ATP8B4	0.06031703	-0.04769983	0.2744604	0.1318112	0.0351093	-0.03692265	0.2858207	-0.2858207
MAP2K5	0.0025843	-0.01452996	0.00934754	-0.07298599	-0.02430239	-0.04531743	0.06213918	-0.06213918
CPT1B	0.07167408	0.1419663	-0.05777934	0.04020298	0.07295613	0.0081581	-0.2252958	0.2252958
SLC16A5	0.0091808	0.04744449	-0.02766077	0.04906765	0.02019059	0.01654502	-0.1519796	0.1519796
IRX5	0.03979449	-0.09016291	-0.0739174	-0.00816883	-0.06204224	-0.00765144	-0.06652011	0.06652011
ALG14	-0.02519656	-0.0153271	0.05066671	0.04120522	-0.00771024	0.07921619	-0.1419942	0.1419942
HIGD2A	-0.04711858	-0.06806923	-0.0973229	-0.07759215	-0.00573102	-0.0395242	0.06247395	-0.06247395
PCDHB13	0.05574483	0.01504238	0.09096431	0.06539898	0.04746516	0.03403761	0.05295008	-0.05295008
MLYCD	-0.1040822	-0.03317559	0.04818573	0.07643899	0.04235527	0.02778406	0.0387606	-0.0387606
EPHA10	0.05042161	0.1413292	0.03690055	-0.04794109	0.03661436	-0.03869028	-0.1558873	0.1558873
SLC29A1	0.03521815	0.03146708	-0.05058371	-0.06223682	0.01567148	-0.06605956	0.07341651	-0.07341651
RPS25	-0.112824	-0.01252054	0.03585133	-0.01385828	-0.1492976	0.01083096	0.08499884	-0.08499884
REXO1	0.02182392	0.07808844	0.03798826	-0.05161569	0.01572008	0.03789852	-0.07307137	0.07307137
PCF11	0.02029443	0.03143968	0.0591049	0.04780142	-0.02098466	0.05972111	-0.07681003	0.07681003
NHLRC1	0.03423648	-0.02516527	-0.02519696	-0.04345749	0.01657684	0.06028587	0.01138461	-0.01138461
RPS6KC1	0.08047591	-0.08025959	0.1292249	0.04465093	0.03568635	0.03321008	0.07167029	-0.07167029
ATP6V0C	0.00593056	0.00551043	-0.01751	0.01998462	-0.01947311	-0.02179102	0.0328285	-0.0328285
GEM	-0.03589914	-0.1225468	0.1708827	0.07053335	0.1227083	-0.01032672	0.4429485	-0.4429485
MICA	-0.00041702	0.08657368	-0.0231878	-0.0394381	-0.0250043	-0.06679597	-0.08422936	0.08422936
ROBO4	0.1155934	0.0465259	0.06692536	0.03267036	0.05128949	0.02783548	0.2248494	-0.2248494
OLA1	-0.07306291	0.07329732	0.07057308	0.00025058	-0.02017488	0.05494785	-0.2349644	0.2349644
HFE	-0.01539964	0.08757302	0.2178015	0.02521396	0.05284869	0.07236972	-0.09003263	0.09003263
CDA	0.04299124	0.01702756	-0.06540395	0.05486434	0.05760572	0.06274018	0.05999707	-0.05999707
STOML1	0.1188464	-0.06541729	0.00527808	-0.01765892	0.04674548	0.03593966	0.1505346	-0.1505346
GPATCH2L	0.06227803	0.00109764	0.1235076	0.07345662	0.03028608	0.07994841	0.1087502	-0.1087502
C12orf43	-0.04264527	-0.1262593	0.08899555	-0.04401595	0.07064407	0.05663602	0.04052337	-0.04052337
SRBD1	-0.01844437	0.1169053	0.179323	0.1256728	0.04902539	0.09164083	-0.162588	0.162588
FAM169A	0.04774855	-0.07394013	0.03497277	0.00710485	-0.02454605	0.03879996	-0.05609873	0.05609873
HMGCS1	0.01321413	0.1087887	-0.01223108	-0.01308183	0.00051704	0.00965832	-0.220008	0.220008
VAV2	0.08377895	0.03158578	0.02127851	0.05702822	0.03794611	0.1326613	-0.1038622	0.1038622
ACER3	0.06984446	0.00116344	0.08679651	0.04809018	-0.0141687	0.05012581	-0.1146146	0.1146146
KCNN2	-0.09044402	0.03095027	0.04518335	0.00230838	-0.01632983	0.01616615	0.2664452	-0.2664452
DDX17	0.01650936	-0.01016057	0.1092717	0.05617048	0.02559921	0.1280144	0.01149908	-0.01149908
MPV17L	-0.06781442	-0.04182173	-0.009489	0.00460906	0.03404875	-0.03272773	-0.00426321	0.00426321
SMPDL3B	-0.05050996	0.08663658	-0.02559325	0.01949074	-0.00737864	-0.01129011	-0.1901771	0.1901771
ALG2	-0.06346291	0.05150807	0.07781752	-0.05196612	-0.01637258	0.04228484	-0.08470326	0.08470326
MTFMT	-0.0608752	0.04553339	0.07006253	-0.05257147	-0.01269011	-0.00969744	-0.09682388	0.09682388
MEX3C	-0.05696172	0.09392498	0.1486028	0.0350916	0.03402315	0.06759215	-0.00830086	0.00830086
SPATA32	0.07449476	0.09021142	-0.01498671	0.01783273	0.1173012	0.0117082	0.01112733	-0.01112733
TPD52L1	-0.03611123	0.01860727	-0.09243905	-0.00711989	0.06411131	-0.06637488	-0.1661834	0.1661834
M6PR	-0.03450306	0.03350796	0.09124778	0.00707255	0.01127837	0.0806588	0.00436446	-0.00436446
GOPC	0.00926739	0.09085198	0.1126503	0.09811564	0.03099727	0.1203742	-0.09639137	0.09639137
MTMR1	0.04065819	0.06847001	-0.0050335	0.0456684	0.0074667	0.05203147	-0.1511578	0.1511578
TPI1	-0.06562335	0.09623277	-0.08234294	-0.08033332	0.00703504	0.01778999	-0.1492707	0.1492707
TRMT1L	-0.07718342	-0.05493623	0.07188563	0.05655426	-0.00726036	0.06207695	-0.1342274	0.1342274
SRMS	-0.05038441	0.02150744	0.0539736	-0.02052945	-0.06153599	0.05874712	-0.09948579	0.09948579
DUT	-0.01276831	0.01707585	0.1319284	-0.02233225	-0.07915257	0.05462863	-0.07423177	0.07423177
PMS2	0.00897055	0.00818161	0.09715749	-0.0027811	0.0083516	0.03555431	-0.1216035	0.1216035
ARSB	0.02966774	-0.1224717	0.207681	0.1258124	0.01131807	0.07963317	0.396921	-0.396921
KLHDC8A	0.05119702	-0.0665395	0.02191011	-0.08392452	0.05442232	-0.01009741	0.01440394	-0.01440394
ZNF516	0.02496039	-0.09581552	0.03636877	0.04532972	0.04044729	0.04089338	0.2039124	-0.2039124
ARHGEF19	0.1027639	0.00105002	-0.1110809	-0.03697668	-0.03928303	-0.01580309	-0.08073097	0.08073097
ERC1	-0.06534989	-0.05355444	0.07254313	0.08098261	-0.02438175	0.04765401	0.1793966	-0.1793966
TSPOAP1	0.07036698	0.08054444	-0.00952979	-0.0647981	-0.02138758	-0.05208192	0.04576663	-0.04576663
DPH6	0.08262192	0.04541112	0.0826895	0.02028143	0.03417729	0.01501251	-0.06605437	0.06605437
CLIP1	0.03955571	-0.0757152	0.08454231	0.02740641	0.03494926	0.01883204	0.1615881	-0.1615881
TAF13	-0.06601865	-0.00255226	0.08052734	-0.01132635	-0.04275781	0.03299653	0.00306365	-0.00306365

PIGU	0.1069587	0.1302256	-0.01888536	-0.04082228	-0.0098807	-0.00145966	-0.1484742	0.1484742
DHRS3	0.07970907	-0.00017566	-0.05386138	0.00814017	-0.0773071	-0.05450236	0.03961103	-0.03961103
ACTG2	-0.05328687	-0.1526136	0.06778395	-0.01638582	0.00558914	-0.06546265	0.3004963	-0.3004963
ZNF823	-0.03184349	0.1009598	-0.00395973	-0.07180422	-0.02932756	-0.01017124	-0.2638577	0.2638577
ZNF658	-0.05808044	-0.02431143	-0.00082456	-0.02963416	-0.03357227	-0.03713035	0.01175536	-0.01175536
COLGALT2	0.08837238	-0.1508755	0.0028046	-0.07751409	-0.01768034	-0.04364502	-0.05263147	0.05263147
CERS5	0.07127592	-0.05761446	0.1152841	0.08252565	0.06142986	0.08107809	0.2050971	-0.2050971
HCFC1R1	-0.06620642	-0.09177595	-0.03829779	-0.00022891	-0.02673717	-0.01905161	0.4646842	-0.4646842
ITGB7	-0.01167994	-0.00086176	0.177021	0.0655312	0.03852538	0.1108226	0.09310937	-0.09310937
ABCD4	0.1133513	0.1106662	0.00526854	0.03724334	0.07831487	0.02912294	-0.05960519	0.05960519
RAB38	0.04195391	-0.06251466	-0.05488031	0.05238029	0.02983882	-0.0576814	-0.04697828	0.04697828
PIAS2	0.00969947	0.05252046	0.1448268	0.09696414	-0.0146655	0.05947783	-0.04160821	0.04160821
WASF2	0.01867704	-0.07859759	0.08877632	0.06866185	0.0231522	0.07983946	0.1357048	-0.1357048
RANBP3	-0.06155026	-0.03845321	0.04440955	-0.0591852	0.02559085	-0.01678358	0.1475868	-0.1475868
CH25H	0.05001159	-0.1432794	0.05675306	0.04872981	0.05363226	-0.04488342	0.4212681	-0.4212681
TRIM33	0.02265054	-0.04774087	0.115832	0.02953322	-0.00072925	0.07698185	-0.05532212	0.05532212
PLEKHJ1	0.01733401	0.05869547	-0.03592268	-0.0585617	-0.02656438	-0.0228354	-0.1979437	0.1979437
PPDPF	0.08504412	0.02656281	-0.1052275	0.02235175	-0.03108538	0.01295908	0.04463646	-0.04463646
CAPN13	0.01046453	-0.01926236	-0.07877241	0.0546595	0.00817389	-0.01453416	-0.1686321	0.1686321
SUGP1	-0.00801098	0.1039976	-0.0183385	-0.08540856	0.0134955	0.01059294	-0.1369433	0.1369433
XPC	-0.05942012	-0.00324702	0.1520704	0.0962932	0.06396213	0.144676	0.05918455	-0.05918455
SEC61G	0.06989282	0.0993902	-0.00955433	-0.04697582	0.02070139	-0.00964231	0.01171328	-0.01171328
GALNT5	0.05108513	0.0727721	0.06903782	0.01135495	0.05860569	0.06361789	-0.1364101	0.1364101
ADH6	0.05706028	-0.05926744	0.073803	0.08510219	-0.01662208	0.05691569	-0.07718833	0.07718833
PREB	-0.03092275	0.07860438	-0.1060907	-0.09580588	-0.03979818	-0.06628591	-0.045001	0.045001
TXLNB	-0.00763297	-0.09209309	0.070627	0.01454008	0.0008514	-0.03342198	0.2323253	-0.2323253
GSTM5	-0.04145403	-0.197979	0.07886093	0.08469466	-0.01911543	-0.0368877	0.481203	-0.481203
CHM	0.00819242	0.03459926	0.0919338	0.03668338	-0.02782512	0.0852905	-0.04814526	0.04814526
HMGN3	-0.06067262	-0.04099765	0.05466177	0.03481446	0.04851891	0.097799	-0.106424	0.106424
PPM1G	-0.01155318	0.0958031	0.01034457	0.01215954	0.01314909	0.0572532	-0.2214524	0.2214524
PROSER3	0.0504287	0.00276838	0.03960649	0.07027108	0.00213937	0.1342938	-0.02957814	0.02957814
LRRC4B	-0.00508256	-0.1157057	0.01169857	-0.02523695	-0.03808275	0.0190881	0.1663802	-0.1663802
GOLGA3	0.03036443	-0.03373073	0.1446589	0.08225991	0.01538684	0.1533774	0.04562742	-0.04562742
NSF	0.05434749	0.03370511	-0.000621	0.00318255	-0.0077016	0.03155485	-0.1852304	0.1852304
CIAO2B	-0.05924788	0.1354913	-0.02926774	-0.07645336	0.01823462	0.00430927	-0.09081896	0.09081896
FASTKD5	-0.00391072	0.09586706	0.07733638	0.01846165	-0.01704138	0.04263703	-0.2333457	0.2333457
SMIM5	0.1047567	-0.03062782	-0.1142772	8.09E-05	-0.04279268	-0.01354291	-0.2094393	0.2094393
SLC43A3	-0.02697642	0.06250691	0.01872038	-8.32E-06	0.00499587	-0.04050355	0.00256988	-0.00256988
RBM41	0.05961036	0.02133104	0.1614625	-0.00814513	0.04486775	0.1012486	-0.06205998	0.06205998
HPSE	-0.124153	0.07813597	0.0566209	0.04050768	0.0109088	-0.01171756	-0.1486661	0.1486661
USP32	0.04989011	0.03181709	0.06876103	0.01747098	0.02695401	0.02134519	-0.07247377	0.07247377
KRAS	-0.03938111	0.04331392	0.00044863	0.09635203	-0.03824806	0.07007899	-0.04173491	0.04173491
RNF43	0.09106051	0.00276799	-0.05105223	-0.0754854	-0.01152035	-0.02263586	-0.0996102	0.0996102
SH3YL1	0.04422947	0.09298156	0.02710623	-0.02989276	-0.00052331	0.00259338	-0.2901291	0.2901291
PSMC6	-0.03302184	0.1354874	0.1263475	0.09094974	-0.03065757	0.1358189	-0.2479675	0.2479675
COMP	-0.04303615	-0.07726576	0.0242884	-0.04824421	-0.0376933	0.0250996	0.02392335	-0.02392335
SLC35A5	0.02683827	0.0276757	0.1413488	0.04790665	-0.02450738	0.06092424	-0.01723313	0.01723313
B4GALT7	0.07783912	0.07348728	-0.04741502	0.04832151	0.07696516	0.04168867	0.04274393	-0.04274393
LGALS9B	-0.0440153	0.04628972	0.00498322	-0.01396689	0.06358617	0.07583362	-0.1173186	0.1173186
SLC35B2	0.08647279	0.1199431	-0.05140609	-0.05404664	-0.02543721	-0.03428288	-0.05600459	0.05600459
WDR11	0.03173831	0.07006852	0.0999119	0.06730713	-0.02021927	0.0622833	-0.06978454	0.06978454
PNCK	-0.06874256	-0.1322407	0.06267478	-0.02086164	0.00907576	-0.07143718	0.2917286	-0.2917286
SOAT1	0.05404276	-0.07521793	0.1140168	0.11586	-0.01334356	0.05392194	0.07999224	-0.07999224
TCEAL3	0.03043759	-0.1274701	0.03607795	0.02790456	0.01478971	-0.04478649	0.442906	-0.442906
BTBD3	-0.03571409	-0.01437371	0.07438415	-0.04310173	-0.05440476	-0.01400124	-0.05470207	0.05470207
DLG5	0.06564305	-0.07554207	0.03299419	0.07858642	0.01884415	0.04490573	0.06994766	-0.06994766
SURF2	-0.06289447	0.00966003	-0.02469841	-0.08192581	-0.0575318	0.04771489	-0.08026144	0.08026144
CLDN12	-0.04659601	0.0727178	-0.00299659	0.00625323	-0.02425467	0.02094542	-0.02122879	0.02122879
DMD	-0.04137351	-0.1451018	0.1004676	0.03910772	0.02212929	-0.02153029	0.2998002	-0.2998002
PRDM15	0.05326208	0.01894284	0.10572	0.1129207	0.01600941	0.1370649	-0.06364992	0.06364992
PDE1B	-0.08322643	-0.1199664	0.06828223	0.07889571	0.05970493	0.03398575	0.4160806	-0.4160806

PCNT	0.02783084	0.00589193	0.08387757	0.04760286	0.09379452	0.1143695	-0.1064194	0.1064194
PAICS	-0.08790872	0.08455082	0.06246948	-0.01068726	0.00747429	0.07637895	-0.2509921	0.2509921
ZNF223	-0.01439417	-0.05143041	0.08103945	-0.03485414	-0.00315634	0.05233791	-0.1029475	0.1029475
CASC4	-0.01778846	0.01066996	0.2467999	0.09435967	-0.03271261	0.08797861	0.00925725	-0.00925725
EEF1A1	-0.00705896	-0.03378499	0.1931757	0.1098222	-0.02183097	0.06423584	-0.00164756	0.00164756
NPR1	0.00670073	-0.1036412	0.1115451	0.04909554	0.05365957	0.01315199	0.4385256	-0.4385256
BIVM	0.04098742	0.06459032	0.1338905	0.03702674	-0.02836187	0.03720535	-0.1107228	0.1107228
TMEM47	-0.01383175	-0.1598174	0.1780166	0.06074361	0.0302218	0.04205564	0.4801653	-0.4801653
GBP3	-0.0078741	0.1229826	0.1123622	0.00231578	-0.00723584	0.06703885	-0.1841109	0.1841109
ADRA2C	0.03780945	0.02040007	-0.05982508	-0.07897439	-0.02294381	-0.03044083	0.0338723	-0.0338723
TEX264	0.00735166	0.09878106	-0.09474234	-0.106849	-0.01720456	-0.0830321	-0.1520272	0.1520272
CAPN1	0.02620835	0.05750103	-0.04673618	-0.03937611	0.02038464	0.03096044	-0.1086817	0.1086817
ADO	-0.07409431	-0.02098862	0.05961727	-0.0275076	-0.02927224	0.0792448	0.00520224	-0.00520224
FAM133B	-0.06778378	0.07335752	0.01948889	0.01793924	-0.05933569	0.03281905	-0.04828256	0.04828256
AP2S1	0.0119354	-0.03419619	-0.05216063	-0.04695317	-0.01097213	0.007033	0.02009677	-0.02009677
NABP1	0.04006382	0.08160352	0.04372198	0.06616996	0.01705837	0.03815868	-0.06655926	0.06655926
ATP6V1F	-0.02470491	-0.01800076	-0.0471227	-0.1510272	-0.01108157	-0.03566233	0.07521778	-0.07521778
AMFR	0.07127845	-0.04893098	0.1197256	0.06407212	0.1077845	0.05552126	0.1065439	-0.1065439
BPMS2	-0.06044066	-0.1505761	0.08369938	0.01223488	0.01786185	-0.0470746	0.3591975	-0.3591975
BARX1	-0.06159109	-0.1501792	0.0906308	0.0477645	0.04439857	-0.02455561	0.3937123	-0.3937123
ABCG5	-0.00878448	-0.07143863	0.02686124	0.01596668	0.03407597	-0.00023381	-0.1072235	0.1072235
KDM2A	0.0481233	0.09391161	0.1026619	0.0883889	-0.02492174	0.08359592	-0.0604977	0.0604977
NDUFA9	-0.09601764	0.1639236	0.09593671	-0.0013001	-0.03022317	0.06793166	-0.2241875	0.2241875
POC5	0.0227723	0.1125539	0.1197134	0.1242985	0.01398273	0.1402756	-0.03375249	0.03375249
SH3BGRL3	-0.1020849	-0.00013523	-0.05107587	-0.04003124	-0.05673372	-0.00805091	0.1424806	-0.1424806
SNX5	0.06898808	0.1203635	0.06370259	0.05413887	-0.01613133	0.02704348	-0.2368049	0.2368049
UGT2A3	0.06248369	0.05850112	0.08846323	0.00349283	-0.03991939	0.00203046	-0.08601673	0.08601673
RBM34	0.05643017	0.07482137	0.04274094	0.01584129	-0.04828852	0.04032137	-0.04605401	0.04605401
ARHGAP27	0.07931267	0.1687039	0.04169963	0.05707578	0.1256919	0.07741182	-0.2226879	0.2226879
SLC9A9	0.02464455	-0.1618537	0.1586867	0.1053948	0.06027832	-0.0411951	0.3763966	-0.3763966
TAF5	-0.09056882	0.05977972	0.07805774	-0.03662257	-0.04084386	0.07266156	-0.227155	0.227155
BHLHE41	-0.01292337	-0.04204028	0.1092575	0.1312102	-0.04492461	0.1047413	0.0927517	-0.0927517
ADAT3	-0.1337617	0.09591763	-0.1017366	-0.151293	-0.02525227	-0.05476993	-0.161702	0.161702
RAD51AP1	-0.04093801	0.155402	0.07640296	-0.00388205	-0.03889462	0.08373994	-0.3099349	0.3099349
ZNF638	0.03044334	0.05050262	0.1385379	0.09299621	0.00122225	0.120765	-0.08878688	0.08878688
ALKBH2	-0.1091896	0.05484153	0.02592615	-0.1122934	-0.0874531	-0.07336122	-0.1449064	0.1449064
GTF2H5	-0.01609034	-0.06956701	0.104048	0.01254009	0.00064899	-0.05668351	0.03091775	-0.03091775
LDLRAD3	-0.04821721	0.00919713	0.07956144	0.03071882	-0.0098349	0.06079853	0.1343305	-0.1343305
HPGDS	-0.06337723	-0.0420935	0.032688	-0.01235432	-0.00737834	0.0290007	0.02953784	-0.02953784
ERF	-0.06953032	0.02714633	0.00084922	-0.07747647	0.03472197	-0.01005794	-0.00725996	0.00725996
1-Mar	-0.07587347	-0.0282753	0.09877016	0.03332332	-0.03320324	0.05745603	-0.1957292	0.1957292
FSTL3	0.0309983	0.01392338	0.05718427	0.01909292	0.04138404	0.05110696	0.269231	-0.269231
SLC25A12	-0.00321389	-0.01490401	0.05538617	0.00130372	-0.00524038	-0.05397581	0.2383398	-0.2383398
VRK1	-0.1101646	0.08982936	0.04787156	-0.01384794	0.01096474	0.0652811	-0.3380891	0.3380891
ZNF367	-0.02562802	0.06482915	0.03697223	-0.08665181	-0.00524275	0.01769179	-0.2267281	0.2267281
ASH1L	0.03046554	-0.06697521	0.08486811	0.0846755	0.02673668	0.07929397	-0.00495594	0.00495594
PSMD9	-0.06950825	-0.04418402	0.07617017	-0.03224169	-0.02626308	0.04835517	-0.0243052	0.0243052
MRPS22	-0.08445735	0.05772677	0.1127994	0.05312636	-0.07567436	0.06016852	-0.2009825	0.2009825
YJEFN3	0.08200843	0.08109106	0.0084413	0.01641156	0.01427448	0.00540759	-0.1394377	0.1394377
PCMT1	-0.01912756	0.037564	0.06998106	0.02700923	0.05151101	0.05804173	-0.1514262	0.1514262
CDKN2C	-0.0256539	-0.04009684	-0.1120497	-0.03245543	-0.09117902	-0.05836029	0.00723428	-0.00723428
CD3EAP	-0.1348849	0.05694372	0.01005299	-0.00069476	-0.01338603	0.0465789	-0.01899174	0.01899174
LRRC27	0.09977629	0.07262618	-0.04676119	-0.05721494	0.07952542	-0.01688676	-0.00661638	0.00661638
NECTIN2	-0.01636448	0.04875959	-0.04843744	0.01826736	0.04325713	0.05153077	-0.1202892	0.1202892
MATK	0.01029659	-0.0367685	0.1277953	0.0331246	0.09163204	0.04469068	0.2397797	-0.2397797
ATAT1	0.1043266	0.1656819	-0.02341825	0.01048282	-0.00726185	0.01998427	-0.1493115	0.1493115
EBF4	0.03263801	-0.1001494	0.0521864	0.01282932	-0.00320907	0.02238327	0.1874433	-0.1874433
OVOL1	0.02149667	0.09330982	-0.07484828	-0.02875412	-0.01793764	0.00492234	-0.2201708	0.2201708
RAB24	0.0098717	0.1591733	-0.0485454	-0.03634196	0.09755055	0.02938841	0.03218741	-0.03218741
DISP2	-0.03350876	-0.00139788	0.02510233	0.00551864	0.06664565	0.05472148	-0.00994808	0.00994808
DMAC1	-0.01638918	0.07783846	-0.03769207	-0.1456924	-0.03957353	-0.117788	0.00442205	-0.00442205

EMG1	-0.00806704	0.06443805	0.04337368	0.02045921	-0.02764314	0.06823505	-0.1840506	0.1840506
RAB5B	0.03058729	-0.05899584	0.08483101	0.06880281	0.0119238	0.07537348	0.02761632	-0.02761632
MC1R	0.09217226	0.01039687	0.02353307	0.07217144	0.1084017	0.07224594	-0.00687828	0.00687828
COMMD9	0.02515304	-0.04706122	0.03205433	9.10E-05	0.06283743	-0.09405984	0.08715136	-0.08715136
COL24A1	0.01688759	-0.004819	0.0524697	0.00049153	-0.00832761	-0.02945606	0.2985025	-0.2985025
NIPSNAP1	-0.01724094	0.06997424	-0.06677816	-0.06081042	-0.01346675	-0.05014604	-0.1460227	0.1460227
AP4E1	0.04142995	0.03705451	0.1231332	0.05254957	-0.00558805	0.07673262	-0.07532294	0.07532294
KCNG1	-0.08290865	-0.08257369	-0.05828557	0.05624214	0.02964828	-0.01027206	0.08839518	-0.08839518
TBC1D23	0.04752923	0.07954903	0.116762	0.05539954	-0.04408443	0.06844116	-0.08988322	0.08988322
LRWD1	-0.02589144	0.02232779	-0.02591898	-0.0156451	-0.02297509	0.03083199	-0.06268263	0.06268263
SUSD6	0.08287428	0.01287919	0.08073216	0.05098558	0.01797357	0.04545626	0.1867119	-0.1867119
TMEM25	0.04258001	-0.07599406	-0.01949493	-0.00414411	-0.03805911	-0.02865107	0.1145204	-0.1145204
CCRL2	-0.01625389	0.07587892	0.03319344	0.03044652	-0.01171742	0.00519196	-0.1088716	0.1088716
GXYLT2	-0.08073631	-0.1450384	0.1223025	0.03994041	-0.01174676	0.02079473	0.4404242	-0.4404242
STRN3	-0.01432845	-0.01033023	0.1251744	0.08150954	0.01279653	0.05182751	0.04480251	-0.04480251
NHS	-0.1192097	-0.03911135	0.1661933	0.1303619	0.03804897	0.1334951	0.02311715	-0.02311715
PDCD7	-0.01618275	-0.05405595	0.1267996	-0.02263765	0.006038	0.06970408	-0.02561389	0.02561389
NAA20	0.018796	0.1155369	0.09738681	-0.01509492	-0.05303621	0.05872445	-0.2542541	0.2542541
SNAPIN	-0.06472508	-0.02126424	-0.04059581	-0.04447814	-0.02198457	-0.04219462	0.1357409	-0.1357409
UBE2R2	-0.01838552	0.06910529	-0.01402252	-0.07675102	0.02779031	0.04834967	-0.05109033	0.05109033
NCMAP	0.06328029	-0.05853187	-0.0236837	-0.01514432	0.05715513	-0.02924024	0.01257735	-0.01257735
MOAP1	0.033404	-0.08342277	0.1508008	0.05267637	0.01429618	0.01945902	0.09727735	-0.09727735
ERICH1	-0.02566662	-0.00825727	0.1246637	0.03588491	-0.0303466	0.02155946	0.07887457	-0.07887457
E2F7	0.0338542	0.07063847	0.03006844	0.02222139	-0.01848712	0.06225273	-0.1747567	0.1747567
ZNF300	0.06169512	0.02616705	0.03535765	0.05263292	-0.01972662	0.04850312	-0.02392545	0.02392545
CENPO	0.00038666	0.07201079	-0.02408301	0.04967853	0.02463693	0.05342519	-0.2237836	0.2237836
MIOS	-0.02634313	0.06602618	0.1451368	0.04400821	-0.01254818	0.0653662	-0.2732602	0.2732602
SIGLEC8	-0.05574879	-0.05938063	0.1399319	0.09227227	0.01153318	0.0818662	0.1573928	-0.1573928
IFI35	-0.01206389	0.02196926	0.08553802	-0.03219875	0.00910755	0.06655066	0.0381234	-0.0381234
IGF2R	0.08141711	-0.00273458	0.08474103	0.03912241	0.03605506	0.05667414	-0.06486379	0.06486379
DHX40	0.04664489	0.00108187	0.05770166	-0.00917724	0.01354967	0.04493817	0.01452818	-0.01452818
BMP1	0.03160574	0.04587458	0.05402804	0.03488409	-0.01712596	0.04154775	0.3396901	-0.3396901
PHLPP2	0.02413514	0.06790965	0.1147018	0.03412371	0.1093656	0.07250354	-0.06878895	0.06878895
PLAAT3	-0.03774207	0.00224003	0.118667	0.04268115	0.1515313	0.1169603	0.1927583	-0.1927583
NTHL1	-0.04229125	0.09161247	0.06862049	-0.00794762	-0.03166571	0.01057983	-0.02110987	0.02110987
TMEM119	-0.00338852	-0.1279292	0.08826247	0.03619609	0.01546266	0.0610025	0.5054634	-0.5054634
GLOD5	0.05370332	0.01932322	-0.03414681	-0.04644858	0.04357279	-0.05410304	-0.09515678	0.09515678
PREX2	0.05370892	-0.08367998	0.1685331	0.09388953	0.02190958	0.03016711	0.3427148	-0.3427148
BCL2L11	0.06362248	0.04826858	0.1109881	-0.00078828	0.01137381	0.06903384	0.00070794	-0.00070794
GGPS1	0.04546609	0.01677134	0.06580321	-0.00360229	0.03803251	-0.04305048	0.01678636	-0.01678636
DCAF5	0.04334591	-0.02318024	0.1113765	0.08506778	0.04798667	0.1230196	0.1105968	-0.1105968
GAP43	-0.05181841	-0.1115015	0.02559333	-0.05605763	0.00644292	-0.09052129	0.3476144	-0.3476144
SPDL1	-0.03387538	0.1343186	0.05786793	0.1039396	0.05408628	0.1268819	-0.1719361	0.1719361
RSAD2	-0.0159802	0.06581532	0.1663428	0.01728323	-0.01348374	-0.0075246	0.1413639	-0.1413639
ATRN	0.06288388	0.03956531	0.03607405	0.06968536	-0.0245785	0.02840449	-0.1317866	0.1317866
OMA1	-0.06203873	0.04285081	0.04397075	-0.03010661	-0.0244542	-0.03304384	-0.199243	0.199243
PLEKHG3	0.05538224	0.09729186	-0.06017449	0.00499986	-0.0100186	0.04386474	-0.01430481	0.01430481
SPG7	0.09586155	0.06216943	0.08801948	0.09339518	0.121502	0.07857624	-0.07346632	0.07346632
LAMP1	0.1058402	0.01408843	0.146891	0.01088796	-0.01205641	0.0785701	0.04167441	-0.04167441
FLNB	-0.02236627	0.06411967	0.08168716	0.03963831	-0.00137626	0.1057262	-0.141107	0.141107
SLC3A1	0.11513	-0.03829903	-0.00479465	-0.00020789	0.04296348	-0.00331692	-0.03232129	0.03232129
MACO1	0.01377706	0.03487595	0.02413332	0.05164005	-0.00591683	0.07008375	-0.1177949	0.1177949
SMIM8	-0.06504254	0.01957647	0.08817164	-0.01047438	-0.01720381	-0.05684395	-0.03476414	0.03476414
ENTPD2	0.05949234	0.04957878	-0.05595813	-0.06787927	-0.02546801	-0.05517313	-0.07175235	0.07175235
FBLN1	0.00216818	-0.1416152	0.07313528	0.02594665	-0.01958268	-0.02853135	0.4283111	-0.4283111
COL12A1	0.07958884	0.04420839	0.07997863	0.03359634	-0.00861963	0.00149122	0.3698274	-0.3698274
CASKIN2	0.03209133	-0.02078985	-0.01055872	-0.02422924	0.03933078	-0.01666135	0.08174434	-0.08174434
UGP2	0.02602943	-0.03579451	0.1061573	0.0923939	-0.0344027	0.02690466	-0.08590443	0.08590443
S100PBP	0.03356435	-0.00873018	0.1228485	0.1035987	0.01351818	0.08894825	0.1162399	-0.1162399
TIMM21	-0.1222402	0.1493212	0.08988785	-0.02320821	-0.00530069	-0.03815738	-0.2135523	0.2135523
C1orf50	-0.05222737	0.01097085	-0.00764779	-0.00379274	0.06558555	0.01678012	0.09666278	-0.09666278

HLA-DQB2	-0.05651353	0.02251956	0.06931922	-0.03226637	-0.01491738	0.06588766	0.01213476	-0.01213476
TM2D1	0.06302152	0.09374239	-0.1034941	-0.08530182	-0.02840605	-0.08810387	0.02772742	-0.02772742
JPT1	-0.08671474	-0.01083291	-0.00857558	-0.02398197	0.0919327	0.03272583	-0.09443939	0.09443939
BECN1	0.07815085	0.06169554	0.1062591	0.02020246	0.08068993	0.05821188	-0.04436485	0.04436485
C8orf58	-0.1163735	0.04702622	-0.04376123	-0.06005271	0.0470746	-0.08021214	0.1980968	-0.1980968
CD38	0.02543392	0.05695436	0.1434059	0.01397733	0.06769342	0.08110227	0.09916946	-0.09916946
DUSP3	0.00242165	-0.1196641	0.126571	0.03907914	0.04076889	0.00721951	0.3129114	-0.3129114
TPRKB	-0.09507729	0.04494094	0.03197142	-0.03868581	-0.0272106	0.02237934	-0.1001318	0.1001318
LRCH3	-0.00953852	-0.1246852	0.1747306	0.1077886	-0.01143976	0.09764531	0.2822652	-0.2822652
GNAL	-0.00814286	-0.1403426	0.1205439	0.07457925	0.02146584	0.05600245	0.3745092	-0.3745092
TSC22D3	-0.03253169	-0.1140525	0.1115104	0.06399137	-0.02876644	0.06736661	0.3293315	-0.3293315
EXOC6B	-0.01585405	-0.00321339	0.1026019	0.07492011	0.02676858	0.07904274	-0.02522944	0.02522944
YOD1	-0.0143127	0.04576445	0.05793916	0.09936885	-0.02389517	0.06095349	-0.2082277	0.2082277
NOD1	0.04479752	0.02152928	0.2018031	0.07514507	0.1086176	0.0831839	0.247222	-0.247222
RETNLB	0.08291477	-0.01636237	-0.07998476	0.00471981	-0.04302229	-0.04533464	0.01027509	-0.01027509
ATPSCKMT	0.00695251	0.1027927	-0.04325226	-0.07111261	-0.04155126	-0.03187401	-0.160259	0.160259
SLC12A4	0.05589601	-0.00356895	0.08929029	0.07328511	0.07462892	0.05242012	0.428067	-0.428067
COQ9	0.07169446	0.1061055	-0.02365155	-0.03528026	0.04906014	0.007617	-0.2118976	0.2118976
METTL14	-0.04138543	-0.0326164	0.1439043	0.07574435	0.04768256	0.08846524	0.05278963	-0.05278963
TCF4	0.05523526	-0.1549384	0.1886664	0.1071124	0.01159379	0.05705524	0.4365299	-0.4365299
STAT5B	-0.00948789	-0.07030245	0.1985619	0.05965214	0.09757007	0.05568177	0.2564993	-0.2564993
GLG1	0.03173489	0.02562776	0.2064706	0.1272316	0.1223269	0.1567107	0.07853227	-0.07853227
PCDH17	0.04446808	-0.03831936	0.1716456	0.1116492	0.05120682	0.06042019	0.3059192	-0.3059192
ZNF518B	-0.01059807	-0.1179684	0.02199116	0.03961874	-0.00867101	0.04671339	0.1829526	-0.1829526
FAM104A	0.05119155	0.00189714	0.0245194	0.02325928	0.04193829	0.0211159	-0.1041124	0.1041124
SCARB2	0.048525	-0.01010482	0.11204	0.01567825	0.0127822	0.00384602	0.06437137	-0.06437137
ANKRD13A	0.012719	-0.0347403	0.137805	0.03129339	0.02818846	0.03816019	0.06176173	-0.06176173
CSDE1	-0.03389333	-0.08221118	0.1371663	0.09098176	-0.00827411	0.03607185	0.1230577	-0.1230577
ZC3H15	-0.1010689	0.1286457	0.1365292	0.08763489	0.01334966	0.1307779	-0.2130198	0.2130198
NAV3	-0.02802836	-0.122967	0.1587491	0.0930338	0.03408165	-0.00313963	0.489701	-0.489701
DLC1	-0.01903561	-0.09484444	0.1505312	0.06001667	0.02976276	-0.01400969	0.4354436	-0.4354436
HDAC1	-0.04350932	0.1638128	0.00958358	-0.02717623	-0.00418442	-0.00204972	-0.2788715	0.2788715
ZNF432	0.04487594	0.07527752	0.08622773	0.0770932	-0.00196231	0.0697472	-0.0585956	0.0585956
CBR3	0.01543544	-0.04862655	0.03327855	-0.0782259	0.03699492	-0.02044837	0.2115102	-0.2115102
UHRF1BP1	0.04826141	0.06511337	0.1210073	0.03936852	-0.00884818	0.09939756	-0.08945505	0.08945505
DOK1	0.00999868	0.03515203	-0.0138263	-0.04507255	-0.03459768	-0.02860692	0.05822667	-0.05822667
AFAP1L1	0.09855072	0.00900609	0.1429358	0.04424813	0.07235628	0.0774781	0.3227511	-0.3227511
UTP4	-0.07083211	0.08509413	0.09164319	0.03527543	0.1156563	0.09201797	-0.2056395	0.2056395
RYR1	-0.1334897	-0.08027575	-0.02474446	0.007351	0.07913944	0.06825056	0.03954228	-0.03954228
UMPS	-0.05175622	0.05944222	0.01229148	0.04621991	-0.03785838	0.0580113	-0.2584228	0.2584228
ZNF627	0.0490471	-0.00650898	0.06110872	0.00510931	0.00200615	0.01540771	-0.02270826	0.02270826
ZBED8	0.04682926	-0.04792589	0.02439147	0.07681812	0.05857349	0.00253506	0.1001344	-0.1001344
KANK1	0.04398086	-0.01134487	-0.00272242	-0.0996494	-0.0306449	-0.08116225	0.01494918	-0.01494918
BEST4	0.02188384	-0.03189441	-0.01295806	0.04430993	0.03301987	0.03886165	-0.04060285	0.04060285
CDKN3	-0.09672426	0.1152223	-0.05627831	-0.07554467	-0.01033848	0.00419067	-0.1950465	0.1950465
SPN	-0.00543099	-0.06081555	0.1868391	0.02814178	0.04996716	0.07651208	0.2311018	-0.2311018
TNFRSF10B	-0.0235554	0.1211862	0.01803516	-0.02495722	-0.00340865	-0.00468677	-0.1007897	0.1007897
BTN2A2	0.06384211	0.06964816	0.1650691	0.05935984	0.05683846	0.09250746	0.01212842	-0.01212842
DNASE1L1	0.04268534	-0.00908976	0.01249682	0.02849671	0.02671123	0.04646455	0.00369562	-0.00369562
MOSPD2	0.02686568	0.07468623	0.1700315	0.03595266	0.00062333	0.07467069	-0.09755958	0.09755958
BAIAP2L2	0.01102878	0.1178022	-0.02087325	-0.0273731	0.05335206	0.01615262	-0.2651018	0.2651018
PKP4	0.05632592	0.06217558	0.0185304	-0.00840023	-0.01373061	-0.00846157	0.03391842	-0.03391842
SDHAF4	0.0094165	0.01089542	-0.02286078	-0.02668045	0.02095762	-0.04727506	-0.1220929	0.1220929
KAT7	0.01971731	-0.00923669	0.09114383	0.03966324	0.04521742	0.09076489	0.04586898	-0.04586898
MAF	0.0283732	-0.07382548	0.1219493	0.01056534	-0.01065647	-0.0152242	0.4270008	-0.4270008
USP28	-0.03215702	0.01190583	0.1436584	0.00562129	-0.04857982	0.05583754	-0.1553936	0.1553936
CILP	-0.02605122	-0.1343173	0.08100948	0.04316407	0.01412474	-0.01431191	0.3841773	-0.3841773
PARP3	-0.05776017	0.129247	-0.00337068	-0.0428566	-0.00611557	-0.02029898	-0.1053268	0.1053268
LPXN	-0.07218687	-0.00354582	0.04816101	0.00085414	-0.01113924	0.05533827	0.0022166	-0.0022166
HIST1H2BE	-0.00434353	0.00232104	-0.1501332	-0.07837749	-0.05724365	-0.08373656	-0.02180161	0.02180161
PDZD11	0.02694858	0.00129138	-0.08283137	-0.1268203	0.02289215	-0.06264416	-0.01035766	0.01035766

DDX20	-0.04274116	0.05513379	0.0918987	0.03158762	0.01346154	0.09544033	-0.1762891	0.1762891
CHAF1A	-0.03998263	0.08691157	0.030699	-0.07442731	-0.00269316	0.03980349	-0.219114	0.219114
SLC27A5	-0.01690408	0.00353215	0.01081059	-0.09225344	-0.0166751	-0.0493856	-0.1188901	0.1188901
UTP25	-0.02344673	-0.00048501	0.06800048	-0.00575094	0.05412181	0.05734725	-0.1480521	0.1480521
PHF6	-0.07097775	0.1324364	0.07513412	0.0183337	-0.03936523	0.06304647	-0.1447484	0.1447484
ELL3	-0.09046191	0.05190952	0.01264479	-0.03663622	-0.01018551	0.01771958	-0.1693701	0.1693701
VNN1	0.00896378	0.05557536	-0.08388637	-9.24E-05	-0.02519297	-0.01150264	-0.1595239	0.1595239
ZSCAN31	0.05484868	-0.09948363	0.04826723	0.05106582	-0.02706502	-0.05244992	0.1301358	-0.1301358
THAP8	-0.05348682	-0.04550487	-0.05561845	-0.1065861	-0.0247291	-0.09696207	0.2084323	-0.2084323
HARS2	0.02073334	0.07978255	0.03720489	0.1025819	0.05650498	0.1280525	-0.1197667	0.1197667
OLFML3	-0.02924586	-0.1799276	0.1564711	0.0763871	-0.03137013	0.00204784	0.4451846	-0.4451846
KPTN	0.02651643	0.01257952	-0.05727525	0.00861759	-0.0005756	0.00163085	-0.040532	0.040532
PRTFDC1	0.02083774	0.01907484	0.03738214	0.08083444	0.04320599	0.07323937	-0.04183572	0.04183572
C9orf72	0.06781125	0.1487995	0.08586913	-0.00953281	-0.09840211	-0.02153586	-0.06797322	0.06797322
PACSIN3	-0.00494913	0.03912801	-0.02588966	-0.09444555	0.00481963	-0.02063663	-0.07173057	0.07173057
NBEAL2	0.1116488	0.07574267	-0.09588167	-0.01280172	0.03832837	0.02712677	-0.2083637	0.2083637
CD14	0.00559316	-0.00803223	0.118479	0.06928059	-0.00896491	-0.03165262	0.3280052	-0.3280052
DNAJC16	0.00402635	0.0408148	0.06656759	0.03652454	0.04730418	0.0555614	-0.2036162	0.2036162
LURAP1	0.01583725	-0.1639099	0.07502568	-0.00355294	0.03760822	-0.00566665	0.4061307	-0.4061307
BLK	-0.01326572	-0.08481062	-0.00824376	0.07839538	0.01683938	0.00274714	0.1516864	-0.1516864
IMP4	-0.07155342	0.07857191	-0.03701414	-0.0266242	0.01337671	0.01241112	-0.1827585	0.1827585
ATP6V0D2	0.06159003	-0.04853539	0.1282259	-0.01901962	-0.01161283	0.04730763	-0.1317491	0.1317491
ABHD14B	-0.01347062	0.06006181	-0.03912446	-0.07384217	0.0104278	-0.05155134	-0.1031239	0.1031239
C14orf28	-0.01228587	-0.07491553	0.1315277	0.01517211	0.02847707	-0.00189778	0.26039	-0.26039
VGLL3	-0.0762723	-0.08388876	0.07258919	0.1125167	-0.02282146	0.03879737	0.288191	-0.288191
SLC15A4	0.03182556	0.03824893	0.1666556	0.06631232	0.04258189	0.1451376	0.1553827	-0.1553827
TVP23C	0.1205297	0.05098712	0.08387613	0.09739355	-0.00362092	0.02549872	0.05384558	-0.05384558
SERPINE1	-0.02198725	-0.00920894	-0.0095832	0.04893236	-0.03333495	0.01313196	0.233055	-0.233055
SLC25A17	-0.04544952	0.02106653	0.09775467	-0.03107803	-0.01569551	0.00973563	-0.1464918	0.1464918
SEC23B	0.02015478	0.1214083	0.02742507	-0.0149667	-0.08262933	0.04356371	-0.2349392	0.2349392
RBX1	-0.05746953	0.03415173	0.06399491	-0.00885845	-0.04146857	0.01854846	-0.0324506	0.0324506
PELI2	0.02864467	0.09683315	0.0737283	0.1539841	0.02910693	0.1218432	-0.07134834	0.07134834
PSMC5	-0.02644467	0.02838937	-0.01536807	-0.01117308	0.03766209	0.03536467	-0.01552768	0.01552768
ZNF215	-0.06326781	0.00848967	0.2068881	0.1365665	0.03142447	0.2181214	-0.0397279	0.0397279
AKAP12	-0.02227732	-0.06119311	0.08200824	0.06682893	0.08119696	-0.05003812	0.3695103	-0.3695103
GPN2	0.00921933	-0.0089805	0.01166236	0.00986244	0.02887778	0.05059685	-0.01327768	0.01327768
RPL13A	-0.04825464	-0.07278473	0.03619171	0.00606544	-0.07196915	0.05436243	0.05737255	-0.05737255
AXIN2	0.06861631	-0.03669114	-0.06319179	-0.1059854	-0.03136748	-0.02554737	-0.09705511	0.09705511
CADPS	0.09493779	-0.03399056	0.03565434	-0.00499804	-0.02627946	0.00292998	-0.05289817	0.05289817
PSD3	-0.01271272	-0.01000462	0.03822882	0.0182639	-0.04575245	-0.05044205	0.1927539	-0.1927539
FBXO4	-0.04793943	0.039438	0.07400009	-0.07500153	-0.025225	-0.06280018	-0.09260951	0.09260951
IST1	0.04705022	0.1018566	0.06839442	0.0506249	0.1049136	0.04565346	-0.1110918	0.1110918
ZNF740	0.01809763	-0.0659392	0.08478022	0.04108942	0.04056279	0.1079924	0.06324499	-0.06324499
CENPU	-0.07085504	0.07639586	-0.02211511	0.02258857	0.023738	0.05397694	-0.2806364	0.2806364
ZCCHC4	0.02424882	0.06357796	0.07860613	-0.00064005	-0.00617133	0.03880312	-0.13938	0.13938
GSN	-0.01288915	-0.1214289	0.0711974	0.00132211	0.025476	0.00311398	0.3672938	-0.3672938
DHX29	-0.00998712	-0.02476107	0.1489372	0.1009773	-0.01486432	0.1456679	-0.07924639	0.07924639
CPXM2	-0.05863405	-0.162887	0.1147916	0.03338907	0.01612267	-0.00863708	0.4317032	-0.4317032
TMX4	0.01597923	-0.1041407	0.0986032	0.01761552	-0.04105673	-0.02910133	0.1961008	-0.1961008
ABCE1	-0.00417128	0.07626815	0.127867	0.1110177	0.06101765	0.1425092	-0.2449311	0.2449311
LENG8	0.07095488	0.1007026	0.05623493	0.0852359	0.03946499	0.09162233	-0.02632279	0.02632279
MARK2	0.00654377	0.05595187	-0.07232569	-0.08198915	0.01760011	0.02414698	-0.2168407	0.2168407
PIANP	-0.02856744	-0.1248953	0.126653	-0.01475466	0.07801615	0.108171	0.3038167	-0.3038167
RBPJ	-0.01865476	0.07864522	0.2178934	0.09850158	-0.00638149	0.09062606	0.09116279	-0.09116279
FCER1A	0.03780403	-0.2423069	0.01402819	-0.01045622	-0.04581946	-0.08249271	0.3376315	-0.3376315
RAB9B	-0.03274649	-0.1645691	0.1067143	0.01154117	0.00801698	-0.03303092	0.3275808	-0.3275808
RRNAD1	0.03289539	0.00747028	-0.06057234	-0.0452464	0.06029996	-0.01190522	-0.1604478	0.1604478
C11orf86	-0.08316776	-0.01284961	-0.00302305	0.08301507	0.0164556	0.0898035	-0.1563273	0.1563273
RPL18A	-0.03397472	0.01172804	-0.03537795	-0.05939198	-0.05120992	0.01373183	-0.00540343	0.00540343
TNFRSF19	0.1192853	-0.05074919	-0.08577827	-0.05463472	-0.04842799	-0.01979335	0.01694886	-0.01694886
GIT2	-0.0192362	-0.04244666	0.1903343	0.06611208	0.04683199	0.0745464	0.2228338	-0.2228338

NLRP3	0.0959516	0.05447882	0.01683893	0.00547562	-0.04365114	-0.04827105	0.2199918	-0.2199918
TRPC4	-0.04105899	-0.1235557	0.07846686	0.03089459	0.05179534	-0.06848536	0.3236894	-0.3236894
AOX1	0.03157833	-0.1591833	0.07462955	0.08413013	-0.03340835	-0.06710496	0.3607919	-0.3607919
DUSP8	0.05601958	0.1466977	0.00240527	-0.07341051	-0.00176515	-0.05947975	-0.06339734	0.06339734
ACPP	0.07465232	-0.03255343	-0.04637491	-0.02387909	-0.04024132	-0.01522704	-0.2119723	0.2119723
VPS29	-0.1231868	0.00812945	0.06428229	-0.02110997	-0.03942144	-0.00845993	-0.09621375	0.09621375
PTPN7	-0.07656884	-0.00704363	0.0852057	0.01681129	-0.00835462	0.09056888	0.0163466	-0.0163466
TBCD	0.05182519	0.07994858	0.00710816	-0.00815363	0.07427363	0.03279876	-0.06053401	0.06053401
APOA2	0.04848678	-0.09269846	-0.05828387	-0.0410404	-0.02109714	-0.06544629	-0.0233673	0.0233673
TTC7B	-0.05404048	-0.1150091	0.06649482	-0.02142166	0.03469377	-0.00830743	0.400023	-0.400023
EPS8L1	0.03177635	0.0648757	-0.0548605	0.00083016	0.01477352	0.0458487	-0.1000755	0.1000755
SMC1B	-0.1430735	-0.02631525	0.04554904	-0.1105585	-0.00843875	-0.02172042	-0.04411641	0.04411641
TLCD3A	0.02896965	0.1822146	-0.03293425	-0.02076264	-0.0091965	-0.03398974	-0.1633893	0.1633893
PLA2R1	0.07737255	0.07906258	0.1015872	0.05356554	0.1962341	0.07837353	0.105336	-0.105336
CDT1	-0.09974935	0.07600752	0.01339381	-0.0853152	0.01521493	0.01535881	-0.2403202	0.2403202
ARID4B	0.08721586	-0.00717146	0.1741884	0.1005947	0.01491787	0.1230721	0.01208897	-0.01208897
TRIM37	0.02956931	0.03174194	0.09755936	0.02318974	0.0684725	0.0536374	-0.1003701	0.1003701
AVPR2	0.02273879	-0.08763692	0.02485383	0.1230267	-0.01514971	0.06705885	0.2231263	-0.2231263
TOR3A	-0.00040472	0.00752303	0.01085628	-0.04230279	-0.00011376	-0.00508751	-0.1036835	0.1036835
CASQ2	-0.09030444	-0.1042334	0.04302604	-0.05337049	-0.04329103	-0.02631793	0.310004	-0.310004
TDP1	-0.00455604	0.09234184	0.04461183	-0.00543974	0.05443921	0.05228935	-0.2601712	0.2601712
B3GALT5	0.0390566	0.07403658	-0.029586	0.00884913	0.05877201	0.02931188	-0.1060137	0.1060137
PTTG1	-0.1107352	0.05248091	-0.06079335	-0.01790089	-0.01731105	0.04349308	-0.1935632	0.1935632
2-Mar	-0.03436807	-0.08683306	0.0782718	-0.06177822	0.01193223	-0.1044684	0.4875317	-0.4875317
KHSRP	-0.02807768	0.06287086	0.05656815	-0.05216328	0.0299731	0.03067098	-0.1072832	0.1072832
MARVELD2	0.04557992	0.03507982	0.01291551	0.04126394	-0.01942827	0.07692458	-0.2919021	0.2919021
YBX2	-0.105063	0.136421	-0.1131141	-0.1929117	-0.02132298	-0.09906205	-0.1787275	0.1787275
VPS37C	0.1030611	0.05366955	-0.1033796	0.00213231	0.0082867	0.01175899	-0.07778612	0.07778612
ESYT2	0.01882361	0.09198822	0.1610043	0.0444492	0.1115221	0.04917316	0.05007394	-0.05007394
ZNF572	0.03532121	0.06439087	0.04442577	0.00679817	0.02536183	0.04627309	-0.08385491	0.08385491
CARNMT1	-0.1120814	0.1273431	0.1115405	0.01161988	-0.04425794	0.07914316	-0.3222455	0.3222455
RANBP2	0.03551066	0.05803957	0.1142582	0.09605614	-0.00158008	0.09199403	-0.1534668	0.1534668
DHRS1	-0.03181456	0.02836769	-0.00368816	-0.01539184	-0.04558987	0.02793186	-0.1764738	0.1764738
CFAP221	0.1041461	-0.06424997	-0.0213946	0.0518845	0.07275151	-0.04276887	0.1369708	-0.1369708
SMARCAL1	0.02026399	0.02552747	0.05419301	0.04844498	0.02603832	0.06573894	-0.02379755	0.02379755
CCDC85C	-0.0139551	-0.02848124	-0.03143234	0.03674494	0.01213641	0.0585414	-0.1284492	0.1284492
IDS	0.04284578	-0.03912197	0.08983601	0.08262695	-0.03202192	0.07295258	0.1683767	-0.1683767
ZNF43	0.03110293	-0.07748908	0.0573864	0.0185716	0.0185136	0.0213846	0.02092244	-0.02092244
BCO1	0.02373577	0.1500953	-0.03064479	-0.08875753	0.02125109	-0.0455947	-0.1611477	0.1611477
ARHGAP11A	-0.03025006	0.0689809	0.09520549	0.04658252	-0.02248338	0.08831345	-0.299113	0.299113
KLK14	-0.04564723	-0.00479472	-0.06630792	0.00403558	-0.01282234	-0.0139459	-0.05293615	0.05293615
LRP2BP	-0.0168539	-0.04257139	-0.03382528	-0.00601504	-0.02079582	-0.04890256	0.1512414	-0.1512414
RALGAPA2	0.1173857	0.03044208	0.05388805	0.01920045	-0.00048038	0.04314699	-0.2006724	0.2006724
DNTP2	-0.00796161	0.0332874	0.1407242	0.1288647	0.01667272	0.1177402	-0.1700344	0.1700344
ABCC2	0.09962391	-0.01340896	0.01342718	0.03292482	0.03902275	0.0580416	-0.1421586	0.1421586
EBF1	-0.07635993	-0.05481083	0.07331636	0.03491782	-0.00052898	0.04708998	0.1620697	-0.1620697
GDPD1	0.03236449	0.03358365	0.05669227	-0.01782445	-0.00722697	0.01103769	-0.1271536	0.1271536
GPC4	0.02007824	0.01224469	0.02720771	-0.06684254	0.02103473	-0.0508435	0.05291504	-0.05291504
PRAG1	0.0372106	0.01216421	-0.01243873	-0.06131445	0.00305721	0.00054324	0.1120002	-0.1120002
OSBPL9	-0.03769342	-0.04774524	0.1268607	0.1712532	0.04063201	0.1236993	0.02211279	-0.02211279
NFE2L2	-0.03203397	-0.04956315	-0.01152024	0.01478901	-0.00177115	0.00052714	-0.08391643	0.08391643
CD79A	-0.06297384	-0.05817536	0.00680011	0.02055351	-0.00504182	0.04178067	0.04076776	-0.04076776
HENMT1	0.05688912	0.01943742	-0.04362795	0.01216726	0.03838938	0.00712428	-0.1944818	0.1944818
CCDC106	0.03794353	-0.05908055	-0.1174526	-0.13241	0.0557591	-0.111412	0.1440575	-0.1440575
CBWD2	-0.01751612	0.1079702	0.04430127	0.03720077	-0.03666238	-0.03237272	-0.2373542	0.2373542
MANEA	0.0024354	-0.00502743	0.139392	0.04916669	-0.01125675	0.07689895	-0.1145174	0.1145174
MAST4	0.08321208	-0.1074955	-0.01396745	0.04769462	0.01191478	0.06762291	0.1342451	-0.1342451
ADAMTSL2	0.08790302	-0.09804059	-0.04976947	0.02247184	-0.0424367	0.02421855	0.1624104	-0.1624104
CLIC3	0.00153434	-0.00805576	-0.1343428	-0.04851033	-0.01829888	-0.01482933	0.01285789	-0.01285789
TOM1L1	0.05423271	0.07087214	-0.00418174	-0.05768199	-0.00127791	-0.01475698	-0.1906241	0.1906241
DCAKD	-0.01481598	0.03318835	0.01558105	-0.1239926	0.1751724	-0.04188022	0.07626213	-0.07626213

SRSF4	-0.00814098	0.08392416	0.09110242	0.00962634	0.02967691	0.03261549	-0.02835799	0.02835799
P3H4	0.03706759	0.02218432	-0.00121629	0.08809826	-0.02367052	0.09705791	-0.02781929	0.02781929
GLDC	0.04793198	0.06053267	-0.08577069	-0.09811052	-0.0290908	-0.1076303	-0.08516647	0.08516647
DAB2	0.03056425	-0.07791396	0.2182801	0.1188301	0.03005841	0.01691133	0.3479448	-0.3479448
HMGNS	0.05202758	0.01573497	-0.00400496	0.07900419	-0.00757407	0.01707451	-0.1007461	0.1007461
TTC19	0.02403447	0.06227486	0.1054994	0.05588305	-0.00296846	0.08368001	-0.1628598	0.1628598
PRRX1	-0.00249191	-0.08086658	0.1959067	0.05242536	0.00668012	0.03228359	0.6287387	-0.6287387
DNAJB14	-0.00324284	0.05155722	0.2093981	0.1011016	0.02321835	0.1237936	-0.03900511	0.03900511
STS	-0.2378959	-0.02579565	0.1321117	-0.0222663	0.01458443	0.1086342	-0.09095012	0.09095012
CYP27B1	-0.01812081	0.06318731	0.1013248	0.05958661	-0.05085526	0.1105868	-0.08099172	0.08099172
ANAPC13	-0.01260178	0.00531027	0.03415855	0.03695609	-0.05191668	-0.02325019	-0.00768002	0.00768002
HACE1	0.00262729	0.06118296	0.1599485	0.05368619	-0.00513442	0.01403263	-0.04958308	0.04958308
CTBP2	-0.02443908	0.07741486	-0.00548849	-0.02164443	-0.00707407	0.03176359	-0.08327143	0.08327143
CALM1	-0.1277861	-0.05628043	0.1025563	-0.00259252	0.02704776	0.00954111	0.09762464	-0.09762464
CD3E	-0.05023686	-0.03321316	0.1424265	-0.0022843	0.00140777	0.06992718	0.1510608	-0.1510608
KIF1BP	-0.116122	0.02924195	0.09799758	-0.00066347	-0.02579654	0.07384435	0.05467501	-0.05467501
CCNO	0.03400339	0.08501959	-0.05408034	-0.01354533	-0.02897409	0.03983887	-0.2210752	0.2210752
GPR160	0.04893205	0.040372	0.07161151	0.03585335	0.00093754	-0.01849446	-0.171306	0.171306
POMP	-0.08037334	0.0660832	0.08874048	0.02874992	0.04490721	0.1422022	-0.179901	0.179901
PDGFB	0.1157154	0.08326515	-0.02131541	-0.06080405	0.00337297	-0.00793757	0.267659	-0.267659
FLOT1	0.04081914	0.02065319	-0.00889183	0.01102722	-0.00594262	0.01124584	0.194989	-0.194989
MMP13	0.06423757	0.119928	-0.06526158	-0.06714001	-0.00280705	-0.0673406	0.04053481	-0.04053481
GGA1	0.0617882	0.09261579	-0.03533451	-0.05075001	0.00559487	0.01263663	-0.1418957	0.1418957
LSM12	-0.0610701	0.02350393	0.04661193	-0.03199982	0.07073043	0.05901391	-0.1215919	0.1215919
TMPRSS13	0.05626897	-0.02367237	-0.09006623	0.00343697	-0.0280914	0.02627544	-0.09249354	0.09249354
AIF1	0.01911959	-0.05631044	0.1799497	0.05971913	-0.01240868	0.00198612	0.2754164	-0.2754164
TAX1BP3	-0.01511095	0.00732628	-0.06306968	0.0030284	-0.1026356	-0.02874647	0.1516682	-0.1516682
CACHD1	0.04310053	-0.1401452	0.03891708	-0.00420619	-0.04281858	0.03012676	-0.04511943	0.04511943
TECR	0.08382768	0.06036921	-0.2148585	-0.1300111	0.08527486	-0.08121128	-0.167479	0.167479
MINK1	0.04329408	0.1517199	-0.02840071	-0.00745631	0.00523764	0.04432075	-0.1541765	0.1541765
ZNF792	0.04555525	0.04389634	0.09651382	0.06611892	0.01214333	0.107858	-0.09976971	0.09976971
MROH6	-0.0535935	0.08062098	-0.03455459	-0.01776009	-0.01952642	0.05014767	-0.08829743	0.08829743
MIS18BP1	0.0107901	0.09812914	0.08928345	0.06877432	0.0161938	0.136705	-0.2177517	0.2177517
PHTF1	0.07848732	-0.01060716	0.05586224	0.03273611	-0.03333346	0.00423362	-0.01737472	0.01737472
BRAF	0.0131435	0.00907559	0.06791853	0.03193171	0.01465942	0.03408396	-0.03904331	0.03904331
NPC2	0.105664	-0.02201452	0.08424278	0.0223359	-0.00012065	-0.0631693	0.1633335	-0.1633335
HGSNAT	0.0709835	-0.1105004	0.0516831	0.08347504	-0.0389148	0.03231458	0.1736895	-0.1736895
GAK	0.0899966	0.1224634	-0.1334074	-0.0331624	-0.05653692	-0.0615104	-0.2295337	0.2295337
TCF19	-0.0326943	0.1239339	-0.04703461	-0.05945009	-0.00189728	-0.00391079	-0.1828827	0.1828827
C1R	0.01602246	-0.1554599	0.1984004	0.0879032	0.0248096	0.00284857	0.6226221	-0.6226221
RPE	0.02332856	0.04747147	0.1342229	0.07312456	0.00686381	0.1175221	-0.2006593	0.2006593
FRK	0.01632659	0.06547233	0.06574837	0.05141966	0.01056309	0.05547766	-0.3408745	0.3408745
APOA1	0.05848805	-0.09825838	-0.04158795	-0.04122641	-0.02184206	-0.05715664	-0.03120085	0.03120085
ADCY7	-0.02408094	0.01517593	0.1444484	0.08228556	0.07604581	0.1345531	0.1293416	-0.1293416
MTERF4	0.02798814	0.03013896	0.05110077	0.09023541	0.07623447	0.08580581	-0.0716862	0.0716862
ZNF497	0.08360343	0.05110356	0.04244663	0.01400783	0.04024739	0.0749819	-0.08896142	0.08896142
LMNTD2	0.00999918	0.09691017	0.00976809	-0.02287429	0.04711983	0.05167012	-0.1426927	0.1426927
ENPP4	0.1138724	0.05799589	0.1279711	0.01457724	-0.02069487	0.02552659	-0.172273	0.172273
SPNS3	0.06923985	0.06773755	0.02470173	-0.127084	-0.01322546	-0.08992568	0.1170673	-0.1170673
PGD	0.1791907	0.02570472	-0.1211478	0.03713029	0.00848328	-0.01586162	-0.2176034	0.2176034
ACAN	0.06835884	0.1502016	-0.02943019	-0.074751	-0.0160284	-0.069146	0.1109689	-0.1109689
LTN1	0.09384462	-0.03633798	4.51E-05	0.0741121	0.08601565	0.08247143	-0.07796138	0.07796138
RPS28	-0.0128043	0.02386968	-0.03577773	-0.08362235	-0.08652034	-0.02679985	0.02403323	-0.02403323
ZNF37A	0.00016663	0.07730472	0.1519836	-0.00422307	-0.04099704	0.07012144	-0.00704763	0.00704763
GPR174	-0.03349926	-0.01332721	0.1461152	0.06792337	0.06284338	0.1064393	0.1223732	-0.1223732
OXER1	0.03667777	0.02310043	-0.00298415	-0.04979563	-0.0048492	-0.032077	-0.1209142	0.1209142
PCSK7	-0.00092438	-0.07481369	0.1274728	0.06288809	-0.02627328	0.03426571	0.1063325	-0.1063325
ZNF221	0.00717338	-0.0097711	0.1010582	0.01017388	0.04273597	0.03373649	0.1223252	-0.1223252
DENND6B	-0.06959109	0.01383175	0.02701026	0.014474	-0.01080415	0.09022254	0.05104642	-0.05104642
KLHL26	-0.05125631	0.06054885	0.05300998	-0.07434074	0.05429583	0.04781887	0.05980521	-0.05980521
GIN1	-0.02778852	-0.01484821	0.1422648	0.09574604	-0.02128679	0.05185963	0.02725613	-0.02725613

VPS4B	-0.08115973	0.1236552	0.130641	0.05779207	-0.04415885	0.00856823	-0.2057549	0.2057549
RAD51	-0.06339918	0.1675419	0.04062577	-0.06316237	-0.00640418	-0.01338693	-0.3060472	0.3060472
NSMAF	-0.01107789	0.03355052	0.1274798	0.04142294	-0.02032345	-0.01066276	-0.09664116	0.09664116
DLK2	0.06392283	0.08395199	-0.09201515	-0.01244215	0.00888664	0.00527413	-0.04227585	0.04227585
GRB7	0.03588051	0.03667484	-0.00445714	-0.03922953	0.1256032	0.04503169	-0.08983274	0.08983274
FHL1	-0.05092034	-0.1533455	0.0847649	0.01395825	-0.02509314	-0.02096299	0.3484011	-0.3484011
PEX14	0.064561	0.08670532	-0.144734	-0.03668047	-0.01789498	-0.04479625	-0.1071618	0.1071618
BOLA2B	-0.02970476	0.05248273	-0.04174684	-0.02123732	-0.01137903	-0.05561303	0.04097164	-0.04097164
AGAP1	0.08904737	-0.0256254	0.00339266	-0.02777558	0.02901617	-0.02765976	0.0319827	-0.0319827
RPH3AL	0.0268893	0.05998556	-0.08491557	0.02468881	-0.04469091	0.03055016	-0.1357937	0.1357937
TMEM59	0.07054592	0.06529125	0.01728898	0.07705343	-0.07095122	-0.01345939	-0.09708006	0.09708006
RAB18	-0.04702308	0.01704063	0.08588506	0.01821784	0.04515049	0.00812369	-0.02237647	0.02237647
MYH9	0.03195445	-0.00039691	0.1297078	0.04646313	0.04428961	0.1102915	0.2029493	-0.2029493
NANOS3	-0.08264278	-0.00317285	-0.05812199	-0.1076725	-0.05675588	-0.06885522	-0.1150825	0.1150825
USP31	0.03156849	0.05962776	0.1134855	-0.00875229	0.00783443	0.05568224	8.87E-05	-8.87E-05
CHRD1	0.00185467	-0.1410873	0.1105239	0.05711768	0.00083679	0.02325995	0.4128705	-0.4128705
PAEP	-0.06699237	-0.02562106	-0.02198578	-0.0142018	-0.01986926	0.00582831	0.1193157	-0.1193157
STPG4	0.1053864	0.06918951	0.0376672	0.0228966	0.0936608	-0.04215875	-0.02435841	0.02435841
ZNF41	0.1085454	0.02332827	0.1349233	0.06913549	0.06052713	0.1501902	-0.08212291	0.08212291
NOMO1	0.07226335	0.01739292	0.05169758	0.1261683	0.1419274	0.04509189	-0.08688802	0.08688802
MAZ	0.03569772	-0.03093742	-0.0560811	-0.04381486	0.01617904	-0.03038807	-0.06076764	0.06076764
TUBD1	0.00358099	0.02578157	-0.01768519	-0.08690737	-0.02638764	-0.05638576	-0.05016571	0.05016571
ENDOG	-0.10691	-0.01486404	-0.00198967	-0.1027559	-0.05253402	0.02004371	-0.1423037	0.1423037
FAT4	0.00541547	-0.1258783	0.1216986	0.07470782	-0.00908913	0.00962722	0.3601973	-0.3601973
WWC1	0.02487471	0.05828719	-0.01938523	0.08471168	0.01577412	0.1205789	-0.1261837	0.1261837
GPM6B	-0.08178409	-0.1154374	0.04201856	0.01294355	0.05598785	-0.08206388	0.3394505	-0.3394505
RSPH1	-0.03842453	0.08005245	-0.03901938	-0.0736588	0.04730594	-0.03468737	-0.2542832	0.2542832
SLC9A8	0.1258341	0.1381866	0.04452693	0.08343488	0.0194212	0.09306415	-0.1874557	0.1874557
SQLE	0.06310462	0.1286935	-0.01125253	-0.0020881	0.00439632	-0.0029229	-0.1390468	0.1390468
MTRNR2L3	-0.09128849	-0.07356323	-0.01005852	-0.02893522	0.1190436	0.05119008	0.00404172	-0.00404172
CHCHD5	0.01964994	0.0519385	-0.08449441	-0.06989297	0.0366495	-0.03302679	-0.05087184	0.05087184
USP3	0.02774038	0.0809644	0.01354111	0.06788625	0.01902345	0.03244459	-0.1874966	0.1874966
THEMIS	-0.01421835	0.01810023	0.2061322	0.0444307	0.03700212	0.09039442	0.1261683	-0.1261683
TFPT	-0.02484923	-0.0070911	-0.1081211	-0.05070648	-0.01700483	-0.09490466	0.08690341	-0.08690341
ZC3H12B	0.07804562	0.02237564	0.06286143	-0.02946017	-0.04164916	-0.02276639	-0.00384702	0.00384702
COMMD1	-0.06426733	-0.02378864	-0.03933987	-0.08829839	-0.01843629	-0.09813679	0.1361321	-0.1361321
TRAF5	0.07985279	0.01019116	0.07089989	-0.03520368	0.02362078	0.00635294	0.06284271	-0.06284271
CST2	-0.07446023	-0.05980016	-0.00772884	-0.05011848	-0.06194939	-0.01799527	0.2455886	-0.2455886
UBLCP1	-0.006494	0.00599255	0.1486668	0.09213648	0.00973774	0.100904	0.1195741	-0.1195741
ATXN7L1	0.0598258	0.01161772	0.1030336	0.04858634	0.03257001	0.01636936	0.04241595	-0.04241595
NDUFAF7	0.00457692	0.09668462	0.06976069	0.05923327	0.06596791	0.03483035	-0.1120805	0.1120805
NXF3	0.08317919	0.1637493	-0.04805077	-0.06341988	0.06413264	-0.01697194	-0.04256144	0.04256144
FNDC4	0.00189723	-0.1099761	-0.08040074	0.02989512	-0.01377048	-0.05850802	0.2200488	-0.2200488
SUCO	0.05112618	0.03142191	0.06395224	0.1092448	-0.01360135	0.1133035	-0.1815607	0.1815607
B4GALT4	0.08227135	0.04639112	-0.0033569	0.05824318	-0.06024506	0.01336697	-0.09838237	0.09838237
CDIP1	-0.1140785	-0.06439945	-0.01788939	0.0209947	-0.03687333	-0.05647279	0.1146916	-0.1146916
IGFLR1	-0.08200369	-0.05636917	0.1469707	0.04051093	0.06456494	0.02194076	0.1453259	-0.1453259
CSNK1D	0.07894362	0.05350705	-0.01047492	0.02066347	0.02831565	0.08426349	-0.03268687	0.03268687
AMH	0.1193772	-0.01869074	0.04053062	0.00956979	0.02633731	0.04434829	-0.1641021	0.1641021
NAIF1	-0.06560178	0.08178249	-0.05872806	-0.01167938	0.02061248	0.04791767	-0.05928661	0.05928661
ACBD4	0.06242168	-0.05688574	0.02142124	0.05665873	0.09123282	0.01683342	0.08945588	-0.08945588
CCNB2	-0.03534368	0.1060655	0.00912852	0.01191534	-0.0132032	0.05490993	-0.3187303	0.3187303
ADAMTS15	-0.02179163	0.03936958	-0.01435224	0.0216384	-0.0081886	-0.02836254	0.127164	-0.127164
ZDHHC4	0.1224847	-0.01730393	0.1043866	0.03401644	0.03396615	0.03360287	-0.01712504	0.01712504
EHHADH	-0.01333785	0.04101985	0.08959652	0.1018808	0.06433014	0.06228489	-0.2647955	0.2647955
USP46	0.07342371	0.02916389	0.01917694	0.0158164	-0.08624642	0.0103181	-0.121823	0.121823
RNF146	0.02588588	-0.02287987	0.1640574	0.1059318	0.0528243	0.07773724	0.1573014	-0.1573014
HHLA2	0.01704272	0.09928681	-0.01718258	0.01014419	0.02922119	0.04540227	-0.149631	0.149631
KLRD1	-0.01984772	0.07691717	0.2225959	0.01517137	-0.00369023	0.05721728	0.1861421	-0.1861421
MRPL18	-0.1643235	0.1226265	-0.03583393	-0.08078586	-0.02957979	-0.09969384	-0.2342651	0.2342651
GPR143	-0.03092938	0.00463043	-0.03052695	-0.07325743	0.0679752	-0.05419163	-0.01182112	0.01182112

KCND2	0.0630511	-0.04331364	0.09082496	0.08540528	0.03409699	-0.01617215	0.492623	-0.492623
KNTC1	-0.00526602	0.04599917	0.08189338	0.00410875	0.03108474	0.1200477	-0.24935	0.24935
PIF1	0.03057562	0.1372349	0.008268	0.09427971	0.00395533	0.05361733	-0.2284782	0.2284782
ECM2	-0.03557816	-0.1802515	0.2302424	0.1091619	0.03633196	0.07057444	0.5619128	-0.5619128
RAB9A	-0.1740479	0.04879268	0.07429667	-0.04185971	0.04219479	0.00079328	0.01418601	-0.01418601
NCAPH	-0.07993119	0.1398942	-0.00244416	0.0024791	-0.02627843	0.04113262	-0.318828	0.318828
PCIF1	0.1093973	0.03691074	0.01543709	-0.0052297	0.00809483	0.03964982	-0.0160683	0.0160683
LMO7	0.05086028	0.1269115	0.06095139	0.03133256	0.01647867	0.1133274	-0.1992476	0.1992476
SHPRH	0.00227643	0.01849939	0.154111	0.04180342	-0.02562574	0.07544816	-0.07452653	0.07452653
MICALL1	0.02128859	-0.131095	-0.01777999	-0.02617701	-0.02661278	0.01461407	0.1596269	-0.1596269
RHOV	0.0124754	0.00298857	-0.08776262	-0.1121613	0.012205	-0.0448519	-0.05720353	0.05720353
WDR78	0.00096252	0.00400917	-0.09298211	-0.00796997	-0.00543498	-0.00724626	0.02730538	-0.02730538
KIF21A	-0.02466314	0.05426691	0.05144915	0.02746473	-0.07496598	0.1344819	-0.2598339	0.2598339
ANO10	0.1007022	-0.02096856	-0.00404012	0.01807052	-0.02443082	-0.01522867	-0.103848	0.103848
RAB22A	-0.05199602	0.04221642	0.1026947	0.06048214	-0.02019653	0.07826443	-0.1010067	0.1010067
EYA3	-0.06338466	0.07240709	0.05458043	0.01238778	0.02151836	0.09376286	-0.1800479	0.1800479
GLB1L	0.09572579	-0.02466368	-0.08653009	0.07749587	0.00441467	0.05121692	0.0619165	-0.0619165
EDC4	0.1254445	0.08184088	0.04656928	0.01133901	0.1070702	0.06200766	-0.124549	0.124549
LPIN3	0.1068021	0.1669833	0.01011806	0.01666421	0.00897522	0.03420229	-0.2573064	0.2573064
C11orf80	0.0435758	0.09394866	-0.00636618	-0.0043881	0.08286581	0.05395576	0.0351767	-0.0351767
TACC2	-0.00071134	0.02995265	0.01963422	-0.03340403	0.06731047	-0.05645698	0.05413375	-0.05413375
GDI2	-0.05986632	0.1127439	0.07263903	-0.01613606	0.01109514	0.05287498	-0.2134156	0.2134156
PDE6G	0.07227281	0.02830498	-0.03010311	-0.05973546	-0.00455691	-0.08979927	0.04400593	-0.04400593
INTS1	0.09312999	0.05609474	0.05967211	0.03825251	0.05479008	0.06661385	-0.1121473	0.1121473
STAU2	0.07288279	0.03874873	0.05166656	0.00867993	-0.06989835	-0.0103164	-0.1502454	0.1502454
PAFAH1B2	-0.06258305	0.02316947	0.1355094	0.04524722	-0.05480252	0.0901191	-0.08413252	0.08413252
RPL36A	-0.0123387	0.00370308	-0.009062	-0.05766288	-0.07803321	-0.00890244	-0.03091466	0.03091466
KRT18	-0.06917163	0.09742541	0.05135033	-0.04538203	-0.01520609	0.07244384	-0.1094172	0.1094172
AGPAT4	0.05377747	-0.05195358	0.06276337	0.08437911	0.04204403	0.06527452	0.3484895	-0.3484895
ZNF570	-0.04990794	-0.08607812	0.1074436	-0.00455298	0.03223938	-0.01674639	0.2129723	-0.2129723
COLGALT1	-0.01387635	0.07336038	0.1568187	0.00847392	0.04841766	0.07754255	0.06277911	-0.06277911
NCKIPSD	-0.04253928	0.07953073	-0.03260019	-0.04576313	-0.00376259	-0.02284264	-0.164729	0.164729
LIPF	-0.01309005	-0.1058496	-0.01920095	-0.04650116	0.02782189	-0.03322484	-0.04641329	0.04641329
NDUFS2	-0.06208386	0.1065087	-0.01632455	-0.01970894	0.00317416	-0.03771229	-0.228068	0.228068
UBQLN4	-0.01910843	0.03820418	-0.04209008	-0.03584435	0.07805047	-0.03008545	-0.1784829	0.1784829
NAA16	0.07591043	0.07031568	0.1309531	0.04102251	0.052802	0.09410501	-0.1201598	0.1201598
SIX2	-0.01011713	-0.1027653	0.05247613	0.00197027	0.04194226	-0.09563307	0.2635133	-0.2635133
HABP4	0.01570742	-0.07047075	0.0684954	-0.1052752	-0.03432473	-0.07882292	0.1959539	-0.1959539
TMEM258	-0.04339419	0.05530627	-0.03372007	-0.0647825	0.01365868	0.04845977	0.06630064	-0.06630064
RBP5	0.07004618	-0.1527017	0.05627974	0.05509938	0.03796802	-0.01078232	0.2386822	-0.2386822
PDE4D	-0.05152562	-0.07662256	0.1720745	0.06883816	0.01069368	0.02560428	0.1852516	-0.1852516
RNF180	-0.05269755	-0.1970359	0.1365763	0.09065305	0.05070752	0.03936312	0.467393	-0.467393
DOK6	0.00138219	-0.1212903	0.1365592	0.00941892	0.00818949	0.02910067	0.4767719	-0.4767719
KBTD2	0.1060834	0.08799344	0.1386138	0.1056179	0.02238065	0.08802014	-0.06355373	0.06355373
KANSL1L	0.09184325	0.00831541	0.1734262	0.1070215	0.04492824	0.1055846	0.1000789	-0.1000789
C4BPA	0.09938712	-0.01746535	0.05932367	0.04133772	-0.02972627	0.00272277	-0.09822937	0.09822937
MFAP3	0.03297741	0.02268414	0.1293453	0.1269018	0.05568533	0.08954752	0.07758906	-0.07758906
PRSS8	0.07701862	0.102005	-0.1111167	0.00837192	0.04012517	-0.03491692	-0.2393081	0.2393081
FBXL2	-0.07725794	-0.04679419	-0.00614026	0.05280342	0.01164304	-0.01275011	0.2782417	-0.2782417
HPS5	-0.02943915	0.05526991	0.1887122	0.02051038	0.03783911	0.07802369	-0.05422781	0.05422781
RNF41	0.00890407	-0.02950356	0.09055776	0.02928191	0.00357102	0.06664984	0.08058005	-0.08058005
PRCP	0.00274673	0.00667262	0.08211878	0.02728575	-0.05308359	-0.06545798	0.2518546	-0.2518546
TMEM82	0.07242835	-0.07024811	-0.1129935	-0.01091107	-0.04610938	-0.06567202	-0.1548308	0.1548308
ATG4A	-0.06086396	0.05073839	0.08898722	0.03299893	-0.02559657	0.07433574	-0.2201743	0.2201743
MEGF8	0.05341384	-0.07881428	0.02227902	0.06173708	0.02286766	0.03752833	0.1727046	-0.1727046
CSRNP1	0.03019819	-0.06272665	0.09232744	0.05126126	0.0286032	0.00113177	0.1706964	-0.1706964
WDR20	0.01713674	0.02497043	0.00783674	0.05022517	-0.0107491	0.09869672	-0.1759007	0.1759007
MUCL3	0.01782074	0.02462295	-0.03033433	0.08089181	-0.05453615	0.07571825	-0.1671328	0.1671328
THAP4	-0.05792793	0.05697527	-0.06978938	-0.06079382	0.07156761	0.02335476	-0.1165379	0.1165379
TNFSF18	-0.02246332	-0.00494166	0.1132669	0.03440656	0.02275946	0.0727472	0.09014438	-0.09014438
CCDC130	0.114459	0.05359745	-0.05621468	-0.02980043	0.1422689	-0.04457671	0.00033131	-0.00033131

IRF2BP2	0.03033196	-0.01011578	0.07877172	-0.01028212	0.03717905	0.05264206	-0.04837311	0.04837311
VSIG1	-0.07625218	-0.08761013	-0.07710307	0.02326209	-0.05233876	-0.03358123	-0.1820452	0.1820452
PCGF6	0.01357243	-0.00500618	0.1470704	0.00440717	-0.01125203	0.03878321	-0.02982992	0.02982992
MRPL27	-0.04905055	0.1075814	-0.0815897	-0.00762654	0.0053688	0.00572883	-0.1284879	0.1284879
CDYL2	0.00106932	0.06513891	0.09189598	0.02445657	0.07066942	0.08869577	0.05122351	-0.05122351
PDE9A	-0.04185644	-0.05506931	0.04972916	0.00490094	0.06941459	-0.00270844	0.2481538	-0.2481538
DUS3L	0.00986847	0.07314943	0.04166111	0.00753644	0.01711145	0.07380741	-0.1163586	0.1163586
CEP350	0.01401828	0.03902331	0.1257353	0.07057392	0.00054597	0.1181387	-0.1373223	0.1373223
CRYBG3	-0.0453789	-0.05874112	0.1544975	0.08686524	-0.00551346	0.0863419	0.12667	-0.12667
EMC10	-0.02386078	-0.00721531	-0.1277242	-0.03970665	0.00747503	-0.05585277	0.1092905	-0.1092905
NBN	-0.04191191	0.1131668	0.1514603	0.03057814	-0.0074651	0.05039765	-0.1786269	0.1786269
RAB27B	-0.05608419	0.07283703	0.01311716	0.0656952	-0.01878803	4.10E-05	-0.2533223	0.2533223
TBC1D10C	-0.07014542	-0.04692775	0.08920751	0.03289246	0.00930487	0.07021771	0.1277016	-0.1277016
SDR16C5	-0.03342868	0.04213662	-0.06722611	-0.00392077	-0.03559744	0.00743495	-0.1145797	0.1145797
DTD2	-0.09026307	0.00076028	0.1653238	-0.0044777	-0.05193495	0.09815344	-0.1521847	0.1521847
ZFP37	-0.01724322	-0.01977181	0.1165038	0.06328274	-0.00445865	0.06775469	0.1067108	-0.1067108
CNOT2	-0.00988432	0.02438181	0.0924306	0.06235687	0.02390444	0.1369337	-0.08118406	0.08118406
MAPK11	-0.03523473	0.02162996	0.03838534	-0.01527355	0.0395808	0.05037439	0.3062352	-0.3062352
KIF19	-0.03282107	0.02636381	-0.05795327	0.02592928	-0.00796889	-0.01714601	0.02240219	-0.02240219
SRL	-0.06346524	-0.06188794	0.07279528	0.02923127	-0.0341276	0.00910722	0.1391044	-0.1391044
TWSG1	-0.03891776	-0.120173	0.2319943	0.09728784	-0.00357611	0.02824816	0.338681	-0.338681
JOSD2	-0.060067	-0.04143344	-0.1295519	-0.08633135	-0.03395602	-0.08115779	0.1924549	-0.1924549
LMBR1	0.1214876	0.01759816	0.1121014	-0.02038057	0.03241921	0.04789621	-0.1728817	0.1728817
RFXAP	0.03594284	-0.00204444	0.06257056	-0.00717701	0.03186824	0.05169544	-0.08888763	0.08888763
SPOCK2	-0.02390172	-0.0320512	0.04087558	0.09039179	0.00259343	0.1590612	0.02417495	-0.02417495
SETX	0.02571435	0.04209109	0.1385799	0.07858416	0.01005173	0.1276686	-0.03244983	0.03244983
CFAP69	-0.00324766	0.06712945	0.06858259	0.01508768	-0.04436647	0.01212073	0.1256951	-0.1256951
FCAR	0.06088373	0.06187375	-0.02314943	-0.05164372	-0.04417436	-0.08212204	0.08867796	-0.08867796
PTDSS2	0.01061403	-0.00940046	0.05255469	-0.02747831	-0.03200412	0.05807088	0.028403	-0.028403
AMER1	0.03366541	-0.02587473	0.1041862	-0.092069	-0.03847127	0.02259845	-0.05094071	0.05094071
HSPA4	-0.03306998	0.00454382	0.09359874	0.08725046	-0.00879003	0.1486001	-0.1542373	0.1542373
TCIRG1	0.00158332	0.2331801	-0.00855252	-0.04671015	-0.00815568	0.02510702	-0.05451112	0.05451112
PTK6	0.03099844	0.0649973	-0.01031827	0.02532305	-0.0056249	0.02946075	-0.1637337	0.1637337
MED11	-0.03653334	0.1099298	0.00834564	-0.04909995	-0.1097727	0.01265971	0.02005602	-0.02005602
TIMELESS	0.00761002	0.06067103	-0.01155791	-0.02306567	0.00327518	0.05619513	-0.2245693	0.2245693
NLK	0.08697157	0.02311099	0.0349174	0.03001175	0.02975439	0.0704455	-0.1400411	0.1400411
TRIB1	0.0144891	0.08403818	-0.0392846	-0.01411556	0.04105279	0.07055783	-0.1176445	0.1176445
FOXO4	-0.03325622	-0.01532467	0.06086724	-0.07992768	0.00109225	-0.02116902	0.05120321	-0.05120321
MAN2C1	0.1417929	0.04766681	0.04187024	0.05640538	0.04629792	0.08245427	0.02366951	-0.02366951
SLC25A29	0.1039366	0.05884343	-0.02898053	0.03816957	0.03640707	0.08054054	-0.0606369	0.0606369
LEPR	-0.0597499	-0.2156388	0.1650345	0.06185025	0.03890171	0.02251632	0.3597974	-0.3597974
MAP1LC3B2	-0.1211932	0.05195167	0.09589395	0.06226444	0.1118159	0.06096874	-0.01768983	0.01768983
CPQ	0.03260408	-0.1066514	0.05300376	0.0286848	0.02746064	-0.0837402	0.3176235	-0.3176235
ZC4H2	0.06070527	-0.01044921	-0.0055067	0.02154341	0.00535362	-0.06138484	0.00409415	-0.00409415
PURA	0.00708278	-0.1816147	0.1454672	0.09940696	-0.01125818	0.08510918	0.2799492	-0.2799492
LRRC69	0.06660228	-0.01034006	0.0012745	0.03240815	0.0161687	-0.0004402	-0.09656694	0.09656694
GFER	-0.00580688	0.04656923	0.01865546	-0.04309589	0.00428468	0.00186994	-0.0278617	0.0278617
YIPF6	0.1058045	0.0394992	0.08870552	0.03015877	-0.02488124	0.05601966	-0.08947983	0.08947983
SPRTN	0.02373773	0.03459406	0.1199348	0.02976886	0.04886663	0.06087789	-0.1280631	0.1280631
SH2D1A	-0.06353544	-0.03484662	0.2055177	0.08601266	0.00243174	0.07685781	0.1330774	-0.1330774
DLL1	0.1172235	0.02357876	-0.02485982	0.03341439	0.01716869	-0.05206833	0.1226334	-0.1226334
THBS1	0.04101785	-0.04339179	0.1581827	0.05371767	0.03806384	0.0072191	0.430849	-0.430849
GPIHBP1	-0.06116701	-0.09882881	0.04980046	0.04705018	0.03020837	0.02129058	0.3191906	-0.3191906
NIT1	0.0057287	0.01831391	-0.1104579	-0.0297369	0.03486096	-0.05460166	-0.06588205	0.06588205
ATP6V1H	-0.03933063	0.03133857	0.06540083	-0.02351493	-0.06644259	-0.02335136	-0.07259798	0.07259798
LRRC10B	0.0047602	-0.1174806	-0.02959312	-0.00687844	-0.01308578	0.01514853	0.2342107	-0.2342107
AGMAT	0.00920303	-0.0697971	0.05329552	0.05028663	0.01670606	0.04382363	-0.2095305	0.2095305
C9orf64	-0.1058916	-0.01839365	0.08939371	-0.08662537	0.02349697	-0.00859343	-0.1540976	0.1540976
SERPINF2	0.09518067	-0.09368568	-0.08163586	0.03431493	-0.02694554	-0.00308458	0.08887554	-0.08887554
STK17A	-0.05718817	-0.07018044	0.1265029	0.07106514	0.02653429	0.08141056	0.1247152	-0.1247152
UTRN	0.00966845	-0.1065427	0.1187996	0.04382865	0.08506118	0.0313162	0.2267457	-0.2267457

TLR5	0.1289285	-0.06969137	0.03628898	0.00630641	0.2021887	-0.0338256	0.1628411	-0.1628411
CEP126	0.01310717	-0.07424209	0.06360118	0.06666862	0.04964152	0.05977512	0.193285	-0.193285
PLEKHG4	0.06957008	0.1955244	0.04450729	-0.01114492	0.06265775	0.01359169	-0.158627	0.158627
NIPAL2	0.08846294	0.01868635	-0.03203726	0.02426054	-0.04787787	0.03825368	-0.1925193	0.1925193
GPSM3	-0.0093026	-0.05816352	0.03449221	0.0216615	-0.00838052	-0.00500428	0.2341099	-0.2341099
EIF3M	-0.03591623	0.08910263	0.04650937	-0.01794557	-0.02343771	0.0295899	-0.1155242	0.1155242
KIF23	0.01559375	0.08611755	0.00626296	0.03449395	-0.05409739	0.09525651	-0.2587075	0.2587075
TUBGCP4	-0.00857417	0.00069458	0.0818527	0.01502136	0.04138114	0.0802248	-0.1575106	0.1575106
CAMTA2	0.04113789	0.0357072	0.02937006	0.04193151	-0.02252066	0.03580049	0.07553232	-0.07553232
SUGCT	-0.01693224	-0.04322975	0.0821519	-0.02175024	-0.02408125	-0.0245236	0.4704995	-0.4704995
TMUB2	0.03138444	0.0795656	-0.01800998	-0.01220997	0.1033355	0.01159901	-0.03395911	0.03395911
WDR47	-0.0509144	-0.02055045	0.08030855	0.00239579	0.00721359	0.01338301	0.1481047	-0.1481047
SAMD5	-0.08809377	0.1004316	0.09589446	0.04654106	0.07845535	0.09011662	-0.2006035	0.2006035
NMRAL1	-0.02722498	0.0251353	-0.04991951	-0.07428238	0.00786099	-0.05735134	-0.02961183	0.02961183
GMPS	-0.05400295	0.01840757	0.1408513	0.04802456	-0.02644357	0.1073823	-0.1457672	0.1457672
ZNF430	0.06419557	0.00172182	0.1379296	0.04714075	0.00848061	0.08658163	-0.06276063	0.06276063
WDR31	0.02353673	0.01950521	-0.00379911	-0.09313686	0.05546101	0.00250199	-0.05305766	0.05305766
YTHDC2	-0.00987637	0.1550087	0.08965619	0.06646739	0.0259205	0.06648081	-0.1466101	0.1466101
HABP2	0.0876019	-0.00209349	0.01797198	0.03762017	0.07822782	0.02206569	-0.08409265	0.08409265
NT5M	-0.1093372	0.01227094	-0.02165655	-0.1093511	0.03022144	-0.09803677	-0.00029421	0.00029421
POLD3	0.02053189	0.03359168	-0.04366164	-0.02296272	-0.04663639	-0.01553858	-0.2061668	0.2061668
RFXANK	-0.03938502	0.0720027	-0.0247222	-0.1325449	-0.01350806	-0.05203602	-0.07077167	0.07077167
PLA2G2A	0.04368875	0.01240698	0.05753643	-0.00267146	0.01558649	0.06614904	-0.08463858	0.08463858
MAK	0.05471005	-0.0242337	0.02492056	-0.01898553	-0.01409907	-2.30E-05	0.03059458	-0.03059458
RNF128	0.06244089	0.07355262	-0.06484108	-0.02461244	-0.02170198	-0.02914189	-0.2961541	0.2961541
ZNF101	0.02736084	-0.04886364	0.09112726	-0.02130697	0.05516189	0.0244894	0.03427921	-0.03427921
HOXA10	-0.07900289	0.05741848	0.02793225	-0.00465843	-0.03135053	-0.02338723	-0.199218	0.199218
ICMT	0.0040303	-0.00739597	0.07604285	0.05092581	0.07605998	0.09809147	-0.02812901	0.02812901
FMNL1	-0.03522625	-0.00329399	0.1281518	0.06148336	0.0335862	0.1121642	0.2387705	-0.2387705
TERT	-0.03360966	0.1030744	-0.04935491	0.02516957	0.135878	0.00432512	-0.1131563	0.1131563
UTP20	0.03168865	-0.05514685	0.1339411	0.08755223	0.04745551	0.1626029	-0.0984921	0.0984921
ECI2	-0.00880371	-0.04045699	0.04129854	0.04675939	-0.03874081	-0.1133532	-0.05118038	0.05118038
KCNMA1	-0.03748093	-0.1508789	0.1083197	0.04546929	0.01305328	-0.03988563	0.3726058	-0.3726058
ARHGAP9	-0.03870521	-0.04734575	0.1374188	0.0554517	0.02155045	0.05826893	0.197181	-0.197181
RPS7	-0.0405151	-0.00755635	0.07756452	0.03599052	-0.02446788	0.08702409	-0.1289329	0.1289329
TRAPPC2	-0.27852	0.03472378	0.1807585	0.00167958	-0.04464588	0.07641559	-0.02781445	0.02781445
PLBD1	-0.04953557	0.1074942	0.1078672	0.03084202	-0.0758482	-0.03147879	-0.1610977	0.1610977
DENND1C	-0.07646819	0.02308519	0.1017559	0.01861777	-0.00615759	0.08970793	-0.04785928	0.04785928
OAS1	-0.07259525	0.07171459	0.08239679	-0.1106449	-0.03382849	0.02437921	-0.00118816	0.00118816
PLEKHS1	0.07351824	0.1710552	0.09274026	0.00820403	0.06223771	0.05528099	-0.1614879	0.1614879
C6orf58	0.01883658	-0.02261368	-0.02198462	-0.00135694	-0.01536473	0.03902537	-0.04986179	0.04986179
UGDH	-0.05137345	0.01875627	0.04380392	0.0316852	-0.1089804	0.07572895	-0.1631197	0.1631197
XRRA1	-0.04462357	0.03215237	0.09009051	-0.0082212	-0.02550393	0.08389646	-0.02937017	0.02937017
TRIM47	-0.04665652	0.00559653	-0.1128577	-0.09550536	0.045282	-0.04370391	0.1827629	-0.1827629
KRI1	-0.04865206	0.01095972	0.08113126	-0.00332979	0.01162008	0.06589104	-0.1157443	0.1157443
FIBP	0.00605796	0.02427865	-0.06829478	-0.05623975	0.01016671	-0.01160476	0.04770157	-0.04770157
NDUFS5	-0.07754119	0.00235779	0.02063742	-0.00065396	-0.07827151	0.03468406	-0.01727815	0.01727815
EFCAB7	0.03095853	0.05188247	0.09592359	0.04486151	-0.00304967	0.04087854	-0.01694297	0.01694297
IWS1	-0.01804901	0.1501505	0.0894263	0.05725216	0.07849882	0.07802624	-0.1993051	0.1993051
CBLN3	0.02996076	-0.06728589	0.05284285	0.04884565	0.06203303	0.04528854	0.2763783	-0.2763783
CLK2	0.01140257	0.04719522	-0.0294436	0.01506119	0.08856806	0.04588237	-0.1261158	0.1261158
CHTOP	-0.02024716	0.09577436	-0.01052923	0.02184616	-0.00597971	0.03529612	-0.1559926	0.1559926
STT3B	0.01356422	0.0626671	0.0671707	0.01435802	-0.03312445	0.0433465	-0.2007321	0.2007321
ZNF717	0.02492761	-0.04024469	0.0219342	-0.01608482	0.08657688	0.03014402	0.03809472	-0.03809472
RSU1	-0.04361142	-0.04049682	0.1738448	-0.01665399	-0.0117562	-0.02165515	0.2909736	-0.2909736
SRSF5	0.02753166	0.02898559	0.05633509	0.1008701	-0.01992292	0.0754449	-0.00041632	0.00041632
MCPH1	-0.09477984	0.04823152	0.0209744	0.04627105	-0.07741011	0.0015104	-0.03277783	0.03277783
FBN2	0.01486744	0.04735924	0.03441073	0.0243593	0.06045492	0.01133349	-0.00500775	0.00500775
AFMID	0.1089572	0.03783637	-0.1403463	-0.09766478	-0.00906515	-0.09246161	-0.1376282	0.1376282
SLC22A3	-0.00853336	-0.07934107	0.05825021	0.07648259	0.05984272	0.06973498	0.00899736	-0.00899736
NUTF2	-0.09420724	0.1181956	0.03141746	-0.09236663	0.08629903	-0.00812009	-0.00679632	0.00679632

EPHB4	0.1290223	0.05761515	0.00226255	-0.01939267	0.09903174	0.00049995	-0.0445251	0.0445251
RPS4Y1	0.5333802	-0.1200055	0.025071	0.1087948	-0.01111596	0.03291138	0.06006603	-0.06006603
ANAPC2	0.00735766	0.05703599	-0.03058117	-0.01422559	-0.03021756	0.0486892	-0.1117914	0.1117914
KCP	0.02241256	-0.02222745	-0.03473282	0.07100661	-0.01870447	0.06133386	0.00028508	-0.00028508
C7	-0.0684697	-0.1891973	0.1010401	0.05366359	0.05037837	-0.03127779	0.3707622	-0.3707622
TET1	0.04487254	-0.07265325	0.02146831	0.03684763	-0.01215168	-0.00074462	0.1773368	-0.1773368
ALG10B	0.03929423	0.03422344	0.06991335	0.06429359	-0.04238238	0.06070133	-0.09196035	0.09196035
PRKCI	-0.03088582	-0.00717518	0.1426667	0.08641265	0.00135292	0.1114072	-0.1463712	0.1463712
CNNM4	-0.09118305	0.1348554	0.06830985	-0.02443433	0.0771135	0.04295399	-0.2472892	0.2472892
CAMTA1	-0.03982816	-0.01295469	-0.04559257	-0.06164072	0.00868686	-0.03843234	0.09207573	-0.09207573
EBF2	0.02227245	-0.1105004	0.1210835	0.09482584	0.03595533	0.05721219	0.3364673	-0.3364673
INTS5	-0.01176323	0.01560503	-0.05261593	-0.04633823	0.09513247	0.03417417	-0.04492975	0.04492975
PRDM1	0.00451789	0.05060249	0.08876886	0.00968992	-0.00865246	0.06445726	0.06630421	-0.06630421
CLTRN	0.02361119	0.03998069	0.02826669	-0.05404037	0.00793993	0.01279937	0.00839659	-0.00839659
YKT6	0.02608071	0.04884558	0.01638412	-0.00824915	-0.00101111	0.01875451	-0.07732489	0.07732489
NFYC	-0.03609046	0.0024937	-0.00025643	0.01452258	-0.02295234	0.04160774	-0.01398314	0.01398314
NOC3L	-0.03842572	0.01165466	0.1302522	0.02403902	0.00535234	0.07191686	-0.142855	0.142855
IL10RB	0.1288775	0.06007131	0.03406075	-0.02912822	0.00934498	-0.04655112	-0.1013122	0.1013122
ERFE	0.1024013	0.0436543	-0.03899252	-0.0100272	-0.02124974	-0.02571552	0.05029313	-0.05029313
FTSJ1	0.00957	0.04199842	0.00053278	-0.04326363	0.05424038	0.0957589	-0.01566584	0.01566584
PAK1	0.00447142	0.07852436	0.03903365	0.02034087	-0.02371625	0.03638578	-0.1697156	0.1697156
TMEM233	0.04912415	-0.00646421	0.1509691	0.04027249	0.07885306	0.01230828	0.3144813	-0.3144813
HOXD1	-0.0405577	-0.04897099	-0.05457385	0.08399732	-0.03243293	0.0031449	0.06712239	-0.06712239
TMEM229A	0.04961549	0.1116593	-0.1019928	-0.036831	-0.02280631	-0.06770995	-0.07273874	0.07273874
ZNF189	0.06698391	0.1120991	0.1171607	-0.04561886	-0.00673022	0.03316949	-0.2425231	0.2425231
WRN	-0.00014189	0.109053	0.0380377	-0.01705975	0.02673548	-0.03204184	-0.1352812	0.1352812
ZMAT3	0.03453595	-0.02493258	0.1867259	0.09943749	0.0668339	0.08524521	0.1925967	-0.1925967
LHFPL2	0.03135043	-0.02464016	0.2111894	0.1156314	0.02156763	0.04907666	0.3074227	-0.3074227
PODXL2	-0.1515667	0.09464946	-0.00640529	-0.0089325	-0.03453946	-0.00302589	-0.1660464	0.1660464
RASGRP3	0.08146561	0.06305797	0.1809099	0.1009006	0.07014176	0.1019209	0.173984	-0.173984
FFAR4	-0.01326753	-0.020105	0.112361	0.0155154	-0.03247842	0.08211411	0.03204957	-0.03204957
PRPF3	0.00604412	0.1097741	0.00186401	0.00772705	0.07265184	-0.00556512	-0.1161348	0.1161348
ANKRD12	0.00643241	0.01484187	0.1993623	0.09053308	-0.03688618	0.05765874	0.07775219	-0.07775219
TIMP3	-0.04390497	-0.1155678	0.1148296	0.00659147	-0.02373408	0.01355423	0.4913151	-0.4913151
DLD	-0.05453821	0.06284241	0.05989673	0.02844875	0.04114165	-0.0095033	-0.2641958	0.2641958
NBPF19	0.09616853	-0.00763605	0.05250561	0.1088801	0.1227749	0.01577303	0.1186102	-0.1186102
SSBP2	-0.04942299	-0.1757019	0.09847893	0.05053144	0.02783082	-0.02162892	0.4261957	-0.4261957
DPEP2	0.03057744	-0.1348248	0.1388784	0.04890071	0.06626077	0.00884117	0.3178597	-0.3178597
DBNL	0.1100768	-0.02290458	-0.00632273	0.05206208	-0.00253047	0.03611742	-0.01991861	0.01991861
ZXDC	0.03447332	-0.00247132	0.04638814	0.060153	-0.02624233	0.09456756	-0.085115	0.085115
PPP1R9B	0.03025058	0.03175416	0.06599793	0.00742283	0.04577084	0.121721	0.1749688	-0.1749688
CCNE2	0.02196702	0.06124752	-0.0079167	-0.01178082	-0.0235182	0.00641452	-0.237534	0.237534
LDB3	-0.07574162	-0.139248	0.05841769	-0.00726541	-0.03069733	-0.02689663	0.2750351	-0.2750351
SDC4	0.1098511	0.01420142	0.00190034	0.0801591	0.00906215	-0.00119133	-0.01059016	0.01059016
NAGLU	0.117347	0.01000183	-0.02591782	-0.01342282	0.08411271	-0.02971537	-0.02701773	0.02701773
KITLG	0.03218069	-0.1773713	0.1051014	0.09892578	0.03823587	0.0938385	0.00137171	-0.00137171
PSMB1	-0.06721677	0.1944563	0.0660097	0.00954114	0.01300747	0.01172518	-0.2255931	0.2255931
MYOM3	0.02036869	0.00776347	0.04095194	0.00719388	0.01547839	0.1245861	-0.02720385	0.02720385
AMPH	0.0286313	-0.1511812	0.1418088	0.07143666	0.04161063	-0.06000465	0.4004974	-0.4004974
WAC	0.02654165	0.05042347	0.1306279	0.03806737	0.05322635	0.09433525	-0.06497645	0.06497645
APH1A	0.05586707	0.00102866	-0.07755986	-0.05152912	0.05713521	-0.08402287	-0.0701948	0.0701948
IGSF6	0.03168049	-0.02311488	0.1857686	0.05482944	-0.00894956	0.07501563	0.1037689	-0.1037689
ATP6V1E1	-0.01698796	-0.02113894	0.02558303	-0.0440556	0.00832966	-0.0674492	0.1606031	-0.1606031
SMS	-0.00405639	0.0566582	0.04071532	-0.02295589	0.005936	0.00519983	-0.1408056	0.1408056
ITGB4	0.01104093	0.08299903	-0.00934382	-0.05114286	0.04759718	0.00331378	-0.1248256	0.1248256
TOX3	0.1520801	0.1204943	0.04218893	0.00401356	0.07501593	0.02797171	-0.2650497	0.2650497
METTL3	-0.0135287	0.07638959	0.05831885	0.01992977	-0.02044612	0.1229163	-0.1607167	0.1607167
SERAC1	0.02096813	0.1118584	0.09818049	-0.03301664	-0.01994921	-0.03588235	-0.2533909	0.2533909
ZNF496	0.06055909	-0.04010453	0.0702638	0.04722965	0.0533191	0.05207193	0.1431862	-0.1431862
UBE2J2	-0.01160662	-0.04900954	-0.08934614	-0.03492591	0.02663302	-0.00686459	-0.08602602	0.08602602
SLIRP	-0.1223547	0.01578998	-0.05350613	-0.02623427	0.01085571	0.01962862	-0.1279623	0.1279623

ETAA1	0.04725032	0.1040828	0.1326897	0.04603933	0.01407855	0.05516597	-0.02862874	0.02862874
NR4A3	0.01162258	0.02298816	0.0458315	0.01916784	-0.00135689	-0.07800186	0.2349717	-0.2349717
ITGB2	-0.03422122	0.00839156	0.1701316	0.05820093	0.02279982	0.04662141	0.1584381	-0.1584381
IPPK	-0.06120443	0.04741719	-0.01618732	-0.01731469	-0.0017584	0.02714474	-0.1494441	0.1494441
AC011479.1	0.01359942	0.08737165	-0.0442901	-0.01239935	0.01721263	-0.02647801	-0.04363357	0.04363357
SNAP29	0.01312539	-0.07396178	0.03243693	-0.02543487	0.03534583	0.03853757	0.03629977	-0.03629977
LAMA2	0.0684274	-0.1048359	0.1718499	0.1012253	0.01361686	0.01716546	0.4696818	-0.4696818
CDH16	0.0117843	-0.02893478	0.07483711	-0.00755822	-0.03987079	-0.03659799	-0.07597172	0.07597172
SCARB1	-0.03872943	0.0039251	0.00864428	-0.02034022	0.0016826	0.04574471	-0.1376271	0.1376271
THOP1	-0.0803724	0.07417087	0.01141502	-0.08093643	-0.02471872	0.04552771	-0.1827676	0.1827676
SS18L1	-0.00862713	0.0857554	0.04700843	0.04726526	-0.01652973	0.0498429	-0.1354215	0.1354215
SNAI3	-0.08480106	-0.05404803	0.04242859	-0.0429818	0.01591215	0.04434024	0.09833377	-0.09833377
ZGPAT	0.04600575	0.08451167	0.04184681	0.01637577	-0.00016716	0.06958553	0.03974537	-0.03974537
UBE2G1	-0.07982413	0.05152549	0.1200874	0.00246538	-0.04747168	0.05314811	-0.00965557	0.00965557
CRTAM	0.0042721	-0.00514892	0.198858	0.00233963	0.00019077	0.07685972	0.1321288	-0.1321288
ERH	-0.1564018	0.0362069	0.06036065	-0.04119944	0.01500873	0.08099974	-0.09074279	0.09074279
TNC	0.01059756	-0.111256	0.07983303	0.01884853	0.04321862	-0.05392114	0.3702965	-0.3702965
RAD51D	0.02723042	0.04551432	0.1414331	0.01502208	0.07461998	0.1022205	-0.01845641	0.01845641
GPR3	-0.00373865	0.00446912	0.05562617	0.03714767	0.1148459	0.06195666	-0.08787757	0.08787757
CRKL	0.02479683	-0.02194433	0.09351684	-0.00809644	0.02480306	0.0608877	-0.03567945	0.03567945
NATD1	-0.04718405	-0.09114653	0.08819076	0.02910776	-0.01323632	0.0362475	0.3465517	-0.3465517
NUSAP1	-0.05337512	0.1065298	-0.0080111	-0.01912134	-0.05007455	0.01460127	-0.2520394	0.2520394
PPAN	-0.05161822	0.08413027	0.09531002	-0.04583455	0.00348938	0.05667465	-0.1635079	0.1635079
ARID3A	0.00725957	0.01086907	0.04442476	0.0339561	-0.0476461	0.0551133	-0.03231244	0.03231244
IQCC	0.07688586	0.07581666	-0.0981871	-0.06091844	0.05185117	-0.04442298	-0.1165598	0.1165598
PTGFR	0.05863933	-0.1377964	0.1232005	0.1178129	-0.0216542	-0.03211998	0.4480969	-0.4480969
CASP5	-0.01574567	0.1617492	0.0627366	-0.0412058	0.01059933	0.0237871	-0.2086077	0.2086077
C2orf49	-0.00782004	0.07535637	0.09648725	-0.00818759	0.01295319	-0.01361946	-0.06690676	0.06690676
PEX7	-0.0503786	0.2164066	-0.03220448	-0.04769161	-0.03281779	-0.02894541	-0.366318	0.366318
TMEM266	0.1043092	-0.05530159	-0.01921877	0.078174	0.02847849	0.00804409	0.01523538	-0.01523538
MLST8	-0.03094554	-0.01961223	-0.08337299	-0.05555103	-0.02894321	-0.07351093	-0.00629108	0.00629108
PLA2G12A	0.03609225	-0.02108071	0.03066967	0.02496608	-0.0306272	0.01340776	-0.1139126	0.1139126
MAPK14	-0.01179242	0.06339191	0.0862593	0.05553752	0.03551269	0.00977832	-0.02896219	0.02896219
KCNK17	0.01079914	-0.01949606	-0.00550568	-0.0209242	-0.04002715	-0.02654987	-0.00195257	0.00195257
UBXN11	0.07809918	0.06826574	0.00596057	-0.0332919	-0.00481368	0.04749554	-0.0697055	0.0697055
RNF20	0.04530164	0.04348762	0.1273802	-0.02348567	0.02560004	0.04366931	-0.05737224	0.05737224
RREB1	0.03025105	0.06937527	0.08759626	0.02282569	0.01793984	0.09900483	-0.1791674	0.1791674
MYOT	-0.00573392	-0.1992817	0.1251299	0.01203668	0.09685519	-0.1065872	0.306341	-0.306341
CRYBB3	0.07523159	0.1155388	0.00729792	-0.00187976	-0.04267823	0.0193985	-0.1159148	0.1159148
THY1	0.06619617	-0.07242444	0.1175623	0.02019453	0.0058758	-0.05625889	0.595511	-0.595511
TMED9	0.08714292	0.01157484	-0.02907986	-0.00276208	0.02722927	0.01623657	0.03079843	-0.03079843
ARL6IP4	-0.0460082	-0.03700545	-0.00900177	0.00166238	-0.05188881	0.01378618	0.04002323	-0.04002323
POLR3G	-0.07453176	0.08923473	0.1127925	-0.01285342	-0.02125919	0.0363437	-0.1237735	0.1237735
GPRASP1	-0.04564537	-0.1762858	0.1433601	0.07553028	0.08661309	0.00868886	0.4096673	-0.4096673
ADCY3	-0.01906238	0.02404308	0.1223701	0.04402619	0.05167511	0.1006921	-0.00530383	0.00530383
NT5DC2	-0.05194775	0.05275215	-0.02373478	-0.01130984	-0.02454049	-0.0110345	-0.03274543	0.03274543
BAZ1B	-0.05592327	0.08051929	0.133824	0.00263022	0.04419393	0.07867427	-0.0150318	0.0150318
C9orf85	-0.06346864	0.07085117	0.00798642	0.07801985	-0.04011408	0.02927225	-0.09877429	0.09877429
CDKL2	-0.04579566	-0.09032262	0.05681644	-0.04053947	-0.00556112	-0.03104672	0.2113978	-0.2113978
RAVER2	0.03844874	0.1277319	0.02887112	-0.02101085	0.00760841	-0.0244429	-0.302769	0.302769
PRPSAP1	-0.00880888	0.1017636	-0.04261201	-0.06363666	-0.00511389	-0.0538325	-0.1795475	0.1795475
FAM13C	-0.01857325	-0.1453233	0.1058936	0.03155642	0.04898286	-0.01966853	0.4279974	-0.4279974
CYP1B1	-0.00453824	-0.2120714	0.1649073	0.080883	0.05883575	-0.00380995	0.5449946	-0.5449946
NAB1	-0.08742507	0.06510732	0.09134066	0.00183857	0.01689935	0.00187287	-0.07145693	0.07145693
ZMYND11	0.01425068	-0.01991026	0.1575389	0.05919292	0.01023908	0.03059733	0.03169174	-0.03169174
GOLGA7B	0.03669714	0.02922829	-0.06451007	-0.1706482	0.04794077	-0.04968868	0.0817876	-0.0817876
COX6A1	-0.09608935	0.05267304	-0.06078644	-0.07680539	-0.08457761	-0.01651784	-0.1404077	0.1404077
CDK2AP2	-0.1775442	0.1136479	-0.03601236	-0.06360133	-0.05767051	-0.02823857	-0.0339866	0.0339866
GBF1	0.02592829	0.0224078	0.05844836	0.1042416	0.02439799	0.1341722	-0.00696263	0.00696263
CEP85L	-0.06596304	-0.1312557	0.1621039	0.1335915	0.02032921	0.09487022	0.1989329	-0.1989329
RAB15	0.05221053	0.192157	-0.0866761	-0.07303025	0.03097861	-0.05653684	-0.09465278	0.09465278

CDH17	0.02129621	0.1424264	0.03138711	0.0268319	0.05506944	0.06900215	-0.2673209	0.2673209
CCNQ	-0.05121145	0.04481455	0.02305445	-0.03166976	-0.00090014	0.02732328	-0.0579585	0.0579585
UBL4A	-0.02675207	0.05181243	-0.0439166	-0.05232021	-0.04480867	-0.01729225	-0.06081115	0.06081115
DPP4	0.01885883	0.1395696	-0.02111895	0.06533391	0.1072081	0.01552166	-0.1766206	0.1766206
TFB1M	-0.02517435	0.1182187	0.1331161	0.01489934	-0.00638536	0.03238683	-0.2248315	0.2248315
HOXB7	-0.08547061	0.1118357	-0.07067763	0.0142592	0.00643963	-0.01099796	-0.07097069	0.07097069
MBOAT2	0.02026264	-0.0149503	-0.09323246	0.010567	-0.04846048	-0.05565931	-0.05833037	0.05833037
FAM210B	-0.05140641	-0.01186098	0.07098052	-0.03344961	0.04467069	0.03928234	-0.04248063	0.04248063
SMO	-0.03023079	-0.09855873	0.02385508	0.06738287	0.03922908	0.04502765	0.2486177	-0.2486177
ABL2	0.07870498	0.01558798	0.1342314	0.1213788	0.024698	0.1003078	0.1732121	-0.1732121
SLC8A1	0.01128659	-0.09225573	0.1619346	0.09326215	0.04336201	-0.01666682	0.297076	-0.297076
NPTX2	-0.05821334	0.03485493	0.00998485	-0.02434899	-0.01356213	-0.01372099	0.1127929	-0.1127929
TFF2	-0.02948307	-0.02149568	0.03439271	0.1027696	-0.03606033	0.06943289	-0.1534112	0.1534112
YEATS4	-0.01789666	0.09159249	0.04148204	0.0139869	-0.02753211	0.02265765	-0.0469363	0.0469363
GRB14	-0.1044224	0.05645935	0.07325458	0.03450337	-0.02882914	0.03459319	-0.104283	0.104283
WASHC4	0.01896777	0.0127005	0.226512	0.1043076	0.05965047	0.1366354	-0.02351916	0.02351916
DLX4	0.04915932	-0.0001986	-0.08482683	-0.06596375	-0.03747069	-0.06158238	-0.00628037	0.00628037
PAK3	-0.04876002	-0.03629058	-0.04748924	0.06440635	-0.02087968	-0.01158164	0.04874514	-0.04874514
SIRT5	0.06272818	0.03817624	0.01969406	-0.03352399	0.1100075	0.04481597	-0.1583429	0.1583429
HUS1	0.06911754	0.02920757	0.1004322	0.0367831	0.03341421	0.0898604	-0.09574757	0.09574757
PPIL4	-0.02522157	0.1327451	0.1468762	0.05823938	0.02976196	0.04435374	-0.1624298	0.1624298
PLIN3	0.00656264	0.04564378	-0.06626993	-0.03836177	0.0335875	0.00869623	0.01145616	-0.01145616
PRMT9	0.0116366	0.02956524	0.1563552	0.1153516	0.07283623	0.1129157	-0.01745697	0.01745697
CHST4	0.03534484	-0.0842477	0.05080414	0.01293557	0.1493527	0.03612027	-0.0312842	0.0312842
ANKDD1B	0.1557533	7.33E-05	0.04089021	0.1240442	-0.03357393	0.09527392	-0.1410642	0.1410642
HNRNPUL2-F	0.02903188	-0.05258692	0.06004224	-0.00130405	0.0626496	0.08925611	0.1168073	-0.1168073
CCDC57	0.09772195	0.1617827	0.01261063	-0.00605955	0.05746779	0.0558929	-0.01735617	0.01735617
KDM4A	0.04440744	0.03877763	0.01637242	0.03268827	-0.00520621	0.03011399	-0.1591434	0.1591434
PHETA2	-0.02015082	0.05318813	-0.03493711	-0.00559984	-0.01840398	-0.04458113	0.1209187	-0.1209187
ANG	-1.42E-05	0.05901994	-0.04508096	0.07932865	-0.03249542	0.00549462	-0.1869482	0.1869482
PHYHD1	-0.02276874	-0.1113122	-0.04149454	-0.08880117	0.01779553	-0.06929763	0.1693495	-0.1693495
DCUN1D1	-0.00398689	0.00811753	0.1815344	0.08386529	-0.00617655	0.08695105	-0.1348046	0.1348046
NR2C2	0.02578668	0.03071536	0.09850383	0.0904656	0.00186799	0.0908304	-0.03523308	0.03523308
LCP1	-0.06198436	0.01222126	0.1160337	0.04426365	0.00552557	0.0484581	0.05426458	-0.05426458
CAAP1	-0.00353941	0.06786295	0.05137783	-0.00789784	-0.09349805	0.00694843	-0.1835569	0.1835569
CARD17	-0.02110424	0.06252893	-0.0176567	-0.07943297	-0.01539108	-0.02496612	-0.06831898	0.06831898
SDHD	-0.1143986	0.08270631	0.1023286	0.05802039	-0.1171241	0.01119418	-0.2784318	0.2784318
METAP2	-0.08023316	-0.02227363	0.08733425	0.03468922	-0.0181331	0.07300187	-0.06694365	0.06694365
MET	-0.06107528	-0.01820047	0.05811763	0.1189177	0.07865418	0.1559804	-0.0772428	0.0772428
PLBD2	0.032169	-0.04563399	0.1898966	0.08629528	-0.02587667	0.1107112	0.3137333	-0.3137333
CHMP1B	0.00581504	0.07039649	0.08894477	0.04874361	-0.00402467	-0.014439	0.07272938	-0.07272938
COLEC12	-0.02122464	-0.1856171	0.1757767	0.09336697	0.04309352	-0.04674721	0.476462	-0.476462
ZNF385A	0.00655233	-0.1181855	0.01605216	-0.05695599	0.01689269	0.0395687	0.1572226	-0.1572226
BRWD1	0.08681337	0.04738531	0.09022981	0.0617574	0.02399319	0.08248162	-0.1083455	0.1083455
CNIH1	-0.05130689	0.07753858	0.1032472	0.07066693	-0.04035514	0.08765793	-0.1231464	0.1231464
WDR35	0.02305205	-0.01400202	0.09146398	0.1421396	0.05074605	0.1048146	0.1129896	-0.1129896
FGD3	-0.02885767	-0.0490304	0.1284072	0.06460943	0.0161506	0.09048909	0.1491041	-0.1491041
PARD3B	0.03310742	-0.06727631	0.1540019	0.03367187	0.00098511	0.07307583	0.2023711	-0.2023711
CD22	-0.0876119	-0.06701914	0.01901904	0.03573131	0.01585265	0.02357897	0.04231487	-0.04231487
PARVG	-0.00431261	-0.04782478	0.1010037	0.02693279	0.03165669	0.02071779	0.2284273	-0.2284273
TM2D3	-0.02556259	0.04452735	-0.00239553	-0.00353044	-0.0373043	0.03612428	0.01089375	-0.01089375
MANSC1	0.1050113	0.03274388	-0.0228809	-0.03866522	0.01697136	-0.03935522	-0.1805223	0.1805223
ABCG1	-0.04975569	0.01674015	-0.00255149	0.00970997	-0.00267375	-0.00668895	0.0592312	-0.0592312
TUB	-0.04508932	-0.1705918	0.03748437	0.09314335	0.04297328	0.03832536	0.3309452	-0.3309452
THAP3	-0.03100553	-0.03113131	0.02986091	-0.02579308	0.00190018	0.03485586	0.07646631	-0.07646631
KYAT3	-0.06498553	0.06668992	0.08412428	0.02064538	0.009905	0.01304619	-0.2411525	0.2411525
RANBP6	0.03203494	0.0600296	0.09878537	-0.01425158	-0.0091221	0.03188542	0.00617029	-0.00617029
NUFIP1	0.05141166	0.00629821	0.05036414	0.04851678	0.00672027	0.1055461	-0.1585587	0.1585587
MFSD4B	0.065196	0.0084277	0.1122954	0.08122495	0.01119413	0.08888769	-0.05583707	0.05583707
BTK	-0.07119844	-0.06280046	0.1015681	0.05755195	0.02250608	0.05353192	0.1209328	-0.1209328
HSF1	-0.04379918	0.1107568	-0.05572589	-0.04928257	-0.04425451	0.00919489	-0.07939682	0.07939682

PLEKHA8	0.06633549	0.04758984	0.09907838	0.0448194	-0.00883178	0.05278962	-0.1874897	0.1874897
XKRX	0.07206638	0.06483986	-0.0299933	-0.074054	-0.00146414	-0.02500467	-0.09761618	0.09761618
SLC16A6	0.01191108	-0.01430396	-0.00060005	-0.0074554	0.04562166	0.02111228	0.04484898	-0.04484898
SUMO1	-0.02194657	0.05636836	0.04048876	-0.02055868	-0.01886016	0.02790013	-0.1406988	0.1406988
CHFR	0.06194081	-0.05562322	0.09930284	-0.02412936	0.04032061	0.06742874	0.1193084	-0.1193084
SERPINB9	-0.1559119	0.04505641	0.09083461	-0.07275575	0.05965953	0.02509981	0.06674355	-0.06674355
CCR1	-0.01734613	0.05588563	0.1767583	0.07192018	-0.00519974	0.02426165	0.1788079	-0.1788079
GDPD3	0.08130143	-0.03556031	-0.01993543	0.02892291	-0.00265554	0.06053951	-0.04105673	0.04105673
ST7	-0.05392644	-0.05116498	0.05129594	0.0871092	-0.02952861	0.06892623	-0.07402235	0.07402235
FNBP1L	0.08713566	0.1154168	0.0537315	0.03787783	0.01406479	0.05028183	-0.2937189	0.2937189
OPN3	-0.00588837	-0.04753186	0.04008598	0.02040989	0.0215507	0.06362167	-0.03658075	0.03658075
NKIRAS1	-0.07870246	-0.07813711	0.07066172	-0.00188434	0.02640527	-0.05414878	0.1822936	-0.1822936
PRR26	-0.02670666	-0.03583009	-0.148807	0.00316752	-0.02757057	-0.0576104	-0.1282491	0.1282491
SAP30L	0.00042681	-0.06994271	0.1316766	0.06408212	0.0202624	0.08001851	0.1256416	-0.1256416
PRKAR1A	0.02274242	-0.09484077	0.1366245	0.1166717	-0.00727878	0.07743333	0.1318859	-0.1318859
BOLA3	-0.1574556	0.05039121	-0.00263852	-0.07465774	-0.04187964	0.02713263	-0.1359302	0.1359302
PDXK	0.04328084	0.02530485	0.08149384	0.0171294	0.08060881	0.09232846	-0.04682687	0.04682687
SERTAD3	-0.07550593	0.01237789	0.00604048	-0.04870043	-0.01443665	-0.01504001	0.1074894	-0.1074894
AC005726.1	0.1449914	0.0005195	0.03044099	0.06240171	0.168215	0.06001406	-0.08255456	0.08255456
AAAS	-0.09069303	-0.00925127	0.00212303	-0.0456738	-0.00322881	0.04508163	-0.08712658	0.08712658
EPHX4	-0.02730229	0.03398768	0.0828574	0.01441632	-0.00337918	0.01857732	0.01096948	-0.01096948
XPO6	0.02191814	0.04355601	0.1316573	0.07380576	0.1530086	0.1291236	-0.07042999	0.07042999
GALNT10	0.1098729	-0.0245105	0.1363881	0.1187828	0.03854014	0.1020681	0.1125755	-0.1125755
CBX5	0.05258645	-0.0731977	-0.03000928	0.03265377	0.04422454	0.05086432	0.03820258	-0.03820258
CAPS2	0.03832523	0.05946852	0.00541127	0.05811563	-0.00358343	0.0302934	0.00819188	-0.00819188
PLSCR3	-0.0175016	0.02826443	0.00021147	0.06349098	-0.00021646	0.01060651	0.2867382	-0.2867382
EXT1	-0.05196061	0.06647341	-0.04673047	0.06141121	0.044693	0.01395562	-0.09995275	0.09995275
ELMSAN1	-0.0372758	-0.04518227	0.1742821	0.07241187	0.03379302	0.1226585	0.1495531	-0.1495531
C4orf46	-0.03415883	0.09991564	0.04973215	-0.00320137	0.06346467	0.03554857	-0.1927969	0.1927969
PIP5K1C	-0.00979596	-0.11239	0.1052196	0.00241847	0.00469809	-0.00613157	0.4020147	-0.4020147
ATP11A	0.05682598	0.01080137	0.03700649	0.1165548	0.00704089	0.1757371	-0.10284	0.10284
SELE	0.07292665	0.02215605	0.1225016	0.08893319	0.08134642	-0.00231902	0.1887988	-0.1887988
DCXR	0.06941856	0.0430255	-0.173846	-0.09533859	-0.0511677	-0.06791425	-0.1894213	0.1894213
PROM1	0.1740107	0.06919275	-0.01751058	-0.04426042	-0.03242129	-0.05844366	-0.1064394	0.1064394
ZNF775	0.04510032	0.1120029	-0.07224842	-0.1648446	0.08783392	-0.07440582	0.03637857	-0.03637857
SIAH2	-0.04304323	-0.03920457	-0.02284482	0.00647297	-0.06439733	-0.00788877	-0.09387027	0.09387027
RADX	0.06260595	-0.07259155	-0.04156298	0.02140325	0.04351976	0.01388312	-0.1181589	0.1181589
ZNF621	-0.05788503	0.04951343	0.1075016	0.02527492	-0.03986449	0.05094532	0.06794567	-0.06794567
POLR3D	0.01526713	0.05182759	0.01258012	-0.03165595	-0.08322916	-0.03491039	0.02435976	-0.02435976
FAM107A	0.05042596	-0.1502787	0.08235074	-0.01177881	0.00592622	-0.05144959	0.2898165	-0.2898165
TMA7	-0.1078776	0.02538528	0.02573851	-0.04109556	-0.08446049	-0.02316175	-0.1269028	0.1269028
DENND4C	0.09644744	0.02161311	0.0694796	-0.00297675	-0.01127631	0.01186414	-0.1164671	0.1164671
RBM6	0.06067703	0.04983603	0.06549092	0.06383499	0.02106648	0.08473393	-0.06988026	0.06988026
JUN	0.03587498	-0.05016572	0.08748105	-0.03628104	0.0449485	-0.05808481	0.1766418	-0.1766418
ZNF17	0.01689756	0.0010038	0.1141115	0.08323606	0.0595476	0.06946679	0.0643352	-0.0643352
UFL1	-0.01866493	0.07320869	0.1658177	0.09149109	-0.008766	0.08415295	-0.2599631	0.2599631
AATK	0.01424989	-0.06705995	0.09671348	0.08783494	-0.02350357	0.1146496	-0.09183436	0.09183436
LAMP3	-0.05752207	0.05425364	0.08960545	0.03901861	0.01264467	0.1015646	0.0321087	-0.0321087
CUL4B	0.00511973	0.00423486	0.08585834	0.08048558	-0.0275792	0.07810668	-0.06824773	0.06824773
EBPL	-0.02163128	0.08782285	0.00695	-0.00860807	0.00203964	0.03542245	-0.2284616	0.2284616
SLC40A1	0.07175673	0.02735596	0.1656099	0.05088035	0.00155931	0.0615017	-0.1229217	0.1229217
RASL10B	-0.01103184	-0.04307009	-0.08777619	-0.02471036	-0.03555781	-0.01946682	0.00641874	-0.00641874
FGD1	0.00247625	-0.09474139	-0.01445206	0.00905734	0.04295949	-0.00210027	0.2654976	-0.2654976
MRPL20	-0.07245744	0.01110525	-0.0593363	-0.02321585	0.00673632	0.01981979	-0.1614583	0.1614583
C1orf54	0.06682806	-0.07361828	0.2068347	0.03165675	0.00473884	-0.00892513	0.5177097	-0.5177097
IL33	0.02699491	-0.1342782	0.1224005	0.04786978	0.05816781	0.02586535	0.08788714	-0.08788714
ZNF491	-0.03283057	-0.1380974	0.07359455	-0.06217383	0.00797334	-0.02093472	0.147399	-0.147399
ANKRD16	-0.00511073	0.02262812	0.06749654	-0.08193853	0.0743087	0.0086465	-0.03252209	0.03252209
SRD5A1	0.00246916	0.09475478	-0.01521652	-0.1056055	0.04057086	-0.00612206	-0.1896421	0.1896421
TINAG	0.05482229	0.04202645	0.0188364	-0.02516011	0.1496657	0.00712265	-0.1151639	0.1151639
HNRNPAB	-0.07907245	0.09842903	0.03720906	-0.03627134	0.07473552	0.04415567	-0.1684656	0.1684656

MAOB	0.02739616	-0.203233	-0.01296422	-0.06318322	-0.00898305	-0.07099788	0.09101204	-0.09101204
MAMSTR	-0.0071236	-0.0615942	-0.05579561	-0.04107054	0.00288622	-0.04359143	0.1018159	-0.1018159
DDX11	0.01302355	0.07671708	0.01768208	0.03589845	0.08547717	0.07674882	-0.1219504	0.1219504
ZNF749	0.02837475	0.04841906	0.06302744	0.05540108	0.01962156	0.0941928	-0.04696896	0.04696896
SNW1	-0.09744415	0.1280695	0.09208202	0.0214691	0.03333609	0.05156352	-0.1705162	0.1705162
DHRXS	0.02076742	-0.04439418	-0.1268969	-0.05172029	0.02917341	-0.07961496	0.08439912	-0.08439912
NDUFAF5	0.02328592	0.1117029	0.1163693	-0.00979281	-0.09936138	0.0184104	-0.156905	0.156905
GRPEL2	-0.03791218	0.08421443	0.06963309	-0.01935239	-0.02994908	0.03809454	-0.1852935	0.1852935
GAS8	0.02480814	0.05342013	0.09589473	0.0230622	0.07337224	0.01306626	-0.1002651	0.1002651
TMEM203	-0.05393458	0.01970195	-0.00991548	-0.06764609	-0.02214823	0.04379084	-0.02895362	0.02895362
FFAR2	0.00840665	-0.00979406	-0.1024642	0.0468591	-0.04894347	-0.01561794	0.02160046	-0.02160046
MT1E	-0.05993665	-0.02244468	-0.1182199	-0.00059539	-0.02392028	-0.1070808	-0.08797616	0.08797616
ZNF829	-0.01859461	-0.09499223	0.05784219	-0.01995968	0.03647982	-0.0147193	0.1562563	-0.1562563
MRTFA	0.00166321	-0.05893864	0.06356652	0.04800625	0.06979977	0.08673447	0.2603956	-0.2603956
MKX	-0.04653055	-0.1103277	0.107398	0.0052696	0.05186236	-0.09957015	0.304661	-0.304661
BAG2	-0.04596217	-0.1538334	0.1487497	0.02763382	0.0141648	-0.0545763	0.3046293	-0.3046293
DERL3	0.02338221	0.07707393	0.04239073	0.09922247	0.07720331	0.1168777	0.1244216	-0.1244216
PRDX2	-0.08257545	0.09042538	-0.06320448	-0.07811594	-0.01389144	-0.05501153	-0.1659885	0.1659885
SAMD4B	-0.02224694	-0.04523591	0.04771569	-0.03776514	-0.00360568	0.04860607	0.04331933	-0.04331933
SPTBN1	0.01162639	0.06864839	0.1755744	0.08378011	0.09005543	0.09228651	-0.1417474	0.1417474
BATF2	-0.0163412	0.1188871	0.08401442	-0.09495983	-0.02365368	0.05601015	-0.07877413	0.07877413
GAS6	0.01067143	-0.07017916	0.09101132	-0.04612417	0.01403591	0.01615458	0.3490673	-0.3490673
APOL4	0.02968982	0.03768571	0.0678227	0.016774	-0.04460948	0.09568842	0.00029475	-0.00029475
SKP2	-0.02822999	0.0374217	0.05501426	-0.06473937	-0.04410775	0.02149264	-0.2232016	0.2232016
GUCA2B	0.03934894	-0.02550828	-0.08235142	0.09438089	-0.0035855	0.04764334	-0.09380912	0.09380912
HEXD	0.05247444	0.0618507	-0.00036038	-0.02505635	0.09945074	0.03528592	-0.01793654	0.01793654
DBN1	0.03152469	-0.07404625	-0.00442366	0.05226365	0.01898447	0.0748634	0.3414811	-0.3414811
DCAF16	0.02809727	0.00122871	0.1304191	0.04331889	0.01686702	0.09180544	-0.00176511	0.00176511
MLKL	-0.05226403	0.1110958	0.2005214	0.1186849	0.1084701	0.1979545	-0.1065376	0.1065376
PISD	-0.02449301	0.1038675	0.06900801	0.04742032	0.04885276	0.03913254	-0.09338657	0.09338657
HCAR2	-0.01628962	0.03474387	-0.1406902	-0.05449261	-0.04649587	-0.05520996	-0.07881692	0.07881692
TSPYL5	-0.04725548	-0.06898071	-0.07059724	-0.01036314	0.04191993	-0.0210724	0.07582719	-0.07582719
EIF3G	0.00626703	-0.03757425	0.02811355	-0.09625227	-0.01242291	0.02170537	0.04709219	-0.04709219
PAR6G	-0.06070753	-0.03947261	0.01225691	-0.1239736	-0.01700123	-0.07983898	0.195231	-0.195231
CTSZ	-0.04288103	-0.006624	0.1226057	0.03908983	0.01317523	0.07653755	0.08159525	-0.08159525
FAM222B	0.04320248	-0.00014996	0.04872325	0.03967229	0.08767227	0.08010086	0.0007849	-0.0007849
SLC25A37	-0.03084131	0.1231558	-0.1810534	-0.02767391	-0.0881613	-0.1297891	-0.1442144	0.1442144
ZNF692	-0.00384797	0.1151475	-0.03074259	-0.01402234	-0.00182968	0.0064381	-0.2420048	0.2420048
UBE2W	0.0518823	0.05315592	0.05329314	0.01401333	-0.08041773	-0.00620497	-0.126961	0.126961
TP53I11	0.0639227	0.1422631	0.00468723	-0.02463982	0.02583077	0.0034409	-0.05216485	0.05216485
YIPF1	0.04443015	0.03346355	-0.00574774	-0.03590326	0.03342424	-0.00733859	-0.01134472	0.01134472
NT5C2	0.02980272	-0.02167505	0.08153383	0.04741234	0.04526916	0.0865537	-0.06465845	0.06465845
THNSL2	-0.02255439	-0.02870802	0.03727879	0.0261067	0.1041139	0.04430117	-0.01560972	0.01560972
WASL	-0.06353108	0.05917431	0.09339148	0.04701703	0.00625799	0.06022759	-0.1015385	0.1015385
RHBDD1	0.01965858	0.0673544	0.1699014	0.07740405	0.07585334	0.06268854	0.02525811	-0.02525811
ALDH1A3	0.04590489	-0.08964759	0.09971559	0.06268044	0.08751504	0.04949382	0.384323	-0.384323
MNS1	0.147424	-0.04335542	-0.03831615	0.00935789	-0.02578485	-0.03158083	-0.01528362	0.01528362
ZKSCAN4	-0.05600115	0.03464323	0.01751975	0.03842234	0.0475299	0.02466658	-0.02874426	0.02874426
PTK2B	-0.00183122	0.01629466	0.06140519	0.07882372	0.0122484	0.08138852	-0.1075445	0.1075445
EVA1C	0.0513046	-0.06289004	0.01550937	0.00570326	0.1066914	0.01882342	0.2141195	-0.2141195
GNS	0.05569718	-0.0005524	0.1620061	0.1067142	-0.01126176	0.1200386	0.04614131	-0.04614131
LAPTM4B	0.03494185	0.09271872	-0.03663521	0.00953275	-0.00091521	-0.0146152	-0.09844753	0.09844753
ZCCHC24	-0.02670502	-0.2047536	0.164515	0.08553349	0.043873	0.01700393	0.5264883	-0.5264883
MRPS5	-0.0577398	0.2088981	-0.05591973	-0.04981282	-0.04484455	-0.04712843	-0.2848475	0.2848475
SLC25A26	0.05348166	-0.04010735	0.08802204	0.09590914	0.00688101	-0.01628912	0.1038429	-0.1038429
FUT6	0.1459235	0.01767992	-0.1585131	-0.1054982	0.01452482	-0.0820578	-0.09767815	0.09767815
MTMR4	-0.00867524	0.1020002	0.08718706	0.08973866	0.05648883	0.1039088	-0.2026685	0.2026685
ADAM15	-0.05109596	0.1028494	-0.02845205	0.00973519	0.02715011	0.02226736	-0.1678302	0.1678302
ENPEP	-0.01832639	0.04220744	0.03908495	-0.03403104	0.00040527	0.04401	0.02781406	-0.02781406
C16orf91	-0.1197225	0.1061575	-0.03029223	-0.07873573	0.02615927	-0.07707233	-0.107057	0.107057
USP13	0.00965041	-0.01603759	0.1278192	0.06819888	0.01569638	0.08739267	0.06134299	-0.06134299

BCL2	-0.02376045	-0.07861413	0.1463188	0.02974111	0.03380431	0.01036324	0.3164142	-0.3164142
C5AR2	0.08084116	0.07035269	0.09562307	0.03574157	0.03692617	-0.06089471	0.1882298	-0.1882298
ZBTB47	-0.04230219	-0.1429368	0.1104996	0.03406964	-0.01861924	0.04619768	0.4931294	-0.4931294
TSTD2	0.00139249	-0.00196779	0.124927	0.09201854	0.03522115	0.09684453	0.07483927	-0.07483927
ATOH1	0.06868863	0.02860397	-0.09460368	-0.05579642	-0.0385169	-0.11023	-0.0004036	0.0004036
NBPF3	0.08374678	0.03925394	-0.02870005	0.02858761	0.03579469	0.01520448	-0.06594488	0.06594488
NUPR2	-0.03230699	-0.0578579	-0.00809146	-0.1097258	-0.05543819	-0.04045028	-0.0437835	0.0437835
ITPK1	-0.07433631	0.07510037	0.09396603	-0.01728704	0.03220209	0.03907826	-0.1884041	0.1884041
DCAF17	0.02088306	0.04921705	0.1667715	0.08931933	0.04748106	0.0818982	-0.1300629	0.1300629
RAB21	0.00774252	-0.03299392	0.1151913	0.03167564	-0.00900498	0.08617368	0.04101226	-0.04101226
BEX5	-0.09075307	0.00153702	0.04970132	0.01289772	0.08562201	0.06166453	-0.06138205	0.06138205
PHTF2	0.01659646	0.02864714	0.2198533	0.05839967	-0.03585264	0.04013212	0.204487	-0.204487
XAB2	-0.01797531	-0.02876089	0.08718783	-0.01800862	0.02774476	0.06052278	0.02990591	-0.02990591
TBC1D31	0.02483602	0.1029519	0.05352934	-0.02183517	-0.0605903	0.03549162	-0.2142732	0.2142732
PRF1	-0.01049391	0.09163698	0.1344604	-0.04351455	-0.00323198	0.04124153	0.02663891	-0.02663891
SLC17A4	0.06365102	0.07018929	0.02839331	0.03668562	0.04179758	0.06274635	-0.1692669	0.1692669
HSD17B11	-0.00959639	0.09343622	-0.06003981	0.03427075	0.02480319	-0.07233566	-0.2022873	0.2022873
FMN1	0.09464632	0.02654275	0.08521734	0.00408413	-0.00265331	0.01372562	-0.09580401	0.09580401
ALPG	-0.04861233	-0.03044675	0.03229494	-0.04959602	0.0469284	-0.01379266	-0.05747023	0.05747023
SH2B2	-0.0808019	0.012079	0.00166391	-0.0149439	-0.01834483	0.04651842	-0.00574325	0.00574325
GNG2	-0.05412563	-0.09669845	0.09309222	0.04884828	-0.01249101	0.03482743	0.1648199	-0.1648199
DLG1	0.1003746	-0.01709031	0.1048284	0.09167976	-0.0343238	0.07116946	-0.1415487	0.1415487
SUMF1	-0.04065213	-0.01781843	0.0251787	0.03535568	0.02034332	0.00602217	-0.04085144	0.04085144
BTBD11	0.05688343	0.00841676	-0.1325013	-0.04244506	-0.02492367	-0.03525221	-0.09835736	0.09835736
PIK3R6	-0.0294688	-0.08979759	0.1674887	0.03282276	0.02002473	0.106697	0.2811744	-0.2811744
RUNX1T1	0.0100661	-0.2237347	0.1696781	0.1193023	0.01449658	0.04885367	0.4611268	-0.4611268
U2AF1L4	-0.07968639	0.01501967	-0.01487791	-0.01416432	0.01675221	-0.01089019	0.0646066	-0.0646066
GLI1	0.02321756	-0.1608446	0.1241416	0.05048112	0.00177849	0.05819489	0.5072213	-0.5072213
VENTX	0.1214736	-0.06243806	0.01196799	-0.00196817	-0.01509999	-0.00360015	0.3376375	-0.3376375
MEGF9	-0.02613762	-0.0229154	0.1397454	0.02810228	-0.00565988	0.01929573	0.1309422	-0.1309422
NIPAL1	0.03480561	0.1543697	-0.06547779	-0.07112949	-0.03107541	-0.01712325	-0.3260149	0.3260149
CA8	0.121746	0.02616148	-0.1015584	-0.06933677	-0.03452517	-0.174615	-0.1525909	0.1525909
PRPF6	0.00750698	0.06911889	0.09804098	0.04751242	-0.00026339	0.07425837	-0.1141889	0.1141889
IL1R1	0.03266205	-0.127562	0.1747133	0.09433927	0.02135887	-0.01993266	0.4825252	-0.4825252
KANK4	0.03508818	0.02844559	-0.1078737	-0.09797323	-0.04233318	-0.07880901	-0.0132932	0.0132932
LZTS2	0.0036837	-0.02730529	0.03831706	0.01409098	0.00707823	0.01845334	0.3215495	-0.3215495
GCNA	-0.08323313	-0.00749547	0.01208474	0.0175951	0.02435482	0.04122674	-0.1169662	0.1169662
TTC6	0.03699418	0.07111404	-0.1307846	0.03937033	-0.00715264	-0.03823979	-0.2509344	0.2509344
CYLD	0.00312905	0.01771917	0.2064273	0.09151166	0.06003233	0.0801848	0.1614736	-0.1614736
MFSD2A	0.05135438	-0.04460526	-0.03426603	0.02347167	-0.02995293	0.05199103	-0.1854013	0.1854013
GANC	0.07726244	0.08032469	0.08583831	0.00948613	0.05280015	0.00703426	-0.0433377	0.0433377
RAPGEF3	0.04830272	0.01704049	0.00291773	0.027438	-0.02211877	0.01236447	0.02730129	-0.02730129
CPE	-0.07533475	-0.04142441	-0.03414825	0.06941763	-0.01572088	0.00340434	0.1545089	-0.1545089
RELL1	0.05241769	-0.1215495	0.1050199	0.01687115	-0.00115077	0.05618929	0.02316398	-0.02316398
TTL7	-0.0120908	-0.1271133	0.02986788	-0.01633569	-0.02684127	-0.08277328	0.2685159	-0.2685159
ZNF311	0.01095848	-0.09139997	0.05293445	0.06705692	0.1962263	0.09758839	-0.01185898	0.01185898
TCEAL2	-0.00610692	-0.1048299	0.05155912	-0.00549802	0.03067303	-0.05821536	0.2433412	-0.2433412
MRPS23	-0.03622024	0.04615152	0.00261073	-0.01324106	0.03703952	0.02176932	-0.1317745	0.1317745
ATG2A	0.00988105	0.113458	0.02172602	-0.02629749	0.01296889	0.0494317	-0.1423278	0.1423278
FAM155A	-0.05499537	0.02475002	-0.02902336	-0.02671784	-0.06355459	-0.01602139	0.0561149	-0.0561149
KLF7	-0.00242698	-0.1422725	0.1398418	0.0972062	-0.01612079	0.1246694	0.3332447	-0.3332447
CAPN15	0.05650691	0.09484849	0.05286798	-0.01291966	0.00764713	0.03697286	-0.2247632	0.2247632
STX19	0.06503865	0.1107966	0.01863426	0.0725533	-0.03795765	0.01052332	-0.1904058	0.1904058
PIM3	0.01237974	0.05651812	-0.02773885	-0.03520534	-0.03999192	-0.0197567	-0.1279726	0.1279726
CREB3L2	0.01678577	-0.04170673	0.1367075	0.1213338	-0.00365694	0.07936061	0.2424231	-0.2424231
CDCA7L	0.04069543	-0.00518093	-0.03380875	-0.02289779	-0.01848721	-0.00902845	-0.1100592	0.1100592
SLC38A6	-0.02723928	0.03321346	0.1482934	0.03438288	-0.01437083	0.0916979	-0.03058787	0.03058787
PRRT1	-0.092412	-0.058447	0.01872958	0.0093635	-0.02505725	-0.05440469	0.2430424	-0.2430424
TEX45	-0.02525048	0.07163987	-0.04782971	-0.03172329	0.02443712	-0.00683033	-0.0073759	0.0073759
ETV2	-0.07765098	0.07744181	-0.1131339	-0.1750789	-0.04259332	-0.1036947	-0.09039068	0.09039068
UBAP1	-0.03160705	0.02247347	-0.07942294	-0.04333658	0.01217648	0.04004462	0.0013289	-0.0013289

BRAT1	0.01428571	0.08872691	0.03437181	-0.03615538	0.00056591	0.01779193	-0.1533466	0.1533466
ZKSCAN5	0.06345881	0.00109758	0.02015949	0.09583087	-0.00953185	0.04845921	-0.05026785	0.05026785
CXXC1	-0.01432108	0.08187664	0.03648581	-0.05448987	-0.04854567	0.01116098	-0.05371093	0.05371093
ATF4	-0.01099346	0.1084997	0.06683274	-0.03478982	-0.00323721	0.03580751	-0.00564043	0.00564043
SLC4A7	0.03362724	0.07738402	0.07549699	0.06016458	0.03244872	-0.03050706	0.00853085	-0.00853085
ZFYVE27	0.06949091	0.1004097	-0.04870388	-0.04252765	0.00246908	0.03001106	-0.1147395	0.1147395
RAC1	-0.01777824	0.05831838	0.07048049	-0.01783975	0.03567019	0.02281238	-0.1068176	0.1068176
KBTBD12	-0.06889122	-0.03717174	-0.06223388	0.02024645	-0.05955759	-0.00798764	-0.1131615	0.1131615
KATNBL1	-0.00911184	0.06996021	0.06188139	0.09077273	-0.00206245	0.02608815	-0.1018924	0.1018924
RABAC1	-0.02753994	-0.04510669	-0.06192438	0.02781487	-0.0673875	-0.03189513	0.2067316	-0.2067316
RPS18	-0.04173126	0.06061365	0.08145308	0.04376022	-0.08679504	0.06219273	-0.1045396	0.1045396
ARL15	0.01606453	-0.02958842	0.1188687	0.09998659	-0.02322943	0.02413448	0.1527315	-0.1527315
ESAM	0.07243742	0.00516044	0.03626288	-0.02256054	0.01673363	-0.01179896	0.3059065	-0.3059065
TRIP4	0.04107742	0.1246273	0.02317231	-0.04349097	0.00510087	-0.04772234	-0.1392907	0.1392907
YPEL3	0.02501548	-0.04194371	-0.05364939	0.01638182	0.00731113	-0.0267294	0.2999969	-0.2999969
NARF	-0.00781407	0.107949	-0.00236555	-0.04367169	0.02416335	-0.00229735	-0.09532939	0.09532939
MYCBP2	0.03097599	0.07882479	0.1596099	0.08445043	0.02934087	0.11186	0.02441235	-0.02441235
SH2B1	0.1057294	0.04157465	-0.03602925	-0.0037832	0.06930523	-9.43E-05	-0.01887401	0.01887401
KEAP1	-0.05241186	0.03863588	0.00685756	-0.1101704	-0.02164072	-0.02977328	-0.04486616	0.04486616
WNT4	0.115641	-0.09194364	-0.1046756	0.08529725	-0.06554093	-0.00924217	0.02510406	-0.02510406
ROCK1	0.0270414	-0.03000892	0.1857276	0.1491308	-0.00231164	0.1161159	0.07431941	-0.07431941
ABLIM2	0.05480054	0.05675792	-0.120158	-0.1154242	-0.03517834	-0.02195171	-0.08128473	0.08128473
C1QA	-0.02084454	-0.03074739	0.1595855	0.04170776	-0.02498669	0.02239095	0.2288126	-0.2288126
FBXO11	0.04068442	0.03004238	0.1457348	0.09144473	0.04932556	0.08422166	-0.04233373	0.04233373
NR1H4	-0.03914329	0.00090928	0.04101114	-0.0159822	-0.00527924	0.01410403	-0.06779489	0.06779489
TBX2	0.1164765	0.05376021	-0.03918022	-0.0553705	-0.023699	-0.04664754	0.1211446	-0.1211446
SRD5A3	-0.04170944	-0.06833214	0.03902411	0.07164024	0.06778584	0.02784645	-0.03698581	0.03698581
SASH1	0.02960592	-0.07419078	0.03633014	0.0191059	0.02170469	-0.02027839	0.1439141	-0.1439141
ETNK2	0.02065599	-0.1057476	-0.06365028	0.00716961	0.0019547	-0.00213822	0.06387607	-0.06387607
CENPBD1	0.03521753	-0.00044747	0.01596403	0.03867129	0.1053396	0.04245948	-0.02105322	0.02105322
NXPE3	0.00445466	-0.06455	0.1643151	0.125408	0.01866826	0.09903904	0.3081534	-0.3081534
C17orf49	-0.01381383	-0.01748024	0.032164	-0.01338711	-0.06166509	-0.02854732	0.3105847	-0.3105847
ERMAP	0.06774808	0.03240266	-0.02080308	0.04681948	0.02262276	0.00473332	0.02521663	-0.02521663
UBXN1	-0.05202594	0.0038556	0.01583276	-0.08666602	0.08824277	0.02939527	0.2185166	-0.2185166
FAM166C	0.01074672	-0.03239599	-0.06144387	0.02484634	0.07592512	0.02072425	-0.1139608	0.1139608
CCDC9B	0.05239788	-0.08660568	0.00264459	0.0621844	0.03474386	0.00219174	0.1799311	-0.1799311
TPST2	0.03069633	-0.01604609	0.03969187	-0.02464566	0.03944738	0.06331312	0.1756094	-0.1756094
OSR1	-0.03031835	-0.09190007	0.06107783	-0.05507018	-0.06587034	-0.01622903	0.2607955	-0.2607955
CHCHD10	-0.09082268	0.06066811	-0.1359326	-0.1086557	-0.07721868	-0.03712145	-0.1743606	0.1743606
PRELID1	-0.03198238	0.1006556	-0.04650274	-0.02026774	0.0030653	0.0312791	-0.118215	0.118215
EIF2B2	-0.08489155	0.06150528	-0.05333157	-0.08398886	0.08255872	0.00186564	-0.09379457	0.09379457
SLC26A1	0.06516924	0.04410253	-0.100172	0.00884559	-0.03725501	-0.02914393	-0.09693736	0.09693736
PDE4C	-0.04448935	0.00786321	0.02525475	0.02432994	-0.01235755	0.03099629	-0.1547051	0.1547051
FHL5	-0.01000564	-0.05822651	0.1636538	0.06164886	0.0583907	-0.01352674	0.3393707	-0.3393707
TMEM220	-0.06560677	-0.04522563	-0.00949851	0.0043132	-0.02498824	-0.03685111	0.01995414	-0.01995414
DKK1	-0.02754299	-0.07902243	-0.1108756	-0.08095955	-0.00293603	-0.09797999	0.01298726	-0.01298726
SNRK	-0.0399611	-0.04783932	0.2254447	0.1299351	0.02813448	0.1116355	0.2028286	-0.2028286
SEC31B	0.07186779	0.0121434	0.09390065	0.08343802	0.04147685	0.1178575	0.04984163	-0.04984163
FKBP2	-0.08707066	0.07019637	-0.05076532	0.02387241	-0.03763821	0.03289132	0.03898706	-0.03898706
VCP	-0.02573396	0.06621922	0.00813236	-0.00764744	0.04210622	0.09578383	-0.1616213	0.1616213
SPON2	0.06336154	0.02956923	0.00898181	-0.1026178	-0.06686278	-0.03238821	0.4180674	-0.4180674
MT1H	0.04267448	-0.05865078	-0.1948967	-0.06025491	-0.0325192	-0.1398106	-0.1554565	0.1554565
PLCL2	0.00682763	-0.03097016	0.1153909	0.1026354	0.01204104	0.02443339	0.08623988	-0.08623988
BRD4	0.04568532	-0.03119677	0.1239158	0.0373073	0.1235841	0.1102202	0.00941005	-0.00941005
INPP5A	-0.07143956	-0.09238677	0.07107582	-0.01357213	-0.02841709	-0.02185335	0.21623	-0.21623
TBC1D1	-0.05294032	-0.06397695	0.1439704	-0.02329597	0.02482623	-0.00341482	0.2217827	-0.2217827
ARL4C	0.07813634	-0.06831089	0.05564379	-0.02187596	0.05750776	0.01846038	0.3650913	-0.3650913
PDE10A	0.03243259	-0.00901895	0.05072414	0.1020467	-0.01866687	0.06271998	0.1408508	-0.1408508
EMC3	0.01194307	0.00545497	-0.07073766	-0.01338864	-0.04409775	-0.05218043	-0.04383257	0.04383257
LDB2	0.00146205	-0.04641374	0.1937916	0.07982302	0.09067209	0.0518823	0.3607999	-0.3607999
KIAA1257	-0.08930226	0.09842085	0.06106748	-0.05968057	-0.07634791	-0.03121328	-0.1866832	0.1866832

NEPRO	0.04837925	0.0324954	0.1339538	0.05839418	-0.02104697	0.146952	0.01735806	-0.01735806
ZNF117	0.1554139	0.1128505	-0.04646983	0.04848708	0.07447268	0.01092034	-0.0880162	0.0880162
SHISA2	-0.04102848	0.0277568	0.03263897	0.03356481	-0.00768813	0.04978167	0.1587227	-0.1587227
TMEM192	0.01701879	-0.07913665	0.1290154	0.03984709	0.03359508	0.1027674	0.00678764	-0.00678764
POU2F3	0.03061615	-0.0271053	-0.0314655	-0.04219847	-0.03473756	-0.01207919	-0.09663778	0.09663778
PRKCZ	0.07457921	0.03581597	-0.01485595	0.03051834	0.04365991	0.03914631	-0.2682921	0.2682921
EEF1AKMT2	0.00826514	0.03944383	0.02571181	-0.01496319	-0.03010681	0.01718168	-0.07960481	0.07960481
ATAD2	-0.0019002	0.08463695	0.01910617	0.00397117	-0.00588891	0.0734315	-0.2243829	0.2243829
AGTRAP	0.1022135	0.00861051	-0.1132253	0.00727688	0.02282094	0.00277138	0.1398843	-0.1398843
OSBP	-0.01940879	0.09487857	0.02358394	0.02616651	-0.0218691	0.05630714	-0.1912544	0.1912544
RPS6KA3	-0.05392784	0.05671607	0.1748982	0.05171785	0.07759164	0.09672428	-0.05991004	0.05991004
ZDHHC24	0.01724035	0.03630215	0.06758925	0.00393148	-0.01721253	0.09566019	0.05733945	-0.05733945
HIST1H2AH	-0.02107505	0.01791898	-0.06518761	-0.07176291	-0.04297597	-0.01896861	-0.1319119	0.1319119
YY1	0.01131126	-0.04496411	0.1614652	0.1276328	0.03547448	0.1555897	-0.08140015	0.08140015
GFM2	0.0190964	0.05586643	0.03993952	0.01888701	-0.047318	0.03678428	-0.1877442	0.1877442
MTG2	0.00160186	0.06966499	0.04931006	0.02064653	0.02437525	0.07281576	-0.1326534	0.1326534
TMEM163	0.03896746	-0.1535518	-0.06394809	-0.00586346	-0.03805775	-0.0116763	-0.06955004	0.06955004
SALL4	0.04589594	0.03066925	0.0510654	0.08511128	0.00072406	0.07855654	-0.02997604	0.02997604
ISM1	-0.06860795	-0.122174	0.1412664	0.06135488	0.05915291	0.00845035	0.5366994	-0.5366994
SIRPB1	0.1030824	0.04307019	0.08280275	0.05928336	-0.03133242	-0.02448803	0.08091688	-0.08091688
NCALD	0.03535961	-0.122747	0.0956767	-0.01733718	0.00175797	-0.03370455	0.2955668	-0.2955668
GOT1	0.00714177	0.07314017	-0.09352491	-0.06873962	-0.03281095	-1.54E-05	-0.2833922	0.2833922
MB21D2	0.01487354	-0.01833622	0.08291893	0.00914358	-0.03674466	0.05206614	0.1644141	-0.1644141
LGALS1	-0.03763613	-0.109567	0.09491134	-0.01917421	0.00462341	0.02345677	0.5735921	-0.5735921
KLHL31	0.07974053	0.00835781	-0.05178224	0.02509736	-0.031686	-0.0240472	-0.2609519	0.2609519
SMTNL1	0.01899607	0.09060613	0.1726556	0.0638694	0.02769156	0.09593521	0.02716957	-0.02716957
MAN2B1	0.09791725	0.00030292	0.06672026	0.04066303	0.02064045	0.00035277	0.1486758	-0.1486758
ZNF860	-0.02147768	0.00418295	0.04508676	0.0230762	0.07383081	0.07365545	-0.05404168	0.05404168
RAB5A	-0.04399423	0.06427168	0.007803	0.00675688	0.01779625	0.00394584	-0.08719361	0.08719361
CLEC4E	0.00265737	0.1240233	0.03218186	0.00060545	-0.06371667	-0.08307457	0.1200717	-0.1200717
CDK1	-0.05922731	0.1277236	-0.00734274	-0.03665564	0.0186092	0.01976667	-0.2951327	0.2951327
YME1L1	0.00809228	0.08973745	0.1402973	0.02270906	0.03713125	0.08224903	-0.1499975	0.1499975
ERP27	0.04188693	-0.07658416	-0.0273011	0.07879044	0.01980585	0.08088054	-0.01931766	0.01931766
KLHL20	0.00269755	-0.04319537	0.1709505	0.07551678	0.04881248	0.05417902	0.1980174	-0.1980174
GON7	-0.08545042	0.10511	0.0993797	-0.00966125	0.01777874	0.05995814	-0.2731854	0.2731854
CRISPLD1	0.01950093	-0.1666941	0.1641523	0.1420947	-0.03760644	0.00758863	0.4014647	-0.4014647
MAP3K9	0.05645632	0.03166368	-0.1320683	0.00751102	-0.00304902	0.00916929	-0.1942259	0.1942259
KLF12	0.02183755	-0.1663273	0.093485	-0.01275164	-0.02892194	0.03179113	0.1323556	-0.1323556
CEP104	0.05414957	-0.04531396	0.153527	0.03827552	0.048615	0.09644359	-0.03843094	0.03843094
NKD2	0.03017369	0.04084253	-0.01184936	-0.0902721	0.03579412	0.0265992	-0.07233203	0.07233203
AP002495.1	0.01658851	0.03898752	0.05285743	0.01257633	-0.03465368	0.03176571	-0.01947104	0.01947104
RPRD2	0.03239358	-0.04960754	0.06101227	0.0342947	0.03439136	0.04131285	-0.00700103	0.00700103
ACYP2	-0.03918562	0.0232856	0.00140677	0.07409377	-0.03947807	-0.0594906	0.1370862	-0.1370862
EIF3L	-0.0408869	-0.00310046	-0.01692712	-0.00374103	0.00665568	-0.02205045	0.05886626	-0.05886626
MEMO1	0.02039052	-0.1438467	0.07451159	0.048022	0.08555773	0.03351069	0.1473139	-0.1473139
KIAA0930	-0.04497978	-0.00362781	0.03766028	-0.04963733	-0.00866606	-0.00266739	0.1750414	-0.1750414
APEX1	-0.05998118	0.0666247	-0.00652704	-0.00682441	0.06970125	0.08381128	-0.1662211	0.1662211
ZNF555	-0.02053412	-0.04113021	0.07990972	0.05758813	-0.00710366	-0.00323415	0.1564695	-0.1564695
TMEM126B	-0.1254623	0.1036015	0.09050678	0.05481724	-0.0292177	0.02681656	-0.1047754	0.1047754
LFNG	0.03090267	0.04517362	0.01769564	0.01761803	-0.01636906	0.03475309	-0.05407782	0.05407782
TARBP2	-0.04680381	-0.03198876	-0.01912531	-0.03244093	-0.01610062	0.02976686	-0.06876143	0.06876143
ZFAND2A	-0.00532483	0.03309806	-0.01721226	0.00501323	-0.02354491	0.0437985	-0.05778672	0.05778672
HSPD1	-0.099498	0.08456375	0.10832	0.06294732	-0.01897395	0.1032893	-0.3083789	0.3083789
KPNA4	-0.06361856	0.00856587	0.1869392	0.09176117	0.0002058	0.06129878	-0.03141931	0.03141931
AP1G2	0.1092115	0.1460952	-0.02006466	0.0515578	0.02438158	0.1038564	-0.3224878	0.3224878
SSBP1	-0.05614995	0.07726588	0.04792423	-0.01572595	0.00643871	0.05802332	-0.2260867	0.2260867
NUDT11	-0.01911575	-0.09999395	0.12021	0.0387922	-0.00227092	0.08765334	0.3519008	-0.3519008
VRTN	0.05452612	0.03916207	0.00380624	-0.0794206	0.05811645	-0.03498144	-0.05653423	0.05653423
PPP1R21	0.05818685	0.0066856	0.1387267	0.09780351	0.07777269	0.04377278	0.01153264	-0.01153264
FUCA2	0.03470579	-0.01280462	0.08237285	-0.00303441	0.00395121	0.05308792	-0.1735454	0.1735454
C1RL	0.03651906	-0.1303795	0.1848748	0.1019627	0.03905603	0.08363095	0.4084099	-0.4084099

CXCL11	0.01189604	0.0384315	0.1476741	-0.02835494	-0.0193928	0.08432654	0.01583371	-0.01583371
CYP26B1	0.05780146	0.0238015	-0.07594033	0.0407895	-0.05891108	0.02983023	0.02893818	-0.02893818
SPTAN1	-0.02127973	0.02825753	0.1464544	0.04112841	0.07748011	0.09301027	-0.01498854	0.01498854
CNTLN	0.06861981	-0.1718417	0.1204275	0.06095852	0.0963941	0.02240139	0.1961287	-0.1961287
FAM110D	-0.03699089	-0.1515231	0.08198751	0.02328205	0.03932658	0.04508624	0.3986887	-0.3986887
RNPS1	-0.05699951	0.04401801	0.06053239	-0.03594101	0.03498543	0.02991227	-0.1188248	0.1188248
UQCC1	0.07394946	0.0693718	-0.0336975	-0.00989994	0.05464518	0.06411595	-0.1351388	0.1351388
MACROD2	0.08964324	-0.02251587	-0.05559575	-0.08007574	-0.02851743	-0.07209524	-0.00123462	0.00123462
LRP8	0.05082008	0.00134165	0.03552415	0.0403979	-0.00062986	0.09710264	-0.162636	0.162636
GREM1	0.06252286	-0.1076214	0.2136083	0.08324499	0.01557276	0.03583521	0.5332197	-0.5332197
PKNOX1	-0.03147896	-0.02919987	0.1355156	0.0547553	0.01042128	0.08027193	0.04369278	-0.04369278
GZMK	-0.05738275	-0.03805427	0.138089	0.06722415	-0.03377712	0.04240661	0.1891066	-0.1891066
SEC24D	-0.00375097	0.1161323	0.08315505	0.09641399	-0.03875831	0.07860937	-0.06002036	0.06002036
NLRC5	0.03837245	0.1841058	0.1316998	0.02970802	0.04549155	0.1087552	-0.09177315	0.09177315
RNF25	-0.02220928	0.00280866	-0.08355077	-0.07522398	0.00167881	-0.02230043	0.07529087	-0.07529087
P4HTM	0.02151266	0.08345068	-0.07014664	-0.03493122	-0.06915935	-0.01308203	-0.1377081	0.1377081
TP53BP1	0.09449418	-0.03622654	0.09265439	0.07100822	0.04052759	0.08377806	0.00649365	-0.00649365
AURKC	-0.00643412	0.00220508	0.0061629	0.01666113	0.03616888	0.07535025	0.04641225	-0.04641225
TOMM34	0.04048119	0.09088037	0.0146787	0.02646216	0.08303887	0.03282	-0.2555176	0.2555176
PTPN20	-0.02327434	-0.05235548	-0.08991787	-0.1101771	0.02747979	-0.1082599	-0.1566807	0.1566807
NP1A1	0.04740386	0.08809957	0.07618918	0.06534667	0.09011521	0.05291322	0.0142211	-0.0142211
MPRIIP	0.03380418	-0.02482545	0.1072129	0.1383413	0.04221669	0.1213919	0.2182777	-0.2182777
RAG1	0.1503969	0.03266636	0.03770043	0.02597076	0.1104232	-0.0313657	-0.07407578	0.07407578
RIMKLA	-0.02499712	0.0332954	0.00294643	-0.01762455	-0.00173505	-0.01634596	0.00925718	-0.00925718
WWTR1	-0.00809035	-0.1758447	0.1643579	0.07607709	0.06533412	-0.02287577	0.4560416	-0.4560416
ABC9	0.08473744	-0.05465964	-0.04433571	0.05826407	0.00662787	0.05095486	0.01140514	-0.01140514
LTB4R2	0.06934327	0.04934125	0.01523216	0.07857626	0.03280678	0.1106822	-0.09517737	0.09517737
ZNF35	-0.02067416	0.08512229	0.08109571	0.03287194	-0.03281854	0.03382794	-0.1017802	0.1017802
KNOP1	0.08873079	-0.03704219	0.01591316	0.06401504	0.08567197	0.04426038	-0.09055277	0.09055277
HHP	0.02756105	-0.088909	0.08468394	0.0870949	-0.05472855	0.04420035	0.1616564	-0.1616564
FAM200B	-0.04017659	0.0238168	-0.00011746	0.00342028	-0.01981939	-0.05651214	0.1040126	-0.1040126
CYP4B1	0.07566461	-0.0947857	-0.1737171	-0.04512328	-0.05068313	-0.08123529	-0.1055896	0.1055896
PMAIP1	-0.00422104	0.06724584	0.0318317	-0.04261453	0.00720582	0.02484942	-0.0243426	0.0243426
RANBP10	0.09668211	0.06867919	0.05640971	0.0021634	0.08422121	0.05840803	-0.06887246	0.06887246
TOP2B	-0.00748596	0.02012951	0.1428319	0.04858787	0.01488222	0.06156737	-0.1150063	0.1150063
GINS2	-0.02065372	0.08342344	-0.06401826	-0.1032407	-0.0108181	-0.07444391	-0.1802128	0.1802128
MFN1	-0.02899339	0.06400161	0.09832894	0.0464406	-0.02362436	0.08524532	-0.1205517	0.1205517
HDAC6	0.1107088	0.09162136	-0.05467461	-0.03354917	0.04191187	-0.00791269	-0.04356274	0.04356274
PTP4A3	-0.02125298	0.0393838	-0.05681345	-0.06356524	-0.01362556	-0.04039926	0.1017573	-0.1017573
RTN1	-0.07252319	-0.09096675	0.07444056	0.0391068	0.03803245	0.02158259	0.2216386	-0.2216386
RPAIN	0.02718687	0.1111478	0.04634832	0.06799001	-0.04538551	0.03232492	-0.06497111	0.06497111
TMEM38B	0.03292661	0.09061288	0.0622966	-0.08016716	-0.0403984	-0.01783021	-0.2170552	0.2170552
SPDYC	-0.02698658	0.1144623	0.05500547	-0.03908306	0.01877881	0.0279127	-0.1326561	0.1326561
TXNDC11	0.08139728	0.08167729	0.0564856	0.0716594	0.08184921	0.05428964	-0.08140312	0.08140312
STARD13	0.0845404	-0.06777188	0.1431987	0.05031095	0.09420453	-0.06203206	0.235082	-0.235082
TLR1	0.00026698	0.00153737	0.2026018	0.1459623	0.04928367	0.00758927	0.2055393	-0.2055393
BANK1	-0.0347238	-0.07861633	0.04994764	0.09880369	0.0330179	0.04658961	0.118964	-0.118964
BCAS3	0.08937002	-0.08029193	-0.01751953	-0.04033206	0.02786966	-0.03060578	0.1178295	-0.1178295
ROM1	0.00403147	-0.07429746	0.02313098	0.00533327	0.04431655	-0.07845916	0.3888935	-0.3888935
OCLM	0.05282795	0.04721004	0.1089266	0.08401001	0.01596558	0.08892205	-0.1054019	0.1054019
GOSR2	0.06011814	0.06485775	0.06233106	0.04925706	0.04854748	0.09377726	-0.07729156	0.07729156
CLEC2B	0.00111877	-0.05542883	0.1916672	0.03180816	0.02149424	-0.0048648	0.4184738	-0.4184738
TRNP1	-0.01110796	-0.0502466	-0.08002405	0.02301136	-0.03530933	-0.0226717	-0.08887242	0.08887242
MMP19	0.06706646	0.01647618	0.01458226	0.00480332	-0.0312885	-0.05579964	0.2816875	-0.2816875
PSMB8	-0.05046117	0.1525926	-0.01242406	-0.01192764	-0.05667302	0.01961249	-0.1623289	0.1623289
PSMA4	-0.07512439	0.1084024	0.0892726	0.0182006	-0.04695671	0.08814015	-0.2104431	0.2104431
MYOCD	-0.0391206	-0.1759196	0.08752314	-0.00479814	-0.01626839	-0.04757548	0.3346004	-0.3346004
RAPH1	0.0675966	0.05054535	0.05850837	0.0706634	-0.00309725	0.09118225	-0.1452676	0.1452676
OIT3	0.03592299	-0.03058209	-0.04183973	0.02560636	-0.03746764	-0.01546131	-0.08476691	0.08476691
MRPS33	-0.0612951	0.08312736	-0.01835193	-0.0218046	0.00812063	-0.01407828	-0.1584977	0.1584977
SIPA1L1	-0.00017746	0.03378661	0.1438043	0.06286224	0.00827867	0.04841988	-0.02965019	0.02965019

BRD3	0.02552967	-0.04458803	0.08396586	0.02752676	0.00570789	0.06341016	0.1440103	-0.1440103
PIMREG	-0.01637586	0.06988485	-0.01588124	-0.01791403	-0.05268551	0.03132004	-0.1049273	0.1049273
SLIT2	-0.05623763	-0.1910543	0.1700813	0.05429551	0.01699418	0.01558956	0.5054817	-0.5054817
DHX33	0.01747543	0.04149079	0.1027381	0.04539961	0.02866004	0.06615409	-0.1021472	0.1021472
DCK	-0.09053635	0.06666602	0.07848525	-0.04991327	-0.08698188	-0.00588146	-0.1705994	0.1705994
ZNF146	-0.01805881	0.04676384	0.07727074	0.05710059	0.04065884	0.1183418	-0.09488183	0.09488183
ATG4C	0.01549043	-0.0432804	0.1501499	0.05881597	-0.0010002	0.0536692	0.02653561	-0.02653561
PIAS1	-0.01367554	-0.00102699	0.1395576	0.06588372	0.03239551	0.08180832	-0.01760376	0.01760376
CHCHD1	-0.1361243	0.0191303	0.04680772	0.04482364	-0.1022074	0.1039661	-0.104614	0.104614
THOC3	-0.04583224	0.05658255	-0.01913897	-0.04332498	0.03766063	0.02607763	-0.1889416	0.1889416
MESP1	-0.09817094	0.1254655	-0.06820249	-0.03140842	-0.02606659	0.0382962	-0.1645371	0.1645371
CRTAC1	-0.00268303	-0.1502515	0.00075207	0.04713442	0.00631968	0.0423358	0.22343	-0.22343
SV2B	-0.04573538	-0.01214454	0.05982988	0.00231125	-0.00514401	-0.00795524	0.2614961	-0.2614961
GDPGP1	-0.01859206	-0.02423247	-0.05037154	-0.05034068	0.01852426	0.03252062	-0.1041035	0.1041035
MCOLN1	0.06733306	-0.07419626	-0.03466134	-0.08046246	-0.03891926	-0.06694384	0.1182672	-0.1182672
HSD17B4	0.06969702	0.1296115	0.0192717	0.10039	-0.06456819	0.02259922	-0.259641	0.259641
AK9	0.09038603	0.02382409	0.09283304	0.07151216	-0.00647257	0.06935541	-0.05155447	0.05155447
APC2	-0.0110072	0.02081506	0.1481819	0.00216004	0.01312405	0.07594545	-0.00449291	0.00449291
VPS36	0.08480721	0.05685816	0.1100417	0.0286382	-0.03201319	0.07543907	-0.1900672	0.1900672
MEOX1	-0.03437919	-0.1088984	0.05379228	0.01754894	0.00190766	0.00026827	0.352109	-0.352109
DUSP4	-0.1032143	0.04088721	-0.07029149	-0.06158172	-0.04508467	-0.0702016	-0.1353331	0.1353331
ID4	-0.03824851	-0.02618373	-0.06928226	-0.1089658	-0.03159484	-0.1160064	0.331989	-0.331989
CFAP410	0.1165297	-0.08280264	-0.01248221	0.00873401	0.04250388	0.01213042	0.07006074	-0.07006074
ARFGAP1	0.1282241	0.1178664	0.05841571	0.08699105	-0.01429564	0.110733	-0.08755125	0.08755125
WNT9A	-0.09512283	-0.1113541	0.11201	0.06131511	0.03753618	0.02324381	0.2743238	-0.2743238
TBC1D12	-0.00936699	0.00582713	0.193368	-0.02496025	-0.01434874	0.05913349	-0.02701978	0.02701978
C11orf98	-0.1116039	0.05236625	-0.1101276	-0.1271351	0.01528861	-0.03659471	0.00073687	-0.00073687
ZNF14	-0.02642297	0.04957976	0.1336699	0.02754613	0.05659953	0.05095981	-0.03603504	0.03603504
KLC4	0.07286449	0.1058374	-0.129108	-0.05250784	-0.00472129	-0.07663723	-0.1730558	0.1730558
PIGC	-0.04026361	0.01655924	0.0334151	0.01641376	0.03980406	-0.02813387	-0.009943	0.009943
CCDC3	-0.01749493	-0.00983664	0.04090548	0.04139247	0.03323016	0.03789304	0.30373	-0.30373
NPRL3	-0.00440597	-0.00143495	0.04916652	0.00525464	0.02416027	0.021815	-0.0311745	0.0311745
SLC5A3	-0.04039328	0.04283764	0.1036101	0.00070589	0.04566378	0.06413797	-0.1162596	0.1162596
TMC4	0.1019879	0.07739324	-0.160641	-0.06141606	-0.01232725	-0.09745849	-0.2099484	0.2099484
S100B	0.00236215	-0.09221474	0.1903716	0.04231022	0.01623416	-0.06433901	0.1640557	-0.1640557
TSPAN18	-0.0589864	-0.1277421	0.0558365	0.02110729	0.00667566	0.010976	0.281996	-0.281996
PTPMT1	-0.05743554	0.04637016	0.05154345	-0.040826	0.00384937	0.0474917	-0.07541878	0.07541878
SLC2A6	-0.03137014	-0.01483268	-0.01577838	-0.0090019	-0.00901208	0.08066688	0.08858701	-0.08858701
VHL	-0.04165312	-0.01206214	0.1160404	0.03705339	0.05447269	0.1187402	-0.01308821	0.01308821
ZNF595	0.0221872	0.07905737	-0.106856	-0.04958202	0.07122616	-0.06620719	0.0015563	-0.0015563
IRF4	-0.03769947	0.01019073	0.1003392	0.1311027	0.02674359	0.1340934	0.04615719	-0.04615719
PCDHGA4	0.08183834	0.00328419	0.01042844	-0.01121304	-0.02226993	-0.03125688	0.1910192	-0.1910192
CLEC4A	0.0181151	0.08020176	0.14879	0.07567629	-0.01063336	-0.00407853	0.1123527	-0.1123527
TMEM167A	-0.02472446	0.09059316	0.1427648	0.1116254	-0.05804473	0.09738778	-0.07484283	0.07484283
SLAMF7	0.00409559	0.09262672	0.1727449	0.1043505	0.05808578	0.1299109	0.02314438	-0.02314438
NAV2	0.04630362	-0.08004999	-0.00903969	-0.05593691	-0.05119881	-0.04037756	0.1946267	-0.1946267
ACBD5	-0.04645661	0.1938643	0.1041633	-0.04959265	0.00977491	0.00881714	-0.2787668	0.2787668
DGCR2	0.05270343	0.04183872	-0.01597614	-0.00707221	0.04450494	0.05060134	-0.00775672	0.00775672
RAI2	-0.04961586	-0.1764041	0.09719657	0.02153629	-0.02057098	0.02220596	0.4327784	-0.4327784
ENO2	-0.1171842	0.01209458	0.08143792	-0.02157198	0.0426704	0.07290216	0.1732353	-0.1732353
SEPTIN7	0.02991245	-0.08488637	0.2328931	0.09671984	-0.0123581	0.06064071	0.2510059	-0.2510059
SLC2A10	0.1094024	4.53E-05	0.04496337	0.05299627	-0.01775024	0.03646251	0.00927942	-0.00927942
PHF12	0.07691648	0.02159438	0.09831541	0.07338296	0.0606915	0.1116899	0.03806688	-0.03806688
KIAA2013	0.04559446	0.06372245	-0.08675034	-0.02738282	0.04217258	-0.03693757	-0.1061197	0.1061197
ANKRD34A	0.01349701	-0.1173411	0.07202411	-0.00854727	0.03892422	0.01665385	0.2742342	-0.2742342
ALG11	0.1052581	0.04771591	0.1266467	0.0813807	-0.03516666	0.1130905	-0.1801176	0.1801176
AGPAT1	-0.01625067	-0.02815994	-0.07812151	0.03426707	-0.01158312	-0.02260697	0.04019963	-0.04019963
TRPC6	0.06018858	0.05632454	0.1335573	0.08961929	-0.00637591	0.05352243	0.2026836	-0.2026836
KIAA0753	0.03315774	0.01494545	0.1515231	0.08436263	0.01267714	0.1105828	-0.02941417	0.02941417
ZNF135	-0.03480249	-0.1892163	0.0773931	0.06000295	0.03096901	0.01840796	0.4438722	-0.4438722
PXMP2	-0.02498889	-0.07479422	-0.09793081	-0.01106846	-0.048753	-0.0574739	-0.2220531	0.2220531

C2orf92	0.126768	-0.05824474	-0.03093924	-0.0120319	0.03249484	-0.07030177	-0.0262695	0.0262695
SLC39A11	0.07689947	0.00209389	0.03153243	0.0723729	0.0024108	0.03589997	-0.1224995	0.1224995
FAM172A	0.01267473	-0.126079	0.1260813	0.116756	-0.01110157	-0.0163731	0.2868147	-0.2868147
PTPRO	0.0026828	0.04655831	0.02581607	-0.03618351	-0.00974933	0.03522181	-0.01073658	0.01073658
NOL3	0.01640105	0.1564641	-0.02561712	0.03319804	0.09050315	0.02256364	0.02536683	-0.02536683
ALOX5AP	-0.04465343	0.00294425	0.0697637	-0.00329418	-0.01167273	-0.04047697	0.2102288	-0.2102288
HIST3H2BB	-0.09549408	-0.07135767	0.01884693	-0.04442434	0.00415581	0.00320494	-0.00901432	0.00901432
HMGCL	0.03864215	0.05553729	-0.1412232	-0.0328744	-0.01741257	-0.06704429	-0.1869759	0.1869759
AL162231.1	-0.1707491	0.01263754	-0.01908068	-0.05258208	-0.02012847	-0.00358384	0.2365061	-0.2365061
TIAM2	0.02709879	0.00269928	-0.00602621	0.04434638	-0.02036973	-0.02416546	-0.0902126	0.0902126
CSF1	0.03252482	-0.06495505	0.1235319	0.00458393	0.00795085	0.01438873	0.246502	-0.246502
MFS12	-0.03840924	0.05938298	0.07793504	-0.04956672	-0.01221212	0.06515527	0.04457224	-0.04457224
FLT1	0.120893	0.1057651	0.1796218	0.06095186	0.0908072	0.1056623	0.1252299	-0.1252299
SPAG16	0.09066322	-0.129837	0.04728693	0.1455391	0.0143185	0.06842896	0.0154402	-0.0154402
RAI14	-0.01000971	-0.04251288	0.155267	0.05704214	0.01184739	0.0366578	0.3549264	-0.3549264
MYO1D	0.07925963	0.05986657	0.07218626	0.01949124	0.07733892	0.00936554	-0.04677739	0.04677739
ADAMTSL5	0.01693817	0.1355075	-0.01457819	0.0381733	0.05140419	0.00875462	-0.1297106	0.1297106
LCMT2	-0.02273088	0.00557224	-0.07382283	-0.02504707	0.00216462	0.0196064	-0.04819649	0.04819649
MSL1	0.07062353	0.05632624	-0.0060188	-0.01170041	0.01368272	0.03154034	-0.1184905	0.1184905
SHROOM3	0.07878856	0.05065784	-0.04388953	0.00058884	0.04243574	0.01479403	-0.2137454	0.2137454
SOCS7	-0.0012509	0.00962556	-0.07355469	-0.02287043	0.02321801	0.01001173	-0.1222141	0.1222141
HK1	-0.04135329	-0.05397173	0.00030306	0.03293822	0.00953705	0.01965436	0.1236889	-0.1236889
CDC42SE2	0.00068949	0.125268	0.1273174	0.0552375	0.00529954	0.06984814	-0.09941937	0.09941937
AARD	-0.0840734	-0.103189	0.08429773	-0.0557973	-0.03506237	-0.02792194	0.1575333	-0.1575333
VARS2	0.05725993	0.07825115	0.00297039	-0.00616857	-0.05581575	0.05540982	-0.2115316	0.2115316
MCTP1	0.07262601	-0.07976424	0.1358685	0.05095419	-0.01305632	0.04205148	0.2292172	-0.2292172
CCDC61	-0.01584205	0.02396347	-0.07309283	-0.03340706	-0.02502178	-0.04746345	0.09809221	-0.09809221
DPCD	-0.05436081	-0.00701015	-0.00191803	-0.02555088	0.00881741	0.04801097	-0.02207941	0.02207941
ZNF100	0.02876239	0.02770078	0.1227802	0.06804757	0.01412883	0.08087742	-0.1071296	0.1071296
ATP1A1	0.0664509	0.01162547	-0.03087648	-0.0537657	-0.02148253	-0.01869242	-0.12664	0.12664
DHRS4L2	-0.1108857	0.1302649	0.00224698	-0.09093785	-0.00236963	-0.00712078	-0.1513963	0.1513963
LYRM7	-0.03146721	-0.1113639	0.1791982	0.1033899	-0.0252016	0.10584	0.040804	-0.040804
RHBDF2	0.0188349	0.1280117	-0.02523997	-0.06307248	0.08501314	0.01710568	0.06329339	-0.06329339
ACADSB	-0.09670773	0.01296489	0.0408956	-0.03606584	-0.04702912	-0.03817461	-0.1554645	0.1554645
HLA-A	0.07398376	0.128612	-0.02129358	0.01540443	-0.04139205	0.03383829	0.00177956	-0.00177956
FASTK	0.04212373	0.08363423	-0.04578185	-0.07627199	0.0188414	0.0160775	-0.1392584	0.1392584
HTRA3	-0.01506386	-0.07441351	0.1279748	-0.04129759	0.04744036	0.102877	0.5780154	-0.5780154
MFS12	0.03547928	0.1202487	-0.01044293	-0.03471657	-0.03639143	-0.03479674	-0.2114968	0.2114968
DARS2	-0.07498204	0.00013965	0.03713116	0.007728	-0.00633783	0.02295665	-0.2685155	0.2685155
ESCO2	-0.08832984	0.07116291	0.00786789	-0.0523876	-0.08036533	-0.04071392	-0.3020021	0.3020021
ATF7IP2	0.04358201	0.07075841	-0.07929716	0.00895585	0.05383619	-0.00176466	-0.1783391	0.1783391
SLC27A4	-0.1158045	0.04675774	-0.02846719	-0.06214892	-0.03481022	0.00129426	-0.1151941	0.1151941
BBOF1	0.00201218	-0.06004393	0.1055008	0.00895991	0.01284325	-0.01209689	0.2997139	-0.2997139
VPS9D1	0.0841924	0.0290896	-0.00386201	0.07187951	0.08286168	0.05652332	-0.05148668	0.05148668
C5orf24	0.03512748	-0.07299571	0.174935	0.1027757	-0.01120089	0.06711689	0.1444866	-0.1444866
RHEBL1	-0.01223584	0.07483358	0.0565643	-0.09576609	-0.00414214	0.01925559	-0.00931018	0.00931018
TMEM179B	-0.00463313	0.09836541	-0.1033093	-0.05473303	0.02442265	-0.02438287	0.01491177	-0.01491177
TAF8	0.04096058	0.09210355	0.03961819	-0.02253049	-0.01738968	0.02267654	-0.0085781	0.0085781
ZNF174	-0.08314434	-0.05926152	0.02351897	-0.03007183	0.00563069	-0.02677922	0.08193515	-0.08193515
RTCA	-0.05164363	0.07988314	0.05716118	0.02353381	-0.00430689	0.08688665	-0.298869	0.298869
KIAA1217	0.04242202	0.03285243	0.0544152	0.00615556	-0.01233805	0.06698642	-0.1382855	0.1382855
SLC10A3	0.00443533	0.03329509	-0.05698643	-0.03599078	-0.027283	-0.04350288	0.05573196	-0.05573196
PHOSPHO2	0.08481679	0.08691169	0.1152323	0.07920765	0.018953	0.09556399	-0.1759582	0.1759582
ARMC10	0.00215798	0.00272569	0.05145405	0.04749563	-0.00930776	0.05194313	-0.09087302	0.09087302
WDCP	-0.013611	0.00327572	0.1012237	0.1100367	0.04738816	0.1129916	-0.08586422	0.08586422
DRAP1	-0.05280101	0.03360449	-0.00524498	-0.05305824	-0.00381356	0.00521829	0.1267225	-0.1267225
SEPTIN8	0.03782726	0.05295848	0.1028388	0.05813385	0.01574772	0.09388509	0.1079591	-0.1079591
ZC3H13	0.1067371	0.00564967	0.1599474	0.1000894	0.07185763	0.09700639	0.03967894	-0.03967894
LRFN4	-0.02366407	0.08245828	0.04302746	-0.00773752	-0.02770795	0.05471528	-0.06424274	0.06424274
SLK	0.00563789	0.04017695	0.1130257	-0.0065648	0.00846357	0.04378585	-0.1038627	0.1038627
PTAFR	0.02955045	-0.01968625	0.0690929	0.03247274	-0.02028429	0.02758301	0.1346273	-0.1346273

C1orf115	0.00839276	0.07163943	-0.00763613	-0.03246163	0.03993852	-0.02727537	-0.1891931	0.1891931
TMCC2	0.01110273	-0.1192142	0.04848852	-0.02214574	0.01498366	-0.02063148	0.317506	-0.317506
DNMT1	0.01373656	-0.00304922	0.06515592	-0.04775979	0.00954541	0.05513146	-0.1437652	0.1437652
GOLGA2	0.01355123	0.1009198	0.02028855	-0.01927984	-0.01139463	0.00392885	-0.00127991	0.00127991
ZNF652	0.04286544	0.02883843	0.1176925	0.05900829	0.01423025	0.0927394	0.00561571	-0.00561571
SUPT16H	-0.00684095	0.06663334	0.1420285	0.05337955	0.02906565	0.1633957	-0.1869209	0.1869209
NRP2	-0.00826844	-0.08835186	0.1350073	0.02959364	0.05197984	0.01435039	0.4264131	-0.4264131
DRC3	0.05506391	-0.02940303	0.04415445	0.00228177	-0.02585697	-0.03795742	0.1311642	-0.1311642
TRIM26	0.03651483	0.1042914	0.06091259	-0.03027385	0.0032472	0.0390787	-0.1654224	0.1654224
LGALS7B	-0.07810087	-0.01864895	-0.06657616	0.05548968	0.1387771	0.0620943	-0.07415816	0.07415816
CDC42EP3	-0.0041258	-0.1953069	0.07429943	0.0114177	-0.00358531	-0.04809831	0.4006626	-0.4006626
GJA5	-0.00617829	-0.01974337	0.09134512	0.03531548	-0.02434107	0.02135245	0.43576	-0.43576
PCSK4	-0.03809639	0.1587015	-0.01259176	0.02119096	-0.02051446	0.00178993	-0.1534692	0.1534692
LRRN1	-0.06847453	0.02281161	0.03993978	-0.00087345	0.00425073	0.01426128	0.03118569	-0.03118569
BEND3	-0.0845755	0.07695067	-0.05445249	0.04177393	-0.01818468	-0.01460691	-0.1122128	0.1122128
DMAC2L	0.07856424	0.03882748	0.053087	0.02686204	-0.02780227	0.01551234	-0.09579829	0.09579829
BRAP	-0.02122016	0.00202969	0.08922538	-0.02509343	0.00174656	0.05903661	-0.08433842	0.08433842
MSH5	0.02110616	0.1014716	0.00115641	0.04086727	0.01741138	0.05256091	-0.19774	0.19774
ALDH5A1	0.02144023	0.00083543	0.09918527	0.03323645	0.01611029	0.08664895	-0.1545086	0.1545086
HEYL	0.00487761	-0.12202	0.1385261	0.05230995	0.06264489	0.09230782	0.4425574	-0.4425574
SCFD1	-0.04054428	0.1405683	0.1244462	0.1395154	-0.04831991	0.08023652	-0.1736291	0.1736291
ADAM9	-0.07918492	0.03146598	0.0491228	0.08061258	-0.02928301	0.0079325	-0.1216161	0.1216161
VCPKMT	0.01922897	0.1331647	0.08381465	0.07340789	0.00315868	0.09721091	-0.1291854	0.1291854
CCND3	0.02679555	0.04135977	-0.05928777	-0.01148084	-0.01572706	-0.00836933	-0.03989822	0.03989822
ARHGAP19	0.04811003	0.03765985	0.06081806	0.05473412	-0.02880861	0.05585521	-0.138698	0.138698
FECH	-0.07337099	0.05939457	0.09650997	0.03335768	-0.00387129	0.00742012	0.02058619	-0.02058619
SGCD	-0.00162767	-0.17969	0.1507297	0.0427849	0.00209465	-0.00551471	0.4541391	-0.4541391
CBX4	0.03940327	0.01392217	0.09080452	-0.0320259	-0.04121239	0.05059818	-0.00297823	0.00297823
FRMD5	0.06824914	0.04340728	0.08760727	0.01175324	-0.00472506	0.05110079	-0.05954151	0.05954151
SOS2	0.06209114	0.06222113	0.1167763	0.05826097	0.01540345	0.05571579	-0.03980664	0.03980664
SECTM1	-0.00351875	0.1506973	-0.06541669	-0.156708	-0.00613726	-0.0735689	0.02912407	-0.02912407
MAD1L1	0.146696	-0.02864523	0.01840891	0.0787946	-0.01117848	0.08872869	-0.03360011	0.03360011
NDUFA5	-0.07118486	0.06922103	0.04631854	0.02885646	-0.01323911	0.01840895	-0.1375671	0.1375671
SEC61B	-0.04886895	0.03900303	0.03467032	-0.05409864	-0.04888347	0.01066274	-0.03396266	0.03396266
BZW2	-0.01420234	0.0844703	0.09065359	0.04971332	0.00618941	0.0486866	-0.3592063	0.3592063
S100A8	0.02871149	-0.02773325	-0.1641995	-0.07992388	-0.03573519	-0.07831487	-0.06983734	0.06983734
NDUFB2	-0.09580953	0.06914977	-0.01675823	-0.0340489	-0.02495779	-0.02450892	-0.1354446	0.1354446
NT5C3A	-0.02648777	0.1585552	0.1116864	0.01094842	-0.02657052	0.0734472	-0.2825721	0.2825721
CKAP2	0.03457454	0.05621956	0.03098232	-0.00175706	-0.04382892	0.07218212	-0.2237586	0.2237586
SLC44A2	0.08681135	-0.0704773	-0.1246046	-0.04833602	-0.00180044	-0.04027047	-0.08672346	0.08672346
FANCM	-0.03566098	0.05210638	0.1140981	0.06898835	-0.00138831	0.1303813	-0.2506895	0.2506895
INPP4B	0.06931002	-0.02368848	0.120252	0.04837097	0.1072769	0.09759464	0.1124148	-0.1124148
NOP53	-0.00386278	-0.1122668	0.04881614	-0.02287376	-0.03075483	0.02184707	0.1481697	-0.1481697
CDCA8	-0.06275489	0.1095147	-0.0346186	-0.00427105	-0.02670774	0.02245344	-0.3546855	0.3546855
FADD	-0.00939217	-0.00928145	0.02520532	-0.04980755	0.03196478	0.02760752	0.01641616	-0.01641616
GOLPH3L	-0.03384646	0.07914642	-0.05104226	0.00337325	-0.00922796	-0.03700826	-0.1328597	0.1328597
CPSF3	-0.02239468	0.09901882	0.07262775	0.03607512	0.0595114	0.03703686	-0.2399319	0.2399319
PARD3	0.06938	0.01792213	0.02799576	-0.00530868	0.0873054	0.05310776	-0.05344957	0.05344957
FAM76A	0.02036761	-0.05508739	0.1328355	-2.60E-05	0.00502004	0.04599451	0.09457638	-0.09457638
MRPL37	-0.05105985	0.0450379	-0.1067715	-0.07940213	-0.02717424	-0.03537623	-0.2105485	0.2105485
PPP3R1	-0.03598275	0.03321145	0.09413855	-0.00733634	0.01937393	0.01715016	-0.02005877	0.02005877
SRGAP2C	-0.00972219	-0.03000911	0.1049782	0.05531493	-0.01333882	0.01426425	0.2755105	-0.2755105
RBMX2	-0.01050768	0.01798004	0.03512521	-0.04362544	0.02981906	0.01586537	-0.02617717	0.02617717
WDR45B	0.03971265	0.1189682	-0.01672879	-0.04783812	0.03892512	-0.03060296	-0.1500837	0.1500837
GTF2H1	0.02537409	0.03195527	0.199636	0.08045363	0.00288839	0.1361027	-0.1111998	0.1111998
EZH1	0.02735138	-0.0677533	0.1713622	0.07713446	0.08672051	0.08370574	0.2548133	-0.2548133
OCEL1	-0.00105607	0.01317844	-0.07288377	-0.0370543	-0.09555908	-0.05287419	-0.02034154	0.02034154
MOCS3	0.01739352	0.02314239	-0.00889364	0.03209204	-0.00013358	0.07420097	-0.09967603	0.09967603
GPC6	0.04881066	-0.1257	0.1956665	0.1038334	0.00645366	-0.01743955	0.4898469	-0.4898469
CD24	-0.0662066	-0.06490612	0.04970474	-0.00869863	-0.03060209	0.0461911	-0.07792548	0.07792548
TBCEL	0.02321372	-0.02225422	0.1392573	0.09518251	-0.01211188	0.06964878	0.2879901	-0.2879901

BMP2	0.1061948	0.01545554	-0.0008579	0.04901442	-0.05978097	-0.05877494	-0.08342563	0.08342563
MOGAT3	0.08114345	0.06493286	0.04507794	0.01661605	-0.00169277	0.05795137	-0.1657467	0.1657467
GPHN	-0.03806002	0.1645197	-0.0585689	-0.08446015	0.1206463	-0.04021867	-0.2004476	0.2004476
RPS6KA5	-0.00041937	-0.05374955	0.1304693	0.04028168	0.05538188	-0.01084764	0.0515928	-0.0515928
WTAP	0.01211267	0.08370641	0.07813312	0.02188934	0.06181839	-0.049044	-0.1133839	0.1133839
DNAAF2	-0.03670558	0.04600163	0.01845273	-0.02480781	-0.00186362	0.06821491	-0.1740407	0.1740407
MPP5	0.00672158	0.08875223	0.09854636	0.08595587	0.0243171	0.08079716	-0.2453366	0.2453366
BLOC1S3	-0.07681441	0.01853106	0.00141922	-0.02921797	0.00710462	0.02582726	-0.01490536	0.01490536
C17orf53	-0.06624723	0.08963552	-0.00650667	-0.02007385	0.0917702	0.08660102	-0.196276	0.196276
CCR2	0.0124847	-0.01563971	0.1888236	0.1106296	0.02000692	0.08111477	0.1940541	-0.1940541
SMIM15	-0.03740588	0.03723822	0.1136763	0.05115201	-0.06093218	0.07652005	-0.2183323	0.2183323
NPAS2	0.04912901	0.04516286	0.03894241	0.04135399	0.05426242	0.05485331	-0.1649771	0.1649771
PAF1	0.00618794	0.04377942	-0.03735545	0.00333325	-0.01908459	-0.00374685	0.08181655	-0.08181655
NEIL2	-0.07323383	-0.0174133	0.0536505	0.06090702	0.01548173	0.07445462	0.06176056	-0.06176056
CXCL1	0.0313954	0.1154303	-0.07273017	-0.0965681	-0.0349898	-0.1461928	-0.07197084	0.07197084
ZBTB26	0.01831	0.04062286	0.09201819	0.0297735	0.01577281	0.05993624	0.01084591	-0.01084591
HSPA12B	0.00760031	-0.07787779	0.1083518	0.0705304	0.03338508	0.0623476	0.4697786	-0.4697786
REG1A	0.06814859	-0.01009126	-0.1042835	-0.02633629	-0.05316921	-0.02755771	-0.04254349	0.04254349
TMCC3	-0.04400155	0.06952914	0.1161115	-0.01436943	0.01291077	-0.0439773	-0.02089284	0.02089284
F8A3	-0.07298794	0.02288613	-0.1154329	-0.1007013	-0.02208605	-0.113051	0.07186557	-0.07186557
TSHZ1	-0.00596472	-0.08723889	0.152227	0.01769485	0.02558665	0.0038075	0.2858177	-0.2858177
DERL1	0.00210542	0.1523929	0.00800193	0.01776989	-0.05141475	0.00238036	-0.1276155	0.1276155
ZNF519	-0.01222426	0.04324347	0.0193533	0.05592879	0.06559209	0.03533429	-0.03517085	0.03517085
GINM1	0.01340518	-0.06349245	0.2103672	0.08319618	0.07495126	0.05132424	0.3009083	-0.3009083
SNRNP48	-0.04997886	0.07099118	0.08368181	0.0297798	0.04506323	0.0612441	-0.2337134	0.2337134
YPEL1	0.02822712	-0.1244129	0.04269161	0.0278232	0.00187906	0.05011621	0.2157958	-0.2157958
USP4	-0.01298607	0.03192191	0.07638996	0.06174256	0.05506545	0.04471227	0.03154608	-0.03154608
CLDN1	0.01150961	0.07674531	0.08469776	0.01824857	0.1225931	0.04399567	-0.01419689	0.01419689
LPCAT1	-0.1752442	0.1017949	-0.01251889	0.00656691	0.00782683	0.04759731	-0.062717	0.062717
SEMA3C	-0.040309	-0.02793313	0.06921489	0.03482948	0.05607703	-0.00672761	0.2341437	-0.2341437
EPS8	-0.00728167	0.04767813	0.1685642	0.05343068	0.01251496	0.09490203	-0.1657397	0.1657397
CD207	0.00325078	-0.1802697	-0.04623521	-0.01426935	-0.03923612	-0.019911	0.167774	-0.167774
HLA-DRA	0.00364512	0.03797254	0.1509056	0.03736801	0.03353003	0.04987803	0.05323449	-0.05323449
VWA8	0.00488877	0.09669646	0.1240078	0.05129252	0.02148591	0.0957391	-0.1557288	0.1557288
PAXIP1	0.00536816	0.1028375	0.0097871	-0.05066305	0.05664547	0.04854142	-0.2249667	0.2249667
NARS2	0.01462782	0.08705698	0.01227245	-0.01808671	-0.02642575	0.03958169	-0.11541	0.11541
PPIC	0.05669352	0.07128915	0.07745064	0.06801029	-0.02254983	-0.02201148	0.1546593	-0.1546593
ZNF286A	-0.01509409	-0.00833153	0.1132401	0.07726051	-0.01985198	0.03066313	0.0284116	-0.0284116
EFHD1	-0.00971923	-0.02027915	0.00236349	-0.08287143	0.03029372	-0.04510074	0.1962951	-0.1962951
AK7	0.00909747	0.09310935	-0.03231974	-0.0303114	0.08088481	-0.01275344	-0.2265525	0.2265525
C15orf40	0.1056881	-0.05039028	0.05774831	0.03562701	0.03559624	0.08336487	0.03430373	-0.03430373
ELP4	-0.07968797	0.07154611	0.00790037	-0.00829463	-0.05777449	-0.04810254	-0.03259707	0.03259707
FOLR1	0.04093021	-0.01824279	-0.073723	0.09492956	0.03374992	-0.03259547	-0.06477268	0.06477268
BET1	-0.02347815	0.01891272	0.04766359	0.0441838	-0.04540565	0.01803838	-0.06499556	0.06499556
MSH6	-0.03111065	-0.00401293	0.05247348	0.02816836	0.01535625	0.05029886	-0.1197206	0.1197206
DTX1	-0.05152169	-0.1066394	0.06277886	0.05435286	0.00171515	0.07300758	0.1757644	-0.1757644
FAM222A	0.01240833	-0.08372152	-0.107268	-0.06719789	-0.06188683	-0.04840788	-0.0705	0.0705
GEMIN2	-0.02950252	0.07683722	0.07570321	-0.00199241	0.04392137	0.03995956	-0.229999	0.229999
TNFRSF13C	-0.07196194	-0.04868691	0.00744755	0.01082318	0.00105158	0.03114805	0.0371724	-0.0371724
CDCA7	0.02778853	0.1712089	0.07263469	-0.05028499	-0.01327938	0.03378554	-0.2889258	0.2889258
JCHAIN	0.04072378	-0.04303872	0.02478034	0.07395627	-0.01672351	0.0972633	-0.02359897	0.02359897
ZBTB34	-0.00498692	0.01908727	0.1291638	0.0657065	-0.03043128	0.1000462	-0.00497383	0.00497383
ZNF114	-0.00908325	0.01250139	0.00066531	-0.00321492	0.1830872	0.04423829	0.01854877	-0.01854877
EGR4	-0.03178852	0.1029279	0.05034329	0.00560252	-0.05795275	-0.04018115	0.0079307	-0.0079307
VMP1	0.0525318	0.1367906	-0.01670291	-0.02232372	0.01575479	-0.01268647	-0.03170346	0.03170346
DNAL4	0.1049967	-0.01947184	-0.1099266	-0.09787373	-0.00472343	-0.05587087	0.07613179	-0.07613179
SCD	0.07010777	0.04313841	0.05100375	-0.08882178	-0.02479511	0.04588893	-0.09101658	0.09101658
TRAPPC2L	-0.05833037	-0.01281017	0.11142	0.02478568	-0.00502594	0.08346109	-0.08577102	0.08577102
MEA1	0.00201401	0.1446393	-0.1938872	-0.1326025	-0.03919468	-0.1243909	-0.05415309	0.05415309
MTRNR2L10	-0.06812723	-0.07768774	-0.04642802	-0.02934278	0.1395971	0.03736041	-0.02426732	0.02426732
LMNB1	0.0038117	0.05459719	0.06333416	0.02397007	-0.02010144	0.08022503	-0.1956724	0.1956724

NEK4	0.00665725	0.01206507	0.08753592	-0.00582809	0.00246313	0.05323411	-0.2269166	0.2269166
HACD4	-0.02766941	-0.1832073	0.1943269	0.1188152	0.00652038	0.03268091	0.4101447	-0.4101447
CCL25	-0.06374463	0.08014125	-0.01818099	-0.01350601	-0.01232222	-0.03143686	-0.06398106	0.06398106
SELENOW	-0.06887849	-0.04325089	-0.00986523	-0.04068988	0.02499449	-0.04514075	0.3047146	-0.3047146
DHX57	0.02056121	-0.00559891	0.09093875	0.07173119	0.04274277	0.05855756	-0.03580175	0.03580175
SLC25A28	-0.0709669	-0.01363583	0.04553648	-0.07527893	-0.00307727	-0.00091916	0.1434157	-0.1434157
PIIP5K1	0.05942069	0.08819629	0.02635566	0.03861896	-0.02002384	0.06537822	-0.2023339	0.2023339
SNAPC5	0.05851792	-0.0157829	0.05569625	0.01718904	0.03714416	0.00764226	0.04752561	-0.04752561
GTDC1	0.00886081	-0.02117124	0.09607773	0.08205174	0.01608808	0.03785953	0.1291017	-0.1291017
RO60	-0.03870105	-0.05967418	0.2363607	0.05224792	0.02575565	0.08384212	0.04560839	-0.04560839
WBP1	0.09962439	8.74E-05	-0.1090262	0.00056663	-0.01789592	-0.03198835	0.05267463	-0.05267463
TRIM16	-0.01223175	0.02345593	0.05037524	0.02296513	-0.06465495	0.0306436	-0.09810726	0.09810726
ABHD13	0.04136971	0.04591752	0.1474789	0.06168043	-0.01697011	0.07721757	-0.07027102	0.07027102
FAM53B	0.04808566	0.02210933	-0.04080753	-0.05653152	0.03021249	-0.05664025	-0.04951489	0.04951489
SPATC1L	-0.07194893	-0.05299684	-0.120106	-0.06041484	-0.02637519	-0.07509794	0.1202939	-0.1202939
POLR2G	0.04181165	0.07089849	-0.07041464	-0.05466655	0.03473072	-0.02143008	-0.06489792	0.06489792
PSPH	0.05644597	0.00667192	0.00624466	-0.06764935	0.01045862	-0.0230571	-0.1127679	0.1127679
CENPQ	-0.03479627	0.1374543	0.03933721	0.02881248	-0.00331693	-0.01927967	-0.2299155	0.2299155
SCRN2	0.05710766	0.09867105	-0.07503022	-0.00631846	-0.02904173	-0.02267846	-0.08112858	0.08112858
USP25	0.02360715	-0.01953545	0.2059564	0.04429453	0.1158561	0.04261863	0.09371343	-0.09371343
BEND5	-0.03262394	-0.2044628	0.05778349	0.05743281	0.06410618	-0.06386203	0.4338481	-0.4338481
LARP1B	-0.09480387	0.1097312	0.05515301	0.02684709	-0.04770845	0.04752042	-0.3143509	0.3143509
MCIDAS	0.02559805	0.05104472	0.06517018	0.02752533	-0.00445652	0.06503345	-0.1804018	0.1804018
NUCB1	0.00810987	-0.00735746	-0.010159	4.61E-05	0.0069949	-0.05006358	0.1474502	-0.1474502
ZNF131	0.01903352	0.06400597	0.03212512	-0.05922051	-0.01735764	0.05293585	-0.06975888	0.06975888
PTPN21	0.03540856	-0.05914574	0.09651824	0.1275358	-0.00320282	0.06466739	0.2073493	-0.2073493
RPL34	-0.04310885	-0.0745058	0.07788608	0.05335388	-0.06850804	0.1014909	0.00885586	-0.00885586
TBC1D5	0.01116661	-0.02087603	0.09708013	0.05173517	0.04701517	0.04888436	-0.03850334	0.03850334
LIPA	0.04504613	-0.00632805	0.2268881	0.1068031	0.05245752	0.05215975	0.02971194	-0.02971194
KCNF1	-0.07382685	0.05737024	-0.02001441	0.01813832	0.00711126	0.0208255	0.0843149	-0.0843149
TAS2R4	0.1426845	-0.00511184	-0.0213596	0.05089816	0.01707939	0.02014862	-0.1133872	0.1133872
HIF3A	-0.03626459	-0.05341229	0.03636375	0.02170929	-0.02725504	0.01118645	0.01405654	-0.01405654
EXD3	0.03444747	0.08472266	0.0226456	-0.07439536	0.0052653	0.00568183	-0.06012396	0.06012396
RBM28	0.00433894	0.1180465	0.08570341	-0.01506424	0.04018537	0.04605054	-0.2136122	0.2136122
ADAMTS7	0.07924227	0.02903326	-0.00312388	0.02609896	0.00525915	0.05065849	0.248328	-0.248328
TBC1D14	0.06785796	0.00049088	-0.00422978	0.03186328	0.00895347	0.00957491	-0.1193862	0.1193862
NET1	0.01067231	0.04181887	0.01027051	-0.03320951	0.03450174	-0.02605469	-0.1454413	0.1454413
SKAP1	-0.00980674	0.05530997	-0.00464156	-0.06258327	0.01879175	-0.01847882	0.07645839	-0.07645839
IFT172	0.1341489	0.02772728	0.08385298	0.08049026	0.0158691	0.03097743	-0.1359559	0.1359559
INPP5K	-0.03929842	-0.02727481	0.00532276	0.01587183	-0.0289058	-0.01790831	0.1741373	-0.1741373
FNDC5	-0.03097212	-0.1461438	0.07193568	0.06327448	-0.04792368	0.01964757	0.3354156	-0.3354156
SBDS	-0.09109341	-0.00132006	0.04542019	0.06491063	0.00920169	0.01836123	0.00407587	-0.00407587
LANCL1	-0.07423859	0.01677651	0.05530883	-0.0235469	-0.02809212	-0.01179471	-0.1223403	0.1223403
CXCL16	-0.03323606	0.1312189	0.07079217	0.01448472	0.0066086	0.06041141	-0.04057806	0.04057806
FUT2	0.03010156	0.04832987	-0.09606027	-0.1175135	-0.07901016	-0.08225101	-0.1838867	0.1838867
CHIT1	0.09368082	-0.02016118	0.05552545	-0.03081436	0.00846145	0.01866716	-0.02203897	0.02203897
NONO	0.05420845	0.06060466	0.01481346	-0.05676422	-0.00530112	0.05625856	-0.08607562	0.08607562
LRRC73	-0.02615756	0.01595014	-0.08610995	-0.0797235	-0.04770575	-0.0253715	-0.08827646	0.08827646
IFT57	0.01726819	0.04933054	0.0789843	-0.01680761	0.03872146	-0.0061421	0.0512543	-0.0512543
TMEM51	0.07658136	0.01598555	-0.07936683	-0.02359558	0.01258395	-0.03834239	0.02160295	-0.02160295
EVA1A	0.09972829	0.07223726	-0.06052832	-0.1012716	0.01045292	-0.05399406	0.07560698	-0.07560698
C6orf223	0.07221112	0.1472351	-0.01616793	-0.1129847	0.04475827	-0.02026444	-0.1351923	0.1351923
NDUFB6	-0.06406907	0.02330022	0.05092334	-0.02049218	-0.05369843	0.09376975	-0.1780858	0.1780858
NSUN5	-0.1214917	0.08999734	0.04664099	-0.06282409	0.01503753	0.03941491	-0.08930181	0.08930181
ARMCX2	-0.04429474	-0.1176761	0.09779071	0.08714499	-0.00994663	0.038368	0.3998637	-0.3998637
PWP1	-0.04881666	0.01801395	0.1318074	0.02659535	-0.01082784	0.09814714	-0.1103968	0.1103968
ALG1L	0.00172334	-0.03128526	-0.04788841	0.0750466	-0.04807278	0.06230671	-0.1183897	0.1183897
CD70	-0.06999045	0.01686729	0.02681503	0.01798232	-0.01769559	0.03013196	0.00586826	-0.00586826
BTN3A1	0.02667282	0.1475818	0.1606072	0.04867082	0.02722593	0.1052422	-0.05645403	0.05645403
TRMT11	-0.01542545	0.1316405	0.1298264	0.0470634	0.02306124	0.08228133	-0.225958	0.225958
SWI5	-0.01190834	-0.0623782	-0.1071329	-0.06222769	-0.02995079	-0.04011893	0.01677847	-0.01677847

CREB5	0.05725079	-0.04425168	0.03030521	-0.00602805	-0.00393954	-0.07707579	0.2063594	-0.2063594
SSH1	0.02716054	-0.105848	0.1413113	0.04767144	0.02818553	0.09781687	0.292187	-0.292187
RASEF	0.1332061	0.04638944	-0.03572528	-0.03749802	-0.05128491	-0.02479267	-0.2926804	0.2926804
SGSM3	0.06921783	-0.005673	-0.0643251	-0.01317214	-0.02236054	-0.04976539	-0.1635233	0.1635233
ERICH2	0.03191261	-0.04376443	-0.00282282	-0.04238923	-0.07448494	0.02139816	-0.1556675	0.1556675
SEMA4F	-0.03260845	0.03155575	-0.05065237	-0.03051496	-0.05320348	-0.01603091	0.07578288	-0.07578288
RASSF1	-0.1094315	0.133048	0.00887843	-0.03730357	0.02461552	-0.01099385	-0.07536007	0.07536007
MED22	0.01208761	-0.0059899	0.00119334	-0.02156322	-0.01066532	0.06387974	0.06010201	-0.06010201
LRRC37B	0.01478927	0.08028821	0.1019376	-0.01417316	0.05126634	0.00760969	-0.0155183	0.0155183
F2RL1	-0.03458768	0.1228901	-0.03213079	0.08631283	-0.01007332	0.0506589	-0.2262326	0.2262326
ST6GALNAC2	0.0108643	0.06693294	-0.1407139	-0.128859	0.01974222	-0.09803392	0.01284385	-0.01284385
KBTBD11	-0.02946127	0.01603532	0.1018304	0.01536817	0.01837516	0.0478335	-0.02387736	0.02387736
FGFR1	0.01528364	-0.05575694	0.00687112	-0.02293822	-0.00713502	-0.09803531	0.3784784	-0.3784784
DHODH	0.00512988	0.05779079	0.1042983	0.03906255	0.1175271	0.04301651	-0.1155914	0.1155914
CCDC69	-0.03864706	-0.1571739	0.1355682	0.06597842	0.03547676	-0.00429331	0.3487701	-0.3487701
CKAP2L	-0.1018437	0.1016724	-0.00621032	0.01972524	-0.02919479	0.05451017	-0.2780751	0.2780751
ACCS	0.1244242	0.07156597	-0.00085453	0.06385304	0.0165468	0.01807902	-0.07123446	0.07123446
UBAP2L	-0.01140845	-0.02733354	0.04754279	0.08624223	0.06238086	0.1130731	-0.05890159	0.05890159
AFDN	0.131458	0.1406754	-0.02308654	0.00418662	0.01429155	-0.00015214	-0.2380045	0.2380045
FEM1C	0.01688651	0.03520688	0.04798188	0.0170749	-0.03541372	0.03000995	-0.05333772	0.05333772
TFPI2	-0.08977027	0.04323561	-0.05755664	0.05722697	-0.01738772	-0.0075177	0.00290901	-0.00290901
MRC1	0.05087905	0.04878606	0.1457777	0.1059261	0.00043449	0.00370555	0.1263822	-0.1263822
MAPK13	0.05626312	0.1352713	-0.01668909	-0.02845667	-0.02029376	0.03764213	-0.2791035	0.2791035
TRADD	0.01317628	0.1010746	0.02244933	0.01464031	0.1061945	0.049177	0.05756167	-0.05756167
UHRF1BP1L	-0.03220895	-0.02253049	0.1603817	0.08821416	-0.00945096	0.04736525	0.04204222	-0.04204222
CFTR	0.09903034	-0.0773958	0.110104	0.06306829	0.05130696	0.07394521	-0.113106	0.113106
IFIT1	-0.01611654	-0.00862355	0.1506697	0.04433843	-0.00032678	0.00295981	0.2229019	-0.2229019
PRDM6	0.00247732	-0.1282606	0.1311192	0.1036831	-0.00912792	0.1145131	0.4578839	-0.4578839
LRRC8D	0.04301293	0.00687163	0.09262373	0.05081161	0.00509223	0.05483289	-0.2470339	0.2470339
CLSPN	-0.04736219	0.0664904	0.06538897	0.0245954	0.04141441	0.1142607	-0.2346197	0.2346197
RYR2	-0.1105837	-0.00544433	0.04585612	-0.01630673	-0.01943167	-0.02965003	0.1522827	-0.1522827
C11orf21	-0.00474982	0.03358276	0.0397016	-0.08533471	-0.01733143	0.00050409	-0.00884532	0.00884532
LDLR	0.07386155	0.103145	0.07066824	0.00593882	-0.00970707	0.07507241	-0.1982575	0.1982575
BOK	0.00294786	-0.06128088	-0.05362478	0.00405132	0.08246089	0.0674685	0.11654	-0.11654
NUDT3	-0.01022203	0.02080593	0.1221257	0.00617792	-0.03421175	0.06123421	-0.01860433	0.01860433
PRR3	-0.00711415	0.03632922	0.00703292	0.030289	0.06315729	0.03313719	0.06169275	-0.06169275
FAM204A	0.00950138	0.00789242	0.06858721	0.00857286	-0.02047571	-0.00520992	0.07722041	-0.07722041
ZNF835	-0.05596833	-0.1648795	0.08112415	0.03528732	0.0284946	0.00738469	0.3931911	-0.3931911
SLC9B2	-0.1245952	-0.09529791	0.08984212	0.02782848	0.02710471	0.0132298	-0.03427233	0.03427233
RASGRP1	-0.06001463	0.024176	0.1254369	0.00473627	-0.00865767	0.05111266	0.0691906	-0.0691906
CCDC80	0.01901903	-0.1948653	0.1760514	0.109481	0.03531676	-0.03013376	0.5650218	-0.5650218
ACBD7	0.01070298	-0.0030574	0.0405435	-0.07005435	0.00785477	-0.01006587	-0.09473912	0.09473912
SLC39A5	0.1101115	-0.03697481	-0.06634535	0.08607823	-0.02680418	0.02359714	-0.1560103	0.1560103
DXO	-0.06778468	0.09263692	-0.07344932	-0.01868908	-0.08183857	-0.01937096	-0.1846629	0.1846629
RBM7	-0.08595661	0.04172269	0.1647186	0.1021374	-0.06621711	0.06897214	-0.05558942	0.05558942
NF1	0.06228535	0.02998833	0.1105337	0.07616447	0.06810608	0.09050758	-0.07682486	0.07682486
AP1G1	0.0259525	0.1006336	0.1095206	0.08502469	0.07172504	0.1150896	-0.2716892	0.2716892
SERPINA3	0.06688759	-0.05128857	0.06903899	0.03472943	-0.01784343	-0.00242156	-0.04341871	0.04341871
LRRN2	-0.1167276	-0.06095096	0.08592029	0.05447608	-0.02973617	0.03312651	0.2684456	-0.2684456
RSL1D1	-0.07585447	0.01493942	0.1616262	0.05114974	0.08501896	0.09703845	-0.1241617	0.1241617
DHX32	0.04680324	-0.00830957	-0.07584791	-0.09508891	-0.0046678	-0.04272847	-0.07719625	0.07719625
FBL	-0.1271893	0.02029351	0.00145098	-0.02907822	0.00017562	0.0488209	-0.1494098	0.1494098
RNASE6	0.04721107	-0.1283886	0.1669695	0.08074118	0.06383204	0.03233499	0.2980994	-0.2980994
BST2	-0.05669655	0.00687781	0.09013692	-0.0275166	0.00923494	0.08652729	0.07304617	-0.07304617
HRCT1	-0.05573772	-0.03838337	0.02732503	0.05316056	-0.0020905	0.04995845	0.06359522	-0.06359522
RIN1	-0.08197081	0.1383935	0.03874073	-0.08834773	0.09065282	0.01732374	-0.09775791	0.09775791
MKKS	0.03406737	0.1092603	0.01649361	-0.05159714	-0.08231741	-0.03927194	-0.1947066	0.1947066
PTGES3L	0.00014198	-0.06596304	0.03042919	-0.09207972	0.03602091	-0.06144855	0.1622773	-0.1622773
CSTB	0.01731523	-0.01656822	-0.1494008	-0.06564952	-0.01476324	-0.07033034	-0.06946426	0.06946426
ZMYM2	0.05331932	0.01665969	0.1109687	0.1101747	-0.01308853	0.1387882	-0.1178342	0.1178342
EVL	-0.02085006	-0.08743055	0.1595868	0.05422682	0.04863574	0.06462928	0.3564577	-0.3564577

PDK4	-0.0721566	-0.0964703	0.0580049	0.06896233	0.01905028	0.0267788	0.1453547	-0.1453547
STRN	0.04608324	0.09983609	0.07689025	0.00697638	0.04119848	0.01548174	-0.2045963	0.2045963
ENGASE	0.0605841	0.08106041	-0.07093066	0.03461225	0.01373901	0.06528449	-0.1289195	0.1289195
PMPCA	-0.07035632	0.09268501	0.01169027	-0.02031938	-0.01033184	0.05161227	-0.2283207	0.2283207
EIF2AK4	0.0632599	0.02964667	0.2280895	0.0975855	0.02517113	0.1220896	-0.04318582	0.04318582
MEX3B	0.07941486	-0.04324375	0.05228016	0.03232993	0.01765705	-0.00754351	0.457401	-0.457401
PIGL	0.04843477	0.1372324	0.02734175	0.03021157	0.05221113	-0.05436893	-0.09044207	0.09044207
ATF6B	0.02374939	0.06009036	-0.04387968	-0.00813044	0.006822	-0.00130756	-0.0913944	0.0913944
PFKL	-0.01744777	0.1107612	-0.04685171	-0.0285929	-0.01618195	-0.02686364	-0.08443321	0.08443321
PKP1	0.02490075	-0.00599632	-0.1800859	-0.08641828	-0.03001452	-0.07768806	-0.08097506	0.08097506
AKAP1	0.03826018	0.1250171	0.0450278	0.01455484	0.0712545	0.00870741	-0.2619371	0.2619371
IFT20	0.00789975	0.04632729	0.03775666	0.04436832	0.03006949	0.01476468	-0.09047211	0.09047211
SGSM1	0.03291004	-0.02084176	0.04208486	-0.00391962	-0.02400796	-0.02670555	-0.01200448	0.01200448
AL136295.5	-0.04319647	0.0080656	0.1127236	0.1505666	-0.01021469	0.1256366	-0.03859748	0.03859748
ACAD10	0.1349554	-0.01880358	-0.00205718	-0.00852012	0.04126621	-0.03085785	-0.100203	0.100203
SAP30BP	-0.05534337	0.05606133	-0.0089427	-0.02213991	0.1087607	-0.0275616	0.00519492	-0.00519492
CLDN14	-0.00973716	-0.03407434	0.06092793	-0.1215837	-0.0068689	0.05054959	0.2253947	-0.2253947
DPYSL2	0.05483072	-0.04721485	0.177777	0.06878553	0.0412169	0.06396861	0.336114	-0.336114
SAC3D1	-0.09724573	0.07385066	-0.00157344	-0.079937	-0.00961747	0.03420624	-0.08901199	0.08901199
DEPP1	-5.48E-05	-0.08840049	0.0833331	0.03088632	0.0256224	0.01680798	0.4624299	-0.4624299
EMC1	0.006219	0.03153643	0.0358524	0.09378033	0.07438366	0.08240627	-0.09630654	0.09630654
MS4A8	0.02736684	-0.03540709	-0.0133548	0.05583311	-0.03579756	0.04779136	-0.00541296	0.00541296
UFM1	0.04660029	0.1682425	0.1175757	0.03134178	0.03608358	0.1325417	-0.1966563	0.1966563
TLE1	0.0182285	0.04718074	0.04788587	0.02363724	0.00793899	0.03349609	-0.07020156	0.07020156
SEPTIN4	-0.06016822	-0.09335125	0.1303164	0.07438029	0.03375117	0.06531643	0.5544412	-0.5544412
IGFBP5	0.05717147	-0.08872735	0.1408351	0.04463265	-0.02258623	0.03365158	0.4664296	-0.4664296
RPL28	-0.08271965	-0.08178923	-0.09257822	-0.04765255	-0.04413295	-0.00861654	0.1038099	-0.1038099
PHF11	-0.00085003	0.07774168	0.1323596	0.04208537	-0.00154996	0.0673599	0.07486728	-0.07486728
UROS	-0.00085782	-0.04585763	-0.01991119	-0.01703881	0.00929314	0.01898109	0.05896086	-0.05896086
NUP214	0.02582563	0.00550384	0.04036843	-0.00372739	0.00210086	0.07966391	-0.04895403	0.04895403
PRKCSH	0.02327469	-0.00772181	-0.03238035	-0.1085933	-0.03354999	-0.02641026	-0.09990169	0.09990169
TMEM45B	-0.02429675	0.2117233	-0.00891242	0.05284296	0.00351054	0.00639971	-0.4009923	0.4009923
RGS11	-0.05123386	-0.1022222	0.06462089	0.1031792	-0.00921606	0.1123209	0.1453945	-0.1453945
SPON1	-0.02938926	-0.1822243	0.1425117	0.1111902	0.04847863	0.00415512	0.448049	-0.448049
LRCH1	-0.00231371	0.02693681	0.2201215	0.03858545	0.09505673	0.1157269	0.04712203	-0.04712203
WTIP	-0.03546759	-0.1009387	0.0405754	0.07140289	0.06563114	0.04265965	0.4073098	-0.4073098
RAD21	-0.05814587	0.1419843	0.08584686	0.03193136	-0.02253351	0.06220057	-0.2690771	0.2690771
ZNF229	-0.04007329	-0.01285111	-0.01133777	0.00381509	-0.00097807	0.01946956	-0.03102076	0.03102076
CKMT1B	-0.0852154	0.07985125	-0.0548888	0.08000796	-0.08616721	0.01927121	-0.2622121	0.2622121
NEDD1	-0.05624762	-0.00853944	0.1452399	-0.00262338	-0.0164855	0.08190739	-0.08433161	0.08433161
SMARCAD1	-0.00624277	0.108278	0.0943426	0.1116736	0.04789558	0.1058936	-0.1741334	0.1741334
HSPB11	-0.1091072	0.06346179	-0.04644838	-0.07536446	-0.02979919	-0.05179312	-0.0448125	0.0448125
ZNF689	0.00331405	-0.00915558	0.04563744	0.0809912	0.09293808	0.07118515	-0.03720918	0.03720918
LY6D	0.05860471	-0.02370614	-0.1767933	-0.0404618	-0.03262896	-0.04809613	-0.0377416	0.0377416
TBCCD1	0.01105442	0.00781627	0.09604317	0.00341461	0.01023202	0.05914007	-0.03500028	0.03500028
CD83	-0.04728736	-0.06465893	0.06297496	-0.0050779	0.00096349	0.01203554	0.1078167	-0.1078167
ZMYM4	0.0122352	-0.01797381	0.113212	0.1139165	0.09827569	0.06887849	-0.04151868	0.04151868
SUCLA2	0.0583873	0.0603302	0.06180331	0.06049769	0.04843592	0.08251836	-0.2363291	0.2363291
TWF2	-0.07548978	0.05145879	0.0202573	-0.02943643	-0.03927669	-0.03084941	0.08299551	-0.08299551
BDP1	0.02917559	0.01878453	0.2026	0.1365311	0.00809752	0.1840743	-0.03982188	0.03982188
ARFGAP2	0.1081941	0.00184126	0.02892179	0.02023012	-0.00219014	0.06917294	-0.07376228	0.07376228
GTF2H2	0.07417018	-0.00749379	0.0965726	0.1638666	-0.07117913	0.08745519	-0.03430156	0.03430156
MIER3	-0.00392624	0.103445	0.1651746	0.08026709	-0.04453487	0.1106166	-0.1910955	0.1910955
ERO1A	-0.12707	0.1086233	0.08549143	0.009407	0.06296275	0.0547371	-0.2015213	0.2015213
PLEKHB1	0.05154509	-0.01662877	-0.1515992	-0.03960621	-0.04306918	-0.07267485	0.01416945	-0.01416945
TIMM23	-0.08059643	0.03189664	0.0197028	-0.09178495	0.02354527	0.00034832	-0.1409075	0.1409075
MAP4K2	-0.0480005	0.06227876	-0.06377202	-0.02791045	-5.79E-05	-0.0546831	0.02871678	-0.02871678
TRIM56	0.08820874	-0.00296743	0.1015277	0.07533292	0.05135687	0.09098774	0.07158989	-0.07158989
APLP1	-0.09052492	-0.03140751	-0.1481225	0.0615018	-0.04965918	0.04190868	-0.01947684	0.01947684
KLHL28	-0.04979715	0.08441939	0.1589474	0.08366629	0.01925618	0.08773188	-0.05560287	0.05560287
AGPS	-0.05212799	0.05280535	0.1795182	0.1236814	0.00792414	0.1151855	-0.126698	0.126698

RNF208	-0.07583908	0.129858	-0.1188209	-0.09181578	-0.00902031	-0.03559438	-0.05626254	0.05626254
PTPN9	0.0998147	0.01427751	0.1166112	0.07067584	0.02200024	0.08815524	-0.0215829	0.0215829
TMEM150C	-0.03656825	-0.03857935	-0.06584236	-0.1343502	0.03651206	-0.1418519	0.050117	-0.050117
LAMTOR1	-0.00377512	0.05714845	0.03489531	-0.01226034	-0.04041235	0.00760143	0.05840847	-0.05840847
PGLS	-0.04818578	-0.03781437	-0.00729309	-0.02769636	0.01525519	0.03174999	0.06281556	-0.06281556
OTULINL	0.0178785	0.1264685	0.01683637	0.02278364	0.02235584	-0.006832	-0.112857	0.112857
LMF2	0.00851571	0.01544525	-0.03429038	0.0258523	0.03122983	0.01186265	0.01686199	-0.01686199
COBLL1	0.02595567	-0.00197561	0.09005751	0.03827804	-0.01776998	0.03665143	-0.1992835	0.1992835
C7orf26	0.0800325	-0.02730215	0.03372196	-0.05185367	0.02870061	0.01310626	-0.02846205	0.02846205
RBM5	0.05399098	0.0374025	0.08765099	0.1205568	0.01058977	0.1152109	-0.07528651	0.07528651
USP33	0.03159374	0.05080447	0.1616424	0.06590456	-0.03493038	0.07974761	-0.1781043	0.1781043
ZNF283	-0.06952835	-0.09445057	0.09333785	-0.04070942	-0.02137003	0.060191	-0.05441996	0.05441996
DYNLT1	-0.01040522	0.07054171	0.04268068	-0.0051424	-0.03761741	-0.02951303	-0.1219598	0.1219598
LRMDA	0.07480756	-0.1700517	-0.00507121	0.02081592	-0.06270283	0.00320577	0.1664401	-0.1664401
C20orf27	-0.01211933	-0.03078345	0.00417018	-0.072259	-0.0484222	-0.07278871	0.02364608	-0.02364608
ATF6	0.00303266	0.00844978	0.1295001	0.06316127	0.07431193	0.03843809	-0.04730119	0.04730119
SLC25A3	-0.04386565	-0.02610955	0.04195101	0.00493893	-0.02599491	0.07895026	-0.1969043	0.1969043
CDK5RAP1	0.06878084	0.1133109	0.06178416	0.07423108	0.01242766	0.09731542	-0.2156154	0.2156154
VBP1	0.02016384	0.09820868	-0.00262708	0.01056921	-0.04649541	0.01083198	-0.2246782	0.2246782
MYO10	0.1746891	0.08423577	-0.07158655	-0.04298106	0.01277725	-0.0135513	-0.09287646	0.09287646
ASPDH	0.07139223	-0.06192637	0.02020618	0.04911322	0.08019629	-0.02890652	0.1559759	-0.1559759
PAPLN	0.01425054	-0.1158985	0.08975235	0.07767072	0.02735523	0.07771316	0.3445239	-0.3445239
CCZ1B	-0.01181377	0.02469894	0.2252649	0.06033836	0.02355994	0.06890353	-0.1167401	0.1167401
ZNF573	-0.01203838	-0.08411544	0.1879968	0.06458348	0.01349075	0.1144487	0.0717085	-0.0717085
CCNH	-0.02535959	0.06162133	0.1163437	0.06295261	-0.01044849	0.0869719	-0.02592967	0.02592967
EFCAB11	-0.01732621	0.07902689	0.00767846	-0.01373666	0.02928915	0.07432808	-0.2555067	0.2555067
NPIP11	0.078473	0.1047176	0.03515398	0.08350481	0.104187	0.00642066	-0.00513323	0.00513323
ATP6V1C2	0.02086791	0.08692914	-0.04914405	0.01770969	0.0138569	0.08043693	-0.1192092	0.1192092
EPHX3	-0.00540426	-0.1016527	-0.1680176	-0.07299365	0.0634753	-0.05273487	-0.0410403	0.0410403
C8G	-0.02717596	0.04716269	-0.05560328	0.0454936	-0.04778854	-0.0016748	-0.02894222	0.02894222
SNCA	-0.04850576	-0.0160938	0.06199249	0.00778087	0.06860994	0.01703124	0.1508272	-0.1508272
NUMB	0.0449677	0.06911281	0.1096109	0.05071242	0.06835194	0.09970041	-0.1337571	0.1337571
STARD3NL	0.04712303	-0.01909886	0.09065674	0.06129943	0.01869157	0.0201646	0.02120533	-0.02120533
MAN2A1	0.05485008	-0.00056894	0.1278178	0.1394577	0.00112705	0.1000509	-0.1418447	0.1418447
WASF3	-0.03015921	-0.05305926	0.00547454	0.07770861	-0.02753882	0.0321929	0.1257298	-0.1257298
DCAF15	0.04959796	0.05699876	-0.1241628	-0.0593405	0.05166746	-0.03888452	-0.09589712	0.09589712
SERPINB1	-0.06792811	-0.038631	-0.02978451	-0.03072278	-0.02526502	0.00068052	-0.1927546	0.1927546
TIMM17A	-0.06255605	0.1061609	0.1002972	0.05556609	0.01376297	0.07311934	-0.2700305	0.2700305
PRICKLE2	-0.02316468	-0.1464587	0.09508135	0.0396176	0.00276975	-0.02131636	0.4198262	-0.4198262
NUP43	-0.03066312	0.07015979	0.1302721	0.04020983	0.05492551	0.09895864	-0.2432756	0.2432756
ORC4	-0.04892467	0.1087212	0.1378067	0.06261844	0.0251074	0.09573027	-0.220392	0.220392
ZNF335	0.09958201	0.04432463	0.04231069	0.06685729	0.05114146	0.07828995	-0.1494088	0.1494088
SLC66A1	0.0338655	-0.00902399	-0.1320571	-0.06751795	-0.01656714	-0.03249512	-0.027505	0.027505
ARMC9	0.02560088	-0.154368	0.2071598	0.06487806	-0.04670013	0.09591267	0.4269794	-0.4269794
TUBGCP3	0.04372836	0.06917664	0.0837893	0.05238829	0.03124246	0.0941071	-0.07760956	0.07760956
PIAS3	0.05931749	0.02011001	-0.03201623	-0.01362053	-0.01472326	-0.02578784	0.06640887	-0.06640887
UBA5	0.00893824	0.03524109	0.1269338	0.1067686	-0.06584975	0.1066204	-0.1665363	0.1665363
SPEG	-0.04069376	-0.1466341	0.08635407	-0.00049281	0.01064754	-0.02219627	0.3167971	-0.3167971
PAPOLA	0.00642535	0.07134741	0.1285384	0.08473014	0.01712756	0.1232143	-0.2865557	0.2865557
ISL2	-0.07963604	-0.06447073	0.1730383	0.09525554	-0.00145436	0.04072534	0.2708255	-0.2708255
AK8	0.05863978	0.01014341	0.04240968	-0.0223817	0.00476843	0.00099584	-0.04262417	0.04262417
RIPOR1	0.02029377	0.00609309	0.1121581	0.01413129	0.08315807	0.05593944	0.3080315	-0.3080315
RAB7B	-0.02054884	-0.04117717	-0.01814356	-0.01906401	0.01147426	0.00712757	0.1905714	-0.1905714
ACKR3	0.07340172	0.03187656	0.00269436	0.03148352	-0.01000732	-0.01112239	0.2628053	-0.2628053
INO80	0.06127806	0.0697426	0.1347066	0.07717689	0.1069137	0.129101	-0.1136767	0.1136767
IGLL5	0.0436571	0.05558847	0.03811758	0.1054163	-0.03671722	0.1055026	0.05688209	-0.05688209
DDC	0.02671953	0.04490999	0.00112058	0.02053706	-0.00996805	-0.01196989	-0.1983022	0.1983022
PLS3	0.0030877	-0.02351769	0.156212	0.00273314	-0.02153533	0.06754121	0.1399307	-0.1399307
GJB4	0.04907443	0.00339872	0.05304327	0.00274799	0.09592404	0.07580178	-0.00225823	0.00225823
LNX1	0.1416219	0.07162647	-0.1530366	-0.08795394	-0.06845665	-0.05465122	-0.2665728	0.2665728
B4GALT1	0.02690571	0.04978612	-0.00267481	-0.0001764	-0.01958686	0.07052935	-0.09227163	0.09227163

PLCXD1	-0.05120348	0.06201958	0.04562334	0.02008607	-0.04451441	0.07834317	-0.1787124	0.1787124
ASCC3	0.0232769	0.1306518	0.1151513	0.1261365	0.06324665	0.1085788	-0.2525404	0.2525404
TTC13	0.05704822	0.05027195	0.1083673	0.05254692	0.08588263	0.1184819	-0.2357679	0.2357679
PANK1	0.06149708	0.05131779	0.02318479	-0.06653644	-0.03477455	0.00588987	-0.2655844	0.2655844
TIGD2	0.01413093	0.04549735	0.05467374	0.07486543	0.04957534	0.1097908	-0.1924938	0.1924938
EMX1	-0.06373565	0.0557739	0.05171593	-0.03595244	-0.0855341	-0.041314	-0.03134631	0.03134631
ZNF275	0.01698109	-0.01846829	0.10852	0.05430411	0.01890949	0.1124076	0.01578954	-0.01578954
ADAM10	0.02619964	0.1069267	0.1213671	-0.00070771	0.09078881	0.05422393	-0.1860717	0.1860717
FOS	0.0403505	-0.03033369	0.03745242	0.01383931	0.1142199	-0.0775603	0.06758876	-0.06758876
PRR22	0.01502302	0.03167725	0.02679056	-0.03655382	0.01420486	-0.01131106	-0.1700083	0.1700083
SETMAR	-0.08792706	-0.0756523	0.00785297	0.02491462	0.04200772	-0.03013044	0.1324903	-0.1324903
DSE	-0.05963699	-0.0617809	0.1423493	0.09483002	0.01168389	0.03367278	0.3812887	-0.3812887
GPRC5A	-0.0528768	0.1153236	0.09834667	0.0052019	0.00428606	0.07805077	-0.1477219	0.1477219
MAFF	0.03536015	0.1035679	-0.01341258	-0.05517735	-0.02723237	-0.02171377	0.03136524	-0.03136524
MRPL1	-0.05524424	0.02531997	0.05399337	0.02377144	-0.03503226	0.04657319	-0.1601905	0.1601905
ARHGAP8	0.06815398	-0.0079798	0.03113457	0.03437923	0.0764169	0.04908	-0.1159536	0.1159536
MCU	-0.09373426	0.06030038	-0.02092555	0.04505304	-0.04754622	0.05697179	-0.2224282	0.2224282
FBXW4	0.01341374	-0.08351266	0.01682895	-0.01637244	-0.0036678	-0.01788553	0.09046049	-0.09046049
PEX6	0.07493902	0.07430883	-0.1790249	-0.03932481	0.01213663	-0.09471862	-0.08898486	0.08898486
ULBP2	0.01879638	0.09727473	-0.09384057	-0.00393003	0.02536993	0.04950201	-0.08662986	0.08662986
IMPDH1	-0.09830098	0.09234545	0.02532911	0.00485287	0.04044746	-0.00790087	-0.1545561	0.1545561
SLC39A8	0.0074764	0.07783162	-0.02149157	-0.01638201	-0.01492175	-0.01440433	-0.06207812	0.06207812
VWA5A	0.01658629	0.06724121	-0.04893573	-0.05775691	0.0214119	-0.0848491	-0.03505458	0.03505458
UNC5C	0.04007069	-0.05470823	0.1053144	0.10273	-0.07304057	0.0384622	0.1748168	-0.1748168
MTTP	0.06370106	0.06281267	-0.00617711	0.09654412	0.01651524	0.04981265	-0.1277707	0.1277707
YTHDF1	0.04944301	0.08330694	0.04118015	0.03537561	0.06126614	0.08431448	-0.1672712	0.1672712
DPY19L4	0.05165181	0.05544495	0.07122098	0.09859479	-0.02452976	0.05482993	-0.1505445	0.1505445
SEN2	0.04481057	-0.04062864	0.07603129	0.0368828	-0.00386546	0.06958669	-0.1043437	0.1043437
CYFIP2	-0.102157	-0.05338239	0.04600372	0.06198395	0.00940901	0.08997619	0.07963174	-0.07963174
ARHGEF11	0.07064806	0.012148	0.0764722	0.03512992	0.00475926	0.06960932	-0.1271543	0.1271543
GOLGA1	0.01362403	0.06548713	0.04650007	0.01858299	-0.012237	0.05376541	-0.1127662	0.1127662
SLC1A3	-0.02751278	0.00013646	0.1273149	0.06990105	-0.03986494	0.03680548	0.1099393	-0.1099393
HAAO	-0.01687898	0.06710593	0.00873711	-0.05916865	-0.01329938	-0.02705462	-0.105825	0.105825
CARM1	-0.06096294	0.06130933	0.02398064	-0.1183564	0.0359503	-0.01422008	-0.09554252	0.09554252
NCBP1	-0.01734111	0.07087991	0.09176813	0.02413528	-0.00154207	0.09398516	-0.1901863	0.1901863
DNAH1	0.06190548	0.129746	0.02316377	0.00770225	0.1753136	0.05440667	-0.04506717	0.04506717
TEX101	-0.04994729	0.03779791	-0.04211948	-0.1185047	-0.07836011	-0.06386194	0.08937016	-0.08937016
IL18R1	-0.00256575	-0.00235153	0.1435392	0.03089188	-0.00262566	0.06500321	-0.06212815	0.06212815
ATG3	-0.00855581	0.08891698	0.05471903	-0.02290823	0.00574577	0.05882391	-0.1520011	0.1520011
MRPL13	-0.04656222	0.1467026	-0.00971115	-0.01525267	-0.03385251	-0.00133072	-0.2157678	0.2157678
CYSLTR2	0.04574711	0.02324343	0.1997734	0.07915346	0.04991905	0.1089049	0.1237649	-0.1237649
AUH	-0.07581042	0.09905743	0.0358859	0.00049672	-0.04752306	0.02515162	-0.2304424	0.2304424
WIZ	0.03778195	-0.05302396	0.0511031	0.01068371	0.1228928	0.04043347	0.04288723	-0.04288723
GIMAP2	0.00655693	0.03678435	0.1589434	0.0402123	0.05935187	0.03513954	0.1321554	-0.1321554
HIST4H4	-0.04883602	-0.02654733	-0.02662509	-0.02749779	-0.03000029	-0.00995139	-0.06110257	0.06110257
YTHDC1	0.00893209	0.05788905	0.1097554	0.07383621	0.0445977	0.08470037	-0.1295277	0.1295277
SRP19	-0.01686206	0.1114712	0.1073193	0.08089939	-0.06583321	0.08032106	-0.09424018	0.09424018
LRRC34	0.00397583	-0.02487534	0.08552955	0.00438688	-0.01916467	0.02842093	0.03392339	-0.03392339
DDX31	-0.00729794	0.08438929	-0.000968	-0.07440166	-0.01273694	0.03350525	-0.1996583	0.1996583
MAP2K1	-0.01872003	0.06287512	0.00866124	-0.04836235	-0.02161311	-0.00782921	-0.08927929	0.08927929
ELP3	-0.07217191	0.06203551	0.02643992	-0.02137407	-0.00022742	-0.07811076	-0.108709	0.108709
FCGR3B	-0.00867967	0.06308679	0.04614031	0.03869274	-0.05683554	-0.08651071	0.01947129	-0.01947129
SUPT3H	0.07909561	0.00618559	0.05511653	0.05023447	0.04677305	-0.00628951	-0.01073637	0.01073637
MAGI2	-0.02033371	-0.1778526	0.1297181	0.05961257	0.04673277	-0.03225231	0.4601891	-0.4601891
ST7L	0.03254109	0.02969003	0.06337288	-0.03669072	-0.02028411	-0.0362122	0.00642918	-0.00642918
USP19	-0.01510817	0.02993294	0.05749216	0.0313913	0.00176826	0.06729753	-0.06375159	0.06375159
HAGHL	-0.04886567	0.09193873	0.09621703	0.05079801	-0.01862668	0.05570369	-0.03532227	0.03532227
TSPYL2	0.00281054	-0.1199997	0.04675088	0.01933933	0.02125734	0.01382869	0.302945	-0.302945
TGFB2	-0.01785956	-0.074559	0.03236642	-0.03205276	-0.046976	-0.04731641	0.2659682	-0.2659682
PAM16	-0.06053207	0.1299121	0.05762867	0.03643051	0.03367156	0.09422304	-0.1135256	0.1135256
HERC4	-0.05840572	0.06441865	0.1520707	0.09923615	-0.02778856	0.1172941	-0.1143584	0.1143584

VDAC3	-0.1604306	0.03728206	-0.02108476	-0.04346907	-0.06405309	-0.0729921	-0.1893105	0.1893105
ZNF503	0.0866332	-0.0732314	0.02456402	-0.0052287	-0.09226873	0.052291	0.1754795	-0.1754795
RAD23B	-0.04810097	0.0227764	0.0328892	-0.05654358	0.02180114	0.01488881	-0.09767298	0.09767298
SMIM7	0.0683332	0.01678846	0.0682895	0.01285661	0.06326194	-0.00979693	0.05934166	-0.05934166
GNPDA2	0.00982976	-0.02044618	0.1012483	0.05075955	-0.01247826	-0.02915769	0.2723302	-0.2723302
NDUFA7	-0.1029788	-0.0259125	-0.02296329	-0.08930964	-0.05797897	-0.02267218	-0.05178945	0.05178945
KIF3B	0.1251072	0.04799346	0.09520257	0.04725835	-0.01434506	0.08289602	-0.1495854	0.1495854
DNM3	-0.00981335	-0.08109497	0.0130508	0.1351223	0.02387247	0.07233816	0.1628049	-0.1628049
CAB39	0.02857258	0.05013875	0.1127252	0.08525823	0.01422193	0.0978791	-0.1788796	0.1788796
HIST1H3D	-0.09129781	-0.07139785	-0.08733804	0.02340324	-0.04852874	0.03239893	-0.04679634	0.04679634
CSNK1E	0.04764356	0.04742972	0.04159481	-0.04673102	0.04566529	0.0399097	0.1663399	-0.1663399
ZNF668	-0.04231346	-0.01283112	0.06417158	-0.01731814	0.03069207	0.03578905	0.183558	-0.183558
ZNF704	0.05416373	-0.08338085	0.03483505	-0.02275638	-0.02180849	0.03602129	0.08776447	-0.08776447
HIST2H2AAA4	-0.07626029	-0.01126243	-0.1011788	-0.03510499	-0.04856062	-0.04398411	0.00168918	-0.00168918
GAL3ST1	-0.03432451	-0.03710351	-0.03436691	-0.03729159	0.06288875	0.01427415	-0.09590438	0.09590438
XPO7	-0.09286741	0.06249076	-0.01424829	-0.05632145	-0.05060832	-0.06867924	-0.123637	0.123637
TRERF1	-0.03100329	0.0427977	0.02569717	0.01936808	0.02685757	0.06079275	-0.05721212	0.05721212
SCAND1	0.01318912	0.00821091	-0.03980615	-0.03082043	-0.06067887	0.00472621	-0.03123873	0.03123873
ZNF678	0.0660465	0.04870723	0.1006789	0.09463738	-0.0001095	0.0880264	-0.1423246	0.1423246
KIAA1324L	-0.07632261	-0.01464805	0.02105308	0.07912052	0.01989581	0.07971461	0.09769931	-0.09769931
ATXN3	0.05105748	-0.05075028	0.1649118	0.1301217	0.04444213	0.08192688	0.1129099	-0.1129099
TM4SF20	-0.01954651	0.02694021	-0.06940406	0.00667066	0.04516316	-0.01364279	-0.1980719	0.1980719
CHRNA1	0.06788601	0.00790698	0.01534647	-0.00828343	-0.02515183	-0.0587874	0.1038232	-0.1038232
RAB40C	0.05172835	0.05377775	-0.0920746	-0.06987296	-0.01512934	-0.07278094	-0.09560905	0.09560905
MAP10	0.03034002	-0.05977292	0.06102724	0.06875391	0.00858151	0.06281583	0.01416849	-0.01416849
FAM53A	0.00294157	0.00603961	-0.1218192	-0.01256931	-0.00136674	-0.04300913	-0.01828826	0.01828826
BCLAF1	-0.01682235	0.06499433	0.1482413	0.09324458	0.00504793	0.1173847	-0.1694162	0.1694162
RRP8	-0.07892045	-0.06565025	0.1121688	0.02924441	-0.00106974	0.1360599	0.04193842	-0.04193842
KCNJ12	-0.05022231	-0.07107593	0.05329667	0.05385925	-0.05398163	0.1034613	0.09319821	-0.09319821
YIPF4	0.0587015	-0.00382637	0.1487733	0.09593181	0.04150733	0.06602373	0.02002578	-0.02002578
RTL8A	-0.08312324	0.05970976	-0.03324856	-0.00066348	-0.00492042	-0.03330344	0.1087032	-0.1087032
KAZALD1	0.09512408	-0.01782079	-0.09347405	0.00248643	-0.1213574	0.01486735	-0.261296	0.261296
C1QL1	-0.00866586	-0.1282423	-0.05331215	0.05742349	-0.01817824	0.01080756	0.11776	-0.11776
HCFC1	0.05039472	-0.01687904	0.1147398	0.05260972	0.01570479	0.1288788	-0.1014835	0.1014835
TNFSF9	-0.06431262	0.01575076	0.1021883	-0.04552922	-0.00539503	-0.0042137	-0.01740397	0.01740397
ETFBKMT	-0.1036119	-0.02493957	0.01798595	0.05509381	-0.01517631	-0.01227764	0.03055373	-0.03055373
MDK	0.09427755	0.1086407	-0.03819556	0.0230473	-0.03567103	0.02093699	-0.1038654	0.1038654
PDHX	0.06142502	0.05310373	0.1603279	0.03380433	-0.01520317	0.03971254	-0.138384	0.138384
LHFPL3	-0.03380044	0.07147474	0.03907082	0.07188243	0.00944764	0.01823533	-0.09226382	0.09226382
HLA-E	0.08427549	0.0517543	0.1070201	0.04028922	0.00652162	0.05959442	0.09252465	-0.09252465
PTK2	0.03994588	0.1121738	0.02556891	0.0073717	-0.01843058	0.01318534	-0.1399217	0.1399217
LSR	-0.04494322	0.03960163	-0.1066786	-0.0258678	0.04298137	-0.03183882	-0.08371987	0.08371987
ARCN1	-0.05759563	0.06348305	0.1177453	0.09234742	-0.08601169	0.08907723	-0.1820886	0.1820886
CDK5	-0.03002426	0.05193847	-0.0086047	-0.1529713	-0.04090001	-0.09632319	-0.1382971	0.1382971
HSBP1	-0.0719304	0.0428554	0.1239393	0.06258504	0.04828678	0.06894168	-0.1600527	0.1600527
LDOC1	0.03030695	-0.1171667	-0.00162433	0.03028518	0.07464043	0.0120393	0.3387844	-0.3387844
ZNF25	0.00162486	-0.1257145	0.1749508	0.06111094	0.04236119	-0.01689041	0.417142	-0.417142
RIN3	-0.02627723	-0.09916636	0.1643052	0.01283531	0.06633278	0.09895959	0.3539778	-0.3539778
PDIA2	0.01488981	0.01728136	-0.03530615	-0.00563371	0.02149042	0.06073938	-0.02406095	0.02406095
CNIH2	0.04741092	-0.07593903	-0.06000345	0.02459541	-0.02816696	0.014382	0.07356805	-0.07356805
BTBD6	-0.00752121	0.06344404	-0.068912	0.00326328	0.00500347	0.01466458	-0.1380544	0.1380544
PPT1	-0.02333878	0.012348	0.1769888	0.06237091	0.05926113	0.01739005	0.1145779	-0.1145779
DDX24	-0.0331646	-0.06198654	0.1483318	0.1052817	0.1066386	0.1212323	0.1185502	-0.1185502
VASH1	0.09612813	-0.0462815	0.1280147	0.04785811	0.06288584	0.1117602	0.368265	-0.368265
METTL25	0.00391059	-0.0043642	0.1465096	0.1195746	-0.03036566	0.07015735	-0.06065369	0.06065369
CA13	0.1367929	-0.04186961	0.07879671	0.0396624	0.01234115	0.09593146	-0.221288	0.221288
TAC3	0.0065192	-0.1039551	0.00498613	-0.03204541	-0.01782418	-0.04638638	0.07403126	-0.07403126
DCDC2B	0.06919762	-0.04863051	0.01923779	0.05960063	0.03970865	-0.03017768	0.1416171	-0.1416171
DNAAF4	0.08343069	0.05201707	0.02088467	-0.00877998	-0.03626593	-0.0010715	-0.127145	0.127145
AP3B1	0.07005597	0.0369044	0.1081889	0.1035223	-0.05434526	0.1174994	-0.1216221	0.1216221
GAL	-0.1791532	0.03567171	0.00780487	0.05760481	0.03866594	0.07885248	-0.07118264	0.07118264

SEC24C	-0.00367743	-0.00907376	0.01710481	0.07268552	-0.05145034	0.1168187	-0.08453198	0.08453198
CNNM3	0.03569917	0.02620439	0.02273187	0.05859876	0.00261834	0.06921355	-0.1523709	0.1523709
MUC17	0.04394752	0.03147034	-0.02687934	-0.06409211	-0.00907599	-0.04878621	-0.152809	0.152809
MRPL57	-0.1170648	0.02299756	-0.04654569	-0.07285492	-0.05578014	0.00912536	-0.07667617	0.07667617
LPAR6	0.1101781	-0.04893015	0.1262189	0.04801207	0.0831746	-0.04718685	0.1381253	-0.1381253
CYREN	0.07397775	0.05251253	0.03879913	0.02050095	0.04207547	0.03837898	0.04596324	-0.04596324
METAP1	-0.01496745	0.1418719	0.00523666	0.03623023	0.02412922	0.06555214	-0.2902001	0.2902001
AMN1	-0.05681244	-0.01748851	-0.01069349	0.05704137	0.02145062	-0.04738342	0.08760003	-0.08760003
DDX28	-0.02995047	0.1150161	0.05365518	-0.01613421	0.1151249	0.05887068	-0.2614641	0.2614641
TXNDC17	-0.05822387	0.02134144	0.00800419	0.0388634	-0.06739395	0.04933701	-0.2482287	0.2482287
CFL1	-0.02467003	0.06137494	-0.06930843	-0.02131707	0.04456258	0.04310787	-0.03581545	0.03581545
BSG	-0.06480397	0.08207607	0.01218458	-0.05828404	-0.04339041	-0.04987591	-0.07367042	0.07367042
KHDRBS1	-0.03148161	0.06858008	0.03144451	-0.00643175	0.02958472	0.04183659	-0.1364022	0.1364022
FOXRED2	0.02026153	-0.04984426	0.05361572	-0.04857221	-0.02907701	0.0406143	-0.06400813	0.06400813
NBPF12	0.0299539	-0.06474038	-0.03097381	0.06016835	0.03509197	0.02971772	-0.04806601	0.04806601
ALDH1L2	-0.06246748	-0.05896954	0.1561052	0.05848318	-0.01993461	0.02321086	0.1642227	-0.1642227
ACE	0.03507172	0.03854923	0.04534461	0.01401551	0.03085221	0.09450723	-0.08520883	0.08520883
SPATC1	-0.04464351	0.06336597	-0.02151121	0.1018137	0.03512929	0.02931883	0.03729385	-0.03729385
VSIG10	0.04570699	0.1142146	0.0148319	-0.02037848	0.09512506	0.03000493	-0.1784602	0.1784602
MKS1	-0.0135523	0.08211267	-0.01391061	-0.04092371	0.04159241	-0.00899255	-0.162864	0.162864
C9orf24	-0.06597941	-0.00869938	-0.02868206	-0.03190539	0.04209664	0.05347639	-0.02576701	0.02576701
NAA40	0.01737278	0.06863402	0.02908758	-0.01284665	0.02670238	0.05168811	-0.2150728	0.2150728
APCDD1	0.09444854	-0.03066821	-0.1076974	-0.1095787	-0.04636793	-0.1006594	-0.01451936	0.01451936
DNASE2	-0.00821515	0.06263818	0.0921109	-0.07268347	-0.02238871	-0.04928674	0.1012469	-0.1012469
ZNF160	-0.01712719	-0.01860583	0.1575458	0.09694274	0.02215811	0.08427801	-0.01527364	0.01527364
MDP1	0.06945204	-0.04776715	-0.00867813	0.01461541	-0.05483351	0.09055233	0.2103577	-0.2103577
PLEKHG6	0.03573293	0.09204505	-0.1066673	-0.07822271	-0.00929167	-0.01449847	-0.1667922	0.1667922
FDXR	0.01242023	0.07030756	0.0298469	-0.00845707	0.02274517	0.04077525	-0.1098658	0.1098658
HAUS6	0.02520351	0.02956899	0.09235176	-0.02326443	-0.01131456	0.02620183	-0.1357758	0.1357758
NSL1	-0.04800669	-0.02065677	0.07862289	-0.01156723	0.02201156	-0.03449202	-0.06913931	0.06913931
RPL19	0.01653878	0.02945179	0.0153202	0.03119849	0.102927	0.08790979	-0.07438874	0.07438874
CPSF1	0.08243919	0.1647171	-0.03416541	0.01262785	0.02634365	0.03316801	-0.2130098	0.2130098
KRTCAP2	-0.04309852	0.00805566	-0.00187746	0.0357147	0.03948637	0.04274179	0.00667821	-0.00667821
HDGF	-0.06412104	0.05442458	-0.09294196	-0.06246522	0.02588317	-0.03038173	-0.2284818	0.2284818
PPARGC1B	-0.02439465	0.05416066	-0.08640323	-0.029297	-0.03484068	-0.0728571	-0.1662754	0.1662754
WDR18	-0.0394972	0.08553676	0.01081817	-0.1063122	-0.04931691	-0.00938286	-0.0948429	0.0948429
ZFP62	0.06156212	0.1362467	0.08560481	0.05815808	0.0455651	0.1278195	-0.221382	0.221382
UPK1B	0.0396432	-0.04715422	0.03624781	0.09341484	0.02358506	0.09086953	-0.03328195	0.03328195
ZNRD1	-0.02233333	0.1194569	0.01012681	0.01677158	-0.01345248	0.0238065	-0.1974272	0.1974272
EEF2KMT	-0.1283257	0.04148093	0.05986076	0.00463615	0.01131146	0.03781394	-0.01451668	0.01451668
PLAGL1	0.03429715	-0.0910757	0.01657942	-0.05545905	-0.02006379	-0.02285922	-0.01232006	0.01232006
LAMTOR3	-0.04152449	0.02250118	0.09144985	0.03264707	-0.00334833	0.05019175	-0.1421157	0.1421157
ARRB2	0.03167914	0.09848094	0.06107218	0.01099932	-0.05569665	0.03090068	0.06467742	-0.06467742
PXMP4	0.01901616	-0.0094208	-0.05914363	-0.0930839	-0.04738848	-0.06490132	-0.1139365	0.1139365
EGLN3	-0.06729013	0.06130124	0.02212035	-0.02390058	0.06219613	0.01410229	-0.01671782	0.01671782
FREM1	0.03170806	-0.06940938	0.07105861	0.01817375	0.03626493	0.02458772	0.1940379	-0.1940379
MED7	-0.02157628	-0.05524558	0.09103756	0.09457557	0.03192943	0.09262663	0.1060984	-0.1060984
ZMIZ1	0.02706867	-0.1051909	0.04928306	0.1061721	-0.01247731	0.1082895	0.1890363	-0.1890363
NRXN2	-0.0445275	-0.2084617	0.09478467	0.00478916	0.00062624	0.05269662	0.4415366	-0.4415366
ZNF250	-0.01833223	0.08283144	0.01487168	-0.03237166	-0.00904647	0.01337365	0.00423549	-0.00423549
TAZ	0.07853102	0.1213309	-0.00449795	0.01981177	0.01641696	0.01096588	-0.1297255	0.1297255
MYCBP	-0.03305287	0.06883869	0.05194094	0.03232855	0.01581654	0.07296356	-0.3013507	0.3013507
C17orf97	-0.02085109	-0.00306768	-0.04081346	-0.1018929	-0.09635998	-0.00166285	-0.04562298	0.04562298
CLUAP1	-0.00842595	-0.05344281	0.1408972	-0.01248742	0.06108632	0.03077041	0.1537913	-0.1537913
CASP6	-0.03426892	0.1313815	-0.04756106	-0.02718867	0.03615507	-0.03720951	-0.2615396	0.2615396
BCKDK	0.0643382	-0.00841705	-0.08809252	-0.01804942	0.08264438	-0.01537291	0.07509259	-0.07509259
TMEM255B	0.01488818	0.02687397	0.02187427	-0.08697587	-0.0049625	0.01431651	0.2802687	-0.2802687
ATP5MGL	-0.06163392	-0.07121677	-0.01068515	-0.03130168	-0.0376821	-0.02301655	0.00823314	-0.00823314
ARHGEF38	0.04064211	0.1171079	-0.00015187	-0.01990958	0.03187418	-0.0117021	-0.262851	0.262851
PPP2R5B	-0.02735107	0.05902106	0.00399361	-0.06086332	0.02679092	-0.05377568	0.2969655	-0.2969655
FBXL15	-0.1193441	0.03279372	-0.0256729	-0.06676881	-0.0434982	0.0183264	0.03548866	-0.03548866

UBFD1	0.0180729	-0.0232575	0.1346971	0.1283926	0.00342789	0.1444339	0.03348063	-0.03348063
TCAIM	-0.0499716	0.0035267	0.07476542	0.04845396	0.03560622	0.03701865	-0.1729221	0.1729221
CSRNP3	0.07404028	-0.1800501	0.02864451	0.02276607	-0.02332745	0.00191843	0.1310582	-0.1310582
CHN1	0.04337433	-0.01374918	0.05274716	0.05178561	-0.01128815	-0.03966907	0.4691812	-0.4691812
TMEM11	-0.1210152	0.09992088	-0.09124503	-0.135002	-0.05512877	-0.09719105	-0.0613198	0.0613198
MTX2	-0.08887295	0.1998462	-0.02637947	-0.03795637	-0.0205654	0.00154684	-0.2724175	0.2724175
PCGF3	0.0915116	0.1211022	-0.03407009	-0.00270483	-0.06581471	-0.02285524	-0.07760817	0.07760817
YBX1	-0.09082121	-0.02140843	0.07016516	0.00371623	-0.06151885	0.02902067	-0.06370404	0.06370404
LY6G5C	-0.05601096	0.00905212	-0.04419127	-0.07872243	0.02340564	-0.08530769	-0.05472379	0.05472379
SLC15A1	0.04934435	-0.00249479	0.04917541	0.09596909	0.1085397	0.113037	-0.08168689	0.08168689
NAPG	0.00342923	0.02410241	0.06197277	0.00426626	-0.065279	0.05600695	-0.0362926	0.0362926
KLHL12	0.04517967	0.0589398	0.06624665	0.02057741	0.06216787	0.01789197	-0.2278349	0.2278349
ITGA6	0.04079162	0.119678	-0.01163425	0.00358584	0.00959339	0.01453247	-0.1948579	0.1948579
ANGPTL2	0.00897973	-0.04950822	0.1666657	0.00956077	-0.00276697	-0.03937004	0.5563138	-0.5563138
ZNF32	-0.07150766	0.03010426	0.07133026	-0.0834389	0.01947189	-0.1239866	0.1281119	-0.1281119
B3GALNT1	-0.05317554	-0.0568904	0.1534801	0.09049156	0.00950801	0.09201275	0.08333035	-0.08333035
RFX5	0.06767431	0.03590129	0.08482498	0.01314436	0.04722411	0.05935264	-0.05789518	0.05789518
BMERB1	-0.0629935	-0.1456644	0.0653886	0.03193156	0.0367943	-0.04681213	0.4372686	-0.4372686
PDIK1L	-0.02362186	0.127444	0.05161187	-0.01362947	-0.02021047	0.04405043	-0.2457133	0.2457133
DNAJC21	-0.05810654	0.02973826	0.09107534	-0.04045455	0.00593109	0.01889125	-0.02120338	0.02120338
CDC34	-0.08651986	0.04510016	-0.04860212	-0.1436129	-0.0517902	-0.06344971	-0.01697634	0.01697634
R3HCC1	-0.04590016	-0.0537664	-0.1136649	-0.1195908	-0.07089241	-0.1090281	0.07055467	-0.07055467
OXA1L	-0.04795993	0.07862547	0.02098287	0.00512361	-0.03640163	0.06436634	-0.1449407	0.1449407
ODR4	0.02473992	0.03276242	0.08867623	0.0559647	-0.00937632	0.05415938	-0.2663218	0.2663218
PARD6B	-0.03496995	0.08771199	0.06417721	0.06347155	-0.04628577	0.06053243	-0.2032298	0.2032298
MTMR2	-0.01810567	0.00923869	0.1216159	0.1170462	-0.01986293	0.03489799	0.00790153	-0.00790153
NAXD	0.1101519	0.01781951	0.0028446	0.05301574	0.00101587	0.07808273	-0.05699442	0.05699442
NPEPL1	-0.02251099	0.00821911	0.0816021	0.06756338	-0.01018642	0.07036379	-0.03243866	0.03243866
RNF11	0.00881384	-0.1179691	0.04918137	0.04816924	-0.01355482	-0.05476343	0.2515484	-0.2515484
ERVMER34-1	-0.07286526	0.04307271	-0.02259588	-0.09939548	-0.02967159	-0.01524529	-0.02439196	0.02439196
BCAS1	0.05528168	0.0127369	-0.02201354	0.06019833	-0.04724646	0.01915413	-0.1650358	0.1650358
TANC1	0.06691662	-0.00493165	0.127836	0.02138584	0.04967885	0.06148141	0.08217781	-0.08217781
CGN	0.1061643	0.05369355	-0.02981814	0.04521315	0.01223428	0.04288011	-0.2120478	0.2120478
SNF8	0.07307964	0.01092424	0.02863663	0.020904	0.04558432	0.06775672	0.06667324	-0.06667324
FAM83F	-0.0057025	0.01075328	-0.04440798	-0.1105933	0.0117966	0.0117161	-0.2049657	0.2049657
TNF	0.00443064	0.1154344	-0.02514662	-0.09023021	-0.04096045	-0.1072498	0.1036364	-0.1036364
SLC7A7	0.05394232	-0.00661058	0.117986	0.08727791	0.08544114	0.1104106	0.03812994	-0.03812994
CLPX	-0.0084158	0.0256926	0.1407058	0.01728428	0.01947734	0.09983501	-0.1979765	0.1979765
AGT	0.08488189	-0.1434997	-0.00205904	0.07823849	-0.02678742	-0.01300203	0.08028092	-0.08028092
SLC27A2	0.09560415	-0.00257639	0.06816261	-0.00287464	-0.02125509	0.04003684	-0.2636104	0.2636104
ACE2	0.01447166	0.0124686	0.08152734	0.08479183	-0.0063466	0.07398423	-0.1494743	0.1494743
GTPBP4	-0.06516392	0.1049283	0.06922085	0.00490845	0.01038529	0.07753646	-0.2396107	0.2396107
CEP192	0.01064986	0.04334738	0.09501429	0.05392334	0.0189572	0.0955622	-0.1769223	0.1769223
ACACA	-0.03624659	0.05968055	-0.02068252	0.0384123	0.06460639	0.0437221	-0.1495952	0.1495952
IMMP2L	0.01719815	-0.06133449	0.01334385	0.04906505	-0.00204986	-0.01170709	0.00378127	-0.00378127
SCN9A	-0.0951219	-0.03497892	0.05264885	0.09055365	0.04564852	0.0979532	0.1537925	-0.1537925
CLEC3B	0.02101837	-0.1405921	0.00506665	-0.03391311	-0.04342313	-0.05396654	0.2914756	-0.2914756
KCTD17	-0.00531481	0.0553417	-0.03298522	-0.1397217	-0.00485865	-0.05094716	0.1350244	-0.1350244
CCNB1IP1	0.0563453	0.1017753	0.04080164	0.0257596	0.02282173	0.08633253	-0.1166002	0.1166002
CLEC7A	-0.00942665	0.06805499	0.1788359	0.05829305	-0.00381282	0.04737666	0.1377556	-0.1377556
MMADHC	-0.07328628	0.1001935	0.09932026	0.0717546	-0.03395506	0.04034203	-0.2066121	0.2066121
CYP4V2	0.04270073	0.01757012	0.1148497	0.06156597	0.00889668	0.01828374	-0.02387566	0.02387566
MOB4	-0.02307591	0.03066665	0.1381772	0.06036936	-0.02590351	0.06048166	-0.068487	0.068487
TTC23	0.01009011	-0.09055453	0.03843375	0.03258093	0.00731575	0.01332556	0.153877	-0.153877
ATP8B3	-0.00061893	-0.02067921	-0.03215329	0.03639271	0.04951226	0.03742652	0.1424294	-0.1424294
ZC3H7A	0.0514373	0.04208037	0.1932946	0.1599581	0.08366044	0.1445674	-0.02343766	0.02343766
EPC2	0.0120346	-0.0392351	0.1782067	0.1366373	0.04119362	0.1094512	0.07380721	-0.07380721
PUS3	-0.1595564	0.07179094	0.06795734	-0.02011122	-0.01214027	0.01697996	-0.1303624	0.1303624
TBC1D2	0.09311747	0.03693465	-0.07417354	0.00365985	0.00933443	-0.02450584	0.06891984	-0.06891984
SULF1	0.06147193	0.01967186	0.179915	0.03163809	0.00962606	0.04230969	0.5079733	-0.5079733
SELENOH	0.01379334	0.03878758	-0.04824588	-0.03011237	-0.04909534	-0.00061607	-0.04617469	0.04617469

DCTN4	-0.01067787	0.00741211	0.1012128	0.0647741	0.01727634	0.1208421	-0.05466521	0.05466521
ERGIC3	0.1148978	0.05788398	-0.09125272	-0.02516864	-0.05981051	-0.04936947	-0.08245461	0.08245461
RBCK1	0.08420071	0.1592364	0.07985337	-0.0538719	-0.01204849	0.04767881	-0.03018421	0.03018421
TMEM248	0.01113457	0.00010503	0.1338749	0.09298741	0.01347579	0.1069795	-0.02721171	0.02721171
ANKRD36	0.06196471	0.04360045	0.06707279	0.02695088	-0.00730365	0.00102031	-0.02308922	0.02308922
TBC1D4	0.01306366	-0.00093276	0.07276164	0.02750596	0.0108461	0.1379708	-0.06389591	0.06389591
MOB3C	0.03369701	0.02532389	0.06694115	0.03698112	0.03637059	0.0338444	0.1140191	-0.1140191
GPR183	-0.03663995	-0.105133	0.16293	0.07059189	0.02751097	-0.0199094	0.3254918	-0.3254918
CATSPERG	0.0218641	0.01942091	0.09249959	0.06302498	-0.0127286	0.02713929	0.00233312	-0.00233312
STARD9	-0.00804408	-0.06810799	0.07188345	0.02455184	0.04123573	-0.01840064	0.330809	-0.330809
ZFP90	0.0267184	-0.03552119	0.1882129	0.07700307	0.1121673	0.1067433	0.1588217	-0.1588217
TVP23B	-0.04887299	0.1823259	0.1240672	0.01959142	-0.05478384	0.02536773	-0.1523475	0.1523475
KPNA3	0.05166603	0.0057688	0.1535249	0.011951	0.00075531	0.08969167	-0.1083516	0.1083516
UEVLD	-0.00132659	0.05054554	0.1927936	0.06353773	-0.00092972	0.1191715	-0.06342051	0.06342051
LRFN3	-0.06290371	0.01939455	-0.01403927	-0.06094941	0.00062515	-0.00953352	0.06809594	-0.06809594
5-Mar	0.00226836	0.03168805	0.0817126	0.00403051	-0.02693018	0.05269265	-0.1247178	0.1247178
RAB39A	-0.07462766	-0.01959447	0.03552188	-0.00319675	-0.02420281	0.01638812	0.0680761	-0.0680761
ARRDC2	-8.19E-06	0.05380961	0.1004431	0.06221271	0.02908261	0.1215489	0.1081155	-0.1081155
ASXL2	0.04090036	0.03363781	0.1293776	0.07237813	0.01633315	0.1074993	-0.08486102	0.08486102
FZD1	0.04921454	-0.08402106	0.1151514	0.04025321	-0.02640115	0.02250659	0.4547762	-0.4547762
RGS4	0.0260587	-0.17452	0.06311215	0.03519856	0.00261979	0.00201512	0.3158748	-0.3158748
MFS08	0.06270795	0.102122	0.06607282	0.07080069	0.03971398	0.06272361	-0.1890847	0.1890847
GPR68	0.02863658	-0.02632325	0.0537539	0.00245314	-0.02584495	-0.00585291	0.5325465	-0.5325465
POFUT1	0.02176315	0.05224937	0.05301348	0.02560113	-0.01721418	0.04865482	-0.1026892	0.1026892
KIFC1	-0.07026719	0.08289766	-0.01122423	-0.01976939	-0.00531424	0.0365939	-0.1918711	0.1918711
ZFYVE21	-0.02951607	-0.02411911	0.09505938	0.1148528	0.05441432	0.03308782	0.09696038	-0.09696038
RMND1	-0.04500689	0.06133301	0.1526466	0.07724412	0.05332264	0.07776767	-0.192599	0.192599
MCAM	0.00330218	-0.07038244	0.1205494	0.03596464	0.02101989	0.00069176	0.4262739	-0.4262739
ARNT	0.03971492	-0.01872413	0.03956086	0.03909585	-0.00550189	-0.01444594	0.135807	-0.135807
ARHGDI3	-0.06124333	-0.02270481	0.08300116	0.00742587	0.00341317	0.0384005	0.1151779	-0.1151779
TMEM270	0.01111509	-0.01719875	-0.1036953	-0.03686307	0.03063821	-0.03043612	0.02227139	-0.02227139
PAPOLG	-0.02094095	0.04826261	0.161598	0.07122586	-0.0057913	0.07784481	0.0028464	-0.0028464
FAM177A1	0.04432328	0.08220626	0.03376384	0.06847796	-0.08775774	0.04491353	-0.0145946	0.0145946
TCEAL7	0.0006797	-0.2082467	0.159647	0.03649718	0.00615237	-0.05672117	0.5222834	-0.5222834
FRS2	0.00935891	-0.00107977	0.07385528	0.07644762	-0.01752051	0.09985742	0.06132261	-0.06132261
ALG3	0.05216786	0.05558573	-0.01846898	-0.01305725	0.01179555	0.02133775	-0.1201531	0.1201531
NUDC	-0.125986	0.02921476	0.04911987	-0.06656591	-0.01996281	0.02855697	-0.1148129	0.1148129
TATDN3	0.01192549	0.04416574	0.1343046	-0.03969302	0.01586277	-0.0500025	-0.05350474	0.05350474
TJP3	0.00661328	0.119228	-0.05576797	-0.05961661	-0.00384635	-0.00638457	-0.2412057	0.2412057
ZNF107	0.03274685	0.04499079	0.08713355	0.06071197	0.03441562	0.0927458	-0.1404987	0.1404987
TAF2	-0.0137859	0.1602781	0.03292318	0.01671996	0.04476773	0.06861891	-0.1931446	0.1931446
SAR1A	-0.0717719	0.05772505	0.1372844	0.04912781	-0.05027508	0.01935657	0.06360031	-0.06360031
GLMN	-0.0104412	0.09811224	0.090341	0.09390522	0.03486127	-0.01853719	-0.1959561	0.1959561
POM121C	0.05979962	0.0113814	0.04804914	0.02757158	0.01454123	0.06737402	-0.1193538	0.1193538
FNDC1	0.01852256	-0.08601891	0.125572	0.09912443	0.07250264	0.02948819	0.5347913	-0.5347913
ADAMTS4	0.07994372	0.1051414	0.09573429	0.01494606	0.07671158	-0.0122155	0.2878217	-0.2878217
HSD17B7	0.04509331	0.09098931	0.03743649	0.0478356	0.09265781	0.0317846	-0.2395951	0.2395951
RBMS3	0.02799379	-0.2189236	0.1854412	0.1003842	0.0178073	-0.01374279	0.4896139	-0.4896139
ATP6V1C1	0.00555632	0.1259183	0.07724536	0.02304255	0.05831926	0.0653596	-0.1269644	0.1269644
SLC2A8	0.02092614	0.05146239	0.02616968	-0.1064854	-0.08996536	-0.00629336	-0.1198038	0.1198038
MAP11	0.0377243	0.07971409	-0.05285727	0.00836002	-0.0430795	0.01683577	-0.1318597	0.1318597
STXBP1	-0.01359762	0.02669251	-0.077104	-0.00685621	-0.03440518	-0.03785697	0.03898863	-0.03898863
RAP2C	0.01521754	0.09539837	0.08987479	0.05988305	-0.04620618	0.06808294	-0.1583996	0.1583996
C11orf1	-0.05250681	0.02087086	0.1025731	0.02870155	-0.05529702	0.07248452	-0.1439015	0.1439015
RCOR3	0.1032724	-0.05102365	0.1315294	0.1081421	0.02837054	0.07564996	0.01286387	-0.01286387
CACNB1	0.06358346	0.03222449	0.00481195	0.02872941	0.1437688	0.1008593	-0.03874698	0.03874698
SKA3	-0.04880798	0.09158983	0.03508548	0.01380396	-0.02512589	0.08779341	-0.3242539	0.3242539
COL1A2	0.04075992	-0.02931395	0.124259	0.04313949	-0.02646654	0.02841275	0.6015561	-0.6015561
EFCC1	-0.00515532	-0.08745418	0.01294499	0.0807836	-0.0676201	0.0589447	0.1477335	-0.1477335
MCM3AP	0.04486056	-2.39E-05	0.08804912	0.07158508	0.0621708	0.1118015	-0.08569651	0.08569651
RNF144B	0.06915092	-0.00469225	0.1006083	-0.00858564	0.09515684	-0.04761438	0.09783703	-0.09783703

HOXD8	-0.00197191	0.02066445	0.0423678	-0.06110331	-0.00190861	-0.04306112	0.2577514	-0.2577514
PGGT1B	0.02987993	0.06795458	0.09670519	0.06148727	-0.02737516	0.04029786	-0.09227183	0.09227183
OCIAD1	-0.05596904	0.08496606	0.0685975	0.04814112	-0.08022643	0.02873716	-0.1942339	0.1942339
NOVA1	-0.04304638	-0.1795667	0.1200733	0.07682365	0.05859673	0.04312403	0.2972788	-0.2972788
CNTNAP1	0.01039443	-0.1161793	0.1740629	0.08753102	0.1112339	-0.00736825	0.4773969	-0.4773969
C6orf132	0.03850856	0.09213866	-0.1068721	-0.04700653	-0.03870586	-0.03146554	-0.186531	0.186531
C19orf18	0.1037525	-0.01104767	0.03071217	-0.07768089	-0.00876049	-0.0471973	-0.01895698	0.01895698
EGR1	0.05900205	-0.1423902	0.07074689	0.04152594	0.03537025	-0.01941594	0.1738526	-0.1738526
COP1	0.0416576	0.02351448	0.08497245	0.07237089	0.02910015	0.04353922	-0.2590833	0.2590833
CNST	0.1049818	-0.02480093	0.1098186	0.04699994	0.00224318	0.06083137	-0.02583288	0.02583288
TRMT10C	-0.1090438	0.04427743	0.09059792	0.02356583	-0.00929676	0.09548743	-0.2235392	0.2235392
DNAJB12	-0.03542673	0.03614186	0.04940297	0.06501203	-0.07668903	0.1099625	-0.00430604	0.00430604
ZC3H3	-0.00444098	0.1162402	-0.01125544	-0.02268077	-0.00798354	0.04513401	-0.1787742	0.1787742
LETMD1	0.03236766	0.0148597	0.07654724	0.01833574	0.00283694	0.1104062	-0.2053393	0.2053393
ID3	-0.00194631	0.02903418	-0.1116686	-0.1329366	-0.05346681	-0.1307855	0.3397994	-0.3397994
ZNF584	-0.04857419	-0.00905258	0.03259692	-0.03452154	0.05121111	0.0530693	-0.02638885	0.02638885
VPS33B	0.1096096	0.06951433	-0.00309548	0.01701394	0.02323059	0.08628074	-0.1241606	0.1241606
COL5A1	0.03760827	-0.03705901	0.1034871	0.03777122	-0.03440266	0.04203068	0.57602	-0.57602
RBL2	0.02536977	0.00758749	0.1829788	0.09236056	0.06768622	0.1167923	0.02861883	-0.02861883
USP7	0.04876952	0.08260264	0.1037117	0.05589668	0.07522779	0.07989402	-0.18029	0.18029
THRAP3	-0.00679702	0.02374594	0.1236969	0.05420648	0.07012569	0.09464301	-0.05724277	0.05724277
CASTOR1	-0.01921092	-0.03636557	-0.07608241	-0.07137316	0.0018974	-0.09194813	0.1513146	-0.1513146
TNFRSF8	0.02204082	-0.07301111	0.06285336	-0.0080817	0.02402785	0.04714627	0.06615262	-0.06615262
OGDH	0.04313378	-0.01527386	0.01598945	0.02092845	-0.01593212	0.02449429	-0.07349179	0.07349179
SUB1	-0.03411058	0.04879902	-0.00837579	-0.07217529	0.03505428	-0.04498294	-0.04503855	0.04503855
TMEM131L	-0.06944217	-0.09831005	0.1176209	0.08280345	0.05098317	0.0696169	0.1637153	-0.1637153
NUF2	-0.09179259	0.07270427	0.0016112	-0.03315441	-0.01594061	0.00845787	-0.2704744	0.2704744
HLA-DQA1	-0.0104954	0.00288348	0.1328826	0.02920448	0.0176003	0.07649559	0.1143003	-0.1143003
CD300C	-0.02846978	0.03130781	0.1049041	0.05868928	-0.0059408	0.04030802	0.1215684	-0.1215684
TOGARAM1	0.07346666	-0.0451241	0.09597909	0.07715512	0.07552579	0.08725431	0.04333185	-0.04333185
G6PD	0.05781207	0.05734141	-0.06694751	0.00751894	-0.03569667	0.01824555	-0.02455175	0.02455175
RNASE1	0.08010011	-0.03970442	0.1029802	0.00926083	0.05646253	-0.01707589	0.05520691	-0.05520691
TMCC1	0.027694	-0.02655843	0.1021512	0.05742206	0.04417315	0.0892456	0.09582088	-0.09582088
CLTB	-0.04927526	0.00293564	-0.1209588	-0.07559688	0.01608602	-0.03821993	0.0094999	-0.0094999
NIPSNAP2	0.07530448	0.07019197	0.06243928	-0.01270969	0.03499339	-0.03635726	-0.1058753	0.1058753
AZIN1	0.02927232	0.09541983	0.09618333	0.02713318	0.04496643	0.09787611	-0.1622592	0.1622592
SARDH	0.02960009	-0.0775776	-0.04999099	-0.03053213	-0.0207524	-0.04852892	0.1301801	-0.1301801
NEMF	0.00829169	0.07562576	0.1716726	0.1044433	0.05290434	0.121159	-0.0812747	0.0812747
HDHD5	-0.02977862	0.09923657	-0.03914728	-0.06128538	0.01796367	-0.04604502	-0.1898062	0.1898062
C1GALT1C1	-0.01494083	0.154401	0.04919451	0.00837107	-0.00086475	0.01869557	-0.2074175	0.2074175
FAXC	-0.07876921	-0.1404077	0.03538085	-0.06783156	-0.01406245	-0.1059741	0.2919223	-0.2919223
PRICKLE1	-0.03984402	-0.2071956	0.1405237	0.1356668	0.05386043	0.09520764	0.4809477	-0.4809477
ERN2	0.1056835	0.08720735	-0.05376835	0.02618633	-0.02922239	-0.02907472	-0.1975938	0.1975938
TFRC	-0.07371955	0.1358223	0.1088151	0.05730271	-0.01159373	0.04570087	-0.2568559	0.2568559
CD3G	-0.02619267	-0.04911217	0.2211112	0.04190724	0.03755798	0.09150969	0.1720551	-0.1720551
TMEM97	0.02012538	-0.02270409	0.0398584	0.0114755	0.1025767	0.05259209	-0.2364756	0.2364756
PRSS33	0.1134103	0.00788548	0.0878775	0.01300737	0.02925872	0.04120406	0.05270877	-0.05270877
PPP2R5D	0.02008367	0.1392796	-0.09073945	-0.1176257	-0.0447661	-0.1133904	-0.1433842	0.1433842
TBC1D13	0.04856048	-0.05999976	0.06405539	-0.0005222	0.00077058	0.05836893	0.05141211	-0.05141211
CCL2	0.07070382	0.05332063	0.01517228	-0.02604543	0.03535637	-0.1462313	0.3388213	-0.3388213
STON1	-0.02656618	-0.1492601	0.1166852	0.05538632	0.0379245	-0.03911169	0.4412896	-0.4412896
EDARADD	0.03009303	-0.06763875	0.05915373	0.0734913	0.06625087	0.08557095	-0.03341173	0.03341173
AC015871.1	0.02634722	0.01309485	-0.02646316	0.03258653	0.03158406	-0.00659879	-0.04347779	0.04347779
POT1	0.0590921	0.00998056	0.1027501	0.08446339	0.06416323	0.0558095	-0.06740585	0.06740585
APOBEC3A	-0.01550022	0.04323293	-0.04412409	-0.06074107	-0.02055532	-0.05270234	0.06100405	-0.06100405
ABI3	-0.03318045	-0.02674583	0.1075708	0.00235171	-0.01868738	0.06839576	0.1664382	-0.1664382
ITM2A	0.01058705	-0.0763075	0.1052757	0.1120793	0.01708221	-0.05340036	0.1449494	-0.1449494
LYVE1	0.02997464	-0.02446037	0.07593101	0.07069709	0.00076967	-0.217417	0.2934373	-0.2934373
NUBPL	0.1092981	-0.07178686	0.1154036	0.1041289	0.04173967	0.1152027	-0.07273932	0.07273932
BHMT2	-0.01273351	-0.1855211	0.1155696	0.05941303	0.00956527	-0.01878683	0.4468638	-0.4468638
IRF7	-0.0594787	0.08644155	0.02152152	0.04833889	-0.03253617	0.08309916	0.1169003	-0.1169003

GNA13	-0.0436007	-0.00883555	0.1846479	0.05535624	0.04585574	0.06699226	0.01103557	-0.01103557
C16orf89	-0.00639897	-0.1805629	-0.03015903	-0.00536706	-0.03063966	-0.05038034	0.1525938	-0.1525938
MAP3K21	0.00644494	0.06479712	0.1047941	0.02335569	0.02119555	0.1028917	-0.3204561	0.3204561
PITPNB	-0.07996007	0.08329666	0.1540485	0.01183649	0.04646954	0.03435834	-0.00438133	0.00438133
SLC16A1	-0.077477	-0.0137115	0.1045216	0.03428568	-0.0232899	0.02648771	-0.1880255	0.1880255
ZBTB42	0.01984838	0.05347289	-0.1420088	-0.07911831	-0.007419	-0.0585736	-0.1287834	0.1287834
FXN	-0.1651369	0.0590751	0.03273283	-0.04354425	-0.01228147	-0.04365015	-0.1676372	0.1676372
CHD7	0.02863536	0.04975871	0.01636749	0.01513535	-0.03655025	0.02014965	-0.1620239	0.1620239
HYAL2	0.06475725	0.03446456	0.07762137	-0.01455378	0.0154258	-0.01687814	0.2614858	-0.2614858
ALDH3B1	0.00027454	0.01068684	0.07286728	0.08454806	-0.01011098	0.1232979	0.00857273	-0.00857273
TAPT1	0.02442996	0.08620895	0.1136127	0.05755466	0.01053679	0.04255521	0.00829836	-0.00829836
MFAP3L	-0.08330306	-0.02379462	0.1151962	-0.03102443	-0.00615173	0.04260499	0.02401714	-0.02401714
KIF20B	-0.01822746	0.07783397	0.1216812	0.03187146	-0.03784497	0.1137736	-0.2750072	0.2750072
NDST1	0.09835193	-0.06604309	-0.00861988	0.04460033	0.02952384	0.03678629	0.2732961	-0.2732961
GPR146	-0.04285403	-0.1318474	0.05551198	-0.03213965	0.01752993	-0.01039097	0.3293084	-0.3293084
RBFOX2	0.04260137	-0.1253528	0.1564297	0.08053888	0.04974305	0.05267044	0.3717924	-0.3717924
MMP28	-0.06518624	-0.08203152	0.099438	0.06144558	-0.01545701	0.0597202	0.06924112	-0.06924112
COX11	0.03650413	0.02459805	0.0226965	-0.03016557	-0.0036486	-0.0067917	-0.09672743	0.09672743
CCM2	-0.06568542	0.03535637	0.01683049	0.04116253	0.03524735	0.04733176	0.1379557	-0.1379557
RNF26	-0.01280844	0.00477378	-0.01366235	0.03800845	-0.0489907	0.02379834	-0.07417447	0.07417447
TPD52L2	0.04673961	0.09202826	0.06634331	0.03501622	0.00315155	0.0457098	-0.04690239	0.04690239
LIME1	0.02008131	0.07905345	0.02015173	0.03527205	0.0281961	0.05443382	-0.09477778	0.09477778
CORIN	0.00157597	-0.00057044	0.08938957	0.03651189	-0.03178285	-0.02080277	0.3130058	-0.3130058
RHEX	0.02950097	-0.07633088	-0.01334798	-0.0491864	0.1230679	-0.08810908	0.0651197	-0.0651197
RNASEH1	0.02469638	-0.03834023	0.1219265	0.1017314	0.1527466	0.1400702	0.03728606	-0.03728606
GRB2	-0.05188556	0.05548596	0.04262516	-0.02122361	0.03533201	-0.00363898	-0.03213963	0.03213963
NKX6-3	-0.1650833	-0.01990947	0.01988099	-0.00041088	-0.09681587	0.01193627	-0.1051723	0.1051723
ANXA2R	-0.05201789	-0.02681132	0.02434928	0.03417601	0.06160121	0.03235095	0.2338866	-0.2338866
USP37	0.0177852	0.03656604	0.05327267	0.02627816	0.03130215	0.05574323	-0.1387693	0.1387693
ARIH2	-0.03547404	0.02519924	0.06343434	0.04864008	0.00967161	0.07452763	-0.08889074	0.08889074
TUBB4B	-0.1674523	0.1490366	-0.0743332	-0.07474018	-0.07366663	-0.00273342	-0.2407462	0.2407462
APOL1	-0.0013541	0.03089055	0.06211545	-0.04639159	0.05159496	0.03157691	0.03488321	-0.03488321
ARAP2	-0.023913	0.1270601	0.09765708	0.04665537	-0.0103192	0.1045108	-0.1456704	0.1456704
CEP55	-0.07292389	0.07951534	0.04520148	-0.06124817	-0.03117687	0.02687978	-0.2435853	0.2435853
CORO2A	0.06909293	0.06847436	0.00963415	0.00787606	0.04012241	0.03473859	-0.3104742	0.3104742
PDGFC	-0.01095022	-0.00970231	0.123343	0.05659554	-0.00526482	0.00881928	0.4590541	-0.4590541
RSL24D1	-0.03769398	-0.00269201	0.1530744	0.04037285	-0.03785882	0.06847123	-0.07714412	0.07714412
ROR1	0.04894624	-0.2130304	0.091558	0.0467112	-0.0336168	-0.06397884	0.2622963	-0.2622963
MYO1G	-0.05470478	-0.000651	0.07408476	0.02723524	-0.00252243	0.07456298	0.07472715	-0.07472715
MESP2	0.03912379	-0.0901787	-0.09633841	-0.04079861	0.0108191	0.04533621	-0.0944223	0.0944223
UBE2E3	0.02202004	0.04153444	0.0412655	0.1548886	-0.00699687	0.0054075	0.03831762	-0.03831762
SRSF10	-0.02189037	0.1403556	0.06572024	0.1039743	0.0426256	0.1156154	-0.263062	0.263062
TAX1BP1	0.02991555	0.07988287	0.1503573	0.05836551	0.00330825	0.0327883	-0.2035026	0.2035026
PFAS	-0.0388211	0.08009572	0.08578964	0.06573602	0.02643557	0.08654378	-0.1628902	0.1628902
ZRANB1	0.05158383	-0.02826298	0.02140244	0.01357365	-0.01426598	0.01351815	0.04342125	-0.04342125
RC3H2	0.03877227	0.08125307	0.09871357	0.04281245	-0.00180415	0.09952965	-0.05157957	0.05157957
TTC30A	0.08454341	-0.027935	-0.03108473	0.03072596	0.0323314	0.03353616	-0.00981512	0.00981512
GJA4	0.05472539	-0.04095772	0.04877115	-0.02324269	-0.01719681	-0.00464152	0.4124652	-0.4124652
TLR10	-0.06943845	-0.07933243	0.0359434	0.06922992	0.02238568	0.04228486	0.1059601	-0.1059601
COA8	-0.0316919	-0.02002606	0.07965409	0.00923634	0.02640001	0.05511345	-0.01356295	0.01356295
PPP1R3G	-0.02890427	-0.1160965	0.03804201	0.00832172	0.01115459	-0.03152262	0.176833	-0.176833
COL27A1	0.1975684	0.05109191	0.08368751	0.03785221	0.03821892	0.0009372	-0.03638341	0.03638341
SPRY1	0.02632609	-0.0134025	0.1535289	0.01059167	0.1051468	0.00409698	0.301488	-0.301488
SNRNP25	-0.1088776	0.03279219	0.01212621	-0.07037642	-0.03052894	-0.06057379	-0.1608458	0.1608458
CTSO	0.03763825	-0.08660292	0.2034757	0.1104691	0.1577573	0.06614142	0.425179	-0.425179
VPS72	-0.00717024	0.02050777	-0.07444775	-0.0629712	0.02557819	-0.0432771	-0.00302599	0.00302599
TRAPPC2B	-0.05057078	0.0550476	0.0237178	0.02297307	0.01928567	-0.02096257	0.02580076	-0.02580076
FAM174A	-0.08060461	0.08865731	0.00918471	0.02546181	-0.08691693	-0.05304573	0.09607258	-0.09607258
CMC1	-0.1309291	0.1688571	0.01914548	0.00167722	-0.04586115	-0.00195542	-0.1563447	0.1563447
ASIP	0.06168131	-0.09529544	0.03675278	0.00087886	0.00202034	0.01005858	0.00940766	-0.00940766
MUC13	-0.00413998	0.1089283	0.01939033	0.03313193	0.00643103	0.08035413	-0.2967246	0.2967246

HELZ2	0.04848499	0.114835	0.08697783	-0.01627241	0.05694704	0.08277393	-0.04946295	0.04946295
ADCK1	0.05506337	0.09221054	-0.03405541	-0.05828406	0.05610319	0.01407046	-0.1794066	0.1794066
PHB	-0.04048614	0.1109961	-0.05369934	-0.01888305	0.02812691	0.01119347	-0.2006569	0.2006569
DPT	-0.00448232	-0.1587553	0.07665014	0.0212897	0.01946954	-0.08562954	0.2942505	-0.2942505
TRA2B	-0.0746996	0.01259308	0.07182182	0.06403482	0.00951632	0.1032233	-0.1662358	0.1662358
RASA2	0.00536357	0.06761716	0.1805702	0.117939	0.02157565	0.1133564	-0.01556833	0.01556833
CPNE1	0.1053102	0.01804653	0.00535394	0.0384476	-0.00122623	0.0430759	-0.0362934	0.0362934
MASTL	-0.05349898	0.1495689	0.05859486	-0.00845959	0.05259141	0.06191512	-0.2130842	0.2130842
NEURL2	0.05322734	-0.07300354	0.01673615	-0.02783627	0.01969044	0.02087793	-0.05161005	0.05161005
SPRY2	-0.0088209	0.03348307	0.06656038	0.01227671	0.02892796	0.05662477	-0.07053002	0.07053002
PPP1R26	0.0430771	-0.02166276	0.1413426	-0.01049556	-0.00036804	0.1567639	-0.05134848	0.05134848
RPP38	-0.04839954	0.1213679	-0.02001361	-0.06024535	0.02084329	-0.00438821	-0.1900867	0.1900867
RDH11	0.08538135	0.04335384	0.09468798	0.1100239	0.07953617	0.1297645	-0.1797252	0.1797252
ZNF282	0.0438788	0.06496526	-0.00652863	-0.07253254	0.03477429	0.0211218	-0.1062856	0.1062856
DOLPP1	0.01308668	0.08959077	-0.08228564	-0.0694115	-0.03406753	-0.01519911	-0.2087014	0.2087014
ALPK2	-0.00915687	-0.06181022	-0.06287208	-0.06270346	-0.05163656	-0.08945251	0.1403761	-0.1403761
SLC4A2	-0.00434459	0.03839542	-0.06264245	-0.0707897	0.04370153	-0.0238498	-0.1062277	0.1062277
NPM2	0.02471577	0.02566008	-0.04996205	-0.05254764	0.00890171	-0.00785708	0.00724479	-0.00724479
STXBP5	-0.00224883	0.1398207	0.06410049	0.04243525	-0.05395345	0.01957253	-0.1048493	0.1048493
GAB1	0.07492188	-0.06883612	0.1189968	0.1081193	0.05104026	0.04535171	0.1496932	-0.1496932
ETFB	-0.01681185	-0.06940387	-0.02772127	-0.01687587	0.00991739	0.01675125	-0.06794514	0.06794514
PLXDC1	0.09017374	8.23E-06	0.1152745	0.03337329	0.04189124	0.05816227	0.438977	-0.438977
PAX5	-0.02871831	-0.07446287	0.02935581	0.07068686	0.00191654	0.01343224	0.1067538	-0.1067538
PRODH	0.0858424	-0.01676567	0.06319271	-0.02873495	0.02713425	0.1004187	-0.04130589	0.04130589
HAUS1	0.00505115	0.1188562	0.115548	0.03136004	-0.02263501	-0.00714308	-0.1135234	0.1135234
ARX	0.08159381	-0.02102924	-0.05165213	0.07574294	-0.05079309	0.03643275	0.02666684	-0.02666684
RABGGTB	-0.00212797	0.206035	-0.00963905	0.04396551	-0.01386367	0.05040816	-0.2820573	0.2820573
DEK	0.01113039	0.09902469	0.1131771	-0.00578027	0.04658633	0.02176803	-0.1825222	0.1825222
TM9SF3	0.07454772	0.00699027	0.04790871	0.06992044	-0.01810629	0.07076483	-0.2699109	0.2699109
APOH	-0.04348224	-0.06325387	0.01629241	-0.06856921	-0.02168471	-0.05145017	-0.05063775	0.05063775
HERC2	0.1010829	0.02160037	0.08652053	0.05405706	0.05599809	0.08555261	-0.03512899	0.03512899
YWHAZ	0.01427393	0.1436969	0.0761424	-0.0002512	0.04313753	0.08969242	-0.1704809	0.1704809
KANTR	0.04772602	-0.00959011	0.1062984	-0.03192436	-0.0089046	0.02497205	0.1025412	-0.1025412
CTDSP1	-0.05809256	-0.0213475	-0.04173663	-0.03504101	0.0072404	-0.0195119	0.1706623	-0.1706623
TIMP4	-0.04008863	0.06450055	-0.04465594	0.06098424	-0.00906457	0.00558605	0.08586833	-0.08586833
GPR108	0.06570173	-0.02289994	-0.06840159	-0.1125158	-0.03192656	-0.0468974	0.02196083	-0.02196083
ZNF260	-0.00713644	0.03605855	0.1029148	0.0244715	0.04507348	0.03557224	-0.0351008	0.0351008
LTBP2	0.02314	-0.05758221	0.1071576	0.07822056	-0.0089112	0.06362168	0.499221	-0.499221
STAM	0.00766189	0.06304979	0.07695415	0.0288151	0.03484331	0.07388821	-0.1187372	0.1187372
TCEANC	-0.1394361	-0.069411	0.1165029	0.01764565	0.01986871	0.07506161	0.1156717	-0.1156717
PI4K2B	0.02569743	0.1262806	0.1395832	0.0156163	0.0021758	0.0969821	-0.3600472	0.3600472
GNG7	-0.00434369	-0.2323804	0.0512142	0.06283705	0.02729464	0.02813744	0.3030106	-0.3030106
GPR141	0.016762	0.00199817	0.1892899	0.09533569	0.02267918	0.00258521	0.2005465	-0.2005465
TMEM86A	0.05369545	0.03200915	0.1404904	0.00259507	0.1217942	0.09025233	0.2355604	-0.2355604
TMEM243	0.03145763	0.02224228	0.08883468	0.08075593	0.00439484	0.05688475	-0.05360068	0.05360068
GRAMD2A	0.04398841	0.01374912	-0.01967635	-0.05742962	0.00622378	-0.00631553	-0.1443512	0.1443512
CMTM7	0.01121955	-0.03142812	0.00339677	-0.04073451	0.06873019	-0.00758145	0.1572388	-0.1572388
KTI12	-0.07882479	0.01398928	0.00837272	0.01228637	-0.05049257	0.02355164	-0.0707906	0.0707906
UFC1	0.03472731	0.00560784	-0.04854375	-0.00702769	0.0131743	-0.1055888	-0.04183861	0.04183861
MMP10	0.02513966	0.02862489	-0.02096475	-0.00182301	0.00336847	0.04767595	0.00987331	-0.00987331
C17orf75	0.05088184	0.02393902	0.07041527	-0.03977269	-0.00500575	0.0372228	-0.1414237	0.1414237
ZNF333	0.0537402	-0.09328239	0.1595985	0.06329182	0.1007303	0.05170501	0.3269385	-0.3269385
PTEN	0.0049892	-0.09127027	0.1736719	0.03075638	0.02033269	0.1096583	0.1097397	-0.1097397
SDHC	-0.05088362	-0.07798493	0.136196	0.0234723	0.06437223	0.02112317	-0.05986936	0.05986936
TRMO	-0.05187134	0.04406812	0.1016755	0.03550176	0.02131459	0.04626525	-0.07748943	0.07748943
ASB6	-0.06065073	0.07170085	0.05992951	-0.07687784	0.02517964	0.05253441	-0.01233529	0.01233529
FAM98A	-0.1150506	0.05320624	0.1625793	0.1009067	0.02852583	0.09656057	-0.1433174	0.1433174
EBAG9	-0.05858001	0.1464487	-0.00917473	-0.01347917	-0.00278967	-0.0827605	-0.1829206	0.1829206
ZNF227	-0.06693365	-0.106282	0.08977244	-0.04911534	-0.00478355	0.04578918	-0.04197731	0.04197731
CDH13	0.1124326	0.09120975	-0.00036408	-0.00417671	0.02182162	-0.00471231	0.2030259	-0.2030259
COG6	0.0523656	0.09255554	0.1351493	0.03652717	-0.01006492	0.1404174	-0.1709064	0.1709064

CD99L2	0.02212506	-0.1309381	0.00901292	0.09836959	-0.0013222	0.03818787	0.2972922	-0.2972922
MAP7D1	0.00249162	-0.1399144	0.06865438	0.06156924	0.03792341	0.06287249	0.4401495	-0.4401495
PARP15	-0.05320522	-0.06902221	0.04513366	0.05658231	0.04769374	0.04562306	0.1273477	-0.1273477
ZNF816	-0.05112819	0.06705131	0.09885265	0.06381565	0.02325463	0.09690733	-0.1248981	0.1248981
KTN1	-0.05190901	0.07395143	0.2135192	0.1051206	0.0089752	0.1736859	-0.04315999	0.04315999
RDH5	0.02046898	-0.1249891	-0.04650886	0.00240116	-0.03122239	0.01164725	0.06769466	-0.06769466
ABCB6	0.06810655	0.00114749	-0.07180155	0.00372164	-0.03708293	0.03241743	-0.1926258	0.1926258
LYPLA1	-0.0166712	0.06721207	0.08954629	0.01103587	-0.07249817	0.01341428	-0.2476074	0.2476074
MDN1	0.04406797	0.06788723	0.09974432	0.07469948	0.08693513	0.09146973	-0.1755974	0.1755974
TTF1	-0.01958679	0.0042695	0.1034767	-0.00154523	0.00259099	0.07406975	-0.08754258	0.08754258
ZSCAN20	0.02328661	-0.04137559	-0.00164294	0.09773969	0.03388259	0.08438542	0.02118847	-0.02118847
PHF20	0.05099869	0.00904437	0.111522	0.07710436	0.01019464	0.07614888	0.054396	-0.054396
TBC1D24	-0.04054056	-0.02853853	0.1710935	0.01932185	0.0096716	0.1011289	-0.07167845	0.07167845
MTERF1	0.01043831	-0.02858341	0.1016454	0.02098979	-0.01659425	0.1100011	-0.00145441	0.00145441
KMT5A	-0.01692249	-0.00031259	0.01251376	-0.01743771	-0.01536347	0.04079569	-0.1036539	0.1036539
RPF1	-0.1824619	0.1139306	0.04833955	-0.03300068	0.0368133	-0.01408769	-0.1400749	0.1400749
EPB41	0.02803253	-0.01821318	0.1040533	0.08763884	-0.00419885	0.1058298	-0.191282	0.191282
CXCL3	-0.00990867	0.1094426	-0.03705502	-0.1120505	-0.06106004	-0.1082401	-0.2123865	0.2123865
BUD13	-0.01518791	0.07829316	0.02784511	-0.02228036	-0.02479432	0.04368511	-0.1890668	0.1890668
EEF1AKNMT	-0.00161628	-0.02508327	0.07899506	0.08704634	0.04382945	0.1052458	-0.1596917	0.1596917
EDIL3	0.04441819	-0.03919142	0.1178612	0.09720457	-0.01202056	0.08497339	0.2666366	-0.2666366
GGACT	-0.05948012	0.02957086	0.03740192	-0.03110707	-0.035473	0.02961373	-0.01949567	0.01949567
RPS10	-0.01439115	-0.05248959	0.02612309	-0.00648024	-0.07387266	0.09218729	-0.03387878	0.03387878
CHST13	-0.03383171	-0.01073857	-0.02392224	0.02623846	-0.01599518	0.01060266	-0.03707207	0.03707207
SNCG	0.05059247	-0.0910336	-0.04419443	0.07088572	-0.01719101	0.04092435	0.2443132	-0.2443132
SAMSN1	8.20E-05	0.06111606	0.1908967	0.0771401	-0.03157209	0.05330212	0.09375543	-0.09375543
METTL1	-0.0330758	0.05325894	0.02141416	0.0353908	-0.00177352	0.08130775	-0.0418815	0.0418815
SSBP4	-0.04596644	0.06934943	0.04773772	-0.05811568	-0.04661649	0.05369825	-0.01978644	0.01978644
KPNA7	0.04952942	0.0098774	0.00767634	0.07877011	-0.05310175	0.05589243	-0.1417646	0.1417646
SLC35A1	-0.04714472	0.1254271	0.1112431	0.03140676	0.02545092	0.04448859	-0.1403622	0.1403622
MAPRE1	0.08405291	0.02988164	0.08702071	0.04133992	-0.00030231	0.03095869	-0.05544324	0.05544324
TRIM24	0.08037919	0.00916592	0.05983945	-0.02127624	-0.00175116	0.05869688	-0.207391	0.207391
THNSL1	-0.00148202	0.07410177	0.03995182	-0.01218491	-0.0113436	0.03201598	-0.2403613	0.2403613
SERBP1	-0.00099157	0.02931139	0.08738081	0.03281788	-0.01622702	0.06361954	-0.2477131	0.2477131
RAP1GDS1	-0.0295359	0.05332347	0.03965615	0.00084312	-0.0013321	0.01292992	-0.1421321	0.1421321
RASAL3	-0.06136778	-0.02770547	0.1209144	0.04665905	-0.00081334	0.09361248	0.1452518	-0.1452518
TMEM252	0.00164855	-0.1405927	0.038942	-0.01737781	0.03615591	-0.1005953	0.2508067	-0.2508067
DAZAP1	-0.02246617	0.07446399	0.07872589	-0.0162178	0.07942511	0.05151248	-0.139598	0.139598
ZSWIM1	0.07834159	-0.02218576	0.03088746	0.02412568	-0.0029363	0.06812387	-0.1106042	0.1106042
CD27	-0.08132515	-0.01852518	0.03828596	0.0106598	-0.00844892	0.06204945	0.02412868	-0.02412868
FGFR10P2	-0.01303536	0.01260294	0.1315342	0.1349543	0.01266773	0.1038143	0.02333446	-0.02333446
FBXO16	-0.05696945	0.07018237	-0.1093966	0.00346081	-0.02336513	-0.0406527	-0.1159174	0.1159174
CBFB	0.01846983	0.09209184	0.1761134	0.02545424	0.05505056	0.09598336	-0.08661721	0.08661721
FOXH1	-0.05930867	0.02480249	0.05020461	-0.01669137	0.00834044	-0.01087668	-0.1175402	0.1175402
GCNT3	-0.02865508	0.09617249	-0.00460421	0.0879455	0.06197602	0.07717933	-0.2399456	0.2399456
HOPX	-0.00055583	-0.1141324	-0.03675471	-0.03255097	-0.03688429	-0.03800975	0.2412964	-0.2412964
CPA2	-0.06554626	-0.05970871	-0.01221089	-0.1183207	-0.0413793	-0.09073763	-0.08895762	0.08895762
HGS	0.09145934	0.06940673	-0.04375149	0.02089913	0.02029932	0.06654814	-0.05836267	0.05836267
ADPRH	-0.05982707	-0.04669929	0.1122374	0.04834042	0.04629244	0.06403776	0.2627015	-0.2627015
ITGB1	0.00738268	-0.01637601	0.1600741	0.07993576	0.05254084	0.03739361	0.2719849	-0.2719849
UBE3B	0.02334671	-0.06456274	0.09739128	0.0391681	0.05665361	0.1049547	-0.03230318	0.03230318
TIMM9	-0.1087299	-0.01685881	0.09537779	0.06380545	0.04599293	0.1721763	-0.1563487	0.1563487
MED23	0.02518044	0.06740538	0.09033133	0.07948765	0.02140736	0.08595989	-0.1974693	0.1974693
TMEM94	0.09190593	0.06276029	0.00152088	0.03442654	0.06429768	0.06275799	-0.1239308	0.1239308
HNRNPR	-0.0482637	0.08948597	0.1046224	0.0271344	0.04461641	0.05106815	-0.1360194	0.1360194
CRIM1	0.0484997	-0.02948572	0.1709431	0.1164151	0.04581072	0.08744573	0.2336925	-0.2336925
KLF13	0.01889117	-0.04996421	0.1160867	0.03752136	-0.00525559	0.07565076	0.08671073	-0.08671073
RNF149	0.05747446	0.133936	0.08463094	0.01444537	0.00131937	0.05129294	-0.1367585	0.1367585
CD300A	-0.01535284	0.04346516	0.1491753	0.07450691	0.00452732	0.01631996	0.1408332	-0.1408332
NMRK1	-0.04678196	0.02199224	0.01016898	0.01748049	0.05012839	-0.0050291	-0.08239059	0.08239059
PRDX3	-0.09336041	0.1225763	0.01815132	0.03185103	-0.01524578	0.00149753	-0.2366081	0.2366081

SF3B1	0.02947118	0.1095784	0.162101	0.1299535	0.02764494	0.1416606	-0.1629137	0.1629137
TNPO2	-0.0042048	0.06351776	0.08262401	-0.037178	0.06934874	0.04466648	0.01767405	-0.01767405
COLCA2	0.07822677	-0.04520209	-0.00593774	-0.05931309	-0.05476492	-0.03418441	-0.1404683	0.1404683
SMURF1	0.09217076	0.01810474	0.01882662	0.06309126	-0.02867862	0.05174321	-0.06245736	0.06245736
TNFAIP8L2	-0.02389698	-0.06400822	0.1582525	0.02062809	0.00667556	0.02519109	0.2741686	-0.2741686
ZNF140	-0.06417314	0.0765963	0.046269	-0.02962817	0.0304736	-0.01732997	-0.03037993	0.03037993
DYRK4	-0.06103153	0.00934482	0.01107609	-0.03136073	0.07198539	-0.05340246	0.2165632	-0.2165632
PCGF2	0.07674171	-0.03114094	-0.00047434	0.04281935	-0.023097	0.0787633	0.0149675	-0.0149675
SLC35E2A	0.02812428	-0.03569427	0.04361758	0.1236994	0.05287766	0.06139683	0.1747994	-0.1747994
PTPN3	0.06690933	0.1280893	0.01502582	-0.03312055	-0.01694585	0.06008762	-0.2651374	0.2651374
AQP7	-0.01342076	-0.00725813	-0.06486277	0.03041325	-0.01725829	0.06538391	0.00680667	-0.00680667
MT1M	-0.00071918	-0.08095375	-0.1281158	-0.04748531	0.03475979	-0.1135827	-0.03325994	0.03325994
BUB1	-0.0569219	0.09352834	0.05299091	0.02132742	-0.01358418	0.06816316	-0.3003561	0.3003561
CXCL10	0.02148034	0.051536	0.154786	-0.00784345	-0.01326503	0.09817948	-0.00250451	0.00250451
PLPPR2	-0.03671669	-0.07278621	0.01230283	-0.04892473	0.00794336	-0.04436854	0.336259	-0.336259
SP3	-0.00238775	0.09194793	0.1744366	0.1010824	0.04257372	0.1039011	-0.1006419	0.1006419
STK4	0.04097041	0.04689726	0.1716943	0.1027937	0.05245311	0.1311656	-0.04689519	0.04689519
CCDC14	0.09507099	0.1320246	0.08152226	0.05501959	-0.03781056	0.1184202	-0.19564	0.19564
ITM2C	-0.04160186	0.07182818	0.1556569	0.05742087	-0.00391587	0.06699268	0.05649343	-0.05649343
ORC2	-0.00511461	0.1198599	0.05975376	0.02214621	0.05220054	0.07573387	-0.2368109	0.2368109
PLCH1	0.08456063	0.1104754	0.09904123	-0.00383363	0.05974378	0.06019581	-0.253354	0.253354
MANEAL	0.03402176	-0.00418278	0.05836925	-0.02599777	-0.04172289	0.05093816	-0.08772718	0.08772718
KLF9	-0.0200723	-0.08511447	0.1125748	0.08381852	-0.00986366	0.00783838	0.3314042	-0.3314042
ZNF345	0.00780733	-0.03645303	0.06409612	0.00278689	0.03268259	-0.02377121	0.04524307	-0.04524307
MDM2	-0.00021792	0.03098473	0.1257524	0.08112082	0.01605858	0.1024081	0.02796328	-0.02796328
ST6GALNAC5	-0.02298952	-0.1203175	0.1749393	0.0446683	0.01032472	-0.00822504	0.5776373	-0.5776373
IFI44L	0.00539571	0.01380989	0.1850252	0.1084557	0.00183771	0.07973104	0.2059965	-0.2059965
PMPCB	-0.03125531	0.03613495	0.06477902	0.08356329	-0.00947625	0.04770204	-0.1797721	0.1797721
TLCD1	-0.05302568	-0.00385955	-0.05623666	-0.01167074	0.09252032	0.03222162	-0.06883554	0.06883554
CANT1	0.01135825	0.1251331	-0.09397163	-0.05975377	0.01373672	-0.00742196	-0.2123686	0.2123686
NAPEPLD	0.01795023	-0.01304392	0.06895921	0.1155276	0.01100407	0.1122309	-0.132559	0.132559
NOMO2	0.02933159	0.02036123	0.0444502	0.0828553	0.02663199	0.05450699	-0.1315418	0.1315418
E2F4	0.0564231	0.1547931	0.02583104	-0.01673837	0.04939929	0.05938528	-0.2024903	0.2024903
PDZD7	0.05203767	0.02939365	0.04226062	0.05947052	0.01487777	0.08091917	-0.03475533	0.03475533
MAP3K20	-0.02173406	-0.08798901	0.1211179	0.03538622	0.03076695	-0.05404237	0.2877402	-0.2877402
TYROBP	-0.01170931	-0.06005265	0.1171711	0.00324114	-0.00980818	-0.01619903	0.3164489	-0.3164489
BICRA	0.0553884	0.01089354	0.03319674	0.04383052	0.00841224	0.07388016	0.05530855	-0.05530855
PDSS1	-0.07490278	0.1970844	-0.0399283	-0.02622257	0.03661801	-0.01991023	-0.3114409	0.3114409
NIFK	-0.1681436	0.1235322	-0.00193769	-0.01729494	-0.04018917	0.0205586	-0.2283629	0.2283629
SMPD3	0.06901804	0.1648961	-0.08177488	-0.03643313	0.04066201	-0.03045767	-0.2971741	0.2971741
CCDC43	0.0688726	0.08254613	0.05757665	0.01395984	0.08166643	0.0667551	-0.2272056	0.2272056
CETN2	0.03003695	-0.0273219	0.03220091	0.00428187	-0.00051559	-0.02182582	0.02704736	-0.02704736
NTRK2	-0.03964412	0.02615958	-0.1199925	-0.1147834	-0.00943671	-0.1121011	0.01454729	-0.01454729
SPRN	0.1227607	0.05485161	0.04102875	0.01674451	-0.00636205	0.05118757	-0.04240021	0.04240021
PDCD11	0.00201633	0.04408695	0.05211048	0.01925869	0.02898869	0.1065985	-0.1355576	0.1355576
SEC24A	0.02877358	0.08193974	0.09654256	0.1309622	-0.02778627	0.1402934	-0.1954374	0.1954374
NOP58	-0.05077516	0.05758569	0.1274061	0.05125919	-0.00585368	0.1260473	-0.2375269	0.2375269
TUBA1B	-0.1355383	0.02516237	-0.00251857	-0.01016619	0.00377562	0.03095566	-0.04555854	0.04555854
TGFBR2	0.08052684	-0.1487276	0.1758693	0.1091918	0.09239737	0.132286	0.2162445	-0.2162445
PLAC8	-0.1079714	0.06250405	-0.06135564	-0.0538092	0.04815168	-0.06877686	-0.1679198	0.1679198
TMEM240	0.00116058	-0.2059495	0.09797706	0.04851883	0.04673945	0.03414217	0.4808073	-0.4808073
HSD17B12	0.02337766	0.1398688	0.09866064	0.02149947	-0.01322211	0.02674256	-0.1551801	0.1551801
NR3C2	0.00476156	0.00741763	0.01573201	0.04042176	0.02811731	-0.03355341	-0.01978311	0.01978311
ZNF416	-0.06403241	0.09808429	-0.0375313	-4.93E-05	-0.00473708	-0.01669881	-0.01558514	0.01558514
DNAJC9	-0.03662642	0.05925582	0.00220228	-0.02086049	-0.03556317	0.04601319	-0.119112	0.119112
CCDC150	0.02753679	0.08788955	0.01549121	0.05925867	0.01943726	0.03578889	-0.1968417	0.1968417
GATAD1	-0.04164828	0.04718562	0.00769514	0.03190728	-0.04158958	0.06134383	-0.0253804	0.0253804
GDF15	0.04313318	0.1059059	-0.04079858	-0.06917793	-0.01497768	-0.0595526	-0.08198495	0.08198495
NFKBIA	0.0162788	0.04891855	0.0854262	-0.03102476	-0.04292763	-0.02631804	0.2173594	-0.2173594
PLD2	0.05872951	0.09779171	-0.03924395	-0.0332367	0.00019318	0.02445731	0.0411565	-0.0411565
PF4	0.06522381	0.01296317	0.0122561	0.016897	0.04216131	0.05837546	-0.05858664	0.05858664

CHD1L	-0.01351181	0.01602803	0.04368846	0.03618633	0.05876615	0.04843349	-0.2721594	0.2721594
C2CD4B	-0.01181142	0.09314598	-0.1350307	-0.06931456	-0.03204744	-0.1204691	-0.01672399	0.01672399
LAYN	-0.02551542	-0.1494597	0.1471201	0.02658243	-0.01772786	0.00184301	0.4770685	-0.4770685
METTL8	-0.01613984	0.00706958	0.1695593	0.07903967	0.02585432	0.04834302	-0.01745587	0.01745587
ZFYVE16	0.06367915	0.04102469	0.1797165	0.1114277	-0.03524722	0.09390104	0.00182282	-0.00182282
IFT122	0.0716503	0.00190787	0.05919876	0.07237767	-0.03177697	0.08029043	-0.08597653	0.08597653
MYH14	0.04296117	0.1337604	0.03037564	-0.07091219	0.04235172	0.01436231	-0.1835848	0.1835848
EPB41L4A	0.04378757	-0.02040359	0.01645221	0.06030915	-0.03981724	0.06432036	0.04590395	-0.04590395
FANCC	0.05798607	0.0561676	0.03215281	-0.07296403	-0.00044204	-0.02705983	-0.1070892	0.1070892
SSB	-0.1276985	0.1029749	0.1349898	0.05964668	0.00451263	0.05238305	-0.182861	0.182861
INSL3	0.08674784	0.02373627	0.06490987	-0.0096054	0.1453328	-0.03781138	0.00213039	-0.00213039
P4HA1	-0.10886	0.1000954	0.117474	0.03533044	-0.01004608	0.03076887	-0.06868166	0.06868166
RUNX1	0.08616457	-0.08477129	0.05895028	0.04732942	-0.03878631	0.07351225	0.1741346	-0.1741346
DNPEP	0.07094378	0.1068052	0.01491612	-0.01926911	-0.00762451	0.03951615	-0.1805197	0.1805197
ADGRB2	-0.1089178	-0.01526026	-0.02280706	-0.00107597	-0.03852304	0.01968421	0.1632427	-0.1632427
TRIP10	-0.05323025	0.07640715	0.04892534	-0.05384125	-0.01877947	-0.00076777	0.08033104	-0.08033104
FKRP	0.03151625	-0.05407436	-0.03313753	0.03806814	0.01873568	0.02609427	0.1623124	-0.1623124
TRA2A	-0.08349257	0.1087294	0.05446872	0.01572921	-0.00935491	0.05926195	-0.1617479	0.1617479
ATG16L2	0.06028307	0.1381562	0.04331562	0.04386413	0.06125829	0.0504461	0.00440016	-0.00440016
PRKAG2	-0.05377372	-0.06402928	0.0902663	0.05329241	-0.00755156	-0.01405044	0.05697857	-0.05697857
SLC39A4	0.06844331	0.04220418	0.00205462	0.1211719	0.03097851	0.1002591	-0.06623177	0.06623177
CD63	0.1115131	-0.1072926	0.1165021	0.06233579	-0.02495193	0.03568335	0.2300519	-0.2300519
RFX3	0.00965085	0.0234178	0.09043547	-0.00670684	-0.05536442	0.03576483	-0.09423498	0.09423498
CCL13	0.0020791	0.03870621	-0.00415956	0.00316066	0.0003551	0.01773989	0.1040135	-0.1040135
GOLPH3	0.07834468	0.06373498	0.00816697	-0.0250169	-0.03664469	-0.02525577	-0.04351185	0.04351185
DBR1	0.02274758	-0.04255902	0.05348922	0.03722643	-0.03425211	0.0130785	-0.05653369	0.05653369
RNF223	-0.00995838	0.0387937	-0.2006423	-0.01066549	-0.0598368	-0.07354892	-0.1465268	0.1465268
UBE2T	-0.1158585	0.1320156	-0.03073648	-0.1033902	0.01281951	-0.01122738	-0.3382296	0.3382296
SMIM10L2B	-0.08855902	-0.06379742	-0.01173735	0.01523338	-0.02029515	0.00355628	0.2027882	-0.2027882
FTO	0.03612223	-0.1376567	0.1794203	0.09946793	0.09127696	0.08371104	0.2860364	-0.2860364
DNAJC24	0.02306389	-0.06767359	0.1543036	0.06470042	-0.00678926	0.08546363	0.1587553	-0.1587553
SH2D3A	0.01717825	0.1189741	-0.02435419	0.00843457	0.04495706	0.03117811	-0.1157973	0.1157973
PPP1R14D	-0.07180181	0.07382229	-0.00424848	-0.00350924	0.00132882	0.00927973	-0.107201	0.107201
TMEM81	-0.02621852	0.03948088	0.08002494	0.04027451	0.02907679	0.08858996	-0.04613194	0.04613194
RBM48	-0.07362606	0.04900164	0.0106054	0.04199312	-0.03865032	0.06611866	0.00645921	-0.00645921
MRPS14	0.02109114	-0.04090804	0.03262513	0.03272081	0.05631966	0.04176349	-0.02221515	0.02221515
C12orf49	0.03694437	-0.06414788	0.03724814	0.06057681	-0.02165574	0.07173761	-0.07272531	0.07272531
RTBDN	0.09539226	-0.0480061	-0.04710557	-0.02666565	-0.00325717	-0.00424115	-0.01881062	0.01881062
FAM174B	0.1382795	0.00250636	-0.08862819	-0.0051622	-0.05093619	-0.0214526	-0.02443006	0.02443006
CYTIP	-0.05803506	-0.05287816	0.1027982	0.04168766	0.00863657	0.08530255	0.08470503	-0.08470503
ELMO1	0.05890316	-0.09892	0.08060129	0.07784282	0.06413247	-0.05457303	0.2342579	-0.2342579
RCHY1	0.00781561	0.09419735	0.1035617	0.00719687	-0.04057899	0.09822581	-0.06546489	0.06546489
FBXL7	-0.01406754	-0.13736	0.1339849	0.06044801	-0.00023478	0.01324682	0.5502374	-0.5502374
MLF1	-0.01268996	-0.01844055	0.00669412	-0.0247211	-0.02025692	0.03148075	0.04689433	-0.04689433
DEPDC4	0.04879926	0.0244075	-0.0165052	-0.03105696	0.03723124	-0.0307804	-0.1628507	0.1628507
MRPS36	-0.1114169	0.08027972	0.01823128	0.02557607	-0.1041	0.0672535	-0.05731071	0.05731071
ATP5MC3	-0.1295634	0.1336934	-0.00873539	0.02309995	-0.06206884	-0.00322617	-0.3001615	0.3001615
MID1IP1	-0.03143597	-0.03504479	0.04721343	-0.02331887	-0.04759074	0.0987112	-0.06944066	0.06944066
GNG10	-0.03665917	-0.02057916	0.04094276	-0.00750239	-0.0735363	-0.04844205	0.2042341	-0.2042341
WDR86	0.03271424	-0.08416977	0.04514743	0.0401772	0.01042419	0.00725472	0.4780849	-0.4780849
SNAPC1	-0.08762869	0.07279439	0.1061912	0.02522659	0.00179637	0.04814934	0.05106674	-0.05106674
ZSCAN16	0.0344554	0.1197447	0.03914082	-0.04136568	0.05058713	0.02693375	-0.1873906	0.1873906
HSDL1	0.03614992	0.05000339	0.03006726	-0.02196556	-0.00128624	-0.0275152	-0.00541347	0.00541347
HSPBAP1	0.03179716	0.07551516	0.09078458	0.04383814	-0.03051034	0.01586111	0.05866634	-0.05866634
TRAPPC5	0.01825067	-0.03119574	0.02592253	-0.08679221	0.0170797	-0.00432713	0.08528658	-0.08528658
PRKRIP1	0.0787808	0.01498082	0.01990319	0.0713323	0.05903575	0.02658328	-0.02051165	0.02051165
DEDD	-0.01534092	-0.00322157	-0.02856761	-0.043672	0.06203604	-0.08467226	0.06011715	-0.06011715
NCK2	0.08659953	0.06322868	-0.04568523	-0.04039039	0.111469	-0.07114886	-0.00816097	0.00816097
SYNM	-0.06650948	-0.1464605	0.07415855	0.00666791	0.02046944	-0.0497037	0.270559	-0.270559
S100A11	-0.0437163	0.03657144	-0.08889228	-0.08319078	0.03448087	-0.02213287	0.03411393	-0.03411393
PINK1	-0.04501759	-0.05491649	0.02406991	-0.00846475	0.05336347	0.02269316	0.2594461	-0.2594461

C2CD3	0.08326298	0.03120866	0.04376291	0.04235357	0.00658086	0.1005764	-0.04837985	0.04837985
ZNF620	-0.03222679	-0.01518481	0.02732373	0.02877968	-0.02337788	0.05050089	-0.0378012	0.0378012
NDUFAF3	-0.08398997	0.02415357	-0.0524891	-0.08004769	-0.04675977	-0.02082033	0.1278449	-0.1278449
DDX51	0.04252482	-0.0039693	0.05604245	-0.0003861	0.05339357	0.0692297	-0.0737751	0.0737751
GLUD2	0.06224987	-0.06302561	-0.01251301	0.02064279	0.05403312	0.03128834	-0.05965413	0.05965413
MNAT1	-0.07445913	0.01630078	0.04253619	0.02961996	0.01619556	0.1079128	-0.09428791	0.09428791
IL1RL1	0.05735201	-0.02217447	0.00140979	0.04518838	-0.00274103	-0.0481546	-0.06005826	0.06005826
GTF3C5	-0.02789671	0.1269419	-0.08805209	-0.110592	-0.05767124	-0.05867194	-0.1944102	0.1944102
PIGBOS1	0.06633125	0.07447818	-0.02170957	0.04447533	-0.02504522	-0.09703545	-0.09337929	0.09337929
FABP1	0.00329413	0.00348951	0.04205116	0.08194882	0.00855309	0.0643304	-0.1556334	0.1556334
SEC22B	-0.02047398	0.06523636	0.1080355	0.07875468	-0.02533414	0.01684165	-0.01862388	0.01862388
TRANK1	-0.0495522	0.07806511	0.1173091	0.07710114	0.02094962	0.1170715	0.1342837	-0.1342837
NCF1	-0.02350729	-0.06167673	0.09329328	0.02094837	0.02065686	0.0283395	0.1630025	-0.1630025
LAPTM5	-0.05243279	-0.00538712	0.1429655	0.05017816	0.00888342	-0.00134565	0.1732531	-0.1732531
SLC6A6	0.07431954	0.00574461	0.08365205	0.03814406	0.03240966	0.04526029	0.1901298	-0.1901298
SCEL	0.04394153	-0.02423017	-0.1775257	-0.06315144	-0.03019541	-0.06191586	-0.08650957	0.08650957
OGFRL1	0.03112817	-0.05636114	0.08171991	0.0508102	0.01050119	-0.00546553	0.2059197	-0.2059197
PER2	0.06364993	0.05778572	-0.02598036	0.01845288	-0.0081128	0.05671733	-0.1481854	0.1481854
PTPRK	0.04504211	0.07576669	0.09903617	0.09385727	0.05143541	0.09816392	-0.07890403	0.07890403
HOOK2	0.1385575	0.1468356	-0.06907057	-0.0227692	0.08488865	0.01005542	-0.2649484	0.2649484
C18orf32	-0.109216	0.00177171	0.07553699	-0.00058465	-0.03195286	0.03189278	0.2138634	-0.2138634
ZNF697	0.04492216	-0.08486193	-0.02164764	-0.03418084	-0.02728147	-0.00186369	0.00599227	-0.00599227
TCEAL1	0.04932984	-0.1086458	0.02869955	-0.07800116	-0.04182517	-0.07184265	0.2543229	-0.2543229
ZNF33A	0.08583919	0.08832847	0.1425767	0.05093853	0.00374132	0.08892633	-0.0819882	0.0819882
SPIDR	0.05334023	0.06171633	0.01463578	-0.00678592	-0.02718508	-0.08555049	-0.1318448	0.1318448
ZNF550	0.00595883	0.09963199	0.0001572	0.07810657	0.03826514	0.05154286	-0.00725531	0.00725531
TAS2R5	0.07406956	0.06543965	-0.01265131	0.094766	0.0607469	0.01394267	-0.08818981	0.08818981
SLC35B1	0.01036658	0.1571726	-0.06852711	0.0094667	0.04223859	0.0029136	-0.1944758	0.1944758
MCM8	0.08332852	0.07180197	0.05213771	-0.00403702	-0.00340345	0.04399413	-0.1653772	0.1653772
ZNF483	-0.01297967	-0.1369938	0.1278446	0.08912138	0.02876984	0.05436364	0.2701841	-0.2701841
C12orf73	-0.00092316	0.01291986	0.0652125	0.03325894	0.001318	0.08502724	-0.0858037	0.0858037
AHR	0.022983	0.00311416	0.2281404	0.1068413	0.05289619	0.1525975	-0.01559224	0.01559224
AC008687.4	0.02579322	0.04908381	-0.07463066	0.052169	-0.00090858	-0.00198353	-0.04036863	0.04036863
RABL2B	-0.01568508	0.00436361	0.07954944	-0.02924331	0.00117068	0.06799433	0.02294289	-0.02294289
ANK2	-0.01379847	-0.1841222	0.1193087	0.05020092	0.01889725	-0.04525492	0.36844	-0.36844
ANKS3	0.07161478	0.04304894	0.05969513	0.05467299	0.07232033	0.06532868	0.1480468	-0.1480468
SLC35A3	-0.07168712	0.181694	0.04364712	0.04951499	-0.04460575	0.01414163	-0.3716556	0.3716556
IDH2	0.04897943	0.08652815	-0.1030924	-0.143138	-0.01827217	-0.07447956	-0.2059565	0.2059565
NANOS1	-0.04293211	-0.1120656	-0.02796585	0.00915367	-0.04708149	0.01027168	0.1779016	-0.1779016
GPA33	-0.07448299	0.1701333	-0.00762223	-0.06572111	0.0307731	-0.00596764	-0.1545222	0.1545222
GNL1	0.01308022	0.04326779	-0.00887177	-0.0083966	-0.02547528	0.00069991	0.05875333	-0.05875333
ELK4	0.08417274	-0.01931956	0.2270992	0.1380139	0.09480329	0.1218972	0.0755221	-0.0755221
ELP1	0.03254996	0.04669902	0.04837449	-0.00414539	0.01025012	0.08233054	-0.1421596	0.1421596
GPR137B	-0.06473879	-0.00083834	0.08811299	0.0575152	-0.03320755	0.06735963	0.04334131	-0.04334131
FLI1	-0.03126444	-0.06941569	0.169179	0.07682597	0.04034844	0.074374	0.2969284	-0.2969284
CLP1	-0.06069855	0.07050952	0.02583653	-0.00890013	-0.01839891	0.01759687	-0.1437893	0.1437893
TRUB1	-0.00801985	0.0602822	0.06083432	0.00042828	-0.02521173	0.02710452	-0.1928506	0.1928506
PACSIN2	0.07338647	-0.00540506	0.04267202	-0.02841431	0.08681581	0.02951911	-0.0413544	0.0413544
SPC25	-0.1124757	0.1506622	-0.00706802	-0.05578897	-0.05248992	-0.02522711	-0.2957091	0.2957091
MRPS18C	-0.09141712	0.08821512	0.06135939	0.02113695	-0.01462582	0.04516496	-0.2098045	0.2098045
BLMH	-0.03033481	0.01476717	0.024138	0.04206386	0.1508416	0.05492186	-0.0852196	0.0852196
MCUB	-0.1301588	0.01532404	0.1643163	-0.04241496	0.03024584	0.02239022	0.07548391	-0.07548391
OVGP1	0.116921	0.02027802	-0.01106205	0.04631573	-0.0128595	0.06031895	-0.1022835	0.1022835
PCDH18	0.08440453	-0.06962355	0.2045611	0.113643	-0.01635936	0.06110271	0.3027952	-0.3027952
UGT1A6	0.07643509	-0.02914995	-0.06692285	0.02740159	-0.03050498	0.01655279	-0.044856	0.044856
DCAF1	-0.03762616	0.04085555	0.1254063	0.021224	0.01236221	0.1132731	-0.1854432	0.1854432
RETSAT	0.03708489	0.01033	-0.02890044	0.02244566	-0.04089782	0.02538346	-0.2493975	0.2493975
ABHD17B	-0.02026729	0.02742135	-0.00560502	0.07036322	-0.03714988	0.02832207	-0.07188606	0.07188606
MAP3K4	0.04939065	0.06142951	0.02540658	0.03066326	0.00298985	-0.02154742	-0.05826968	0.05826968
LIN7B	0.00073805	0.101078	-0.0698103	-0.1035785	0.03683168	-0.09178523	0.05394126	-0.05394126
TSPAN9	-0.06724764	-0.07746682	0.02586212	0.07656538	-0.01781211	0.04526575	0.220955	-0.220955

CCAR2	-0.0229889	0.05563655	-0.06997194	-0.07665259	-0.0492409	-0.0694862	-0.08484997	0.08484997
SDF4	0.00931011	0.08390186	-0.05969896	0.01330877	-0.00854916	0.00382023	-0.07781398	0.07781398
VSIG4	0.01961446	-0.04750182	0.1826879	0.07243411	-0.0129529	-0.05215444	0.2202217	-0.2202217
CHRM3	0.08368642	-0.05700643	-0.00585213	-0.06508019	0.00504404	-0.06175517	0.09894781	-0.09894781
TRAF2	-0.0295403	0.1514816	-0.00851217	-0.05207426	-0.00716379	0.06220248	-0.07523489	0.07523489
VASH2	0.02945313	0.00904662	0.04222174	0.1169946	0.01399607	0.01833293	0.1619906	-0.1619906
SPRR2A	-0.02072446	0.00237091	-0.11851	-0.04774753	-0.0381738	-0.04023231	-0.05703637	0.05703637
CHD3	0.07204865	-0.04923573	0.1449316	0.07028344	0.07756003	0.09230427	0.2194291	-0.2194291
HTR2A	0.029094	-0.1435306	0.1546109	0.07740822	-0.01768791	-0.0490599	0.5133742	-0.5133742
INHBA	-0.0025756	0.03345988	0.1289709	0.00243827	-0.02259917	0.02061108	0.5167539	-0.5167539
SLC6A16	-0.0988673	-0.1523987	0.05224018	0.01506133	0.05064591	0.02006694	0.1856746	-0.1856746
PDAP1	-0.00782255	-0.01204877	-0.01430197	0.02558569	-0.03444272	0.00212675	0.01171156	-0.01171156
TFR2	-0.08772492	0.00331057	0.02422353	0.01314814	-0.02488115	-0.01167593	-0.09590345	0.09590345
MECP2	0.06444681	-0.0899727	0.04512521	0.04224769	0.03176882	0.04735235	0.27157	-0.27157
CNOT6L	0.010781	0.01353525	0.1593714	0.03880172	0.00543094	0.04021564	-0.02853756	0.02853756
AASDH	0.01791094	0.0113796	0.0925069	0.05331693	0.01208044	0.09911539	-0.1515544	0.1515544
HDAC10	-0.05712151	0.1688604	-0.07449732	0.00192615	0.01050511	-0.02083692	-0.09231994	0.09231994
C6	0.05877714	-0.02397506	-0.0095734	-0.03399662	0.0056136	0.00733667	0.06298947	-0.06298947
GPX4	-0.06294672	0.03308722	0.03424453	-0.04506938	0.00088915	0.00349275	0.2516269	-0.2516269
NCAPD3	-0.05493143	0.07213748	0.09779587	-0.01935678	-0.0159547	0.09087451	-0.2601282	0.2601282
SCRG1	-0.01775799	-0.1757444	0.1057529	0.04074003	0.05000285	-0.07938784	0.3756623	-0.3756623
GNB2	0.04919166	0.08177918	-0.02252878	-0.00383521	-0.01417265	-0.01060954	-0.05053438	0.05053438
ZFP91	0.00855219	0.07323322	0.1358631	0.03226889	-0.0275748	0.04737355	-0.08152071	0.08152071
PTCD1	0.04220093	0.09460609	-0.05198542	0.01429408	0.01380858	-0.02247069	-0.139561	0.139561
SOX12	-0.01388229	0.01939154	-0.0376692	-0.06824046	-0.03391704	-0.02757913	-0.00347081	0.00347081
CYP27A1	0.04281591	0.02344533	-0.05996069	-0.06274385	-0.00805311	-0.05612976	0.03681642	-0.03681642
POC1A	-0.1244399	0.07524043	-0.03311454	-0.06505687	-0.02578212	0.01033388	-0.318687	0.318687
GGCT	0.04968125	0.07751721	0.05625252	-0.0126255	-0.00179775	0.01823516	-0.3255067	0.3255067
RPP25L	-0.1086419	0.0853784	-0.02436729	-0.08052567	0.05406614	0.08372271	-0.1705388	0.1705388
SLC7A6OS	0.01634368	0.05351429	0.06210971	-0.00936658	0.07721502	0.05239555	-0.00152196	0.00152196
C16orf58	0.09974977	0.05344955	-0.02498763	0.03237019	0.09761653	0.0119379	-0.04320638	0.04320638
ADAMTS17	0.00789891	-0.01784885	-0.0363189	0.02994193	-0.02338853	0.07084911	-0.07537644	0.07537644
TGIF1	-0.01061196	0.06110493	0.01736447	-0.02853206	0.0221595	-0.01682198	-0.00969758	0.00969758
GGN	0.00531999	-0.02027747	0.00696336	0.0881253	0.06064393	0.1047118	0.2596765	-0.2596765
AP5Z1	0.1228684	0.09324631	0.05272523	-0.01914742	0.00933151	0.036539	-0.09665746	0.09665746
CENPI	-0.01314183	0.05488803	0.06213367	0.00682936	-0.00859083	0.09962607	-0.2566081	0.2566081
IAH1	-0.094751	-0.03397132	0.1272487	0.00903964	0.07862651	-0.0169212	0.1133234	-0.1133234
RBL1	0.00711169	0.07971263	0.1125191	0.0310473	0.03093284	0.101693	-0.2068916	0.2068916
CEND1	0.02013567	-0.05768086	0.1021733	-0.0012564	-0.04157145	0.06860388	0.1260679	-0.1260679
ARPC5L	-0.00841058	0.06958847	0.01027436	-0.04463026	-0.04489621	0.03751225	-0.1972684	0.1972684
MIEF1	-0.01806696	0.04569366	0.06148606	0.00579274	0.02996218	0.08055662	-0.1919734	0.1919734
MYDGF	-0.04121101	0.1206003	0.06640205	0.05159866	-0.04770201	0.01397874	-0.02786601	0.02786601
DUOX1	0.05357727	-0.0070215	-0.2097456	-0.07249486	-0.01196597	-0.08782725	-0.1452906	0.1452906
EHD3	-0.03971836	-0.02744892	-0.05142646	-0.02289038	-0.02469855	0.01134388	0.07555316	-0.07555316
DIP2A	0.06092904	-0.0031512	0.1136905	0.05998133	0.0061419	0.1187654	-0.08931519	0.08931519
CCDC66	-0.02343998	-0.01047196	0.1890015	0.05697238	0.02491769	0.08458582	-0.02307623	0.02307623
ATP9A	0.1722194	0.03523386	0.09000737	0.05572719	-0.06301719	0.04177392	-0.04916951	0.04916951
HIKESHI	-0.132876	-0.04323696	0.02824652	0.06039544	0.01843523	0.04064708	0.09441223	-0.09441223
BEND6	-0.02472559	-0.1714548	0.1985528	0.08544016	-0.01585846	-0.01232417	0.5623362	-0.5623362
DDX41	0.02858043	0.1192771	-0.01699537	0.00850549	0.07245761	0.05955121	-0.03333968	0.03333968
FAM3C	0.00865981	0.01312636	0.1325951	0.120179	0.03429993	0.09013769	-0.00016384	0.00016384
SEC31A	0.07203955	-0.1024063	0.0408599	0.1484248	-0.03116201	0.03668532	0.1313896	-0.1313896
TRAM2	-0.0317515	0.01700916	0.1189215	0.08468526	-0.03447399	0.08349867	0.1200526	-0.1200526
AOPEP	-0.0450975	0.0198718	-0.02763978	-0.07609799	-0.02066879	-0.07357051	0.2296464	-0.2296464
SIX5	-0.06719759	-0.07788138	0.00988662	0.05382234	-0.00945201	0.04423378	0.1946537	-0.1946537
TSPAN2	-0.06695668	-0.1029123	0.1224089	-0.02831198	-0.00871079	-0.00691157	0.3187807	-0.3187807
GPR176	0.07733822	0.00629527	0.00717969	0.02617491	-0.00620141	0.04486769	0.3058945	-0.3058945
WDR41	-0.04324937	0.08252606	0.1516049	0.04878457	-0.02362303	0.08567343	0.02228335	-0.02228335
TMEM218	-0.115613	0.01674734	0.03859963	-0.00853944	-0.07476136	0.00212704	-0.01623723	0.01623723
PFKFB3	0.06119887	0.04877902	0.04653317	0.09730519	0.07362671	0.07443878	0.06072647	-0.06072647
ANAPC10	0.02647072	0.0271785	0.03409507	0.03842578	0.06541568	0.07546711	-0.01822162	0.01822162

RAB11A	-0.01033617	0.09124375	-0.02129404	-0.05091501	-0.01758491	-0.00403136	-0.2526284	0.2526284
PSMD12	-0.03724562	0.08486103	0.05900134	0.04611156	0.00563403	0.08641135	-0.2064745	0.2064745
DNAJC5	0.107811	0.06715462	-0.03286831	-0.00216553	-0.01349766	-0.00764428	-0.1587495	0.1587495
TSGA10	0.1210144	0.06049538	-0.05591215	-0.03587496	0.01978325	-0.02735877	-0.1917698	0.1917698
PUS7L	0.02316501	0.0535941	0.1399505	0.108269	-0.01964573	0.1619676	-0.2067255	0.2067255
SNRNP40	-0.08376133	0.07234713	0.01217788	-0.02324997	-0.01107396	0.00847363	-0.115481	0.115481
TNK1	-0.05697885	0.1619667	-0.149041	-0.02024073	-0.03230442	-0.02892077	-0.277092	0.277092
UBE2L3	-0.1312458	-0.03439979	0.01444429	-0.08502033	0.00815519	-0.00136764	0.03145085	-0.03145085
CCT6B	0.1391964	-0.00315731	0.0675595	0.0021628	0.04613155	0.01109886	-0.1273359	0.1273359
ALDH18A1	0.00283275	0.02324685	0.03937962	0.01028414	0.01215237	0.04747403	-0.2421607	0.2421607
KDSR	-0.0626907	0.07184844	0.1793283	0.01519008	0.05943659	0.04548089	0.08534211	-0.08534211
TMEM134	-0.04207142	0.04779673	-0.1012496	-0.1092369	-0.07157821	-0.01764232	-0.02793882	0.02793882
AKR1A1	0.08781438	0.06718911	0.00680436	-0.00563829	-0.09098114	0.00018899	-0.2258364	0.2258364
HAUS4	0.00654933	0.1016071	-0.00417	-0.01477671	0.05135383	0.02971629	-0.1443351	0.1443351
C22orf39	-0.02362613	-0.1220077	0.09510376	0.00754968	0.02705754	-0.02041689	0.2730124	-0.2730124
TP53INP2	0.06946412	-0.03536904	-0.02189284	0.00294001	-0.01199314	-0.04403518	0.05495371	-0.05495371
ERCC1	-0.05502303	-0.02197826	-0.09187261	-0.02611917	-0.00786029	-0.0616352	0.2116449	-0.2116449
EIF3J	0.03453498	-0.02312641	0.1382145	0.04183654	-0.03516024	0.09276228	-0.1775604	0.1775604
NCDN	0.03045141	-0.06526228	0.05410922	0.1252641	0.03483895	0.1023535	0.1492007	-0.1492007
SNAPC2	-0.08790168	0.0179549	0.00337658	-0.06972112	0.00994174	-0.06109176	0.3396169	-0.3396169
PRPF8	0.0062127	0.0623289	0.0772823	0.07527344	0.01126885	0.06800286	-0.08198794	0.08198794
NGFR	0.01386688	-0.1166911	0.05024584	0.01348846	0.04417784	0.00276202	0.2892499	-0.2892499
SDHAF2	0.07698664	0.08088105	0.0337209	0.05540378	-0.01078238	0.04711561	-0.06011814	0.06011814
NOTCH4	0.1079501	0.05447875	0.08926538	0.04945668	0.05862356	0.06439451	0.2839853	-0.2839853
NDRG3	0.02326752	0.01921899	0.07398107	-0.01493494	-0.03869479	0.02931647	-0.1297219	0.1297219
ZCWPW1	-0.00357053	-0.08447376	0.06029129	-0.02897815	0.01557032	0.00713861	0.01305329	-0.01305329
MAPRE3	-0.03822079	-0.06702192	-0.08244791	0.00193315	0.00997125	-0.01756337	0.2079124	-0.2079124
IFI27L1	-0.01230855	0.08710726	-0.02874912	-0.05415719	-0.08560259	-0.0057254	-0.1818104	0.1818104
RPL7	-0.03848026	0.03269259	0.0592645	0.02556021	-0.1267667	0.0364009	-0.1545761	0.1545761
VPS52	0.04803526	0.07581134	0.01575181	0.07544873	0.03437348	0.05386193	-0.1576753	0.1576753
PDZRN3	0.02386602	-0.1500617	0.06185288	0.01880678	-0.00601355	-0.04015744	0.4388245	-0.4388245
MORC4	0.00203803	-0.03443793	0.108644	-0.048791	-0.01275193	0.08709608	-0.1253681	0.1253681
ASCC1	-0.03033577	-0.0085659	0.08460827	0.1098255	-0.04020589	0.1156803	-0.03862426	0.03862426
SVEP1	0.00210986	-0.1624195	0.1685676	0.1565211	0.05680714	0.00529834	0.4307456	-0.4307456
TRAPPC13	0.07761864	0.05864155	0.1323558	0.0615693	-0.01542053	0.07582471	-0.1287818	0.1287818
BEND7	0.00890488	0.05242878	0.1369198	-0.07744464	0.02678083	0.03063785	-0.1476441	0.1476441
CYP4F11	0.06553197	0.01594319	-0.02075973	0.02378351	-0.01318582	0.01757901	-0.0955155	0.0955155
FAM151A	0.06168868	-0.09624594	-0.03504272	-0.0700885	0.0300292	-0.05009779	-0.01038849	0.01038849
HOXC11	-0.04668736	0.1096074	-0.00344335	0.02006084	0.00903096	0.0578035	-0.1334514	0.1334514
TAF12	-0.0969743	-0.00757331	0.05036438	-0.02908265	0.003369	0.04035731	-0.04083929	0.04083929
CLDND2	-0.1198818	0.02753035	-0.00031714	0.04835713	-0.02793511	-0.02134455	-0.02856171	0.02856171
CHAMP1	-0.07107295	0.04319379	0.08187337	0.07086864	0.00132651	0.145659	-0.1963181	0.1963181
METTL6	-0.07104218	-0.01747128	0.05420415	0.02915217	0.04828135	0.0264381	0.09226073	-0.09226073
ELL2	0.08201752	-0.06739891	0.03959314	0.09971156	-0.04283755	0.01036184	0.1233891	-0.1233891
DNAJB9	-0.02512494	0.02203115	0.1454708	0.1024902	0.0221774	0.1018134	0.1039285	-0.1039285
SH3GLB2	0.06382533	0.09489782	-0.08737564	-0.07592528	-0.03801706	0.02554491	-0.1019253	0.1019253
FAM114A2	0.04079562	-0.05491928	0.185936	0.1148647	0.03151428	0.06732749	0.1781644	-0.1781644
RHOBTB2	-0.09162558	-0.10867	0.03038157	0.03472032	0.01324527	0.07152083	0.10009	-0.10009
GFPT1	0.01431655	0.1555322	0.0439912	0.03965152	-0.03935544	0.01396257	-0.2936073	0.2936073
AMDHD1	-0.08000962	-0.03608123	-0.03985676	-0.0319232	-0.03173197	0.00791773	-0.03489634	0.03489634
TMX3	-0.00748773	0.1407879	0.1840893	0.06413146	0.04317895	0.06869555	0.04777488	-0.04777488
CDK9	-0.07668485	0.06196168	0.03576187	-0.04349226	-0.02191888	0.05602625	0.05017314	-0.05017314
DTWD2	-0.00364139	0.00182884	0.131065	0.09238636	-0.04718008	0.08276961	-0.1017653	0.1017653
DZANK1	0.08206083	0.01075361	0.00177518	-0.04137576	-0.01323256	0.02184531	-0.01442781	0.01442781
KCNIP3	-0.01416677	-0.1278478	0.03298301	-0.03168516	-0.03481079	-0.00065864	0.1111163	-0.1111163
KLRC1	0.04436523	0.09873959	0.1030954	-0.00509653	0.03133639	-0.04692214	0.0399505	-0.0399505
CC2D2A	0.02077493	-0.1462734	0.1591546	0.1136412	0.05106256	0.02638535	0.4210043	-0.4210043
PSMA6	-0.05943208	0.1639964	0.1241034	0.01188586	-0.04204238	0.06011082	-0.1714309	0.1714309
NSG1	0.04560496	0.00743853	-0.0848407	-0.04425957	-0.03357726	0.01407618	-0.1242406	0.1242406
CXADR	0.01711698	0.04736039	0.04814818	-0.01726953	0.04010178	0.01453729	-0.175335	0.175335
DUSP15	0.00763753	-0.03071963	0.02241359	0.01520635	-0.02543652	0.05610303	-0.03230788	0.03230788

CERS2	0.02844799	0.02616305	-0.01004363	-0.00884619	0.01129223	0.00115775	-0.05256354	0.05256354
IPO8	-0.0335087	-0.00655723	0.08560208	0.116447	0.07328942	0.0927003	-0.01722705	0.01722705
ZNF26	0.08287656	0.04087858	0.07056625	0.04980671	0.02497001	0.01440928	-0.03361814	0.03361814
SHROOM4	0.09944773	0.02195903	0.0602556	-0.00105341	0.08902016	0.05087143	0.1935987	-0.1935987
PSPC1	-0.04147227	0.06431835	0.06871753	0.02334101	-0.00832976	0.09240618	-0.1925238	0.1925238
AOC1	0.02434597	0.01673069	-0.01764653	0.00177366	-0.0380923	0.002542	-0.150738	0.150738
IL1A	0.0228902	0.02760617	-0.1074722	-0.05488489	-0.03919697	-0.03825565	0.03202802	-0.03202802
PCDHGA12	-0.03301253	-0.1157275	0.1999663	0.06946173	0.01504061	-0.00143895	0.5140024	-0.5140024
ASS1	-0.06450698	0.1444108	0.06203698	-0.1101672	-0.00581873	-0.02275513	-0.08560812	0.08560812
NLRX1	-0.00576753	-0.04278461	-0.05397605	-0.03588592	-0.01912467	-0.01625672	0.05635253	-0.05635253
KMT2D	0.06631372	0.01781595	0.02280689	0.01555515	-0.02226589	0.0938999	-0.03068329	0.03068329
SFSWAP	0.04801419	0.02214789	0.08444391	0.02717499	0.02559616	0.1049499	-0.03155632	0.03155632
ZBTB7A	-0.03454401	0.01464174	0.07710929	-0.01426137	-0.05736958	0.02885476	0.05595273	-0.05595273
TMEM106B	0.0328696	0.08885191	0.2067157	0.07340141	-0.02620887	0.07353642	-0.07491064	0.07491064
PLEKHH2	0.0121662	-0.05301414	0.1303243	0.06110208	0.141905	0.03706803	0.1763805	-0.1763805
PFN1	-0.1427224	0.04990361	0.00849552	-0.03541993	-0.08817454	0.00483429	0.04957742	-0.04957742
FIGNL2	0.03822695	-0.05110686	-0.01588458	0.06937298	-0.00357588	0.04028314	0.1065318	-0.1065318
EIF5B	0.05449098	-0.00391953	0.1293477	0.05881126	0.01431346	0.06085721	-0.09686745	0.09686745
LGALS3BP	0.04178115	0.03708187	-0.03764683	0.01338432	-0.0006744	0.03486559	-0.0390989	0.0390989
ENTPD5	-0.01236162	0.02303144	-0.02578758	0.02484268	-0.00858586	0.0033784	-0.170788	0.170788
BOP1	-0.05901037	0.1136559	-0.0181564	-0.05594748	-0.02310242	0.04785636	-0.2155368	0.2155368
C6orf163	0.02920839	-0.05886155	0.07638843	0.09469394	0.04942289	-0.01662772	0.05622045	-0.05622045
MISP3	0.1004025	0.05089219	-0.1964777	-0.1732207	-0.02346808	-0.1451255	-0.1973012	0.1973012
DGAT1	-0.03917498	0.1624735	-0.02165694	0.01006738	-0.03278681	-0.01523369	-0.3050655	0.3050655
SYNE4	0.0054579	0.1139445	-0.08760749	-0.01861846	-0.00327878	-0.05130768	-0.1597828	0.1597828
FZD10	0.06548648	0.00344977	-0.05918956	-0.04454679	-0.03769795	-0.0102895	-0.02712445	0.02712445
MAN1C1	-0.01094582	-0.1512229	0.1266116	0.05877772	0.00844306	0.01025758	0.4385574	-0.4385574
MIXL1	-0.111703	0.01142451	0.01650035	-0.00172001	0.00024365	0.06579775	-0.02270607	0.02270607
GLRX2	-0.1308243	0.05821426	0.08689969	-0.04150716	0.03940372	0.04638134	-0.2299147	0.2299147
XRN1	-0.00126458	0.1334471	0.2331254	0.06655264	0.00441576	0.1192229	-0.1311511	0.1311511
RFX1	0.09164488	-0.01664418	-0.05029408	0.01730285	0.03579425	0.03980414	-0.03382129	0.03382129
FEZF1	-0.00989776	0.1447691	0.03393195	-0.00743942	0.1122058	-0.00897218	-0.1146259	0.1146259
CERCAM	-0.02286421	-0.0367605	0.02624933	-0.03048173	-0.02111236	-0.00840339	0.5469762	-0.5469762
APOBEC3G	-0.06428917	-0.03229646	0.1843434	0.01604636	0.00521762	0.1003547	0.145485	-0.145485
EPHA1	0.1064926	0.03375344	-0.04277096	-0.0553187	0.04890248	0.03018003	-0.1532307	0.1532307
KLHDC7A	0.1225855	-0.08907113	-0.07994538	0.0140669	-0.05351426	0.0476082	-0.01140799	0.01140799
VAMP5	0.0407032	-0.01328865	0.1217106	0.03508023	-0.01677464	0.04455578	0.3618922	-0.3618922
LINS1	0.03049203	0.06259225	0.05942182	0.04502912	-0.03878626	0.1289363	-0.12004	0.12004
RPS11	-0.08199187	-0.01617074	-0.02167812	-0.00939187	-0.07046855	-0.01274059	0.00501217	-0.00501217
PTPRE	0.06395883	0.00087114	-0.05468412	-0.08246461	-0.04477676	-0.06993834	-0.0389071	0.0389071
ORM1	-0.02908301	-0.0659076	-0.03062566	0.01063717	-0.03748855	-0.01974651	-0.08572762	0.08572762
BRPF3	0.06723552	0.01244588	0.05175954	0.05025212	-0.00783255	0.07281202	-0.06716169	0.06716169
PTBP1	-0.02029946	0.0771882	0.04125289	0.00774182	0.04259657	0.08245407	-0.1951052	0.1951052
AHI1	0.02052619	0.05998352	0.07345074	0.06098803	-0.00730153	0.02158799	-0.08287447	0.08287447
IL7R	-0.00763316	-0.04497307	0.1023087	0.04506388	0.01919258	0.03309369	0.1924907	-0.1924907
ADARB1	-0.05807821	-0.1295972	0.1455817	0.07271324	0.0021395	0.07345105	0.3956282	-0.3956282
CDC27	-0.05308519	0.04593919	0.161744	0.07363021	0.0338592	0.1182443	-0.100184	0.100184
EGLN1	-0.02404506	-0.06870699	0.1533038	0.0509737	0.02136912	0.07863955	-0.04404277	0.04404277
SEPTIN11	-0.01955113	-0.02619135	0.2259517	0.08858407	0.01838225	0.07859749	0.2189568	-0.2189568
LCK	0.0085788	-0.00893729	0.07025948	0.00386693	0.03740616	0.09272908	0.06397296	-0.06397296
DGCR6	-0.04003995	0.05566656	0.03083101	-0.09990652	0.01644633	0.05694865	0.04218208	-0.04218208
ESRP2	0.08438813	0.1327171	-0.1109277	0.01238861	0.08742038	0.02826322	-0.3821569	0.3821569
LRIF1	-0.0415997	-0.00839774	-0.02218794	0.04690579	0.09292977	0.06677473	-0.04129916	0.04129916
MFGE8	0.03135322	-0.0742987	0.05815384	-0.02266195	-0.02653845	0.00781223	0.5264195	-0.5264195
ARHGAP23	0.01011841	-0.09721018	0.01548829	0.05491874	0.02620961	0.1023943	0.234785	-0.234785
RGS14	-0.1313235	0.04365689	-0.00859152	-0.05006302	0.05379525	-0.02288292	-0.02262983	0.02262983
NOP9	-0.01079031	0.00427692	0.07849336	0.061784	0.02858547	0.1725019	-0.146239	0.146239
TMIGD3	-0.04184071	-0.1027016	0.2204353	0.113116	0.00428668	0.03813325	0.2474915	-0.2474915
MTERF3	-0.08727827	0.1245881	0.0193934	-0.03436252	0.00713526	0.00453298	-0.17503	0.17503
RPL26	-0.1292858	-0.05849929	0.1446777	0.04054944	-0.09852311	0.07030754	0.05276595	-0.05276595
SCN4B	-0.00449574	-0.2116052	0.09348567	0.0780125	-0.01128749	0.01875737	0.4041466	-0.4041466

FZD2	-0.00773838	-0.0209294	0.03555123	0.05059588	0.02304829	0.07415933	0.1418169	-0.1418169
BST1	0.0627859	-0.05522724	0.1790005	0.09864288	0.07949265	0.06003762	0.2591548	-0.2591548
SPEN	0.04811916	0.0292599	0.07333155	0.03688437	0.02949412	0.1031269	-0.0479133	0.0479133
DYNC1LI1	-0.06313235	0.04698812	0.07689684	-0.0291466	-0.01156785	0.03209942	-0.07676752	0.07676752
LYPD6	-0.02344194	-0.00355341	0.06289172	0.09683856	0.00099098	0.02777253	-0.1212084	0.1212084
F8A1	-0.0558085	0.04790904	-0.03910057	-0.01087492	0.00820835	-0.04287453	0.07135036	-0.07135036
PDP2	0.01996643	0.07148116	0.1171573	0.00724657	0.09046631	0.1029165	-0.2446525	0.2446525
JAML	0.06010913	-0.08875515	0.1655631	0.07066854	0.0199893	0.05760478	0.2046396	-0.2046396
SCLY	0.0075338	0.1501478	0.09725082	0.03433544	0.09377045	0.05752013	-0.1625361	0.1625361
PLCD1	-0.0558541	-0.0020597	-0.06288786	-0.03494815	-0.05409434	-0.05018689	0.08506011	-0.08506011
ZFAND4	-0.02670184	0.00551048	0.07996912	-0.03925985	0.01003224	0.03550692	-0.02550471	0.02550471
CNOT4	0.01238077	-0.02337129	0.1338262	0.04061988	0.04216902	0.09192705	-0.03441326	0.03441326
C2CD4C	0.05378508	-0.05885187	0.00059078	0.01036753	-0.01312205	0.03833837	0.03972103	-0.03972103
PRKCB	-0.06236695	-0.1475734	0.1385035	0.08072711	0.04380448	0.01968151	0.3180901	-0.3180901
SYN2	0.01337015	0.0497212	-0.06846025	-0.06478888	-0.03089319	-0.06769497	0.07400099	-0.07400099
HIST1H1B	-0.03997508	0.01853424	-0.0764829	-0.08028319	-0.04871943	-0.02286017	-0.1008289	0.1008289
RNH1	0.00129804	0.00959486	0.01252429	-0.07077004	-0.01230896	0.02436036	0.1333117	-0.1333117
SETD5	-0.0137893	0.04473317	0.07131505	0.03321253	0.00231418	0.1001143	-0.01064477	0.01064477
MVP	0.03341476	0.03031444	0.01887938	0.04622509	0.06430107	0.06448451	-0.03505012	0.03505012
SS18	0.03605975	-0.03407471	0.1348258	0.02922607	-0.01156708	0.04901772	-0.032254	0.032254
MCTS1	-0.04777428	0.06561195	0.01004496	0.01336687	-0.01790602	0.111846	-0.2215763	0.2215763
SPIRE1	-0.05159144	-0.02121474	0.1189273	0.08810142	0.07738369	0.07470032	0.1530902	-0.1530902
RASGEF1B	0.02944309	0.04264699	0.00812443	-0.1071869	-0.02598603	-0.03561963	-0.1259977	0.1259977
TPRG1L	0.04479211	0.01041238	0.07799826	0.07098602	0.01013231	0.05725101	-0.05668244	0.05668244
FAM214A	0.03293821	-0.00540138	0.00038204	0.09409051	0.00995906	0.04407546	-0.04339708	0.04339708
LGALS3	-0.00457006	0.06152354	-0.03674417	-0.01758877	-0.00721893	0.01343223	-0.1564965	0.1564965
ARG2	-0.04287519	-0.04262218	-0.07584444	0.02009006	0.02844743	0.00841845	-0.09711899	0.09711899
TARBP1	0.07627187	0.04938734	0.09307742	0.04520529	0.01015771	0.0680178	-0.200778	0.200778
PALMD	0.03984213	-0.08421033	-0.00331734	0.04734049	0.00287844	-0.05532027	0.3278945	-0.3278945
DSC2	-0.03173809	0.09451026	-0.04654811	-0.01201646	-0.0100387	-0.01509292	-0.1894199	0.1894199
MORN2	0.04382869	-0.01246519	0.00237204	-0.04891102	-0.00017864	-0.02158752	-0.03946907	0.03946907
ORM2	0.03164617	0.01212783	-0.09652113	0.00964936	-0.03762089	-0.08551041	-0.1185421	0.1185421
HID1	0.01803169	0.00219563	-0.02619451	0.01707933	0.00858541	0.00917155	-0.1904319	0.1904319
UBA3	0.00427266	0.0381821	0.1141688	0.0475863	-0.03096406	0.00323712	-0.05370613	0.05370613
YTHDF2	-0.05112289	0.02430815	0.1336598	0.07750141	0.00670904	0.1259926	-0.1653155	0.1653155
HIST1H3A	-0.036573	0.01267653	-0.08017333	-0.03122293	-0.06515312	-0.0381778	-0.03308088	0.03308088
ATP5PD	-0.03825201	0.01267627	-0.04231326	-0.08710229	-0.01473287	-0.06572719	-0.13971	0.13971
PLEKHA5	0.04781245	-0.03592567	0.18247	0.05905738	0.01341523	0.09544691	0.00198038	-0.00198038
BET1L	0.04410538	0.07978467	0.05999033	0.06319494	-0.03173864	0.115767	-0.1155353	0.1155353
TM9SF1	0.06052993	-0.00251039	0.0572367	0.05561473	-0.00171007	0.1358128	0.04184988	-0.04184988
ADAL	0.06774074	-0.0166714	0.05088197	0.01875034	-0.01478997	0.00149549	-0.04207571	0.04207571
RIPOR2	-0.02949314	-0.09446853	0.0679331	0.0686079	0.06574053	0.04749173	0.1720022	-0.1720022
SURF6	0.00759519	0.1198167	0.00770292	-0.09684	0.00954137	0.0288212	-0.1569346	0.1569346
PKIB	0.00529823	-0.03548203	-0.01927944	0.07352683	-0.03276205	0.06091106	-0.0444897	0.0444897
FAM234A	0.07529518	0.00310649	0.07024236	0.04759837	-0.0257386	0.03113463	-0.00641168	0.00641168
CERT1	-0.03921926	0.00263161	0.1144191	0.1204754	-0.02202223	0.06959712	0.08558138	-0.08558138
AQR	0.03258901	0.07215031	0.1108436	0.0597927	0.02859839	0.07457864	-0.2032982	0.2032982
NEGR1	-0.0102835	-0.1740398	0.1162548	0.06591444	0.00866461	-0.05606829	0.370925	-0.370925
ATP5F1B	-0.1026293	0.08466717	-0.00788461	-0.00360238	-0.01799921	0.03323974	-0.2992808	0.2992808
PDE4A	-0.07653464	0.02768986	0.1127606	0.02948001	-0.03408663	0.09034873	0.1208633	-0.1208633
NUDT14	-0.01682637	0.03990193	-0.09230489	-0.06398306	-0.03106352	-0.01256157	-0.03287732	0.03287732
LYG2	0.04810015	-0.00871395	-0.03369045	-0.07235167	0.00627038	-0.06433848	-0.04640228	0.04640228
GCC2	0.07616006	0.1144786	0.09533232	0.02307877	-0.03096674	0.05658031	-0.195922	0.195922
CDKN2B	-0.01110378	0.0056997	0.0208635	-0.02653918	-0.02255787	0.0456001	0.09064449	-0.09064449
SMG7	0.03113328	0.04641697	0.09171241	0.04559484	0.03714469	0.1002229	-0.206817	0.206817
PIK3R1	0.03901408	-0.05830512	0.1678721	0.09074174	0.02494095	0.07668738	0.1461846	-0.1461846
VEGFD	-0.06835176	-0.00496103	0.030633	0.00484183	-0.02397726	0.01157518	0.00113257	-0.00113257
ZSWIM5	0.1275912	0.06381398	-0.0737885	-0.07022877	-0.00671257	-0.06524403	-0.167759	0.167759
PGGHG	0.07558771	0.1457336	0.00931856	0.01464484	0.07446686	0.05242709	-0.1099578	0.1099578
UVSSA	0.07239446	0.1062384	-0.07236449	0.01829875	-0.00447619	-0.01753545	-0.09140106	0.09140106
CAPZA1	-0.08637877	0.1142832	0.08399248	0.01439819	-0.03811697	0.02154807	-0.1776611	0.1776611

SRSF9	-0.02527161	-0.02067312	0.01809612	-0.04702585	-0.02793544	0.083459	-0.1285389	0.1285389
MECOM	-0.03655196	-0.03657369	0.02649932	0.1198192	-0.05463171	0.0682261	-0.2050136	0.2050136
PRKAA2	-0.01781355	-0.1172721	-0.00817746	0.00375708	-0.02823501	-0.02383511	0.2055819	-0.2055819
EIF4G1	-0.0033599	-0.00450308	0.06759316	0.05177674	0.01527446	0.1150336	-0.09728544	0.09728544
HMGCR	0.1017609	0.05796097	0.00305967	0.04251345	-0.0328717	0.08197946	-0.2744945	0.2744945
WNT10A	0.03095701	0.05376143	-0.01577474	-0.00805784	0.08550182	0.06359138	0.1388414	-0.1388414
CDC42BPA	0.02155071	-0.03435827	0.1081599	0.08046212	-0.0277971	0.01982237	0.03487708	-0.03487708
WHRN	-0.07785273	0.00823983	-0.0303525	-0.08121675	-0.03286381	-0.06503143	0.08983445	-0.08983445
TJP1	0.06130637	-0.05441856	0.1149326	0.06449453	0.02040501	0.09739125	0.04373427	-0.04373427
SPRYD3	-0.00629174	-0.05605844	0.05717146	-0.00797197	-0.0460213	0.05803904	0.1845655	-0.1845655
SYAP1	-0.3206625	0.07199209	0.07190978	-0.04428505	-0.03616329	0.04200194	-0.07115383	0.07115383
TRIM44	0.09651507	-0.02966896	0.1272786	0.03841442	0.07829662	0.01057353	0.07356681	-0.07356681
TAB3	0.1245632	0.00906476	0.1130779	0.03068173	0.02596563	0.1317578	-0.1189833	0.1189833
NNAT	0.04010224	-0.00090932	-0.05556516	-0.0625254	-0.00881944	-0.08410387	0.09098452	-0.09098452
B3GNT2	0.03618604	0.1556736	0.01907108	-0.05982143	-0.00953204	-0.05079685	-0.1129087	0.1129087
GPI	-0.08685925	0.08927805	-0.00353729	0.01961849	0.03340581	0.06485629	-0.2435728	0.2435728
DLAT	-0.08717485	0.07674823	0.08826284	0.01004217	-0.07237425	0.0447494	-0.2631977	0.2631977
ZMYND8	0.1225804	0.00757803	0.03969358	0.01639761	-0.02504513	0.04488386	-0.152357	0.152357
TMEM190	-0.02303584	-0.06705554	-0.03738428	0.07669649	-0.04981758	0.034816	0.01021452	-0.01021452
PLSCR1	0.00438811	0.05258768	0.1853125	0.0751954	-0.01411194	0.06868124	0.05230686	-0.05230686
MYNN	0.01203872	0.03847459	0.1588342	0.1135307	-0.02344718	0.08579994	-0.09232389	0.09232389
NDUFV3	-0.09556304	-0.1240413	0.04765026	-0.1032944	0.03497491	-0.00460326	0.1415916	-0.1415916
ZNF468	-0.01376273	0.1172101	0.0942685	0.06951042	0.02815134	0.08195278	-0.2296669	0.2296669
ADK	-0.03482288	0.01556644	0.03720096	0.08705052	-0.04349604	0.0678802	-0.1650789	0.1650789
GALNT4	0.06554157	-0.02700541	0.06333275	0.05490552	0.1092642	0.04844126	-0.03163491	0.03163491
CPLANE2	1.54E-06	-0.07098589	-0.00082557	-0.00453369	0.05616127	0.04956321	0.04841672	-0.04841672
LRRC25	0.02666844	-0.02201428	0.1528207	0.04406611	-0.02881744	0.022154	0.2691587	-0.2691587
DIXDC1	-0.02344006	-0.1573127	0.123863	0.02333945	-0.01674593	-0.03389938	0.3791163	-0.3791163
FBXO3	0.02618022	0.08605828	0.1507844	0.05904721	-0.00899456	0.07533396	0.00032446	-0.00032446
TLE5	-0.04449149	-0.01057732	-0.0136097	-0.1086006	-0.02226148	-0.08536898	0.1985198	-0.1985198
IGFBP1	0.05446269	0.03563512	-0.06266464	-0.09755534	-0.01507999	-0.06698879	0.00689985	-0.00689985
HSD11B1L	-0.07324124	0.0019166	-0.1041421	-0.00253246	0.04232796	-0.00952566	0.04644462	-0.04644462
FCRLB	-0.07634885	-0.00773011	0.00741554	-0.01137914	-0.0061427	0.04120335	-0.02977297	0.02977297
SLC25A11	-0.01209622	0.06988853	-0.05234662	-0.06032013	-0.06289957	-0.01768832	-0.02401652	0.02401652
FSCN2	-0.02787236	0.0370917	0.06365314	0.08381895	0.00182116	0.1435209	0.02708326	-0.02708326
CERS4	-0.0027629	-0.076332	-0.05227458	-0.0739123	-0.04486286	-0.04001232	0.00069517	-0.00069517
MAGIX	0.1003763	-0.04319733	-0.1525475	-0.06509479	0.01156915	-0.0754733	-0.1918088	0.1918088
USF3	0.00733513	0.03554975	0.1229332	0.05219142	-0.02685148	0.08998716	-0.04428715	0.04428715
TLR4	0.06259741	-0.00330647	0.1505313	0.09045881	-0.01579665	-0.02812246	0.2276364	-0.2276364
NRM	0.02026453	0.06673349	-0.1005263	-0.02997804	0.05551703	-0.02020621	0.08757983	-0.08757983
NCKAP1	-0.02930069	0.02771839	0.1802863	0.1033165	0.0203489	0.103961	-0.1138362	0.1138362
GGH	-0.01088407	0.06758945	-0.1188131	-0.1545618	-0.06773445	-0.1231421	-0.1044188	0.1044188
COL4A6	0.0080148	-0.03536196	-0.00035176	0.01081831	-0.00375407	-0.05609359	0.1525529	-0.1525529
HASPIN	-0.08259043	0.07972118	0.04547112	0.00213817	-0.01679533	0.08846653	-0.2538988	0.2538988
HIPK2	0.1427849	-0.04090947	-0.03379366	0.03706396	0.03165331	-0.03858996	-0.02916476	0.02916476
SFN	-0.01103497	0.01029391	-0.131412	-0.08368832	-0.04045653	-0.05527137	-0.1084038	0.1084038
AP1AR	-0.07017884	0.1220521	0.122179	0.01577093	-0.02357695	0.06511889	-0.282818	0.282818
STBD1	-0.02171876	-0.01497406	0.01912657	-0.04417878	0.01330761	-0.04003836	0.1859952	-0.1859952
APOLD1	0.07516096	-0.0952591	0.1440473	0.04340844	0.10887	0.08395224	0.1492935	-0.1492935
PAFAH1B1	-0.0189898	0.0274465	0.1312427	0.07967658	-0.02396616	0.06533594	0.1175429	-0.1175429
KIAA0513	0.04158785	-0.08237352	0.08075412	0.0617864	0.04595727	0.03305346	0.1069771	-0.1069771
CASP2	0.00532766	0.08805328	0.1257358	-0.0289421	0.06287739	0.09923099	-0.1287217	0.1287217
RTN4RL2	0.04902338	-0.04389733	-0.00766526	-0.03097938	-0.01543746	-0.02077039	-0.01917543	0.01917543
TEP1	0.08700505	0.1155121	0.09062026	0.09341245	0.1019067	0.1192216	-0.1295157	0.1295157
TCTEX1D4	0.01114284	0.06618664	0.03469966	0.05770533	-0.02639811	0.0427152	-0.02242149	0.02242149
CD109	0.01778405	-0.02010561	-0.01380956	0.04333324	0.00864919	0.00805732	0.1038266	-0.1038266
KIF20A	-0.05925436	0.05084227	0.00669722	0.1041686	-0.0329984	0.1180434	-0.1359937	0.1359937
PDE8A	0.07289735	0.04800656	0.03448691	0.09729299	-0.0051948	0.05543818	-0.1069487	0.1069487
PIGB	0.1030242	0.05836775	0.06519047	0.09302114	0.05192308	0.00939557	-0.06703798	0.06703798
RUFY3	0.01861785	0.00580579	0.0954643	0.03988078	0.05837189	0.02354092	0.07592346	-0.07592346
DPYSL4	-0.07325096	-0.03578677	0.00813958	0.05555071	-0.01762596	0.06426556	0.2758549	-0.2758549

CLPB	-0.100933	0.04964128	0.08284342	0.07340784	0.00808851	0.135764	-0.1199912	0.1199912
NIP7	-0.01203274	0.1098456	0.1228046	0.02578723	0.04868457	0.08535663	-0.2190696	0.2190696
CASP1	-0.0408247	0.1776346	0.0882204	-0.06447394	-0.01446015	-0.00679696	-0.1596318	0.1596318
POLR3F	0.05343358	0.09097071	0.06776998	-0.01590669	-0.04969682	0.0097508	-0.0794662	0.0794662
H3F3B	-0.00071049	-0.0027761	0.02839755	-0.03270998	0.0228109	-0.01514868	0.03804599	-0.03804599
C1GALT1	0.05831781	0.04590301	0.1174678	-0.0389294	0.01065661	-0.04474964	-0.2792286	0.2792286
DSEL	0.02653888	-0.1392736	0.1175767	0.08951668	0.04104508	0.02865143	0.3533102	-0.3533102
MICU3	-0.00701381	-0.1800909	0.1250693	0.08069336	0.01804355	0.03153998	0.408277	-0.408277
PLAAT5	-0.0092904	0.00063091	-0.0218987	-0.0419878	0.09965881	0.0069441	0.1980864	-0.1980864
KDF1	-0.02313801	0.1043817	-0.1041728	-0.0910666	-0.05752346	-0.03723938	-0.3231142	0.3231142
MAPKBP1	0.1151795	-0.04810281	0.01752616	0.03490553	0.00697033	0.02614607	0.09641708	-0.09641708
NCBP3	0.04293407	0.0920972	0.1234723	0.08192343	-0.0196303	0.08470384	-0.05326021	0.05326021
TNFSF11	0.0705269	0.06259655	0.00732185	0.00731598	-0.02543593	0.03736657	0.1412902	-0.1412902
PRR12	0.06087096	-0.01947883	0.05657069	0.05328995	-0.0209748	0.07733979	0.08186968	-0.08186968
CREB3	-0.06058841	0.00114874	-0.01237698	0.02271612	0.03825456	0.1036803	0.02411491	-0.02411491
ITGAL	-0.02409485	-0.01760493	0.1802455	0.08575385	0.04520449	0.1010293	0.1346896	-0.1346896
NOA1	-0.0330694	0.00552198	0.06239347	-0.01502824	0.0177883	0.07290296	-0.1179065	0.1179065
UQRFS1	-0.06633056	-0.07497409	-0.03044239	-0.02161178	-0.04955391	0.01230714	-0.06465195	0.06465195
CD4	-0.00451315	-0.0290099	0.1882494	0.08582783	0.02786014	0.03537602	0.2250055	-0.2250055
RASA1	0.06901403	-0.00752627	0.1462363	0.1089773	-0.00108696	0.1416787	0.02645037	-0.02645037
CHL1	0.02896306	-0.1159332	-0.00648686	0.03781818	0.01526402	-0.05636626	0.170341	-0.170341
CCDC112	-0.06229829	0.04763457	0.1344774	0.05589604	-0.04275031	0.04223126	-0.03954077	0.03954077
ECI1	-0.08793256	0.0854739	0.0209399	-0.0364669	-0.05080603	-0.0358698	-0.08815452	0.08815452
GAREM2	-0.0946864	-0.04708336	0.03222507	0.05064021	0.06668616	0.02416787	0.1989643	-0.1989643
POGLUT3	0.06128325	-0.05479745	0.1988849	0.05731268	-0.01206101	0.08871861	0.1454767	-0.1454767
DGCR8	0.05206944	0.1295065	-0.01470407	0.03038197	0.05207015	0.03687894	-0.07890017	0.07890017
NABP2	0.01398925	-0.01112776	0.0114041	-0.01449691	-0.03799475	0.06515678	-0.07565691	0.07565691
SYT13	0.06007462	0.05238424	0.1019038	0.04212337	0.07409513	0.06630685	-0.07803735	0.07803735
UBXN8	-0.04350454	-0.00920575	-0.02318915	0.04333446	0.00400294	-0.06793633	-0.1681187	0.1681187
NPLOC4	0.0925719	0.060453	-0.0425005	0.03880029	0.03283272	0.04981276	-0.02909487	0.02909487
MIEN1	0.07182737	-0.00880273	-0.01153583	-0.0138612	0.06616497	0.03643049	-0.02342371	0.02342371
VCAN	0.02645118	-0.07028804	0.1902786	0.1214852	0.0239154	0.0521085	0.577672	-0.577672
TTC32	0.04329824	0.03099684	0.03213772	0.04550734	-0.04842564	0.0387996	-0.1247312	0.1247312
FOXK1	0.03299658	-0.0187259	0.1211027	-0.00275486	0.03826182	0.08753809	0.02497033	-0.02497033
UNC5CL	0.07829812	0.03336317	-0.00986112	-0.0045702	-0.03639455	-0.03165272	-0.1936633	0.1936633
WNT3	0.00340874	-0.05653073	-0.01061383	0.01167669	-0.0216021	0.04535	-0.01576388	0.01576388
IRS1	-0.00726116	0.00440675	0.1618037	0.08869291	0.04720842	0.09216021	0.2021741	-0.2021741
MRPL4	-0.08642272	0.05331051	-0.02063054	-0.1438518	-0.00354384	-0.02606088	-0.1785007	0.1785007
POU2F1	0.04840153	-0.03870481	0.1248016	0.05352001	0.04441833	0.1064374	-0.07492523	0.07492523
TMEM116	0.1066544	-0.02345433	-0.03317888	-0.08992909	0.00240783	-0.1137445	-0.1315144	0.1315144
NOCT	-0.03573662	0.0404192	0.05530371	0.05091848	0.03430651	0.09449312	0.01962041	-0.01962041
CNP	0.03871347	0.02516348	0.0469904	-0.07975901	0.08796685	-0.04051801	0.07451387	-0.07451387
AIFM1	-0.09853649	0.1511947	0.02392962	-0.02149866	-0.01805771	0.02963133	-0.3528011	0.3528011
DPP9	-0.06096536	0.0791103	0.09561405	0.02617696	0.05251587	0.06083473	-0.00886449	0.00886449
PUM3	0.00419685	0.0451178	0.06861799	-0.0569398	-0.01769572	-0.00382656	-0.2077064	0.2077064
CCR7	-0.03799352	-0.1463874	0.05636689	0.02796051	0.07341533	0.04795094	0.1711247	-0.1711247
HYPK	0.04221162	0.0070552	0.02535983	0.03705316	0.0145693	-0.01277175	-0.00209725	0.00209725
HEXIM2	0.00926775	-0.05852107	-0.01366689	-0.02223852	0.08638241	-0.03250215	0.0395317	-0.0395317
SECISBP2L	0.03836941	-0.06472939	0.09783668	0.06256225	0.00052467	0.0216043	0.1357714	-0.1357714
PRKG1	0.01393956	-0.1604482	0.1733433	0.07456178	0.04868034	-0.01378066	0.4296166	-0.4296166
SHKBP1	-0.03530892	0.01482695	-0.04512388	-0.01523673	-0.00906683	0.03876203	0.06617371	-0.06617371
BID	0.04504207	0.08742203	0.00914229	-0.0104692	0.01088324	0.02161047	-0.0762412	0.0762412
CYB5D1	-0.04701118	-0.03240954	0.1522274	0.05681302	-0.04362385	0.06071053	0.02837519	-0.02837519
ZDHHC21	0.00669749	0.05551926	0.06088562	-0.02542714	-0.042482	0.02415162	-0.08492386	0.08492386
CARD19	-0.06412887	0.1068499	0.0319513	-0.01281374	-0.03493454	0.0234793	0.02414239	-0.02414239
PGRMC2	-0.00267856	-0.07261168	-0.03568618	0.01549513	-0.06595481	-0.04287225	-0.04897933	0.04897933
C8orf82	-0.1124775	0.1787532	-0.03372585	-0.03412326	-0.04370373	-0.01873988	-0.2042777	0.2042777
SHCBP1	-0.08596528	0.1122221	0.06677249	0.07962416	0.06266276	0.1055555	-0.2734193	0.2734193
SGCA	-0.01459248	-0.1482816	0.07859508	0.00900987	-0.03741023	0.00167677	0.4055741	-0.4055741
TIMM17B	0.02579058	0.01238678	-0.1126328	-0.1306857	0.01587085	-0.01604575	-0.00040806	0.00040806
VILL	0.0074231	0.01529122	-0.02912611	-0.01244665	-0.02783868	0.03619941	-0.205619	0.205619

POLR1A	0.0004285	-0.00503465	0.06750506	0.03911106	0.02186426	0.109132	-0.1419829	0.1419829
ISOC2	-0.07765545	0.04686085	-0.104905	-0.05948211	-0.02210957	-0.07711495	-0.05722987	0.05722987
MRPL45	-0.03562571	0.02475167	0.00402934	-0.00810131	0.0569203	0.02630586	-0.2023469	0.2023469
ZER1	0.02364362	-0.06172052	0.01306024	-0.02499596	0.0133119	-0.01227446	0.1497188	-0.1497188
RNF114	0.03908667	0.1608138	0.05023872	0.07264073	0.00766299	0.07251519	-0.1609379	0.1609379
IL16	-0.01351034	-0.0887488	0.1070272	0.07505338	0.03973496	0.04848081	0.2518107	-0.2518107
MCM10	-0.1011554	0.1026876	0.05701151	-0.01420508	0.01273008	0.06617962	-0.2639496	0.2639496
SOX17	0.01937288	-0.1175743	0.07441864	0.01986679	0.06880653	-0.02966078	0.4649123	-0.4649123
LRRC6	-0.02217497	0.09599568	0.03237243	0.00749338	0.01845676	0.05642745	-0.03924322	0.03924322
TSPAN31	0.09405742	-0.04005	0.06757095	0.07550175	-0.02964001	0.08453785	0.1489506	-0.1489506
CAP2	-0.06771077	-0.1452429	0.076021	0.01532934	0.01687475	-0.05550487	0.3157926	-0.3157926
METTL15	0.03867637	-0.01909154	0.1322846	0.02790257	-0.00248927	0.07101484	-0.1756897	0.1756897
TLK2	0.05929935	0.0252256	0.09283273	-0.00625959	0.04588799	0.028567	-0.06551519	0.06551519
L3HYPDH	0.00692893	0.0821228	0.06869653	0.1346389	-0.0547242	0.0759908	0.1680036	-0.1680036
CYP3A5	0.09983235	0.05813884	-0.02282381	0.0510242	-0.02085436	-0.01479064	-0.184866	0.184866
RNF40	0.09077268	0.0330136	0.02967967	0.0337974	0.08089551	0.06088526	-0.0659457	0.0659457
CXCL6	0.09532607	-0.00033492	-0.04671781	-0.04992201	-0.02175431	-0.00910617	0.1500691	-0.1500691
SLC22A17	-0.07588212	-0.1594667	0.05100754	0.01442787	-0.01036899	0.00081638	0.3757004	-0.3757004
CEP295	0.04242933	0.09637989	0.1029715	0.03369081	0.05197114	0.1029079	-0.1997885	0.1997885
CFAP45	0.04578782	-0.01556893	-0.07022441	-0.05698278	0.02065832	0.01261025	0.05748327	-0.05748327
GPRASP2	-0.01971236	-0.1522962	0.1165778	0.08672873	0.05854071	0.01429343	0.3978243	-0.3978243
PMP22	0.00363815	-0.09287816	0.1594927	0.01462309	0.02490373	0.01000611	0.5199907	-0.5199907
HPRT1	-0.0679484	0.09533793	0.04652809	-0.02054418	-0.0153552	0.02477504	-0.1279699	0.1279699
ARFIP1	0.04715063	0.05343686	0.05822376	0.07792219	0.05906453	0.08593632	-0.2353747	0.2353747
PAIP1	0.02238833	0.06854522	0.02096663	-0.08842815	-0.02156672	-0.02396433	-0.06977243	0.06977243
MED18	-0.08959659	0.02050475	0.0373113	-0.04050528	-0.05325134	0.06464104	-0.196292	0.196292
KLHL24	0.04796458	-0.03212625	0.163991	0.09962838	-0.01034538	0.1218292	0.06580907	-0.06580907
DYM	-0.02666192	-0.03503044	0.1460411	0.00626939	-0.00843309	-0.00349273	0.03215611	-0.03215611
C6orf62	-0.00736667	0.04615353	0.08318987	0.09874547	0.03425265	0.07346523	-0.07382844	0.07382844
TXNL1	-0.1500719	0.06852671	0.115859	-0.03470659	-0.02643177	-0.01614629	-0.03121227	0.03121227
TMEM176B	0.07458265	0.0720195	-0.01795418	-0.08800827	0.01225487	-0.08064951	0.06729432	-0.06729432
GTF2A2	-0.113217	0.1936734	0.01565744	-0.050595	-0.01132908	-0.04784207	-0.1078346	0.1078346
RAD9A	0.02068481	0.1568789	0.06703831	0.03871644	-0.03873293	0.06419684	-0.142312	0.142312
TXNDC9	0.04185381	0.01464744	0.02229947	0.05483686	-0.00048215	0.07690147	-0.08090669	0.08090669
TET2	0.04782747	0.03425092	0.04163895	0.03388175	0.00038955	0.03359738	-0.1173509	0.1173509
FJX1	-0.02197947	-0.02061765	0.04746197	-0.03027532	0.07388187	0.04082122	0.2414623	-0.2414623
XRCC4	-0.08442704	0.00846985	0.1049132	0.01512822	0.0371679	0.05908472	-0.105339	0.105339
EMSY	-0.05092363	0.04493772	0.08136837	0.04656353	-0.04398693	0.07564541	0.00449291	-0.00449291
KISS1	-0.06573927	0.03524349	-0.07811018	-0.03670449	-0.03222579	-0.00531427	0.00574892	-0.00574892
MIB2	-0.07905253	0.1406074	0.01273229	0.01376799	0.01969489	0.00968709	-0.04004677	0.04004677
PTPRU	0.02541436	-0.02991223	0.04524586	0.04189839	-0.00492965	0.1096987	-0.01990103	0.01990103
THBD	0.07152635	-0.07455207	0.04190593	0.04503831	0.04945623	0.02137709	0.2142868	-0.2142868
ARHGEF17	0.02507562	-0.09384819	0.1425411	0.09523049	0.0189593	0.07563198	0.4485674	-0.4485674
NME4	-0.03833572	-0.08516384	-0.06664191	-0.05226798	-0.00844842	-0.08151992	0.2577547	-0.2577547
CAMK2G	-0.04318677	-0.08179388	0.09633909	0.08371958	-0.0070651	0.04052272	0.1658607	-0.1658607
TCEAL8	-0.00729227	-0.03498332	0.06753639	0.01131663	0.04704506	0.01291851	0.1933556	-0.1933556
MTMR10	0.06511047	0.01183031	0.01987634	0.02548502	-0.00740437	-0.03494672	-0.1022622	0.1022622
FUOM	-0.1213747	0.06487859	-0.04502311	-0.08177572	0.01686286	-0.00184397	-0.03517386	0.03517386
NDUFB4	-0.06941453	0.00680329	-0.05619499	-0.0486504	-0.1204744	-0.0014637	-0.02246476	0.02246476
CRYGS	0.04823094	0.0979389	0.03646354	0.08640436	-0.0134905	0.09110195	-0.09719695	0.09719695
HMGN1	0.0552684	0.02365866	0.07703733	0.04221798	0.02968774	0.1109167	-0.2139966	0.2139966
ACOT4	-0.04290521	0.00060673	-0.07657766	-0.03568115	-0.01437396	-0.0219315	-0.03733915	0.03733915
PLPP2	-0.02313296	0.1505947	-0.1103142	-0.1070096	0.03623418	-0.1183691	-0.1106915	0.1106915
P2RY1	0.01675993	-0.04581492	-0.00444924	0.00449122	0.1094324	0.01837048	-0.03524585	0.03524585
PPME1	-0.08270812	0.1020924	-0.01449091	-0.00749789	-0.04233736	0.01064077	-0.09980383	0.09980383
ZNF512B	0.04170264	-0.05256465	-0.00510992	0.02942107	0.07262486	0.03360275	0.09376957	-0.09376957
HIST1H3H	-0.06313644	-0.01307254	-0.04482178	0.01741853	-0.0029914	0.01720287	-0.05496169	0.05496169
BTN3A3	0.04793691	0.05638757	0.1312955	0.06382208	0.02319933	0.1044714	0.03298699	-0.03298699
CLTCL1	0.00305886	0.1055276	-0.04494887	-0.02799429	0.01658922	0.00226258	0.07125167	-0.07125167
SEMA3F	0.1374691	0.03118961	-0.122738	-0.1020726	-0.06066162	-0.06099285	-0.00376846	0.00376846
FAM120A	0.00780738	0.05165647	0.1646534	0.04663472	0.01815511	0.1168107	-0.2224616	0.2224616

SCYL3	0.03225843	-0.01617472	0.07015407	0.05614566	0.1132987	0.06776769	-0.1020122	0.1020122
COPS6	-0.03212807	0.01967327	-0.07528235	-0.00250544	-0.02957672	-0.01511723	-0.03505093	0.03505093
TIAM1	0.0147533	-0.06803069	-0.06491468	-0.02328718	0.0045996	-0.0307379	0.06452181	-0.06452181
RASSF10	0.08945525	0.01479457	-0.1123636	-0.07773317	-0.05678348	-0.0067844	-0.1324794	0.1324794
TENT4B	-0.03623207	-0.01574698	0.1686329	0.02837015	0.0362359	0.09457548	-0.1247038	0.1247038
PRELID3B	-0.08152179	0.09871492	0.04506337	0.02765459	-0.0455073	0.05035212	-0.2264096	0.2264096
VPS16	0.0834489	0.07153889	0.04275385	-0.04515861	-0.03551714	0.00106051	-0.05036797	0.05036797
RTTN	-0.06842605	0.08930608	0.0945886	-0.02931828	0.08035507	0.0535047	-0.1420964	0.1420964
NSMCE2	0.04912497	0.05265051	0.00428631	0.04074215	-0.04840521	0.05593662	-0.06283191	0.06283191
SLC5A5	0.00986214	-0.0965488	-0.05642966	-0.07077103	-0.04078024	-0.06924846	-0.09226382	0.09226382
HNRNPB	-0.00413473	0.03521375	0.0302969	-0.00201456	0.00616749	0.0357607	-0.1585292	0.1585292
SUSD2	0.02002859	-0.00702225	0.01668209	-0.03969646	0.08573318	0.00210938	0.1845146	-0.1845146
FAM241A	-0.02739101	-0.06494857	0.1952809	0.1352276	-0.02262184	0.07050727	0.00517129	-0.00517129
SPTBN2	0.06164999	-0.01931842	-0.03689867	-0.0454649	0.01951287	0.05174853	-0.04053862	0.04053862
A2M	0.02722967	-0.119607	0.1852451	0.1016063	0.06037442	0.06518421	0.476698	-0.476698
SRSF7	-0.07799827	0.1317488	0.07318176	0.05438497	0.03664456	0.1130397	-0.2479613	0.2479613
CYTH3	-0.00650187	-0.06589643	0.1453798	0.08993879	0.0304765	0.09704238	0.2603732	-0.2603732
GNL2	-0.05872515	0.1497503	0.05014662	0.04923586	-0.01146976	0.04646244	-0.2031242	0.2031242
ZNF674	0.05213659	-0.03459345	0.1532079	0.02879336	0.01275524	0.07103097	0.09377937	-0.09377937
RRM1	-0.02302523	0.03416515	0.06682821	0.00420697	-0.01663839	0.05747604	-0.238956	0.238956
ZNF334	0.04129217	-0.0615893	-0.00749468	0.00881544	-0.031557	0.04629576	-0.00853046	0.00853046
ZNF512	0.02485781	-0.02868096	0.1231443	0.0981046	0.1109217	0.07130899	0.1572977	-0.1572977
MAFG	0.100981	0.0544648	-0.01618377	-0.06145694	-0.00911993	0.00049325	0.05703789	-0.05703789
RHBDD3	-0.06839042	0.07278966	-0.04435448	-0.05007112	-0.0266123	-0.02075002	-0.0394517	0.0394517
NIBAN2	0.05628907	0.04365164	-0.1133219	-0.07713462	-0.00570538	0.01337984	-0.07178074	0.07178074
HSPG2	0.0281277	-0.07839444	0.1133869	0.06963145	0.05385313	0.07569236	0.3313688	-0.3313688
FPR1	0.07946125	0.06009439	0.02592437	0.04954405	-0.01586919	-0.09993683	0.216824	-0.216824
ZDHHC23	0.04676509	0.1079344	-5.17E-05	0.00385209	-0.03648502	0.08861466	-0.2307995	0.2307995
DCUN1D2	0.08805592	0.1221276	0.06478846	0.05824637	0.00096345	0.02702822	-0.08088407	0.08088407
LARP4	-0.07586422	0.0748322	0.08758035	0.0318323	0.01688807	0.1018519	-0.2162241	0.2162241
ARHGAP24	0.00173647	-0.1234252	0.06432598	0.08519238	0.00932323	-0.04407154	0.3354215	-0.3354215
TECPR1	0.05880534	-0.05178585	0.04480676	0.033449	-0.03913936	0.04561276	-0.00768857	0.00768857
NDUFV1	-0.02057513	0.1034256	0.01024046	-0.03709762	-0.05636982	0.02870487	-0.1963329	0.1963329
ANAPC4	-0.00692477	0.09650657	0.1525537	0.09518208	-0.01770293	0.1145959	-0.1520669	0.1520669
LRP11	-0.06480026	0.1132907	0.08338095	0.03864355	-0.01088449	0.05393157	-0.09185089	0.09185089
PCNP	-0.03724856	-0.01642212	0.1955489	0.06370115	-0.02771102	0.09106083	0.0302828	-0.0302828
SERHL2	-0.00343783	0.01546975	0.04794976	0.01181794	0.1355678	0.08500449	0.01161245	-0.01161245
TSPYL1	-0.06119365	-0.06610547	0.150718	0.09283145	0.0500852	0.07318732	-0.00116099	0.00116099
RPS6KA4	-0.03069933	0.06507119	-0.01240034	-0.02400092	-0.02236437	0.0512944	-0.07286393	0.07286393
TMEM184C	0.05256717	0.03204109	0.1306679	0.09162556	0.03778573	0.1331307	-0.1521923	0.1521923
SIX4	-0.0122584	0.01328933	0.03782057	-0.02171439	-0.0498415	0.03541672	0.01181154	-0.01181154
FHL3	-0.04083046	-0.1026855	0.1116674	-0.00162641	0.06281235	0.00131405	0.5284919	-0.5284919
WDHD1	-0.05665643	0.07474467	0.06673028	0.02100031	0.00300141	0.1092856	-0.2687176	0.2687176
KCTD6	-0.1254443	0.01419474	0.1174863	-0.05774002	-0.02321342	-0.00222715	-0.1244744	0.1244744
ZNF593	-0.09977644	0.08767684	-0.05227771	0.00209771	-0.03978908	0.00950723	-0.1435289	0.1435289
RBFA	-0.05328758	0.119383	0.05697639	-0.03909158	0.05400898	-0.0568861	-0.07549259	0.07549259
SFXN2	0.08671183	0.0170986	0.01532783	0.01256575	-0.02764974	0.03684995	-0.2624818	0.2624818
OLFML2B	0.00660092	-0.07822761	0.109393	0.04882776	0.06374537	0.05007866	0.4984607	-0.4984607
MMAA	0.06381838	-0.00665106	0.08994396	0.0527851	0.01965687	0.08600534	-0.09561104	0.09561104
WDR76	-0.05446464	0.00364835	0.08707359	-0.06017934	-0.00837852	0.02939627	-0.1725127	0.1725127
SLC44A3	0.1008577	0.00762771	-0.0444897	0.01766033	-0.02095738	0.01996167	-0.1860431	0.1860431
HBA2	0.03112435	-0.01710189	-0.02155335	0.01635251	0.1275927	-0.1223226	-0.01318342	0.01318342
DNASE1L2	0.05860882	0.09290803	-0.08671042	-0.04044043	0.07790983	-0.0374038	-0.1749748	0.1749748
NUDCD2	-0.1108797	0.03283807	0.1629313	0.04058107	0.0371358	0.07050997	-0.06948201	0.06948201
MRPL33	-0.1081539	-0.0788396	-0.01719895	0.01367042	-0.05860892	-0.01022016	0.01927745	-0.01927745
TESK2	0.05619825	0.0438512	-0.02557148	0.00311636	-0.01288526	-0.0472938	-0.09641066	0.09641066
ARHGAP32	0.01710816	0.1286408	-0.03254782	-0.02959787	0.00045242	-0.01786854	-0.2806367	0.2806367
PCDHB8	0.1289134	0.1363064	0.01250731	-0.07442857	-0.01017492	-0.05388376	-0.00967485	0.00967485
LRRK1	0.00139558	0.07250335	0.1300077	0.06272666	0.06142628	0.132502	0.08655971	-0.08655971
GP6	0.06429101	0.02996541	0.02034044	0.02380358	0.08606042	0.05790256	0.06410571	-0.06410571
TNFRSF25	0.02834956	0.1376932	-0.0491206	0.02910717	0.0557118	0.01565071	-0.1505692	0.1505692

RFLNB	0.05759106	0.0092938	0.0436947	-0.03356571	0.01631993	-0.01332351	0.3215793	-0.3215793
PGAP3	0.07884976	-0.01968181	0.01114585	0.01269339	0.06060204	0.06982568	-0.03296927	0.03296927
RAB3IL1	-0.0553619	-0.07654657	0.06955354	-0.04357685	0.04064445	0.030628	0.4512621	-0.4512621
FBXO38	0.03875916	0.03694045	0.1690066	0.1191861	0.03557558	0.165364	-0.00797601	0.00797601
FSCN1	0.02507273	0.03586068	-0.03797843	-0.02142273	0.00072037	0.00619062	0.1404136	-0.1404136
NRDE2	0.05279281	-0.00285101	0.1184407	0.1323438	0.04784729	0.1248097	0.01717025	-0.01717025
RNASEH2C	0.00170529	-0.07066439	-0.05169386	0.00613647	-0.00717048	0.05576201	0.1660513	-0.1660513
NCKAP1L	-0.04493902	-0.0352203	0.1708751	0.07486221	0.03041941	0.06916418	0.1486383	-0.1486383
RPP40	-0.1278769	0.07025805	0.04759218	0.0540878	0.02374362	0.04111932	-0.1973965	0.1973965
SNX24	-0.09235069	-0.00607078	0.01065388	0.00337521	-0.03119494	-0.03102674	0.07142089	-0.07142089
CCDC198	0.09668736	-0.08346343	0.1690613	0.09319143	0.1233413	0.1441495	0.00281789	-0.00281789
VPS54	0.09890127	-0.00713948	0.09720207	0.08937362	-0.05072737	0.09754865	-0.1638365	0.1638365
UFSP1	-0.03840104	-0.00027064	-0.00362192	-0.00244608	-0.00636127	0.00824652	-0.09002072	0.09002072
HOXA3	0.04184859	-0.06207281	0.08952957	0.00462196	-0.03298074	0.01954665	0.1674533	-0.1674533
SHISAL1	-0.05038057	-0.1629173	0.07565201	-0.00025743	-0.01412096	-0.03136311	0.3054662	-0.3054662
TENM3	-0.00200255	-0.02746925	0.05975117	0.06506614	-0.02127561	0.05302367	0.2688438	-0.2688438
FOSB	0.06685638	-0.06346261	0.06999822	0.05248018	0.03828887	-0.07382886	0.1712488	-0.1712488
PSMB3	-0.09313462	0.05180529	-0.05390078	-0.04645247	0.05910959	0.01930559	-0.1229594	0.1229594
SLC39A6	-0.01154798	0.04184044	0.151177	0.05151918	-0.03213158	0.09076179	0.05012923	-0.05012923
CCL3	0.03982183	0.09959477	-0.01650142	-0.03648455	-0.05405755	-0.06689135	0.08512003	-0.08512003
ING1	-0.0270516	0.0410482	0.149278	0.03521523	0.00447025	0.09478256	0.0521301	-0.0521301
SORCS2	0.03562769	-0.1141959	0.06503494	0.112601	-0.04439584	0.09991133	0.4194474	-0.4194474
CEP162	0.05271897	0.0031936	0.2098119	0.07837374	0.02067479	0.09510494	-0.0321625	0.0321625
FTH1	0.04448327	0.04366376	-0.09597868	-0.02089547	0.07970342	-0.00865345	0.1653122	-0.1653122
ATF7-NPFF	0.0939162	0.00377033	0.03475493	0.1148693	0.02940409	0.07223913	0.06601519	-0.06601519
CEP120	0.00868288	0.0025821	0.2020973	0.1132929	0.04361456	0.1245914	0.1105154	-0.1105154
KCNK13	0.00842869	-0.03766518	0.09284199	0.0301933	0.03430584	-0.07175628	0.240404	-0.240404
BROX	-0.01942893	0.04740858	0.1656229	0.01710154	0.03746466	0.07597556	-0.2037132	0.2037132
SHC2	0.1199386	-0.1035539	-0.0038245	0.04562239	0.05706457	-0.01665697	0.3168592	-0.3168592
GTF2I	0.03347192	0.01781696	0.04466448	0.01796215	-0.00260789	0.05086879	-0.117651	0.117651
ME1	-0.01742469	0.1229228	0.08550315	0.09545969	0.02448955	0.07120535	-0.1783074	0.1783074
TSTD1	-0.03191436	0.03340127	-0.1534921	-0.04415134	-0.04341555	-0.08535268	-0.00670188	0.00670188
TPT1	0.05217997	0.00896068	0.06769112	0.1081509	-0.06018567	0.1219983	-0.05204519	0.05204519
ADPRHL2	-0.07878999	0.08416083	-0.00029865	-0.02078121	0.01083737	0.03777201	-0.08046007	0.08046007
KL	0.00691864	-0.133061	-0.01330469	0.01602225	0.04915537	-0.03019054	0.1419853	-0.1419853
ZNF331	-0.01127568	0.01420814	0.09897377	0.03990176	-0.00187811	-0.0337567	0.2074001	-0.2074001
HCLS1	-0.04169755	-0.00455412	0.1426964	0.05747514	0.01489063	0.06979129	0.1833651	-0.1833651
MCCC2	0.00649486	0.09039116	0.05950149	0.05093586	-0.02451319	0.09574686	-0.2834021	0.2834021
RAC3	-0.04685403	0.06373165	-0.03800113	-0.0873363	-0.00791699	-0.00274794	-0.05369794	0.05369794
RPS19	-0.05515998	-0.00780594	0.04286523	0.0207091	-0.04905741	0.06684173	-0.06817308	0.06817308
ITGA9	-0.02757532	-0.1235292	0.1608188	0.0567724	-0.01387998	0.03762669	0.3588661	-0.3588661
COPG1	0.04351648	0.09335411	0.03985235	0.05605382	-0.05373568	0.09488781	-0.1963652	0.1963652
ZNF273	0.02962287	0.01321902	0.04265952	0.01759064	-0.00504719	0.03384006	-0.1469513	0.1469513
SOCS4	-0.02695412	0.08280666	0.03911261	0.08056108	-0.04657845	0.09239394	-0.1519328	0.1519328
LY9	-0.02019577	-0.1070547	0.1138097	0.06912074	0.0754766	0.0733958	0.1961299	-0.1961299
SYCP3	0.1070502	-0.07892918	0.01760448	-0.00624251	0.01890184	-0.04768179	0.04619914	-0.04619914
CCDC115	0.00597607	0.1070645	-0.03935966	-0.03826081	0.04838027	-0.06917105	0.01415658	-0.01415658
ZFPL1	-0.02667118	0.03368379	-0.0729912	-0.06674379	-0.00329186	-0.03000168	0.01784164	-0.01784164
GIPC1	0.05918411	0.02169191	-0.1402937	-0.1036627	0.02093543	-0.04668748	-0.1234632	0.1234632
BEX3	0.02029653	-0.1329143	0.02833077	0.06821834	0.00594506	0.02958175	0.2045081	-0.2045081
SLC25A30	0.03456837	-0.05480974	0.09682941	0.05678075	0.00918347	0.06954402	0.1139649	-0.1139649
RASSF4	0.02531661	0.07105238	0.156808	0.04835571	-0.04229644	0.04235356	0.1465296	-0.1465296
SULT4A1	-0.08325601	-0.03768028	-0.00357531	-0.05282131	-0.04019129	0.02998825	-0.050503	0.050503
HIST2H2BE	-0.04292126	-0.01683347	-0.07740656	-0.04296341	-0.00904651	-0.05602281	-0.02280691	0.02280691
EEFSEC	-0.00877835	-0.02905318	-0.00195448	0.0022122	-0.04656762	0.07636285	-0.04510641	0.04510641
NPTN	0.00332418	-0.02319987	0.1104686	0.01357242	-0.01528787	0.02073422	0.2264466	-0.2264466
DUSP23	-0.03339721	0.00789082	-0.1268114	-0.1007987	0.07243569	-0.08727648	0.1129424	-0.1129424
AKTIP	0.03082659	-0.05933497	0.1587199	0.0491596	0.091328	0.03803455	0.1395288	-0.1395288
TNKS	-0.02190987	-0.04328386	-0.00036102	-0.01262302	-0.06135437	-0.01412241	0.04470727	-0.04470727
KMT5C	0.0422258	0.07879043	-0.04348728	-0.06214774	-0.04302562	-0.03075639	-0.1400927	0.1400927
AKR1E2	-0.01238801	0.06323324	0.02114172	-0.02229772	0.04580705	0.02795792	-0.02318106	0.02318106

SRGAP2	0.07684906	-0.02101955	0.07392287	0.05421335	0.04352189	0.04301347	0.06927497	-0.06927497
GBGT1	-0.00392659	-0.06961783	-0.02909371	-0.04493424	0.04165654	0.01852552	0.1718738	-0.1718738
ZNF449	0.04480713	0.07196976	0.1104691	0.04753952	0.00714384	0.06290106	0.102453	-0.102453
TAF A5	0.03068946	-0.1261422	0.05456518	0.06620441	-0.03218028	0.08297246	0.4091537	-0.4091537
MTBP	0.03174655	0.1045784	-0.00171763	-0.00647622	-0.00996773	0.03063975	-0.1572253	0.1572253
HOXB5	0.01864213	0.04989096	-0.06667217	0.04265966	0.03790566	-0.02308809	0.1080213	-0.1080213
ALDH7A1	-0.00475653	-0.01148493	0.06457785	0.0761999	-0.01853596	-0.0026227	-0.1029927	0.1029927
PIP4K2B	-0.00058581	-0.09699881	0.02238794	0.03760955	0.05723209	0.03321608	0.1060503	-0.1060503
NPIP B13	0.150087	0.08859231	0.07904697	0.08429892	0.0204906	-0.02130732	-0.00921931	0.00921931
NEU3	0.01341888	0.02952079	0.05478985	0.02076019	-0.03055837	0.04760061	-0.1102306	0.1102306
UBE2H	0.1161162	-0.00365066	0.111392	0.00348999	0.05479973	0.04850241	0.1240757	-0.1240757
LTBR	0.02486682	0.08957821	-0.03742166	-0.08867427	-0.03165309	-0.02910588	-0.01124419	0.01124419
CHRM4	-0.09780432	-0.01789857	-0.02551891	-0.03231508	-0.00242104	-0.01592843	0.143579	-0.143579
C3orf33	-0.1077754	0.03427245	0.1146492	0.108094	-0.06260291	0.0124147	-0.1333705	0.1333705
PDE3B	-0.03074776	-0.00532562	0.1307413	0.06017307	-0.03978357	0.1361767	0.03746246	-0.03746246
ACTR3B	-0.02154511	0.03233324	0.0156892	-0.0943009	-0.00198364	-0.00537685	-0.2655414	0.2655414
CYP4X1	0.0893796	-0.03313828	-0.07156139	-0.05907674	-0.03721435	-0.02667215	-0.1629875	0.1629875
ASPHD1	0.02937632	0.0714241	-0.00350424	0.06495181	0.1079313	0.00854067	-0.08643403	0.08643403
THEM6	0.01015714	0.1213505	-0.03703144	-0.04461774	-0.05616344	0.02635221	-0.1333046	0.1333046
JMJD1C	0.00441504	0.03801363	0.1704376	0.09873192	0.00731853	0.1181488	0.00452074	-0.00452074
ATP5MD	-0.1393172	0.03163583	-0.070031	-0.0387785	-0.04793707	0.01522681	-0.09963203	0.09963203
ATAD2B	0.07976802	0.04607148	0.1368365	0.1243012	0.00757995	0.128023	-0.1637041	0.1637041
ZNF485	0.00375148	0.1118541	0.1344448	0.00281713	-0.00102363	0.07474668	-0.2588223	0.2588223
RAMP3	0.04898899	-0.09012809	0.1054235	0.04132265	0.05350306	0.02196186	0.4165459	-0.4165459
NXP H4	0.00463662	0.04536844	0.09327245	0.0150098	0.00261791	0.09198333	-0.00686545	0.00686545
AMPD1	0.06021396	0.04416231	0.08202572	0.135702	0.1671042	0.1181511	0.0666061	-0.0666061
RUVBL2	-0.1124041	0.04126855	-0.03269395	-0.00584454	0.01727023	0.05619682	-0.1391051	0.1391051
CAV2	-0.01625898	-0.06515479	0.02362225	0.1291239	0.05024218	0.08935218	0.1445651	-0.1445651
TMEM175	0.08450869	-0.00619963	-0.08566349	-0.00690995	-0.03497253	-0.02178893	0.119204	-0.119204
HOXB2	-0.05414577	-0.0414284	-0.08512435	0.0555319	-0.03919895	-0.06540006	0.1947883	-0.1947883
IFFO2	0.1068278	-0.05606803	-0.07134029	-0.06170836	0.04039921	0.01364892	-0.02066704	0.02066704
HADHA	-0.04527215	0.08176376	-0.04260963	0.04821518	0.03777102	-0.05199698	-0.1931049	0.1931049
TMEM138	-0.03593326	0.0612359	0.00351278	-0.02477899	0.07475026	0.08354957	0.01398113	-0.01398113
PARVB	-0.1111363	-0.02744408	0.1162588	-0.00603181	0.02686331	0.06155168	0.1397843	-0.1397843
PPP1R8	-0.07814749	0.03185124	0.1123565	0.00954836	0.0077425	0.05800497	-0.1050902	0.1050902
PAIP2B	-0.09145901	-0.05674731	-0.06261468	-0.02424315	-0.00474998	-0.03669736	0.00074266	-0.00074266
TRIT1	-0.01976246	0.07089271	-0.00322557	-0.00766448	0.04231696	0.02786702	-0.1020691	0.1020691
FANCE	0.00455634	0.09027045	0.02585046	-0.02132607	0.0087491	0.05322939	-0.2118827	0.2118827
TMEM104	0.08146019	0.00734106	-0.00914082	0.02622409	0.04813096	0.05575705	0.01150935	-0.01150935
COPS9	-0.02277573	-0.06409362	0.01637949	-0.04284597	-0.05277297	0.0159564	0.04298085	-0.04298085
SECISBP2	0.08171335	0.0957161	0.05210018	0.03045996	0.00600804	0.06379814	-0.1732788	0.1732788
S1PR3	0.01023771	-0.1305379	0.1207013	0.0458307	0.00364219	-0.02445893	0.4438156	-0.4438156
DHRS9	-0.01043526	-0.07514881	0.04281065	-0.00605127	0.05388614	0.07731686	0.02242712	-0.02242712
CALCOCO1	0.03654653	-0.1176751	0.1256666	0.05493199	0.04094405	0.06936619	0.3348839	-0.3348839
CSAD	0.116072	-0.05588983	0.039546	0.08676399	0.0018504	0.05943343	0.03688592	-0.03688592
EXOSC3	-0.1073332	0.07114094	0.00200073	-0.07064816	0.00508244	0.03953202	-0.1021945	0.1021945
AKNA	-0.01513322	-0.01254761	0.09687756	0.06393354	0.06563408	0.06406358	0.1484942	-0.1484942
HVCN1	-0.01728974	-0.1350315	0.05979166	0.02466494	0.0470905	-0.01963614	0.2492931	-0.2492931
NFRKB	0.05614618	0.08215908	0.04087979	0.03461555	-0.00347164	0.07827117	-0.1845478	0.1845478
COL10A1	-0.01800408	0.00742068	0.112885	0.02266928	0.00364297	0.01930114	0.4942063	-0.4942063
GTF2B	-0.07633704	0.1239483	0.03631674	0.03132482	-0.02707048	0.00416158	-0.1741547	0.1741547
KCNN3	-0.07151762	-0.02346425	0.04716763	0.01448555	0.01794015	0.02846427	0.0580895	-0.0580895
THR B	-0.07731973	-0.05290314	0.0791433	0.1148492	0.06322864	0.04453707	0.01630057	-0.01630057
TCL1A	-0.04049791	-0.1185218	-0.0098759	0.01067474	0.01191128	-0.02422815	0.04552789	-0.04552789
TSPAN14	0.07121754	0.00251444	0.01811476	0.0465447	0.0399521	0.0193988	0.1073733	-0.1073733
CLTA	-0.064757	0.0112345	0.02230281	-0.04680678	0.0652105	0.1020129	-0.04678093	0.04678093
STX8	0.00307855	-0.06033627	0.06424381	0.02687103	-0.02964626	-0.03740985	0.2908077	-0.2908077
ZBTB32	-0.07780194	0.00742466	0.1338218	-0.01298084	-0.01879375	0.05262219	-0.0325556	0.0325556
NGLY1	-0.114351	0.08324669	0.03804551	0.00549615	-0.00284346	0.03792231	-0.2758157	0.2758157
TBC1D16	0.1478238	-0.02730241	-0.01478413	-0.02725127	0.04591585	-0.00300609	0.07853285	-0.07853285
DHX58	0.03860713	0.04122142	0.1106864	-0.00449946	0.06828354	0.04186887	0.101375	-0.101375

GPR173	0.00699019	-0.00072283	0.07724258	0.06404079	-0.00673843	0.1062345	0.2304873	-0.2304873
NOB1	-0.07825734	0.03925645	0.08161098	-0.04464275	0.102547	0.06352175	-0.1560759	0.1560759
STK19	0.05618838	0.01932121	0.00191048	-0.00017211	-0.04733924	0.02704636	0.00392532	-0.00392532
TRIM3	0.06426113	0.00248298	0.1115569	0.0655683	0.07051616	0.09320211	0.1839283	-0.1839283
HLX	0.04614774	-0.01299988	0.09072107	-0.00120731	0.01664264	0.04271795	0.4719228	-0.4719228
XAF1	-0.00903866	0.126259	0.1916934	0.06368057	0.00939984	0.1029867	0.06601439	-0.06601439
TSEN15	0.02085143	-0.08602183	0.09835398	-0.05469855	0.0184412	-0.04546287	-0.07823163	0.07823163
ACTR5	0.0815927	0.03289091	0.07934829	0.01552743	-0.01860869	0.07323974	-0.1381434	0.1381434
MTERF2	0.07070005	-0.03296208	0.03678077	0.04082854	-0.01692366	-0.03875208	-0.09887722	0.09887722
SLC4A4	-0.02404415	0.01708384	-0.03995929	0.0706457	-0.03108579	-0.04462334	-0.1676488	0.1676488
ALKBH7	-0.09396211	0.01414444	0.0149215	-0.08706053	-0.05248904	-0.04632966	0.1087397	-0.1087397
CDK5RAP3	0.03737008	0.1902038	-0.00387825	-0.00190414	0.00978238	0.03035156	-0.2442633	0.2442633
NME3	-0.022927	0.05126306	0.00239971	-0.0261791	-0.02329605	-0.05178709	0.1125813	-0.1125813
CMSS1	-0.08764885	0.07053207	-0.00790146	-0.02861613	-0.02941544	0.02490008	-0.1373019	0.1373019
IKZF5	-0.01634408	0.05192447	0.09713165	0.05649363	-0.01350475	0.07126849	-0.06861563	0.06861563
ACADVL	-0.02971737	0.1668276	-0.1311995	-0.01586255	-0.07382203	-0.06067358	-0.1585025	0.1585025
WLS	0.07046042	-0.1047142	0.07913713	0.09303286	0.0618154	-0.05875085	0.3068503	-0.3068503
DYNC1I2	-0.00683735	-0.02298111	0.169139	0.05325659	0.0390957	0.03646095	0.06472308	-0.06472308
NIN	-0.00375533	0.03099651	0.1480824	0.03626378	0.0244727	0.03772973	0.2316872	-0.2316872
ALDH3B2	0.06308228	-0.03985284	-0.08035797	-0.04112788	-0.04672157	-0.01931988	-0.1054334	0.1054334
MSH3	0.09762059	-0.05465016	0.1547049	0.1088356	-0.01032012	0.1124749	-0.08799634	0.08799634
DEPDC7	0.00037474	0.09485381	-0.09340677	-0.1198618	0.02282906	-0.07972402	-0.04398613	0.04398613
POMGNT1	0.01542971	0.08535123	-0.05394109	-0.02715026	0.00675945	-0.06304067	-0.06425172	0.06425172
SIGLEC10	-0.07612749	0.00117091	0.07890393	0.02525504	-0.00711058	0.05221578	0.0616509	-0.0616509
QPCT	0.0690742	-0.05598795	-0.05045044	0.02919449	0.01078729	0.0378766	0.00300038	-0.00300038
SEC23A	-0.03379181	-0.0469944	0.2267528	0.1582911	0.06800458	0.07189907	0.2153965	-0.2153965
NUDT9	-0.03636999	0.06641751	0.01075985	0.09663387	-0.02372667	0.00558303	-0.1496218	0.1496218
MYBL1	-0.06129791	-0.06308762	-0.01301662	0.00645719	-0.03039914	-0.00469121	-0.01003228	0.01003228
KLHL5	-0.00694157	-0.06555332	0.1556684	0.04627033	0.02114298	-0.04514206	0.3474711	-0.3474711
RPL17	-0.1106988	0.02208566	0.1445755	0.00055403	-0.05249684	0.04743366	-0.02435322	0.02435322
KPNA1	-0.03075629	0.00893105	0.1066116	0.02137081	-0.02346801	0.05976307	-0.02955789	0.02955789
EFCAB13	0.04161037	-0.01193633	0.07413709	0.05892921	0.05343728	0.06845031	0.03698557	-0.03698557
UCK2	-0.01282756	-0.02649557	-0.05081127	-0.06293605	0.0203385	-0.03532303	-0.2093143	0.2093143
ZNF581	-0.09069808	-0.00662728	0.00319195	-0.03783102	0.002221	0.04971827	0.06472986	-0.06472986
HOXB3	0.04858828	0.04026672	-0.02256034	0.05077049	0.02543099	-0.0261423	0.04782569	-0.04782569
HSP90AA1	-0.06488923	-0.03618971	0.09100354	0.06074007	0.01657247	0.1516186	-0.2321344	0.2321344
NLE1	0.04083358	0.0671995	0.00067613	-0.00082266	0.104291	0.07006301	-0.1542412	0.1542412
WDR34	-0.07197664	0.09355247	-0.07758414	-0.1098452	-0.00835873	-0.00370999	-0.1673051	0.1673051
AC119396.1	-0.04185884	-0.1645512	0.06847481	0.02475959	0.06348951	0.0049939	0.2588825	-0.2588825
AGTR1	-0.02814334	-0.1944465	0.0544659	-0.0262433	0.03381652	-0.1241633	0.2568887	-0.2568887
GPD2	0.0270355	0.1215565	0.06592908	0.03118935	-0.02551173	0.02035572	-0.1052783	0.1052783
GNAQ	0.03715007	-0.05863386	0.1551929	0.04727642	0.00882547	0.05002593	0.04278483	-0.04278483
LONRF2	-0.02707958	-0.1343167	0.06659346	0.00515316	-0.01312415	0.00662225	0.2864368	-0.2864368
DYRK2	0.08261186	0.06733783	0.08693284	0.04585563	-0.01470296	0.05481589	0.02108218	-0.02108218
KHDC1	0.1203303	-0.06721996	0.03738611	0.1078759	0.06204925	0.07470833	-0.01140078	0.01140078
RGS5	0.03327219	-0.07749571	0.1661533	0.1300686	0.1563587	0.03806676	0.2649134	-0.2649134
VSIR	-0.03945272	-0.04083804	0.00546468	0.0734684	-0.04811086	0.04714625	0.08424028	-0.08424028
AFF3	-0.07054261	-0.1968911	0.07058296	0.05465821	-0.001846	0.03451925	0.2374767	-0.2374767
SYNCRIP	-0.01984964	0.06704087	0.1430133	0.06142082	0.05490318	0.08260655	-0.2110406	0.2110406
SET	-0.03181337	0.1000797	0.07112963	-0.05347197	-0.0373221	0.05822458	-0.1394562	0.1394562
CHGB	-0.09615812	0.04011715	-0.02995755	0.04074543	-0.02804193	0.02563878	0.05244018	-0.05244018
BRWD3	0.06269799	0.0876451	0.04691374	0.00469825	-0.01826404	0.05750915	-0.2207809	0.2207809
GMPR2	0.01238318	0.07126331	0.0942677	0.08711512	-0.01304362	0.1690886	-0.09312478	0.09312478
TRIM28	-0.00471857	0.04185517	-0.03505129	0.02026025	0.00265311	0.04588385	-0.1003071	0.1003071
WDPCP	0.0875857	-0.1333142	0.1263946	0.06222066	0.01388407	0.01822958	0.2389521	-0.2389521
PKD2	-0.01777274	-0.1492505	0.1850577	0.09714687	0.00060003	0.04578513	0.5042994	-0.5042994
SRC	0.0599802	0.04059503	0.0258013	-0.00122169	0.01933837	0.07666049	-0.1652629	0.1652629
B3GNT5	0.059452	0.03503998	0.01794931	-9.11E-05	-0.02261745	0.00937861	-0.2332766	0.2332766
FAM98C	-0.07220711	0.06729374	-0.09767665	-0.08798587	-0.03209166	-0.05453297	-0.1235916	0.1235916
AR	-0.06897181	-0.1390602	0.1253236	0.04151814	-0.0265832	0.01362336	0.399234	-0.399234
GALNT17	0.09620469	-0.1558504	0.08596961	0.05367465	-0.05103695	0.01333238	0.3423782	-0.3423782

COL28A1	-0.02767487	0.02616706	0.09320615	0.04614917	0.04447045	0.09473406	-0.09349855	0.09349855
PDIA5	0.03922001	-0.03452578	0.03807808	0.1236661	-0.07977047	0.02531136	-0.116802	0.116802
VAPA	-0.03717458	0.0104677	0.07215167	0.05846671	-0.04402605	0.03057009	-0.06583791	0.06583791
UGT1A1	0.02723002	-0.05927203	-0.09007568	0.04038661	-0.02102036	0.02445924	-0.04103436	0.04103436
BBOX1	0.02922555	-0.00349062	-0.1604732	-0.02167027	-0.01072523	-0.06128812	-0.05771732	0.05771732
IBA57	0.02592466	-0.05943027	0.04501769	0.02345314	0.04631106	0.01214386	-0.03008163	0.03008163
MAL2	-0.02214349	0.09307766	0.07689006	0.01729968	0.0647506	0.09537459	-0.1674455	0.1674455
MFAP2	-0.00352846	-0.00287528	-0.01347044	-0.01176131	-0.04025939	-0.02900682	0.3896095	-0.3896095
FAM118B	-0.1151353	0.08617829	0.0156988	0.07234373	-0.0252661	0.0267266	-0.1421763	0.1421763
CCDC87	0.0162638	-0.05140078	-0.103676	-0.05501463	-0.06983394	-0.00826379	-0.0637906	0.0637906
POR	0.09257563	0.04092361	-0.1192557	-0.09900067	-0.03707671	-0.05810339	-0.09002501	0.09002501
KDM4D	-0.02712291	0.02827741	-0.00131041	-0.03815415	0.04478271	-0.01836877	0.08627205	-0.08627205
ANKRD36C	0.03047043	0.04498263	-0.097903	-0.02438496	-0.04340475	-0.04254429	-0.08513389	0.08513389
APC	0.00673686	-0.00862813	0.1523705	0.0832818	0.00036775	0.1003801	0.01192603	-0.01192603
ANGPTL6	-0.04555591	-0.06331531	0.03167828	-0.0044193	-0.00200824	0.04932125	-0.01509134	0.01509134
XCR1	0.06177898	-0.03295519	0.1145348	0.01747309	0.1401942	0.1231793	0.1078874	-0.1078874
RET	-0.01447415	-0.06856742	-0.00893443	-0.01612641	-0.03569907	0.03262588	0.06425799	-0.06425799
FAM76B	0.03491191	0.1153235	0.1018992	0.08516419	-0.02857096	0.06622446	-0.1412555	0.1412555
TRPV2	-0.1351273	-0.03292438	0.09553499	0.06807237	0.04526558	0.07623241	0.1312145	-0.1312145
GP1BA	-0.000861	-0.09122426	0.05982877	0.03975585	0.1090139	-0.00597312	0.1571264	-0.1571264
RPSA	-0.1088947	0.04816525	0.07898855	-0.00047904	-0.08624838	0.05762223	-0.1151865	0.1151865
LAMB1	0.065499	-0.00878511	0.1198879	0.08670412	0.03018171	0.1069471	0.2678316	-0.2678316
ARSJ	0.05372917	-0.0053411	-0.01207879	0.0157123	-0.0213014	-0.05368765	0.1564835	-0.1564835
RIPK3	0.01430173	0.1749805	-0.06324569	0.0031261	0.01512297	0.04069428	-0.1659934	0.1659934
STK31	0.03133477	0.09541949	0.05060546	0.09907547	-0.0227388	0.06521765	-0.1303243	0.1303243
GLIS3	0.06799821	0.00430227	-0.00158022	0.1143992	0.04306137	0.05727677	0.09165389	-0.09165389
CAPZB	0.01668035	-0.0500686	-0.04564249	-0.05693371	-0.02805744	-0.06602003	0.2077082	-0.2077082
PTMA	0.0203617	0.04529302	0.0489395	-0.05336579	0.01270192	0.03937946	-0.07720593	0.07720593
P3H1	0.06462505	0.00511689	0.05684543	0.0647503	-0.00472591	0.02496014	0.3999168	-0.3999168
ZNF557	-0.01724309	-0.08897532	0.09734909	-0.05177256	0.00800301	0.04275308	0.03672864	-0.03672864
NUP88	-0.05217166	0.125739	0.06544957	0.04378023	-0.02386332	0.0187374	-0.2341784	0.2341784
SLCO2B1	-0.01595007	-0.01466461	0.2035094	0.1122317	0.05256402	0.09445327	0.1466302	-0.1466302
ABI1	-0.01621447	0.1296703	0.1090193	0.02705646	0.02796108	0.06511139	-0.1303428	0.1303428
FIBCD1	0.07888946	0.00123656	0.01459111	-0.02939202	-0.02574235	0.02993028	0.04581835	-0.04581835
DHRS13	-0.00018315	0.02519354	-0.1043676	-0.08371219	0.01604969	-0.03220123	-0.1565583	0.1565583
TMEM242	-0.03244197	0.0367413	0.1248642	0.06647951	0.05458765	0.00024932	0.06578542	-0.06578542
PRPF40B	0.06454379	-0.00080545	-0.08716932	0.01301918	0.01960612	-0.00742237	0.04563445	-0.04563445
ATF1	-0.04271702	-0.02566729	0.09215767	0.05488872	-0.03072128	0.08521835	-0.1025519	0.1025519
INF2	0.02595112	0.08263889	0.01956918	0.07347447	-0.00668626	0.1047002	-0.10545	0.10545
ZNF587B	0.01938788	0.1123623	0.09753367	0.08656152	0.01129967	0.08449935	-0.1366289	0.1366289
ZFC3H1	0.04505571	0.07232302	0.07750959	0.07607449	0.00154253	0.1437841	-0.1078521	0.1078521
ANGPTL1	-0.03721281	-0.1564739	0.1101624	0.01766723	0.00787865	-0.06283474	0.3274956	-0.3274956
TMEM177	-0.1073424	0.07746237	-0.1019548	-0.03231356	0.01276377	-0.01801228	-0.1560148	0.1560148
MFSD14C	0.03638803	-0.01797768	0.06898713	0.01359428	0.04973728	0.0443368	0.1491423	-0.1491423
SCLT1	-0.00415665	0.01086448	0.1469558	0.09249095	-0.01373491	0.1297216	-0.131603	0.131603
BLOC1S1	-0.09900812	0.00515399	-0.0597433	-0.06179093	-0.06602907	-0.04693625	-0.04382662	0.04382662
ZNF805	0.02772789	0.02070263	0.1266453	0.04612895	0.02651734	0.07111508	0.04060403	-0.04060403
APEH	-0.05599589	0.07857269	-0.00751371	-0.02171513	-0.06249434	0.05004924	-0.282319	0.282319
MEIS2	0.1053707	-0.09352319	0.123593	0.1055218	-0.0125563	0.09641068	0.07916595	-0.07916595
ENOX1	-0.02644918	-0.1866027	0.1374725	0.09053627	0.06730053	0.00012708	0.5097408	-0.5097408
NPM1	-0.04466207	0.05700057	0.1092996	0.07055248	0.00243612	0.1121255	-0.1830483	0.1830483
GAS2	0.1069624	0.01152673	0.04339373	-0.04489972	0.2033744	0.01435812	-0.01209633	0.01209633
ALPI	-0.07732134	-0.03074904	-0.04633619	0.0735265	0.00644807	0.09055497	-0.1146271	0.1146271
ZNF292	0.05575086	0.07466426	0.1369644	0.03699848	-0.00347202	0.08792941	-0.131275	0.131275
GNG4	-0.0280975	-0.01127447	-0.02902375	-0.01516002	-0.0189283	0.00545277	0.01202963	-0.01202963
RRAS	-0.0477653	-0.08165854	0.03749893	-0.00183553	0.03015618	-0.01120122	0.4543162	-0.4543162
RIPOR3	0.08802762	0.02732809	-0.01397612	0.01976626	-0.01788574	-0.04044499	0.1362386	-0.1362386
NUDT21	0.05172253	-0.00596963	0.1685708	0.08884547	0.05012235	0.09421848	-0.17481	0.17481
SNRNP70	0.01374827	0.09755365	0.02595456	0.01151851	0.02473137	0.05098569	-0.09802845	0.09802845
SYNE2	0.08844678	0.02754271	0.09616892	0.05839222	0.1121984	0.1395146	-0.1132303	0.1132303
ZNF358	0.01027252	-0.1413138	0.02263692	-0.04610623	0.0118436	-0.02584069	0.3134821	-0.3134821

AMOTL2	0.00762351	-0.05880767	0.08453511	0.04655048	-0.02073652	0.06677802	0.2632182	-0.2632182
BARD1	0.00052844	0.08958252	0.07092355	-0.01486022	0.02085733	0.0219639	-0.2243417	0.2243417
DYNC2H1	0.02408899	-0.1094834	0.09731137	0.121238	0.01440656	0.02718382	0.2892437	-0.2892437
ARHGAP10	0.0312629	-0.1489404	0.1001301	0.04344068	0.044431	-0.01836858	0.306507	-0.306507
ZNF222	-0.0535798	-0.04702942	0.0938855	-0.02847869	-0.01199263	0.0397681	-0.04103537	0.04103537
JMJD8	-0.02998826	-0.06677619	-0.00342796	-0.02642111	-0.04129009	-0.05747452	0.2040796	-0.2040796
ABAT	0.1218529	-0.115574	-0.01894166	-0.01468139	-0.00987033	0.0116557	-0.09541996	0.09541996
DOK5	0.01820375	-0.1226199	0.08465819	0.00449956	-0.00976708	-0.06425938	0.5526446	-0.5526446
SLC25A20	-0.07098246	0.03844973	-0.05178775	0.04715476	0.02512355	-0.00747459	-0.2128178	0.2128178
FAXDC2	0.00568601	-0.1629046	0.05671232	0.02528032	-0.01013257	-0.00088056	0.3667861	-0.3667861
PAQR6	0.09420818	-0.01068519	0.0172677	0.08829969	-0.01189748	0.02063602	-0.09911029	0.09911029
C15orf39	0.01000315	0.03345286	-0.03801509	-0.01878889	-0.01999765	0.06615465	0.01055699	-0.01055699
PMF1	0.0508172	0.05805673	-0.1109023	0.03876618	0.05463273	-0.06333914	-0.08337431	0.08337431
SIRT6	-0.06895066	0.08889784	-0.01807634	-0.08420094	-0.03160692	0.00154059	-0.04567204	0.04567204
APOE	-0.01006733	-0.09754715	0.05298795	-0.03398093	-0.02442199	-0.03206654	0.2044587	-0.2044587
DHX36	0.00774752	-0.00120435	0.1567465	0.151217	-0.00136417	0.1431899	-0.00225312	0.00225312
IGLON5	0.04081946	-0.04379279	-0.00078345	0.0594073	-0.02005651	0.03309076	0.1368163	-0.1368163
ZBTB46	0.07407876	-0.05532084	0.05724081	-0.01278107	-0.00102718	0.08018535	0.2922571	-0.2922571
MYH3	0.01007017	0.07010806	0.04902131	-0.02865695	0.06145981	0.01857951	0.06749341	-0.06749341
FST	-0.07757403	-0.01448059	-0.03958653	0.1161212	-0.03334319	0.1138539	0.01928927	-0.01928927
MTRNR2L8	-0.09865488	-0.1074374	-0.04016551	-0.03639993	0.09980823	0.029097	0.00552092	-0.00552092
JTB	-0.01025077	0.03857746	-0.1010751	0.02235295	-0.02391873	-0.05770253	-0.1360011	0.1360011
DEGS1	-0.03554563	-0.1190042	0.2019866	-0.00565576	0.06228281	0.01363436	0.2949285	-0.2949285
CHURC1	0.01332332	-0.03225825	0.2087045	0.1205517	-0.02317772	0.1200022	0.1919825	-0.1919825
PEG3	0.03835325	-0.07953901	0.0215198	0.07749751	-0.01549462	0.02823202	0.1605344	-0.1605344
DQX1	0.05738099	0.1633384	-0.09347572	0.03042253	0.01096608	-0.01112596	-0.3095849	0.3095849
ENG	0.07177757	-0.03267629	0.1023871	0.059776	0.04964841	0.05284183	0.4226805	-0.4226805
JAG2	-0.08764345	0.1189366	0.05662506	-0.08258955	0.01799363	0.08834663	0.02404212	-0.02404212
ANKDD1A	0.04366049	-0.03663315	0.1379727	0.0976425	0.01890911	0.06242111	0.2391249	-0.2391249
BTNL3	0.07760128	0.1221116	-0.03959215	-0.0393161	0.01196946	-0.0197255	-0.2085282	0.2085282
EFEMP1	-0.03909998	-0.1350664	0.1344727	0.09876103	-0.01944053	-0.03658323	0.4250223	-0.4250223
CTDSP2	0.0866441	-0.08030531	0.1336135	0.09769131	0.00996256	0.1139319	0.2246353	-0.2246353
RBM14	-0.05115614	-0.00176405	0.03127849	-0.01481881	0.01981398	0.09157408	-0.162965	0.162965
RAPGEF6	-0.02404534	-0.0426481	0.2158055	0.1480069	0.02313022	0.1660984	0.04557929	-0.04557929
PMS1	-0.03053254	0.06585772	0.1144899	0.09583606	-0.01893323	0.09299549	-0.1907678	0.1907678
ZNF813	0.04553905	0.00287018	0.02189141	-0.01825635	-0.05964884	-0.03462261	-0.06306824	0.06306824
ZRSR2	-0.3678144	0.03190438	0.1466046	0.03371122	-0.01233173	0.07274042	0.1305448	-0.1305448
NDUF8	0.02341482	-0.02805265	-0.09131637	-0.0123605	0.0228449	-0.01830299	-0.01897567	0.01897567
HEBP1	-0.1334411	0.04835407	0.09936698	-0.09242596	-0.06000618	-0.02079517	0.06405277	-0.06405277
SH3TC2	0.03971378	-0.06369725	0.07631017	-0.00340156	0.0154019	0.09359648	-0.09167267	0.09167267
SEMA7A	0.07009278	-0.06182497	-0.0667084	0.048312	0.00627396	0.03713109	0.1966695	-0.1966695
ZNF488	0.01090256	-0.02295881	-0.09087739	-0.01480839	0.0364417	0.00056919	-0.1555169	0.1555169
RNASE4	0.04503364	0.06684349	-0.01962724	0.07699315	-0.03454714	-0.06504228	-0.07638896	0.07638896
CDK18	0.1078969	0.01734532	0.01786702	0.0178019	0.0951741	0.0147851	-0.1498918	0.1498918
CDC37L1	0.02660807	-0.00838465	0.1257347	-0.0469032	0.01143634	0.00125691	0.03839246	-0.03839246
ACTL10	-0.01536314	0.01994467	0.0119801	-0.02804155	0.01993918	0.0371038	-0.1329836	0.1329836
HIP1	0.08318434	-0.05601366	0.07171357	-0.02336867	-0.00186968	0.06096831	0.2953474	-0.2953474
PPA2	-0.07623858	0.0956202	0.0396231	0.01594624	0.01780801	0.00220539	-0.2892631	0.2892631
PPP4R3B	0.05137162	0.05154303	0.164184	0.0895251	-0.00990126	0.0854908	-0.1931938	0.1931938
MIS18A	0.01474916	0.01972019	-0.01639939	-0.08617247	-0.00267747	-0.02934586	-0.2643624	0.2643624
PMEL	0.1149359	-0.01319566	-0.02790539	0.06301053	0.03583863	0.02904143	-0.089989	0.089989
TPAN7	0.02665632	-0.09359876	-0.05944094	0.09362682	-0.02217926	-0.02025631	0.162917	-0.162917
SLC6A1	0.02558509	-0.00391678	0.01711259	-0.05072653	0.07767681	-0.00029688	0.2663636	-0.2663636
ISCA1	-0.0657096	-0.06451715	0.08269213	0.04013346	0.01623847	-0.03815041	0.06864943	-0.06864943
GYG1	-0.04372945	-0.1297191	0.1783954	0.05084602	-0.02512455	-0.00019346	0.2911278	-0.2911278
PIBF1	0.1091847	0.01329314	0.1019311	0.02535657	0.00579824	0.06046807	-0.1096226	0.1096226
PRXL2C	-0.01602791	-0.08376599	0.1425745	-0.0039407	0.02551108	0.00384128	0.3206551	-0.3206551
OMG	0.05624512	0.01255889	0.1132347	0.07846836	0.05585196	-0.02916595	0.1301421	-0.1301421
SOCS1	-0.00183622	-0.00111625	0.08200953	-0.03442872	-0.02690019	0.05528559	-0.01065911	0.01065911
NEFH	-0.08512092	0.00139917	-0.00636842	-0.06895784	-0.02073968	-0.06363242	-0.01030641	0.01030641
FKBP1B	-0.01581235	-0.04183034	-0.00943371	-0.0224673	-0.03244129	-0.06577813	-0.06948992	0.06948992

WARS	-0.0414904	0.01778842	0.1375951	-0.04897468	-0.01928545	0.07269906	-0.05276168	0.05276168
FBXO48	-0.04362259	0.05153055	0.00761375	-0.03044297	3.86E-05	-0.00325345	-0.0828151	0.0828151
C1D	0.00104211	0.06783412	0.04875315	0.04820579	-0.04639234	-0.02010286	-0.05774679	0.05774679
GTF2E2	-0.1150926	0.09544471	-0.04708008	-0.06159288	-0.02956691	-0.1119885	-0.181147	0.181147
FZR1	0.00606019	0.03381485	-0.0161204	-0.06505126	-0.00765406	0.00249194	0.00760186	-0.00760186
ADAMTS13	0.0707497	0.01290878	-0.05744368	-0.05079623	0.07789062	0.01509749	-0.1062261	0.1062261
CXCL5	-0.02328091	0.03479518	-0.06844494	-0.09951325	-0.0250797	-0.03349963	-0.1135633	0.1135633
SPAG7	-0.02012892	0.03812122	0.05294581	-0.02175117	-0.03210981	-0.02994402	0.1368269	-0.1368269
BRPF1	-0.05153414	0.0579099	0.03167598	-0.02484483	0.0059805	0.07758079	-0.0220659	0.0220659
ARHGAP20	-0.02104793	-0.1499827	0.1931184	0.05421172	0.03621207	0.00474908	0.4916024	-0.4916024
C3orf70	-0.02289927	-0.1407788	0.05182529	-0.011929	0.00096582	-0.0545954	0.2838815	-0.2838815
PLEKHA2	-0.06890346	-0.0952426	0.1340248	0.02328606	-0.00870034	0.04504952	0.1788402	-0.1788402
PPP1CC	-0.06392241	0.0131405	0.03281096	-0.02786936	-0.04320427	-0.00091362	-0.1996852	0.1996852
SYNGR2	0.00648651	0.04692041	0.00521421	-0.02639022	0.05887621	0.02048072	0.02295547	-0.02295547
ZSCAN18	-0.0066728	-0.1523705	0.05861843	0.01630741	0.01017747	-0.01215859	0.2901629	-0.2901629
MYOZ1	-0.00443928	-0.04294629	-0.01708293	-0.08773308	0.03218079	-0.140089	0.07030581	-0.07030581
TMEM45A	0.05274841	-0.02890323	-0.01122319	0.07793135	-0.01930846	0.01095135	0.2164518	-0.2164518
ZNF649	-0.1119132	-0.00794741	0.1408148	0.09671305	-0.02110685	0.05311023	0.06412146	-0.06412146
IFNAR2	0.0481874	0.01159853	0.157873	0.05373968	0.1127487	0.102715	0.09388584	-0.09388584
DNAAF5	0.0915906	0.06023577	0.06241765	0.03476511	0.06173897	0.1107155	-0.181694	0.181694
MYCL	0.02548016	0.01341608	-0.0719533	-0.1230776	-0.01844427	-0.08167519	-0.02938294	0.02938294
DIRAS1	-0.06032144	-0.0230869	-0.05937143	-0.03365165	0.03773068	-0.05023339	0.2261487	-0.2261487
EPRS	-0.05030861	0.107214	0.1569984	0.05554621	0.0172688	0.05974154	-0.2660817	0.2660817
AK3	0.03392121	-0.05124618	0.09856582	-0.00470973	0.02325892	0.0112899	-0.1015076	0.1015076
KCNJ15	0.09129637	-0.03350207	-0.01091351	-0.02653314	-0.04697561	-0.03841087	-0.0782357	0.0782357
SPRY4	0.05591261	-0.05115696	0.03432374	-0.01077127	-0.0031422	0.06481324	-0.03309912	0.03309912
SCTR	0.05118049	-0.02788398	0.01854292	-0.0153442	-0.02374211	-0.1165187	0.1149392	-0.1149392
ZNF800	0.02402335	-0.01439806	0.1233825	0.04004569	-0.00189208	0.07503311	-0.1519431	0.1519431
NHP2	-0.1136522	0.05383587	-0.03085626	-0.04156423	0.02699799	-0.01300158	-0.07858053	0.07858053
PDLIM3	-0.0457064	-0.1823623	0.1097999	-0.00416943	-0.00454137	-0.03543443	0.4604708	-0.4604708
FAAP24	0.01244225	0.00707817	-0.03500389	-0.04842184	-0.00674299	-0.04618525	-0.03547755	0.03547755
UBE2V1	0.06879215	0.0753195	0.06617789	0.09177088	-0.0056497	0.1102265	-0.09026598	0.09026598
E2F5	0.00464288	0.1171648	-0.01293597	0.02623566	0.00282431	0.02348802	-0.233306	0.233306
LBHD1	0.01408786	0.08901264	0.02087659	0.06825806	0.1198067	0.1125571	-0.1128338	0.1128338
RIMKLB	-0.04089203	-0.09435843	0.0462064	0.0684092	0.04532573	0.1503303	0.08640825	-0.08640825
DSTN	-0.01240443	-0.1340992	0.1045015	0.0161272	-0.00016997	-0.04328722	0.3123995	-0.3123995
EXOSC2	-0.06016563	0.09764051	0.02992756	-0.04568963	0.00980186	0.05397112	-0.1515209	0.1515209
PPP1R16A	-0.04241229	0.1821515	-0.1121252	-0.0494059	-0.01439467	-0.02088862	-0.3055419	0.3055419
ADD3	0.09167974	-0.04504228	0.04596385	0.06599216	0.02111527	0.05780509	-0.2202319	0.2202319
IKBKE	0.08382452	0.08244078	0.00773932	-0.01989021	0.02224174	0.05848031	-0.2337249	0.2337249
PIK3R5	0.01197173	0.01645041	0.1494431	0.07339391	0.03747861	0.06567105	0.2403693	-0.2403693
VPS50	-0.01190246	0.04161931	0.04003102	0.04436248	-0.03577266	0.08447423	-0.09158124	0.09158124
MRPS17	-0.00580969	0.09094055	0.09735437	0.00134234	-0.00675201	0.01573811	-0.1533846	0.1533846
SGO2	-0.05934106	0.03138614	0.0930366	0.0284528	-0.04057114	0.1133598	-0.2275267	0.2275267
LARP1	0.01791924	0.00801944	0.1378267	0.09302061	0.03939865	0.2077184	-0.1109889	0.1109889
ANKH	0.01692703	0.03883761	0.03766645	-0.00864971	-0.02185715	0.02698499	0.2007862	-0.2007862
KLF15	-0.08116634	-0.142589	0.02104573	0.0698575	-0.05093191	0.04977057	0.1310727	-0.1310727
CLN3	0.05290117	0.1578715	-0.05522723	-0.071473	0.09080115	-0.07549828	-0.08534491	0.08534491
ANKRA2	0.07810121	0.08559994	0.06180318	0.03716748	-0.0131683	-0.02280871	-0.09205547	0.09205547
ETS2	0.06264928	0.1162933	-0.05728763	-0.09401474	0.02186738	-0.00648387	-0.1070418	0.1070418
TMEM50A	-0.04418931	0.1162787	0.1029253	0.06789781	-0.04022021	0.06727228	0.06949315	-0.06949315
CDC25A	-0.04351835	0.04761804	0.01647871	-0.06262201	-0.04504718	0.01839611	-0.2682226	0.2682226
DGCR6L	0.00903813	-0.03941214	-0.00562192	-0.12149	-0.02895013	-0.05924635	0.09503654	-0.09503654
MORF4L1	0.07653284	-0.08257232	0.1513358	0.09981045	-0.0335689	0.08168439	0.1521013	-0.1521013
PTPN23	0.0247582	0.06134928	0.05166641	0.00947745	-0.03136221	0.1076321	-0.11143	0.11143
GADD45B	-0.01178025	-0.1760121	0.1299737	0.06682924	0.06287232	0.02744783	0.4519197	-0.4519197
SAT2	-0.06346119	0.049324	-0.08454933	-0.0522739	-0.02622969	-0.1050971	-0.04067999	0.04067999
STOML2	-0.1194781	0.05722642	0.00025749	-0.09274823	0.07059906	0.06154234	-0.1435299	0.1435299
DACT2	-0.107151	0.01825109	-0.00773287	-0.09075315	0.02455477	0.01096677	0.051624	-0.051624
HIST1H4E	0.01968762	0.0003881	-0.1132198	-0.06915386	-0.07722077	-0.04421385	-0.04401849	0.04401849
CLRN3	-0.08260492	0.07136441	-0.06742138	-0.1000474	-0.00415614	-0.05004289	-0.1736329	0.1736329

ALG6	0.03663672	0.1186659	0.00644859	-0.04892602	-0.03139111	0.0034291	-0.3102112	0.3102112
WSCD1	-0.05996243	-0.04163203	0.00160675	-0.00108648	0.00026892	0.03746735	0.2377353	-0.2377353
DFFB	0.00070152	0.09065848	0.1215391	0.02896266	0.05610011	0.07086415	-0.2244369	0.2244369
PON2	-0.03980423	-0.02390457	0.02845186	0.06683253	0.03328584	0.0625141	-0.0063787	0.0063787
PRMT5	-0.08399203	0.05934023	0.05436792	0.04671563	0.0112594	0.1263364	-0.2151065	0.2151065
ARHGAP12	-0.00681557	0.128122	0.01511028	0.01337766	-0.00277518	-0.00581787	-0.2436993	0.2436993
SLMAP	-0.03151718	-0.1315927	0.1367273	0.0139501	0.00944244	-0.0567683	0.2393418	-0.2393418
NEK5	0.03473463	-0.04753814	0.02771644	-0.09878409	-0.00320224	0.00034914	-0.02682208	0.02682208
HIST3H2A	-0.1168143	-0.00641501	-0.00453748	-0.02680437	-0.00136593	0.00718233	-0.02405379	0.02405379
GRAMD1A	0.06567164	-0.03117673	-0.00541924	-0.03575179	0.0558059	0.02573084	0.1931663	-0.1931663
HIST1H2BK	-0.01908217	-0.04627759	-0.03370385	-0.04757482	-0.02848987	-0.00657094	-0.04963036	0.04963036
ROBO2	0.09100628	-0.01487228	0.0826067	0.08438545	-0.01768872	0.06991959	0.1067008	-0.1067008
MMP17	-0.07685215	-0.04373417	0.01839656	0.04219653	0.09172607	0.08107503	0.260453	-0.260453
ZBTB4	-0.03907994	-0.1235198	0.1136556	0.03959331	-0.00508712	0.02282462	0.420174	-0.420174
GRWD1	0.01604127	0.0017205	0.02242958	0.03710163	0.02959788	0.07876966	-0.04611929	0.04611929
ZNF184	-0.01862389	0.1006735	0.09886037	-0.0179057	-0.01673335	0.01367105	-0.1256777	0.1256777
PHF14	0.1209437	-0.01602124	0.1811592	0.08103619	-0.00311128	0.09817943	-0.08825211	0.08825211
PRR16	0.07702057	0.07547832	0.08343548	0.0037267	-0.00981886	0.00363067	0.3643181	-0.3643181
UTP14C	0.1155733	0.02550209	0.1512964	0.06960416	0.013623	0.1201671	-0.1083997	0.1083997
FAM53C	-0.02311129	-0.02961815	0.0422443	0.03593411	-0.00251155	0.02070734	0.08552306	-0.08552306
FDFT1	-0.04633609	0.03781305	-0.00705814	0.02437616	0.02156767	0.04319949	-0.06396495	0.06396495
LIN7C	0.00493007	0.01706542	0.2060074	0.05762866	-0.05160108	0.1499861	-0.180647	0.180647
IQGAP3	-0.013151	0.10803	0.03536638	0.00488312	0.05663561	0.081746	-0.3238653	0.3238653
ZNF423	0.01457118	-0.165654	0.1291857	-0.00772052	-0.0091286	0.02465134	0.3745437	-0.3745437
PPM1J	-0.1086081	0.05938173	0.02262519	-0.08247481	0.0431515	-0.01980535	0.02441982	-0.02441982
SMIM14	0.0699865	-0.06450121	0.06685899	0.09403133	-0.02627029	0.03145571	0.06740385	-0.06740385
TIMM8B	-0.09438202	0.04649876	-0.00922157	0.00233631	-0.1231488	0.02910028	-0.1682653	0.1682653
THAP11	-0.01237068	0.02472956	0.03111688	-0.05948952	0.07432915	0.01129088	0.03938379	-0.03938379
NAP1L4	0.00761438	0.01877235	0.1010441	-0.01032905	-0.00329933	0.07668665	-0.07549692	0.07549692
HDLBP	0.0573632	0.04428083	0.0441418	0.09469874	0.02888764	0.05219227	-0.08618004	0.08618004
TUT1	0.01294731	0.0749838	-0.00360303	-0.02933804	0.09016937	0.02456735	-0.0515426	0.0515426
CNTN1	-0.09725141	-0.1079772	0.07646256	0.05471785	0.06130669	0.1112076	0.2188974	-0.2188974
SLAMF6	-0.05958908	-0.03880924	0.1445603	0.0830517	0.03398399	0.07667662	0.1633992	-0.1633992
NCL	0.00429534	0.1233666	0.09510173	0.02957066	0.01171226	0.1141661	-0.2446094	0.2446094
LOX	-0.0210427	-0.02308757	0.1893011	0.1197867	-0.03363843	0.02415944	0.4904125	-0.4904125
RPUSD4	-0.04216749	0.07492228	0.06206245	0.01424417	-0.02377767	0.07190707	-0.2045632	0.2045632
DHDH	0.07252264	-0.01540614	0.02827837	-0.02135989	-0.02260499	0.01988624	-0.07697651	0.07697651
RAB11FIP3	0.06344736	-0.05691646	0.09594989	-0.00627026	0.04951449	0.00864172	0.1208448	-0.1208448
FEZ2	-0.00996664	-0.09702073	0.1657552	0.1176991	0.1237673	0.0272301	0.2232057	-0.2232057
MLXIPL	0.04583891	0.1246253	-0.1151263	-0.1446313	0.03445387	-0.06615583	-0.1937618	0.1937618
PLB1	0.1389291	0.00058364	-0.06028743	-0.00455863	0.02167082	-0.05398826	0.03890206	-0.03890206
ZNF155	-0.04415299	-0.0968698	0.08284732	-0.04420707	0.00793109	0.0256272	-0.01505822	0.01505822
KIFC2	-0.02412219	0.1409321	-0.0483442	-0.05090674	0.08711955	-0.0111759	-0.1927817	0.1927817
NEBL	0.1063842	0.05629832	-0.02873302	-0.1315168	-0.03300924	-0.03453373	-0.09240074	0.09240074
HIST1H1E	0.00607142	-0.03421183	-0.04206939	-0.1075968	-0.07299168	-0.02616922	0.04815392	-0.04815392
SEMA6B	0.04512025	-0.0605521	0.05764065	0.02534667	0.04075831	0.08178244	0.4386613	-0.4386613
C12orf29	-0.06141062	0.01573714	0.1331812	0.03723243	-0.02380483	0.0952085	-0.1183404	0.1183404
PCDHAC2	0.02997735	-0.0577635	0.04915202	0.03645373	0.09442798	0.0692643	0.129398	-0.129398
ITGA5	-0.01746677	-0.0807751	0.03091636	-0.04871847	-0.02220085	-0.06465449	0.3603551	-0.3603551
ALOX12B	-0.07607284	0.00292703	-0.00487062	0.02279615	-0.01259805	0.0554305	-0.04689581	0.04689581
ADAMTSL1	0.02654831	-0.1130443	0.09458848	0.06251452	0.04999698	-0.01219401	0.3836836	-0.3836836
ATG14	0.01411297	0.03915684	0.1562094	0.08683974	0.00910095	0.09972777	0.06244333	-0.06244333
TRIB2	-0.05041372	0.03018976	0.109266	-0.01681657	-0.01333795	0.049208	-0.01876995	0.01876995
DCN	0.05512218	-0.1867242	0.129839	0.0770678	-0.02088727	-0.06695687	0.5536743	-0.5536743
STAU1	0.1056824	0.02103522	0.1045356	0.08155677	0.03429025	0.08144201	-0.1408631	0.1408631
MAPK6	0.08262717	0.1257381	-0.00452282	0.08727883	-0.06156208	0.04018475	-0.3022396	0.3022396
NUMA1	0.06277547	0.01607257	0.05910966	0.04469093	0.06122084	0.08489654	0.08375424	-0.08375424
LMAN2L	-0.0011186	0.01933028	-0.05058905	0.02249556	0.00365814	-0.00801895	0.02406842	-0.02406842
CPT1A	-0.0289675	0.02798126	0.1105396	0.04077528	-0.00691466	0.1002643	-0.06443348	0.06443348
PMVK	-0.06502692	-0.05057343	-0.1532796	-0.00742786	-0.01108701	-0.08747109	-0.06006407	0.06006407
MRPL21	-0.0373991	0.05543165	-0.00065356	-0.0058179	-0.04732742	0.05892701	-0.01581324	0.01581324

TMEM67	0.03881856	-0.00369713	0.02971118	0.02752804	-0.03774972	0.08230771	-0.03419208	0.03419208
SCMH1	-0.03379156	-0.08670291	0.119978	0.07980769	0.00016131	0.00351007	0.2710407	-0.2710407
HEATR6	-0.0199539	0.03223435	0.06062371	0.06875033	0.04859066	0.01833735	0.03692693	-0.03692693
GGNBP2	0.01991389	0.1036568	0.1067965	0.06092462	0.07634808	0.08581587	-0.1997963	0.1997963
LMF1	0.1154957	-0.04018774	0.04713253	0.01986272	0.03851917	-0.01614404	0.2287495	-0.2287495
SSRP1	-0.00143108	0.09136248	0.02581817	-0.02242588	-0.02264436	0.02030627	-0.1753938	0.1753938
UQCC2	-0.04029432	0.09942159	-0.04315681	-0.02956534	0.02173151	-0.00276037	-0.09003613	0.09003613
AKR1B1	-0.06472092	-0.07659178	0.03241532	0.1271189	0.0143564	0.06431594	0.1477401	-0.1477401
C5orf46	-0.04635956	-0.02052931	0.00264335	-0.07077911	0.02784932	-0.01767219	0.3114566	-0.3114566
MPHOSPH9	0.01231275	0.00526582	0.1105115	0.05548876	0.00223279	0.1185667	-0.1251319	0.1251319
DPY19L3	0.137268	-0.00747625	0.06512734	0.1615104	0.01307847	0.08382921	0.01868634	-0.01868634
FASLG	-0.01584805	0.1097194	0.146498	-0.00043205	-0.00563957	0.08713304	0.01564569	-0.01564569
UBN1	0.08469319	-0.01505503	0.02226892	0.0223035	0.01565202	0.05365731	-0.07718245	0.07718245
ADCK2	-0.00460291	0.05228606	-0.03117273	-0.08496579	0.03891696	-0.0351132	-0.07699606	0.07699606
TRAM1	0.04678816	0.06961936	0.06577437	0.07354166	-0.04493381	0.07163795	-0.03705095	0.03705095
MST1R	0.00036197	0.08307219	0.02344232	-0.00441767	-0.02332908	0.07430628	-0.2856348	0.2856348
PTGDS	0.03264584	-0.1445145	-0.01309752	0.02581722	-0.04508478	-0.03995294	0.2701847	-0.2701847
TRIM54	0.01203778	-0.03318484	-0.02251238	0.04884598	-0.0324402	-0.01979416	-0.08306811	0.08306811
ZNF574	-0.06226686	0.01833986	-0.01769018	-0.01304834	0.01913391	0.05625047	-0.00432512	0.00432512
KIF18B	-0.02169584	0.09994565	0.03211262	0.01787764	0.0271028	0.08974675	-0.2464675	0.2464675
C20orf194	0.02101003	-0.1307131	0.1618689	0.09243395	0.04153693	0.02781722	0.3545393	-0.3545393
NPTX1	-0.1248397	-0.1513494	0.05818439	0.08809234	-0.02713959	0.09686349	0.1403943	-0.1403943
SOX18	0.05517669	-0.05816463	0.07467742	-0.0032106	0.02768773	0.03822295	0.401455	-0.401455
LYPD2	0.07002605	0.04062548	-0.1137507	0.1174934	-0.02472549	0.04948136	-0.04598999	0.04598999
FCER1G	-0.02929425	-0.00157806	0.1059982	-0.00869896	0.00118296	0.00978987	0.2467162	-0.2467162
REV3L	0.03361301	-0.05121903	0.1725009	0.1028122	0.01868432	0.03343072	0.05568596	-0.05568596
MED12	0.09677417	0.04030338	0.07497457	0.0334077	0.02914954	0.086568	-0.0669853	0.0669853
ZFAND2B	0.0276035	0.09258344	-0.1579121	-0.04939657	-0.02644204	-0.04276025	-0.1492969	0.1492969
KCTD2	-0.00817661	-0.07016775	0.02127891	0.01455189	0.08273107	0.00626478	0.1426449	-0.1426449
SIPA1L2	0.03558245	-0.06566054	0.1124815	0.06496094	0.03514887	-0.01012698	0.04948735	-0.04948735
RAP2B	-0.1205883	-0.00259828	0.09477067	0.08138154	-0.03301849	0.03389906	0.00637305	-0.00637305
UPF3B	0.04183667	0.06604576	0.03011049	0.01489046	0.02756364	0.05287899	-0.1267606	0.1267606
NEUROG3	0.06568297	0.02022611	0.04990865	-0.02377976	-0.04569488	-0.05405091	-0.08026112	0.08026112
UHMK1	-0.00655179	0.07903833	0.1733571	0.06813706	0.03326292	0.09264425	-0.212854	0.212854
APLNR	0.00141444	-0.09752692	0.08402541	0.07526167	0.1003652	0.04514575	0.3603662	-0.3603662
MRPL42	-0.07927557	0.04768795	0.1420158	0.03838853	-0.01282401	0.07817707	-0.1523694	0.1523694
LIMCH1	0.00825735	-0.04774413	0.02559867	0.07975673	-0.02192171	0.09441414	0.11674	-0.11674
ACTL8	0.05223313	0.00337693	-0.00550064	0.01542045	-0.04483064	0.04051533	-0.05795314	0.05795314
CUL9	0.1005041	0.126364	-0.0300273	-0.0273314	-0.00050882	-0.0204473	-0.09281644	0.09281644
SLC5A2	0.0782653	0.05399997	0.07859912	0.1279066	0.09487428	0.1273324	-0.00214877	0.00214877
OB11	0.01139791	0.1099622	0.1636863	0.1343326	0.01813439	0.1540894	-0.1577052	0.1577052
WASHC2A	0.1000471	0.01015659	0.1468114	-0.03053709	0.05156461	0.04641702	-0.02602961	0.02602961
COX19	0.1166365	0.06519504	0.06064397	0.03939979	0.03587314	0.0465763	-0.1807404	0.1807404
ALDH6A1	-0.06475649	-0.08508077	0.07615538	0.01503625	-0.02572269	0.01140087	-0.1205616	0.1205616
RGS2	-0.01554491	-0.08016785	0.1361615	0.1169217	0.02894013	-0.01318498	0.2685906	-0.2685906
RPL35A	-0.07596072	-0.08996169	0.02884832	-0.00784465	-0.1081708	0.00223046	0.04690939	-0.04690939
MPV17	0.01536695	0.01475813	-0.01906137	-0.01371341	-0.00169179	-0.01798323	0.1845535	-0.1845535
GMPPA	0.03492931	0.09332906	-0.1007674	-0.0398725	-0.06939326	0.00221625	-0.2549655	0.2549655
ATL2	0.03305046	0.00621	0.06682729	0.0398102	0.07554485	-0.00740684	-0.00800982	0.00800982
ZNF660	0.01620776	-0.1028303	0.06660391	0.07840343	0.02388882	0.01314385	0.2585604	-0.2585604
VLDLR	0.03350148	-0.1411389	0.04321861	0.01638062	0.0237118	-0.09111548	0.2673936	-0.2673936
KIF14	-0.04157173	0.03432678	0.08148342	0.03217886	-0.02333594	0.08871585	-0.2610978	0.2610978
ASL	0.01817685	0.06059713	-0.05058639	0.1027347	-0.02940985	0.03023226	-0.261967	0.261967
RANGAP1	-0.03888691	0.04207238	0.02446712	-0.05433407	0.00484685	0.060737	-0.2019403	0.2019403
ITGB5	0.01728376	-0.01992306	0.1352152	0.07217826	0.00145251	0.06672574	0.3607957	-0.3607957
CD59	0.04639585	-0.04644029	0.07129047	0.05907785	0.05851047	0.02329827	0.2533894	-0.2533894
HIST1H4D	-0.03202765	-0.1278429	-0.05792801	0.00417957	-0.06557252	-0.01966598	-0.01402276	0.01402276
RPL4	-0.05454287	-0.01588211	0.05395743	0.0105795	-0.05300242	0.07078952	0.02111462	-0.02111462
E4F1	-0.00401871	0.1109729	0.05039599	0.00043022	0.03401809	0.06505917	-0.05801559	0.05801559
C1orf122	0.01647788	-0.03845324	-0.04830099	0.01128174	-0.02651517	-0.02484409	0.02179922	-0.02179922
MRPL43	-0.1167672	0.01600143	-0.06025422	-0.03106392	-0.05578623	0.01398942	0.05853568	-0.05853568

LIFR	-0.0639478	-0.1493641	0.08256852	0.1017836	-0.00349073	0.07304185	0.1001143	-0.1001143
CTDSPL2	0.0763579	-0.02669546	0.1467036	0.05200711	0.0030487	0.05220953	-0.05725256	0.05725256
ZC3H7B	0.04161282	0.02723927	0.07843024	-0.01804094	0.04393964	0.05654903	-0.0014393	0.0014393
ZC3H12A	0.04874872	0.08210822	-0.0208467	-0.00763948	-0.0442412	-0.02258716	-0.2094632	0.2094632
ADSS	-0.01984206	0.02844126	0.1294376	0.02325093	0.01064575	0.04426339	-0.1446339	0.1446339
TWNK	-0.0549485	0.05819702	0.06879277	0.04862278	0.01813197	0.1218384	-0.1594465	0.1594465
TNFRSF4	-0.03847124	-0.01518485	0.1052185	-0.04645168	0.00057351	0.08643128	0.2507188	-0.2507188
AQP5	0.1096492	-0.06941621	-0.02896168	-0.05145196	-0.05097338	-0.01774768	-0.0957195	0.0957195
SH3BP1	-0.05140604	0.1569202	-0.05759963	-0.09731332	-0.00962423	-0.04333973	-0.1790131	0.1790131
TALDO1	-0.00805103	0.0765076	0.05179756	0.03562754	-0.04050074	0.0697563	-0.2422832	0.2422832
FOSL2	0.03451402	0.00692343	0.02137942	0.03383675	-0.02333443	0.0479535	-0.03191526	0.03191526
BRCC3	0.04762955	0.07822553	0.09161004	0.03396946	0.01980402	0.0575205	-0.2824525	0.2824525
KIAA0040	-0.0695408	-0.05780521	0.1038086	0.06548195	0.0854611	0.06359636	0.02757352	-0.02757352
RALA	-0.04218329	0.09732601	0.05611485	0.04403743	0.01752804	0.08323179	-0.2282564	0.2282564
SUPT4H1	-0.08612742	0.03151177	-0.04309389	-0.07480482	0.04507096	-0.05023065	0.05297444	-0.05297444
CEBPB	0.02258371	0.06102627	0.04848031	-0.01116124	-0.02042865	0.06625705	0.2294268	-0.2294268
FP565260.3	0.07250913	0.09905765	0.04501122	0.0337333	-0.0376966	-0.00365767	-0.02349869	0.02349869
SEMA4A	-0.02760015	0.00849959	0.01618987	0.03073206	0.02737368	0.0310148	-0.01524696	0.01524696
ERG	0.00347436	-0.0969647	0.1627104	0.06089112	0.05069704	0.02763038	0.5048424	-0.5048424
GOLGA6L9	0.08522552	0.1051081	-0.07992833	0.00499979	-0.0229425	-0.04706	-0.169748	0.169748
NACC2	-0.02271803	-0.1526614	0.1171269	0.0447748	0.02893897	0.02136441	0.323568	-0.323568
MAPK10	-0.01558391	-0.1697767	0.1331882	0.1123917	0.00029211	-0.03968592	0.4703891	-0.4703891
CEMIP	0.08313053	0.04100861	-0.06896671	-0.1039602	0.00857304	-0.08868576	0.07030465	-0.07030465
RAD51B	0.02086731	0.09858123	0.06483472	0.02580041	0.1428827	0.03033092	-0.1331586	0.1331586
YWHAG	-0.05942257	0.1107275	0.00952145	-0.00657825	0.01080969	0.00130912	-0.03156148	0.03156148
NPHP4	0.06819033	0.03932925	-0.02030315	-0.05069939	-0.00096441	0.00677113	-0.03866306	0.03866306
ZWILCH	-0.01648333	0.08755661	0.0527016	0.02375425	-0.01886712	0.08064011	-0.3260628	0.3260628
NDUFA4	0.07767869	-0.01196397	0.033222	-0.00978655	-0.03821259	-0.01115394	-0.06027593	0.06027593
SELENOK	-0.1855743	0.08552041	0.03749462	0.02598845	-0.04338857	0.01840704	-0.06887607	0.06887607
ETS1	0.03250836	-0.0029339	0.1425973	0.106942	0.0390263	0.08428663	0.2510332	-0.2510332
IL17RD	0.04978037	-0.1473402	-0.01313556	-0.0134522	-0.01690532	-0.01295107	0.02534388	-0.02534388
PLEKHB2	0.01378559	0.1286192	0.0960862	0.07713434	0.04106016	0.06972653	-0.3113519	0.3113519
NBPF1	0.1041737	-0.01194403	0.0733288	-0.02612249	0.08287431	0.01172126	0.00971408	-0.00971408
PARVA	-0.02363721	-0.1586085	0.1663298	0.05222795	0.0154831	-0.0175884	0.4417882	-0.4417882
UCK1	-0.01591709	-0.02351035	-0.05963735	-0.09180553	-0.03395615	-0.03986058	0.0766935	-0.0766935
SCD5	-0.01352045	-0.1879881	0.1031397	-0.00569334	0.01434712	0.05910696	0.1195428	-0.1195428
NKX2-3	0.06478835	-0.1703	0.09686632	-0.04581139	0.03155371	0.07607113	0.1484037	-0.1484037
JAK3	-0.0114054	-0.03988321	0.1702809	0.08634754	0.07855305	0.1198972	0.170708	-0.170708
KLHL13	-0.05250707	-0.03144854	0.02651404	0.02454328	-0.07132204	-0.03889692	0.03030373	-0.03030373
HOMER2	0.07482668	-0.0095703	-0.1221936	-0.1034438	-0.0226504	-0.09500349	-0.03028224	0.03028224
FAM135A	-0.0200567	0.1441963	0.08593706	0.03273251	0.05182452	0.07829484	-0.2243458	0.2243458
HSPA12A	-0.00502906	-0.124694	0.09352946	0.03205677	0.00322049	0.04469503	0.2998903	-0.2998903
PIGG	0.08336492	0.1023395	-0.04761864	0.0489121	-0.00899273	0.01208606	-0.1302584	0.1302584
TCFL5	-0.04052418	0.03466122	0.03950777	-0.00893795	-0.00165379	0.02475913	-0.00542259	0.00542259
CD40	0.03418833	-0.04973134	0.08471497	0.02170602	0.00018052	0.07833439	0.06382144	-0.06382144
GNA14	0.1236028	-0.01174211	0.05524205	-0.04115985	0.0224231	-0.03753084	0.1528353	-0.1528353
ARID3B	-0.00323677	0.07055431	-0.02710544	-0.00594707	-0.02501045	3.29E-05	-0.1208897	0.1208897
ZSWIM7	0.02778578	0.1213339	0.07387695	0.0087827	0.01334227	-0.07718732	0.1323145	-0.1323145
ZNF507	0.07251591	0.03184194	0.07078212	0.08549208	0.02394455	0.09469813	-0.06996276	0.06996276
PNPLA6	0.010064	-0.02269389	0.04974703	-0.06090579	0.01543252	0.00412497	0.04700721	-0.04700721
C1QTNF3	0.04919937	-0.01410465	0.01464323	-0.06508399	-0.01803955	-0.0411637	0.1616254	-0.1616254
ATP10B	0.107067	0.1492382	0.01682181	-0.03184069	-0.02740026	0.03372491	-0.255026	0.255026
BCCIP	-0.06491704	0.1082992	-0.02007906	-0.0399412	-0.03317907	-0.01274636	-0.208576	0.208576
PPP3CB	-0.05045186	-0.07314852	0.1395228	0.1158661	-0.04344725	0.08809632	0.1684775	-0.1684775
FYCO1	-0.03669417	-0.1074136	0.1212318	0.03660666	0.01846408	0.01568916	0.2949353	-0.2949353
MUC3A	0.07566261	0.04033406	0.00818439	0.06469459	-0.03668961	0.06950537	-0.1681711	0.1681711
DNMBP	0.1265444	0.02838991	0.02522857	0.02599076	0.04164233	0.1050882	-0.2583207	0.2583207
UBA2	0.01158344	0.00512679	0.06378303	0.07147693	0.02404352	0.0895272	-0.1573074	0.1573074
MTG1	0.1352098	0.09079487	0.00411869	0.03099702	0.01024204	0.06787168	-0.148195	0.148195
MCAT	-0.0686932	0.08061024	-0.07139363	-0.1539459	-0.00037409	-0.05099238	-0.1879112	0.1879112
ARL13A	0.0652407	0.01830305	0.03379989	-0.05538297	0.01013786	-0.02040166	-0.00109633	0.00109633

PANK3	0.00924327	0.08956124	0.06805361	0.08026747	-0.00360213	0.07564152	-0.1874623	0.1874623
ZNF592	0.01310498	-0.07080769	0.04354851	0.0450722	-0.00018859	0.1015889	-0.00534128	0.00534128
CCR10	-0.07380934	-0.04280488	0.1343496	0.03820101	0.0230931	0.08195732	0.1715765	-0.1715765
PIGF	-0.00637744	0.1351661	0.02759183	0.01813733	-0.02822759	-0.00233529	-0.2945021	0.2945021
PODN	-0.01784051	-0.1533748	0.1215716	0.07223116	0.00788353	0.02595942	0.553217	-0.553217
SLC15A2	0.06308717	0.02089019	-0.1612824	-0.03769024	-0.02360776	-0.07981253	-0.06416512	0.06416512
CEP170	-0.04851726	-0.05961582	0.205031	0.01761401	0.0301236	0.02141306	0.1763359	-0.1763359
POLM	0.08806672	0.08675316	-0.04714204	0.03761904	0.09344242	0.03105462	-0.04423114	0.04423114
HLA-DOB	-0.04924866	-0.04891915	0.04603668	0.03538912	0.03016103	0.04593778	0.05379847	-0.05379847
AC010325.1	0.08386636	-0.08666976	0.01533313	-0.1071458	0.0007889	-0.07025446	0.06414727	-0.06414727
NUP107	0.02469111	0.0740206	0.09104448	0.05298658	-0.00614456	0.115973	-0.01716495	0.01716495
SCRN3	0.01462206	0.00572794	0.01877206	0.08218302	0.02574111	0.02967886	-0.01672254	0.01672254
CRLF1	-0.01542842	-0.04705653	0.06031322	-0.02732133	0.05695841	0.04144694	0.1266129	-0.1266129
TTBK1	0.03365588	-0.0465372	0.05194656	0.02328663	-0.0110744	0.03989436	-0.1194377	0.1194377
CORO1A	-0.07434502	-0.02169189	0.0561053	0.01049023	-0.01550344	0.04713829	0.05889311	-0.05889311
HEXB	0.02889244	0.05387456	0.1807534	0.07438082	-0.03003178	0.02931728	0.02302516	-0.02302516
S100A9	0.0161445	-0.02734197	-0.1507109	-0.08068541	-0.03176991	-0.0623849	-0.07215426	0.07215426
UBE2K	-0.06789187	0.06977963	0.1146445	0.04891139	-0.07097346	0.08340292	-0.2061601	0.2061601
TSR1	-0.06080305	0.1122251	0.1070836	0.04291128	0.01784711	0.0588683	-0.1619018	0.1619018
TPRN	-0.0442555	0.1514435	-0.08333982	-0.1193389	-0.04442039	-0.04995504	-0.2638456	0.2638456
USP10	-0.1008488	0.01829529	0.1428739	0.0946988	0.08155788	0.1405018	-0.2428503	0.2428503
GLA	-0.04523488	0.08073488	0.00161566	-0.1010432	-0.00848717	-0.01876664	-0.08389428	0.08389428
LIPG	0.04365278	0.1245551	0.09601126	0.06997367	0.06896523	0.01510087	-0.1006378	0.1006378
DCP1A	-0.02635438	0.00086793	0.0864236	0.02915368	0.03402028	0.04540545	-0.02902222	0.02902222
MGP	-0.0052989	-0.2449586	0.1244787	0.03049159	0.01473727	-0.00086155	0.5756654	-0.5756654
CLDN16	0.05472287	0.02925397	0.07815934	-0.02399911	0.08533217	0.01117058	0.0463822	-0.0463822
ACP1	-0.02732951	0.0925151	0.00284261	-0.00730228	0.01291822	0.00049489	-0.2440195	0.2440195
RUNDC3B	-0.02658929	-0.00471471	0.08790981	0.02500651	-0.02800197	0.06244811	0.1001798	-0.1001798
TRAPPC4	-0.1336762	0.12617	0.1176204	0.07947489	-0.02650602	0.09277237	-0.1612327	0.1612327
NCOA2	0.08180673	0.08900601	0.07101444	0.07923505	-0.04064421	0.06695641	-0.2090635	0.2090635
SSTR1	-0.03768675	0.09884979	-0.1735686	0.05843941	-0.09565472	0.00186224	-0.2141114	0.2141114
ARV1	0.00464887	-0.00427279	0.00135117	-0.04108157	0.0521327	-0.03563607	-0.06899216	0.06899216
ACYP1	-0.03345324	0.08415768	-0.03303296	-0.07480889	0.02062035	-0.00776698	-0.1640112	0.1640112
CAV1	0.00990149	-0.1154417	0.04393844	0.1004592	0.0821591	0.05239858	0.3136538	-0.3136538
UPRT	0.01027063	-0.00651666	0.02676431	-0.1047179	-0.06861892	-0.04950566	-0.1548198	0.1548198
AMIGO2	0.031383	-0.02081241	0.03246666	0.06742225	0.03531128	0.07887067	0.1843067	-0.1843067
DKK2	0.00736955	-0.03119365	0.1206892	0.05466313	0.01049606	0.00665125	0.2647836	-0.2647836
RNF138	0.00813252	0.06642844	0.2026382	0.05109057	-0.03267319	0.08359479	-0.2744683	0.2744683
PSMD8	-0.1167501	0.02386912	-0.07932647	-0.0228661	-0.01207201	0.00294681	-0.00762124	0.00762124
GNAZ	-0.06748343	-0.1789415	0.02560139	0.00738617	-0.0335079	0.01196244	0.1817573	-0.1817573
PCDH1	0.04529886	0.0561617	-0.01944892	0.00982717	0.07217583	0.05107443	-0.1094104	0.1094104
SOX30	-0.0193044	0.01520702	-0.02350043	0.04282583	-0.03607596	0.05620284	-0.02921548	0.02921548
PLTP	-0.0744041	-0.06382645	0.01336537	0.08978418	0.01839652	-0.03435304	0.1545574	-0.1545574
USP15	-0.03683378	0.06235909	0.217568	0.09054249	0.0234848	0.1451688	-0.1296733	0.1296733
CDX1	0.00828061	0.1623948	-0.02372996	-0.04061501	0.01915508	-0.02297423	-0.1788479	0.1788479
NECAP1	-0.06227187	0.08568808	0.0971001	0.00603037	-0.07798914	0.05754081	-0.2100691	0.2100691
INTS14	0.02140229	0.0879882	0.04116772	0.00128929	0.03676186	0.03654643	-0.2371612	0.2371612
PPP1R13L	0.0057748	0.0365394	-0.09234729	-0.02527143	0.00241415	0.00723	-0.04831658	0.04831658
CHIC2	-0.04348033	0.01994506	0.00665744	-0.03097794	-0.08230639	-0.00921366	0.1154378	-0.1154378
NCOA3	0.03471252	-0.02510601	0.1512113	0.05216711	0.00033053	0.1277185	-0.06322412	0.06322412
CREBL2	0.01074062	-0.03968524	0.1989056	0.08244182	0.03735914	0.04838828	0.2322305	-0.2322305
KANSL3	0.07854784	0.02597456	0.08328953	0.1005532	0.01682263	0.1211126	-0.0215402	0.0215402
ALOX5	0.06229319	-0.0077314	0.1628354	0.02491907	0.06101306	0.06909599	0.1079393	-0.1079393
MMS19	0.05030513	0.0113045	-0.02368002	0.02319908	0.02605319	0.06376826	-0.02827669	0.02827669
ZNF197	-0.00740492	0.02005657	0.150392	0.03954893	0.03553978	0.09520843	-0.03524687	0.03524687
COMMD8	-0.00555035	0.05645893	0.02403393	0.00186078	-0.09396336	-0.01625421	-0.1792097	0.1792097
HMOX1	0.07428061	-0.06292533	0.0379767	-0.00568434	-0.03188756	-0.03324232	0.08795701	-0.08795701
KLHL3	0.04910851	-0.04958085	0.05448393	0.06871107	0.07443128	0.055037	0.1321489	-0.1321489
ZNF644	-0.00195353	0.0458739	0.1468455	0.1023568	0.02025698	0.139253	-0.1194393	0.1194393
ZDHHC5	0.06787287	0.06090548	0.01915246	0.00853472	-0.00789309	0.05204348	-0.1453774	0.1453774
SCN7A	-0.00447367	-0.2045865	0.1087763	0.05379602	0.06647392	-0.06226085	0.3186893	-0.3186893

AMOTL1	0.02528005	-0.1378193	0.08341373	0.05499181	0.0340963	0.00066245	0.4002969	-0.4002969
SRI	-0.05467425	0.06710455	-0.00212712	0.03910335	-0.06591514	0.02272896	0.04187123	-0.04187123
TMEM184A	0.1692282	0.04476519	-0.06088109	-0.00359072	-0.02120534	0.04265581	-0.2343795	0.2343795
MPP1	-0.05760399	0.05509059	0.02148774	-0.05644074	-0.02269417	-0.06105378	0.1559434	-0.1559434
MUC2	0.08858247	0.1055257	-0.00856106	-0.02748407	-0.05270809	-0.00401773	0.0972981	-0.0972981
PCDHB16	0.1026118	0.1364634	0.08237138	0.01818022	0.09449825	0.0196781	0.2014362	-0.2014362
STK24	0.06819219	0.05691108	0.02423276	0.01837337	0.0220164	0.05162654	-0.2075537	0.2075537
CADM3	-0.07839405	-0.1889142	0.0504	0.02797338	-0.00540917	-0.00175551	0.353535	-0.353535
CCDC22	0.035375	0.01544729	0.03895765	-0.08828599	0.00189365	0.02676077	-0.04696369	0.04696369
ZBTB6	-0.01596425	0.07711401	0.08631194	0.01935771	0.00681572	0.08711405	-0.06109488	0.06109488
ZMAT2	0.09747635	-0.0298691	0.04739362	0.05430019	0.00588213	0.08409164	0.08524559	-0.08524559
RNASEK	-0.1348979	0.03405381	0.0121739	-0.07353577	-0.0404441	-0.00664758	0.1557119	-0.1557119
LARP7	-0.02141406	-0.02879266	0.1793997	0.08871817	-0.02758359	0.09210468	-0.01340781	0.01340781
PRSS51	0.03847392	0.02469275	-0.00067793	-0.01144668	0.0390644	0.04843747	-0.01351176	0.01351176
DOT1L	0.01283608	0.06230091	-0.02694732	-0.05342511	-0.01638705	0.02726859	-0.1929993	0.1929993
PIGT	0.1343957	0.01478232	-0.08003098	-0.04175302	-0.01001443	-0.0389615	-0.07670021	0.07670021
FZD3	-0.02526735	-0.02365147	0.00332071	-0.00712266	-0.0634763	-0.04607194	-0.01434659	0.01434659
SLC47A1	-0.00415116	0.00445564	0.03062454	-0.03696809	-0.00723474	-0.07101216	0.07424363	-0.07424363
FZD4	0.02346219	-0.0841838	0.1572414	0.0899944	0.03089984	0.06714471	0.3618074	-0.3618074
MRPL2	-0.02884459	0.187944	-0.1993771	-0.1321438	-0.03539935	-0.1178768	-0.1842124	0.1842124
ANKRD26	0.1064048	0.01910535	0.0935468	0.04933034	0.07579834	0.07272374	-0.09798381	0.09798381
MRPL50	-0.00309627	0.1148176	0.07818476	-0.1279844	-0.04044016	-0.00751928	-0.2518196	0.2518196
COPB1	0.01496183	0.07842537	0.1714601	0.1131112	-0.02595428	0.1546047	-0.1957771	0.1957771
TTL	0.02017051	-0.03294052	0.1048283	0.01415601	-0.01108859	0.0295732	0.03416835	-0.03416835
UACA	0.03529494	0.05138778	0.1743826	0.05756012	-0.00678976	0.1087282	0.1213606	-0.1213606
PNPLA3	0.06352914	0.01013129	-0.00656386	0.04507951	0.1208852	0.08590217	-0.02805171	0.02805171
GNB3	-0.05495529	0.03637829	0.05348605	0.03009994	-0.00046291	0.06886587	0.02317847	-0.02317847
PKD1	0.0162956	-0.09662205	0.1278711	0.04006596	0.01134905	0.02421792	0.3612607	-0.3612607
CUL2	0.00710465	0.103731	0.1640264	0.01876262	0.00797482	0.08186926	-0.1552631	0.1552631
CHID1	0.02482813	0.00867186	0.06724855	0.0019518	0.04005846	0.1013042	-0.02039667	0.02039667
GIMAP6	-0.01483359	-0.06870755	0.2087448	0.0999955	0.06803024	0.06242045	0.3529512	-0.3529512
PALLD	-0.04573149	-0.1280107	0.1345593	0.02699007	0.01662452	-0.04631872	0.3858237	-0.3858237
ERCC6L2	0.03952206	0.03229631	0.1354104	0.04531918	-0.00943322	0.06213874	0.01830221	-0.01830221
B2M	0.04435571	0.04578056	0.124145	0.04858321	-0.02462422	0.04989568	0.04725558	-0.04725558
CDC42EP2	-0.00673351	0.03584464	0.05371363	0.05065305	0.01290684	0.059646	0.03631024	-0.03631024
RAB17	-0.00789013	0.1104758	-0.07319365	-0.00546262	-0.02763909	0.00048437	-0.2651185	0.2651185
SHH	0.03793973	0.03635341	-0.05753904	-0.05414599	-0.02660459	-0.06064576	-0.0588273	0.0588273
SAR1B	0.05797362	0.04364553	0.09217334	0.08345341	-0.04508171	0.09570885	-0.1582335	0.1582335
NUDT4	0.07856062	-0.06074313	0.1475165	-0.03733944	0.01979336	0.08400627	0.03210726	-0.03210726
GAREM1	0.00324806	0.01143971	0.00149328	0.09652041	-0.01805622	0.02446625	-0.2076135	0.2076135
ZSCAN22	-0.05090923	-0.00652851	0.05570453	0.00108009	0.00496097	0.07960356	-0.01887562	0.01887562
EIF2S2	-0.0033409	0.0705344	0.08111139	0.00647587	-0.02552655	0.06858052	-0.1834398	0.1834398
ZNF530	-0.0364826	0.0153896	0.00517775	0.04404322	-0.0258932	0.03482161	-0.02085229	0.02085229
ZNF436	-0.01286361	-0.07982164	0.09538532	0.08125025	0.04958504	0.01627651	0.2558025	-0.2558025
BCL6	0.00920718	-0.1178535	0.08664656	0.05631038	0.01858989	0.03784704	0.248153	-0.248153
KIF9	-0.05769608	0.06219156	0.04271578	-0.0593218	-0.06735366	0.0352072	-0.1483055	0.1483055
PSMG4	-0.03905418	0.1166727	0.04916235	0.01535998	-0.03357426	0.0542413	-0.1819938	0.1819938
TAS2R14	-0.00069097	0.07609483	0.1024151	0.07015788	-0.04343669	0.0655614	-0.02674412	0.02674412
PSMA3	-0.1151285	0.172168	0.09353233	0.09613428	-0.0364058	0.1546562	-0.2741521	0.2741521
DDB2	0.03623125	0.04899371	0.05987702	-0.02636084	0.04408422	0.03620993	-0.04669504	0.04669504
ABCG8	-0.05140748	-0.07525333	0.03648792	0.05064733	0.0125939	0.03281316	-0.06060962	0.06060962
RBBP9	0.09616261	0.02308272	0.08915403	-0.04342433	-0.05008929	0.00040933	-0.03241228	0.03241228
SPRYD4	-0.01666263	0.02627936	-0.03086774	-0.02998331	-0.03263345	0.02564213	-0.2354511	0.2354511
RMND5B	0.05589585	-0.03806769	-0.08909997	-0.03366884	0.06521418	0.03426298	-0.0321164	0.0321164
PBDC1	-0.05734718	0.07225383	0.03981639	-0.03066181	-0.05664159	0.01257635	-0.09527869	0.09527869
C1S	0.02061462	-0.1236092	0.2180572	0.1045947	0.04556312	0.0067864	0.5856775	-0.5856775
PIP4P2	-0.04331196	-0.1137715	0.09468141	0.03488012	0.01516052	-0.03107199	0.4018572	-0.4018572
ANXA11	0.00159823	-0.00594325	-0.03530615	0.02322122	0.0055136	-0.00541442	0.02774158	-0.02774158
MFSD11	0.1068869	0.03763822	0.01878088	0.06999513	-0.01808177	0.00484509	-0.1401315	0.1401315
KCNK6	0.0099688	0.08770561	0.00819932	0.05177106	-0.00063879	0.04420501	-0.08106067	0.08106067
SGIP1	0.07721576	-0.05382643	0.193358	0.05846893	0.01337746	0.08961737	0.5315663	-0.5315663

HOXA5	-0.06826983	-0.1918574	0.1341258	0.00179371	0.0027182	0.01237291	0.2745168	-0.2745168
RPS3	-0.05837166	0.06435355	0.02953418	0.0023617	-0.08897051	0.07493757	-0.0686573	0.0686573
SHISAL2A	-0.05307883	-0.1426287	0.03235764	0.03050164	0.03338258	0.04085588	0.214186	-0.214186
TRAPPC12	0.06273608	-0.01308488	0.01040247	0.0306431	0.1044324	0.03682595	0.025397	-0.025397
SON	0.09098088	-0.0170459	0.1543603	0.1012558	0.03539733	0.1441366	-0.09072639	0.09072639
CLMN	0.1093837	0.1402066	0.02058129	0.05745228	-0.0177647	0.07420572	-0.2033404	0.2033404
SEL1L3	0.0632804	0.06362979	0.08030588	0.1121479	-0.00747583	0.1005734	-0.2001249	0.2001249
PUSL1	-0.04179156	0.05293771	-0.06218815	0.03085347	0.01781476	0.05482401	-0.1796082	0.1796082
AVIL	0.05495026	-0.03992332	0.00511974	-0.00448947	-0.02705629	-0.01132524	-0.0363196	0.0363196
SSR2	0.00081904	0.00116781	-0.04807973	0.00688364	0.01539926	-0.07214391	-0.00750769	0.00750769
RMC1	-0.05145951	0.124979	0.08797161	-0.00956995	-0.01382538	0.00206339	-0.1423359	0.1423359
CDKAL1	0.06833127	-0.05601538	0.05377565	0.07189878	0.02019824	0.01780118	-0.01571303	0.01571303
FLII	-0.00639975	0.03897511	0.07991744	0.07726306	0.0310194	0.07154295	0.04676512	-0.04676512
TBC1D15	0.02251084	0.07828723	0.1203151	0.03477433	0.02698017	0.07038086	-0.1173736	0.1173736
PPP2R1B	-0.01234949	-0.01520301	0.08304577	0.03826982	-0.0883919	0.06107115	-0.2242606	0.2242606
R3HDM2	0.04939926	-0.02437951	0.1695057	0.05699394	-0.00082333	0.1459067	0.05536224	-0.05536224
ZNF501	-0.06623823	-0.04991252	0.1407954	-0.0303559	0.009685	0.05361272	0.1999578	-0.1999578
ACVR1	0.05170663	0.04662155	0.02071438	-0.00499436	-0.01531906	-0.01456871	0.1060428	-0.1060428
EI24	-0.05586843	0.03721994	-0.00959812	-0.02454519	-0.02559797	-0.01288903	-0.2367622	0.2367622
RSRP1	0.04353602	0.06131089	0.01990546	0.1087195	0.0012989	0.101905	-0.08299262	0.08299262
LILRB3	0.04191968	0.06603222	0.1137699	0.02710158	-0.03470478	0.00391476	0.2353873	-0.2353873
SNX6	0.02772957	0.07962663	0.1539963	0.100662	-0.00624797	0.08659843	-0.08649986	0.08649986
GPD1L	-0.02916516	-0.08138085	-0.07467688	-0.01797258	0.02926084	0.03142323	-0.2626892	0.2626892
SLC46A1	-0.0581214	-0.0352166	0.04314189	0.0545347	-0.0279836	0.07147285	0.02962568	-0.02962568
PRKCA	0.05199076	-0.04947474	0.08073123	0.03876516	0.02115923	0.04925888	0.0346971	-0.0346971
C1orf21	0.06484885	-0.05938216	0.09376906	0.07733529	0.0751567	0.01844722	0.09445737	-0.09445737
RRP15	-0.00959215	-0.06717053	0.1436252	0.07755022	0.06406527	0.1144174	-0.07162178	0.07162178
SRRM5	0.09177312	0.03647421	-0.0264278	-0.02205712	0.03480494	-0.00267416	-0.1157713	0.1157713
PLEKHO1	-0.05365901	-0.1385184	0.1316586	-3.55E-06	0.01486528	-0.03897777	0.4808596	-0.4808596
ZNF219	0.0852963	-0.01804714	0.00750442	-0.0652321	0.04027876	0.03968387	0.0282788	-0.0282788
IL12RB1	-0.01739336	0.04651166	0.181606	0.04617941	0.00736568	0.09603405	0.05758516	-0.05758516
RTKN2	0.047813	0.06129062	0.02234332	0.00323265	-0.00431308	0.04327464	-0.08901584	0.08901584
CCPG1	0.05467214	0.00204061	0.2338464	0.1139144	-0.04313554	0.06931558	0.1542671	-0.1542671
RASGRP2	-0.05721634	-0.1486734	0.08516599	0.04247368	0.06088174	0.01855021	0.2675055	-0.2675055
NLRP2	-0.1052921	-0.00397975	-0.05409403	-0.03448806	0.06726405	-0.02463767	-0.08351441	0.08351441
OSTM1	0.02349843	-0.03470061	0.230733	0.1330249	0.02263453	0.08197496	0.2870349	-0.2870349
PLOD2	-0.02917117	0.00334349	0.1285489	0.1083205	0.03240842	0.02751735	0.3305753	-0.3305753
APOBEC3H	-0.04359874	-0.02154173	0.1824904	0.0172274	-0.01880009	0.08734596	0.1341206	-0.1341206
SPECC1L	0.00857408	-0.04692703	0.07540187	0.01237262	0.01294669	0.02917839	0.1524505	-0.1524505
EPN2	-0.03168728	0.01770597	-0.0286699	-0.05117037	0.00449398	-0.05890784	0.2096999	-0.2096999
ATP6V0A1	0.1245626	0.00839576	0.02015314	0.02366908	0.07439364	0.03119363	-0.01273421	0.01273421
GTPBP1	0.02818421	0.07149559	0.08320969	-0.00544163	0.08415866	0.07839475	-0.03111218	0.03111218
FAM13B	0.00229206	-0.1335807	0.1703755	0.1322914	0.02045962	0.1025024	0.2524016	-0.2524016
UTP18	-0.01636353	0.1235031	0.07794057	0.03402394	0.02976265	0.06579394	-0.2159929	0.2159929
RAET1L	0.07114343	0.00013628	-0.1473641	-0.1157686	-0.04003918	-0.1076395	-0.04175533	0.04175533
RNF217	-0.03731359	-0.130232	0.1029282	0.06300625	0.06173128	-0.01047241	0.4139307	-0.4139307
RTN4	-0.03395234	-0.02303035	0.1240254	0.03553921	0.00653019	0.02563952	0.3810546	-0.3810546
FURIN	0.06515537	0.03330088	-0.02163081	0.05880152	0.1503118	0.07202108	-0.03533718	0.03533718
GPR137C	0.1112943	-0.03738272	-0.07380765	-0.04789135	0.00121637	-0.1096561	0.00056607	-0.00056607
TRIM68	0.00848948	0.02957421	0.03940503	0.01710026	0.02983027	0.06925403	-0.0113306	0.0113306
CCZ1	0.1026212	0.05159395	0.1279149	-0.01267229	-0.05962191	0.01102317	-0.1139247	0.1139247
RAB36	-0.1120587	-0.08042277	0.00493553	-0.06731676	0.0423103	0.0471605	0.1357571	-0.1357571
LRRN4CL	0.02197154	-0.1875886	0.131022	0.05090698	-0.02087413	-0.02291602	0.5385478	-0.5385478
DDX60	-0.01387137	0.07172237	0.1704143	0.09609394	-0.02614769	0.1139727	-0.1158947	0.1158947
LCORL	0.01771926	0.07957855	0.0845029	0.03595647	-0.04892653	0.04053427	-0.240625	0.240625
BMI1	-0.06814287	0.01836172	0.07966783	0.1024999	-0.04109065	0.03634812	-0.00855747	0.00855747
GPR162	0.01226837	-0.1057777	0.09477009	0.02378323	0.00940688	0.02303258	0.4543301	-0.4543301
EEF1AKMT3	0.02691268	-0.03470379	0.1015509	0.05621607	-0.0558286	0.05257104	0.1935908	-0.1935908
RNLS	0.0103552	-0.2437286	-0.01830799	-0.04134126	0.0122813	-0.02841963	0.276812	-0.276812
ZNF366	0.06571728	-0.05053084	0.1521333	0.1047141	0.06026484	0.09972242	0.2595451	-0.2595451
TAS1R3	-0.05206972	-0.00162443	-0.00723607	-0.02503201	-0.02517233	0.02806889	-0.05165384	0.05165384

NCKAP5	0.09740487	-0.05675646	-0.05483078	-0.01528884	-0.00373455	0.04925782	-0.0252334	0.0252334
EIF3CL	0.01186716	0.01369374	0.00227276	0.02219974	0.2002347	0.00892	-0.05026946	0.05026946
VWA1	0.03335768	0.03009985	-0.1100902	-0.04519474	0.0140229	-0.04118062	0.116141	-0.116141
NNT	0.03182604	0.00407704	0.01450702	-0.01542046	-0.03776822	0.01450808	-0.1024935	0.1024935
RPL30	-0.01141317	0.0089816	0.07912699	0.04232719	-0.01575002	0.07007873	-0.0646354	0.0646354
VN1R1	0.06247529	-0.00602874	0.06307585	0.09435248	0.05079423	-0.00670995	0.0023222	-0.0023222
TOMM20L	-0.00967548	-0.07341905	0.1119411	-0.0019443	0.04844369	0.02270583	0.04203445	-0.04203445
SCN8A	0.03456761	-0.03813491	0.0061142	0.04009927	-0.05783073	0.05190406	-0.03029927	0.03029927
FAM110B	0.03166269	-0.1395755	0.02814662	0.07361564	0.05085123	-0.04935475	0.2965711	-0.2965711
ANO1	0.03372504	0.1130184	0.07871267	0.01477058	0.07731993	0.01639676	-0.01597038	0.01597038
EXOC5	-0.04042727	-0.01023237	0.1707687	0.1046515	-0.00265864	0.1149104	-0.04090346	0.04090346
SEC22C	-0.05245787	-0.03546157	0.08825411	0.02871824	-0.00811979	0.02401984	0.07911607	-0.07911607
HOXB9	0.08041796	0.05495926	-0.0211978	-0.00375156	0.05979288	0.05230287	-0.08399456	0.08399456
COMTD1	-0.024543	0.02034283	-0.00658659	0.08605323	-0.0656799	0.1213868	-0.1193225	0.1193225
AL136454.1	-0.06840134	-0.03039119	-0.06172311	-0.02009214	-0.07105939	-0.01186737	0.01771485	-0.01771485
RPL6	-0.059579	-0.1132925	0.07955227	-0.00108974	-0.07871447	0.07913556	0.00188786	-0.00188786
UBL7	-0.03086589	0.01802688	-0.110286	-0.1031513	-0.03822546	-0.05921654	-0.019522	0.019522
SRGAP1	0.1089183	0.04886052	0.06002331	0.06414678	0.01954963	0.08465154	0.05698906	-0.05698906
ZNRF3	0.05015347	0.01468887	-0.03619698	-0.1176057	-0.01375692	-0.03578426	-0.02181887	0.02181887
RASSF9	-0.04260108	-0.04466049	0.02619221	-0.0224434	0.06913133	0.0174873	0.1647162	-0.1647162
LYSMD2	-0.0486237	0.1270162	0.1102704	-0.02644724	-0.06411956	-0.01157453	-0.04210149	0.04210149
PHF19	-0.04867429	0.05731849	0.09503354	0.00335766	0.01404511	0.09234313	0.00305024	-0.00305024
NSMF	0.0219163	0.08879027	-0.0711148	-0.09575146	-0.02456346	-0.08057837	0.03603183	-0.03603183
SNX12	0.06222148	-0.02479812	-0.03812807	-0.1463667	0.01204357	-0.0425852	0.03599053	-0.03599053
UXS1	0.00841663	0.00764718	0.04447195	-0.03424009	0.02831527	-0.01394945	-0.01655997	0.01655997
AUTS2	0.09701864	-0.06530764	0.09374494	0.00906154	-0.00183527	0.05293107	0.1556145	-0.1556145
CTF1	-0.02880792	-0.08117943	0.02325611	0.04615304	0.0100354	-0.04340106	0.2653547	-0.2653547
HELB	-0.01925812	0.02642414	0.1523893	0.1221246	-0.00082302	0.1514628	0.04126246	-0.04126246
SERPINH1	-0.01658377	0.03979678	0.0794025	0.02282176	-0.04484339	0.0462304	0.3479191	-0.3479191
SETD2	0.00816222	0.00357444	0.1541796	0.05085974	0.00478847	0.1173533	-0.09975813	0.09975813
VCL	-0.05129789	-0.09265255	0.1423908	0.06305785	0.00089756	0.04245267	0.3179569	-0.3179569
TPSD1	0.03986664	-0.2131123	-0.01637759	0.02139716	-0.05877505	-0.00743346	0.08228766	-0.08228766
PDK3	0.00102408	-0.03554993	-0.0173673	-0.02026608	0.05735372	-0.0157653	0.05785355	-0.05785355
MXI1	-0.09346777	-0.02820731	0.06135726	-0.0196225	0.02522513	-0.04082889	0.1298828	-0.1298828
EPS15	-0.04491426	0.0227426	0.2328587	0.1230794	0.01784907	0.1199133	0.02339228	-0.02339228
S1PR2	-0.06653434	-0.0272102	0.05677181	-0.02113877	-0.01310835	0.04500379	0.09557087	-0.09557087
ACKR1	-0.0097906	-0.1339047	0.0553271	0.02869122	0.0517574	-0.04984221	0.4246137	-0.4246137
GJC1	-0.02419497	-0.1094181	0.09510362	0.00716032	-0.02626502	0.01803975	0.3949368	-0.3949368
RABGEF1	-0.01199248	-0.05878369	0.03251345	-0.0220834	-0.01146098	0.00116099	0.09778248	-0.09778248
ELMOD3	0.05091113	0.0491107	0.02190781	0.04992561	0.04215153	0.02690125	-0.04580904	0.04580904
MGST2	0.06890189	-0.01946659	-0.08085134	0.02520009	-0.00015193	0.02554223	-0.2293412	0.2293412
HIST1H2BM	-0.06555737	-0.00198817	-0.09709576	-0.09131811	-0.08760091	-0.03289122	-0.06440068	0.06440068
PTBP3	0.04831606	0.09815955	0.076495	-0.01524415	0.00335328	0.04166203	-0.2394836	0.2394836
TCTN1	-0.04732133	-0.168977	0.03931403	0.03354049	0.02296672	0.0233297	0.2682401	-0.2682401
RBM8A	-0.09573587	0.02485933	0.01858058	0.05058053	0.03846261	0.06905674	-0.09626486	0.09626486
DTWD1	-0.01596613	-0.03251933	0.1596114	0.122524	0.02877877	0.00106266	0.2607054	-0.2607054
BACE2	0.1328964	-0.00166396	-0.09242675	0.00843026	0.0622586	-0.01522933	-0.08755534	0.08755534
ZNF92	0.0294316	0.02434348	0.03193827	0.07325776	0.00091282	0.08951455	-0.160211	0.160211
PIM1	-0.02718686	0.05295472	-0.01294519	-0.00798086	-0.01031153	-0.02202355	0.1386526	-0.1386526
ARHGEF40	0.112292	0.05993548	0.03371456	-0.02258197	0.1544127	0.00191327	0.1860561	-0.1860561
ZNF431	0.1004991	0.02028117	0.06308075	0.06737229	0.05167525	0.09213491	-0.1035584	0.1035584
IFNLR1	-0.04051943	0.1177774	0.04320242	0.03423142	0.07943297	0.08707684	-0.1397665	0.1397665
ALKAL1	0.03378992	-0.0966527	0.1421291	0.05326795	-0.02165585	0.03954902	0.2359219	-0.2359219
DOP1A	0.07584262	0.06473888	0.1237725	0.08192314	0.02409566	0.08175547	-0.1643732	0.1643732
COX20	0.01046966	-0.02019072	0.01985485	-0.0463803	-0.02511343	-0.02795139	0.05751674	-0.05751674
CSNK1G3	0.00375366	0.1036146	0.09636653	0.1006924	-0.04040666	0.07409157	-0.06619423	0.06619423
MFAP4	0.00530073	-0.1805049	0.09442649	0.0284687	-0.01764732	-0.03975008	0.5197832	-0.5197832
ATP5MC2	-0.06478122	-0.08756034	-0.0773995	-0.05994486	-0.06377933	-0.02119391	0.03934354	-0.03934354
TMEM43	-0.05546235	-0.08335025	0.1600629	0.05439461	0.03986154	0.07822075	0.368027	-0.368027
BCL7A	0.04744362	-0.08166984	0.05528574	-0.01014809	-0.0798148	0.03619913	-0.037294	0.037294
HIST1H1D	-0.08554042	-0.08373721	-0.01995041	-0.0133494	-0.04882201	0.02293453	0.01444118	-0.01444118

LSP1	0.01159811	-0.1000491	0.09383859	0.01758889	-0.00512235	0.04240272	0.3282659	-0.3282659
TSPAN17	0.03980544	0.07356637	0.00174478	-0.02774657	0.06283719	0.02103618	-0.01466505	0.01466505
EPN1	0.03498914	0.04333349	-0.1366365	-0.03480738	0.02299788	-0.04476053	-0.118634	0.118634
CCNYL1	0.01029651	-0.04067241	0.08214018	0.00929415	-0.01281994	0.02179797	-0.1137666	0.1137666
CBR1	-0.03641282	-0.1185757	-0.1110091	-0.0505733	-0.04989569	-0.02616468	-0.152188	0.152188
PHKA1	-0.02572224	0.03453386	0.00196807	-0.01398476	0.03614004	0.01233401	-0.1017718	0.1017718
SMARCA4	0.03370092	-0.01666038	0.02175171	-0.07122317	0.01152474	0.0284951	-0.1459651	0.1459651
NCK1	0.00448951	-0.03419768	0.1938554	0.04039023	0.03540789	0.08628549	0.03956362	-0.03956362
PPP2R5E	-0.04788381	-0.03431787	0.1822759	0.07954147	0.00939656	0.1450581	-0.03489776	0.03489776
GATAD2B	-0.03677576	-0.04706559	0.1291753	0.07966411	0.05173268	0.09870966	0.05407831	-0.05407831
PPA1	-0.05858487	0.09274977	0.1821336	0.02194093	-0.02427412	0.1067	-0.2199199	0.2199199
ALMS1	0.05623073	0.05726061	0.1432212	0.03510172	-0.0299739	0.1021038	-0.07685381	0.07685381
MRPS34	-0.0885207	0.03875883	-0.0216922	-0.08712404	-0.01264412	-0.02525283	-0.1160183	0.1160183
WNT10B	0.00378609	-0.04600206	0.05470852	0.02501746	0.1011214	0.09453462	-0.02668497	0.02668497
FAIM	-0.04066748	0.03418863	0.09403512	-0.00694514	-0.1157808	-0.03614073	0.04293981	-0.04293981
EFHD2	0.03760674	0.1167537	-0.1147995	-0.05614844	-0.03673829	-0.06118272	-0.173132	0.173132
NUPR1	0.00572628	0.06293244	0.00853625	-0.04759101	0.03284317	-0.0376282	0.1508416	-0.1508416
ZNF441	0.05329325	-0.05831412	0.1379156	0.04137882	0.01363027	0.03285983	0.0983539	-0.0983539
MIIP	0.00112421	0.03239716	-0.01596338	-0.02124918	0.0139301	0.00021665	-0.02687717	0.02687717
ATP5MC1	-0.1114128	0.08999312	-0.09604832	-0.07974609	-0.0171289	-0.03408848	-0.1657076	0.1657076
INSC	0.04694037	-0.06066902	0.02988308	-0.01969221	-0.0389951	0.06598766	-0.1702762	0.1702762
KRTCAP3	-0.04527526	0.1328996	-0.04020609	-0.03392973	-0.08517011	-0.02296997	-0.1797126	0.1797126
SDCBP2	0.04361053	0.1086094	-0.07777193	0.02396794	-0.02219503	0.00022482	-0.2267517	0.2267517
ABTB1	-0.00661188	0.04342987	0.05242688	0.07323542	-0.03326294	0.03134895	0.1088918	-0.1088918
SEC22A	-0.00625912	0.01864064	0.07662447	0.05988067	-0.03979924	0.05866207	-0.04282026	0.04282026
TMEM183A	-0.03618238	0.05245868	0.04723804	-0.04290464	-0.01635528	-0.04601144	-0.1978964	0.1978964
DAGLA	0.02884859	0.08171048	-0.01750419	-0.07367564	0.03492683	0.05398635	-0.09978751	0.09978751
TRIM14	0.00972157	0.1364539	0.1379329	0.03948569	0.07439237	0.1305796	-0.1985569	0.1985569
MSTO1	-0.02740408	0.04572872	-0.00613667	0.09002266	0.05358747	0.05294896	-0.1703881	0.1703881
ZNF433	0.02856473	-0.08336025	0.00420837	-0.08353959	-0.01035959	-0.05701986	-0.03734588	0.03734588
LENG9	0.00324959	-0.03425108	-0.08071326	-0.08001848	-0.03541897	-0.02196777	-0.1102756	0.1102756
GUCY1B1	0.00871416	-0.1286879	0.2093062	0.1005134	0.03095482	0.01400773	0.5186758	-0.5186758
GOLGA8A	0.01297662	0.07496171	0.02808144	0.1152484	-0.01981035	0.07490989	-0.1468699	0.1468699
PKN3	-0.06232813	0.04158965	0.07454106	0.02493078	-0.00526203	0.07849428	-0.1118125	0.1118125
EDRF1	0.01396303	0.06391725	0.02028695	0.04118443	-0.02660184	0.04313478	-0.08215482	0.08215482
PDZK1IP1	0.02664261	0.08560827	-0.09530793	-0.1025624	-0.04953361	-0.0985597	-0.1466279	0.1466279
HLF	-0.02429392	-0.1511787	0.04300846	0.00969185	0.01581692	-0.06626252	0.2246908	-0.2246908
CHRNE	-0.01996529	-0.0130414	-0.00279182	-0.06304507	-0.0426439	0.01685569	0.1839472	-0.1839472
CPEB4	0.04149826	-0.05427088	0.02861316	0.06171866	-0.01997618	0.04342113	0.03244451	-0.03244451
C5orf34	-0.01954712	0.09958959	-0.04351134	-0.06249485	-0.00632156	0.00579457	-0.201538	0.201538
HELZ	0.03973764	0.01119038	0.1515038	0.1209272	0.05159938	0.1108438	0.00481005	-0.00481005
RPN1	-0.0143597	0.08571709	0.04584566	0.04978372	-0.01502839	0.05174432	-0.1674373	0.1674373
TIMM13	-0.08502143	0.07829138	-0.05801873	-0.07041149	-0.07962086	-0.0250293	-0.1780097	0.1780097
PLEKHM2	0.07229683	-0.03615602	0.05403784	0.04043596	0.04808119	0.03401031	0.1842086	-0.1842086
FBXL5	0.02238405	-0.09845803	0.1623281	0.08624126	-0.01856128	0.00384185	0.2192094	-0.2192094
YEATS2	0.03060285	0.04898609	0.1201175	0.09122623	0.06039374	0.1398741	0.00513447	-0.00513447
COQ10A	-0.00208673	-0.02360883	0.03703377	0.03566282	0.03044572	0.07864948	0.04804166	-0.04804166
SNED1	0.07633073	-0.05096241	0.09713594	0.07552841	-0.02809651	0.03831777	0.4624972	-0.4624972
SLC26A2	-0.01664128	-0.03837956	0.03258205	0.1097339	-0.03141739	0.02571756	0.05964706	-0.05964706
TPRA1	0.01778817	0.05722232	-0.05745652	-0.05850536	-0.01707613	0.01450058	-0.02957046	0.02957046
NTPCR	0.00316282	-0.00170402	0.09004024	0.01902147	0.06448799	-0.08002603	0.02036394	-0.02036394
MEF2D	-0.01460165	-0.06087681	0.07375502	0.03084972	-0.01737891	0.04873209	0.2755167	-0.2755167
ERCC2	-0.01403857	0.03561929	0.00259749	0.05165758	0.02965914	0.04870883	-0.08671176	0.08671176
MTAP	0.024042	-0.01714287	0.1416228	0.05791043	-0.07653962	0.05973593	-0.05888075	0.05888075
IGBP1	0.03806201	0.00925786	0.09365551	-0.02050979	0.01004688	0.09034648	-0.02611788	0.02611788
CCDC102B	0.08235566	-0.00991482	0.1478592	0.07041348	0.04378481	0.04968513	0.2506299	-0.2506299
ACSL3	0.06293589	0.01842623	0.08682165	0.02449421	0.0485063	0.09868283	-0.2084611	0.2084611
SSTR2	-0.00636668	-0.09868357	-0.00589928	0.0993069	0.00508911	0.08322754	0.2391127	-0.2391127
GJB6	-0.0197331	-0.02037088	-0.1454209	-0.04861728	-0.033816	-0.04229546	-0.08331522	0.08331522
TNFAIP1	0.02169246	0.03345768	0.03470415	0.06223587	0.09577406	0.1044446	0.01449903	-0.01449903
ZNF439	-0.02877897	-0.1067542	0.04908317	-0.00888727	0.00106299	-0.00785017	0.08990232	-0.08990232

REEP2	-0.01073359	-0.1766375	0.06037283	-0.0157315	0.00178406	-0.02861668	0.31935	-0.31935
TRPT1	0.01961237	0.1170192	-0.1081514	-0.07348319	-0.04653229	-0.01432056	-0.09952218	0.09952218
FAM219A	-0.01452386	0.09457426	-0.06807647	-0.06246179	0.00227487	-0.04116812	0.1295898	-0.1295898
VDAC1	-0.04120354	0.06664313	0.00233303	0.0461935	0.02879892	0.07758989	-0.2312873	0.2312873
WFDC3	0.107579	-0.02220952	0.04752259	-0.01435705	0.0367828	0.05219243	0.1305669	-0.1305669
ZFYVE9	-0.0185861	-0.07049166	0.08975681	0.03759546	0.01182408	0.05295478	0.00513831	-0.00513831
POMGNT2	-0.1508406	-0.00382043	0.07763179	0.00056522	-8.26E-05	0.03513192	0.04507914	-0.04507914
TMEM61	0.01888941	-0.06839171	-0.06934898	-0.01337735	-0.03463228	-0.06909221	0.2038076	-0.2038076
C10orf88	0.00132783	0.06341936	-0.02676013	-0.02674396	-0.05210785	0.03722854	-0.03911723	0.03911723
FIS1	0.00337035	-0.00126062	0.01876436	0.04947607	-0.04786886	0.03569387	-0.00163825	0.00163825
CCDC17	0.09322926	0.08526233	-0.03932366	0.02671888	-0.01508818	-0.04163908	-0.02019771	0.02019771
SOX8	0.04136788	-0.0631026	0.09411978	-0.03727479	0.00906425	0.04323687	0.1620972	-0.1620972
ANAPC16	-0.04631835	-0.06681299	0.07163142	0.106875	-0.05289244	0.1026203	0.0283207	-0.0283207
6-Mar	0.03216829	0.1228651	0.04161262	0.06080847	-0.00046972	0.07580106	-0.1683891	0.1683891
SPG21	0.03184368	0.07515543	0.05635693	-0.04841262	-0.00374027	-0.04388672	-0.1074883	0.1074883
GAS7	0.03750073	-0.1240372	0.1353127	0.06705252	-0.00163385	0.015753	0.4883834	-0.4883834
ZNF594	0.01167148	0.05653814	0.07197852	0.06061182	-0.01403007	0.03990305	0.04500286	-0.04500286
AP5M1	-0.05018523	0.1206874	0.04247808	0.07073752	-0.02986162	0.0919768	-0.2366966	0.2366966
SGSM2	0.0703456	0.02959149	-0.01212289	0.01493594	0.0615012	0.00370179	0.1079415	-0.1079415
ELOVL4	-0.07326633	-0.03010527	-0.07347236	0.04107224	-0.00696894	-0.01147823	0.08566171	-0.08566171
USP16	0.02941499	-0.00090571	0.1483082	0.07988069	0.07630817	0.07399244	-0.1199588	0.1199588
ALG12	0.0326393	-0.02242679	-0.03906764	0.00164404	0.01131713	0.00743219	-0.00382964	0.00382964
TGFB3	-0.0248091	-0.1389835	0.1289769	0.00948253	0.00275749	0.03057616	0.5951686	-0.5951686
MAU2	0.07782013	0.0595407	0.07312658	0.00500328	0.03240726	0.07237873	-0.0357788	0.0357788
AGAP3	0.0373268	0.1090074	0.01885359	-0.06274708	0.0302984	0.0220455	0.0161478	-0.0161478
ACTR1A	-0.07523173	-0.04468637	0.01473167	-0.04044559	-0.02141999	-0.00920788	0.2594465	-0.2594465
BRSK1	0.00100292	-0.02896046	-0.05281252	-0.06848638	0.03154734	-0.08342277	0.2976874	-0.2976874
CAND2	-0.07964204	-0.1265994	0.08089625	0.03867912	0.04754022	-0.00734749	0.3699259	-0.3699259
LRRC39	0.03440575	0.02795382	0.03370436	0.07841655	0.04496047	-4.17E-05	-0.1259844	0.1259844
EMC4	0.06966694	0.0092137	0.0665431	0.06279717	0.06206688	0.06028655	-0.01597508	0.01597508
DUSP12	-0.01338851	0.01597687	0.1159569	0.112891	0.1012346	0.1318349	-0.1408257	0.1408257
SMIM20	-0.07009811	0.07227698	0.06716529	0.03589395	-0.02166535	0.00685178	-0.1471436	0.1471436
USP42	0.01975937	0.03671998	0.171644	-0.00929343	-0.0056648	0.07550266	-0.09438662	0.09438662
MIA2	0.09134373	0.081228	0.07772883	0.06624716	-0.0392407	0.09628865	-0.2734896	0.2734896
WDR5	-0.03806089	0.04091941	0.02781341	-0.07459543	-0.03274276	0.03949168	-0.1678099	0.1678099
BAD	-0.05254413	-0.05093877	-0.1224992	-0.1034281	-0.04335841	-0.1204249	0.1097739	-0.1097739
EHBP1	0.04614161	-0.07109699	0.1349867	0.08558248	0.09430979	0.05345551	0.1793876	-0.1793876
USP40	0.1274775	0.130676	0.03153652	0.09197861	0.0450002	0.09036714	-0.187073	0.187073
NYAP1	0.0141456	-0.06369951	-0.02711406	-0.03305945	-0.00351075	0.0181051	0.078061	-0.078061
CCDC200	0.105353	-0.00234477	0.1189234	0.113452	0.07810717	0.05265889	0.111811	-0.111811
KIF12	0.07282862	0.0351144	-0.02600795	0.01151456	0.09031322	0.01106791	-0.09083114	0.09083114
DGAT2	0.00823059	0.05722292	-0.07224438	-0.02843598	-0.01971462	0.00291372	-0.2058845	0.2058845
UBXN4	-0.00277832	0.1607621	0.1504122	0.06434221	-0.0152937	0.07524894	-0.2541338	0.2541338
MARS	0.01153004	0.04865088	0.100486	0.03316665	-0.0133304	0.1176198	-0.08549359	0.08549359
BRI3BP	-0.06090551	0.00092233	0.02447326	-0.02454241	-0.02639709	0.05404988	-0.3082472	0.3082472
RELL2	0.03114727	0.1129223	-0.03190881	-0.07119702	0.02029662	0.05098842	0.01468325	-0.01468325
ICAM1	0.02568247	0.06942628	0.1228544	-0.02777499	0.05307552	0.0512819	0.0940847	-0.0940847
SIVA1	-0.03270764	0.04008461	0.0127923	0.04244894	0.0157882	0.08039362	-0.04524526	0.04524526
PTBP2	-0.01887653	-0.1325597	0.1039141	0.06932327	0.04585416	-0.03371128	0.2468842	-0.2468842
ALDH16A1	-0.01498628	0.05488565	-0.04869724	-0.02887298	-0.02557835	-0.03118481	-0.09017736	0.09017736
LMAN1	-0.03459279	0.1306972	0.1483302	0.1313408	-0.00086271	0.08224582	-0.1054247	0.1054247
NKRF	-0.03047187	0.06647788	0.1341992	0.01431402	-0.01888509	0.1280543	-0.2589066	0.2589066
HDHD2	-0.01345089	0.01403519	0.1623226	0.1041983	0.00169687	0.0657896	-0.1258905	0.1258905
PRMT3	-0.00544544	0.04422419	0.1179535	0.01377941	0.00486794	0.1238847	-0.2432915	0.2432915
TPMT	-0.07793218	0.1488391	0.1178167	0.01429163	0.00595273	0.00355562	-0.3031162	0.3031162
CNTNAP2	-0.00175353	0.1051971	0.02904548	-0.01813966	0.03856558	0.02691226	-0.1625773	0.1625773
RSAD1	-0.01472438	0.09647083	0.01681006	0.00462453	-0.00851471	0.01572567	-0.04196764	0.04196764
MYCT1	0.04807643	-0.09170559	0.1669071	0.04585544	0.05082585	-0.04191098	0.4359857	-0.4359857
WFS1	0.0612184	-0.07151589	-0.06155094	-0.05175453	-0.00061228	-0.04679856	0.02397276	-0.02397276
FNTB	-0.0586173	0.11548	0.04840375	0.0585524	-0.00868224	0.06772187	-0.03183143	0.03183143
CALM3	-0.04130666	0.0235092	-0.04237258	0.01769635	-0.03701394	0.02285653	-0.03712659	0.03712659

GTF2F2	0.05238857	0.08992835	0.06439675	0.0412617	0.05435327	0.09862919	-0.09060213	0.09060213
CROCC	0.02011826	-0.0580937	0.08179418	0.01296515	0.0323386	0.04673349	0.1641344	-0.1641344
HADHB	-0.05977122	0.02633043	-0.00249252	0.05923455	-0.00124948	-0.04465108	-0.1562769	0.1562769
TPBGL	-0.122811	-0.03295346	0.02709814	0.02744363	-0.04357643	0.04448633	0.1866914	-0.1866914
ARMC2	0.07498552	0.00036277	0.110457	0.05787748	0.0255985	0.08909631	-0.04090295	0.04090295
BAZ1A	0.06837786	0.07992576	0.1862626	0.07181005	0.01217743	0.1639364	-0.1393099	0.1393099
SLC6A19	0.00740913	0.0107924	0.01000695	0.01194054	0.05773935	0.07980985	-0.1653123	0.1653123
GSTA1	-0.04216596	-0.05237436	-0.08534555	0.00643894	-0.04664693	-0.0258906	-0.1665397	0.1665397
HERC6	-0.0024087	0.03235972	-0.00080394	-0.01762728	-0.0195415	0.02329232	-0.01163767	0.01163767
SHPK	-0.06496199	0.1369037	0.1097367	0.06226218	-0.0462897	0.03653554	-0.1786589	0.1786589
KRT19	0.04787509	0.02498928	-0.0187254	-0.02449792	0.1826856	0.05314248	-0.1760795	0.1760795
SEMGI	-0.04179155	0.1146503	0.1281353	0.08786079	-0.00592942	-0.1088938	-0.08277369	0.08277369
MIF	-0.1822576	0.03477592	0.00037334	-0.07459036	0.043279	0.0181692	0.01700618	-0.01700618
SLC6A14	0.00128579	0.02563488	-0.00575292	-0.05693963	-0.01496425	0.00612094	-0.08685597	0.08685597
NANP	0.04935958	0.1831579	0.06485197	-0.04109665	-0.08185185	-0.01299601	-0.2028218	0.2028218
TMCO4	0.08670633	0.00978213	-0.06369184	-0.0250674	0.00494472	-0.01789611	-0.08154896	0.08154896
MEIS1	-0.00093291	-0.1670366	0.09890698	0.06316025	-0.01706685	-0.0360283	0.419575	-0.419575
RBM17	-0.01715807	0.1094691	0.1301736	-0.01816702	0.04726151	0.07245051	-0.1887066	0.1887066
RRAS2	-0.07204883	0.03301032	0.150852	0.07119731	0.02467907	0.1602274	-0.00605709	0.00605709
CWC22	-0.08232934	0.05586987	0.1967484	0.1477297	0.021776	0.153852	-0.1134869	0.1134869
BHLHE22	0.04048494	-0.1358391	0.14975	0.04408829	0.04063856	0.03007254	0.5094525	-0.5094525
TRIM2	-0.00020441	0.1156665	0.0889004	0.0225071	-0.00041781	0.05159577	-0.2001551	0.2001551
ILDR1	0.04660703	0.08550567	-0.01567145	-0.02745778	-0.06474411	0.02867831	-0.09915006	0.09915006
DNAJA2	0.00166935	0.03610482	0.1613671	0.03573292	0.02190126	0.08263005	-0.1399465	0.1399465
LIN37	-0.1011541	0.02451705	-0.00141444	-0.05201051	-0.001136	0.02896207	0.1309992	-0.1309992
SHANK2	0.1117876	0.02333088	-0.0083832	-0.03947173	-0.00670307	-0.00583404	-0.04816526	0.04816526
MAPK7	-0.04571497	0.1030857	-0.04381146	-0.03179165	-0.05090091	-0.03308911	0.09765123	-0.09765123
OSBPL8	-0.00617067	-0.02583077	0.1622061	0.05141886	0.00081142	0.06148196	0.1273137	-0.1273137
PCDHB10	0.02349428	-0.01845513	0.07565499	0.03989143	0.02850617	-0.01388623	0.3528815	-0.3528815
RHBDD2	0.0507428	-0.00931632	-0.1011021	-0.03382563	-0.05485859	0.01144764	-0.00413191	0.00413191
RPS3A	0.03053284	-0.066853	0.07297537	0.0592572	-0.06433023	0.05832814	-0.08549043	0.08549043
AKAP7	0.06559447	-0.03643972	-0.03582605	0.09052977	-0.0040423	-0.08880616	-0.04259473	0.04259473
KIF1C	0.02340729	0.05647585	0.04740585	0.02543357	-0.05452211	0.00736923	0.0401614	-0.0401614
PPFIA1	-0.00257009	0.0448337	0.04901634	-0.04123499	0.01607934	0.01720648	-0.0703961	0.0703961
ANKEF1	0.06730054	0.116041	0.04141679	-0.02624412	-0.07130603	0.02457971	-0.2755585	0.2755585
NDRG4	-0.02045521	-0.04391745	-0.07368301	-0.03812323	0.03991396	0.00557097	0.138277	-0.138277
ARL4D	-0.05981225	-0.05382267	-0.06817134	-0.04214806	-0.02097174	-0.05947894	0.1881879	-0.1881879
MAGED1	0.1081122	-0.02942526	0.03217822	0.09284849	0.04428782	0.08459743	0.1226282	-0.1226282
RHBDL2	0.0369356	0.04111216	-0.05368374	0.04807028	0.00909846	-0.03986782	-0.1442627	0.1442627
URB2	0.00074595	0.00756986	0.08257671	0.01701595	0.01941944	0.07202421	-0.1954426	0.1954426
GPR4	0.09244415	0.11507	0.09282021	0.01663132	0.04699438	0.05036111	0.2658367	-0.2658367
XRCC3	0.04359907	0.08474378	0.02235849	0.03491644	0.05943328	0.09252065	-0.1496071	0.1496071
POLK	-0.04333967	-0.00158528	0.1938584	0.1127698	0.02036057	0.07457732	0.1527249	-0.1527249
SAP130	-0.00318724	0.0363179	0.04501938	0.02419329	0.05088015	0.05366691	-0.1415878	0.1415878
ZNF330	0.02619994	0.07775919	0.08161102	0.09929137	0.04782211	0.1052129	-0.09852018	0.09852018
CXorf40A	-0.00962905	0.05503441	-0.01496345	-0.02790044	-0.01652906	0.00242074	-0.02661798	0.02661798
TMEM238	-0.05290509	0.04227559	-0.1197836	-0.02864217	-0.04655228	-0.07030594	-0.08003338	0.08003338
UNC93B1	-0.01338168	0.1069898	0.08381021	0.08388295	-0.02206593	0.1001474	-0.02234687	0.02234687
BEX1	-0.01469939	0.00413304	-0.0435227	0.04172386	0.0147256	0.04162249	0.01332841	-0.01332841
MYD88	-0.08411836	0.1031858	0.03152913	-0.04373014	-0.00799144	0.05267896	-0.06656871	0.06656871
ALG1	0.06230919	-0.00677067	0.0125778	0.05073065	-0.06830769	-0.00337153	-0.09811232	0.09811232
SYNGR1	-0.05911776	-0.08366147	-0.03906564	-0.06202704	0.0032661	-0.0152049	0.1245514	-0.1245514
LEPROTL1	-0.1506935	0.09042261	0.07778697	0.00417686	-0.03756675	-0.04453979	-0.0739198	0.0739198
UNC45A	0.06234961	0.02277744	5.59E-05	0.03266419	0.03135697	0.06992968	0.04060904	-0.04060904
HS3ST1	0.01909177	0.00661557	-0.05138655	-0.04086606	0.0031438	-0.08507674	-0.09204524	0.09204524
TMCO3	0.0001529	0.08222987	0.00317721	0.058556	-0.03222884	0.01539843	-0.05562511	0.05562511
ACSS1	0.08356631	0.04594546	0.02906065	-0.01061331	-0.04531492	-0.02089283	-0.2011522	0.2011522
NIT2	-0.01895749	0.05499477	0.05207239	-0.0198814	-0.04415788	0.04570014	-0.1691641	0.1691641
GLB1L2	-0.08678051	0.04557288	-0.00200305	-0.05689647	-0.00965666	-0.02739155	-0.1676066	0.1676066
MBD3	0.04177178	-0.02746317	-0.02085826	-0.02568381	0.02196803	0.01101522	0.06338883	-0.06338883
OLFM1	-0.02045112	-0.04519756	-0.00403972	-0.00080838	-0.03682114	0.05781423	0.1474169	-0.1474169

ABHD17C	-0.00203727	0.09498191	0.02059297	-0.02096694	0.01337769	0.03689212	-0.2891387	0.2891387
CCNL2	0.08824108	0.1261224	0.01154847	0.1020226	0.02631414	0.08740805	-0.1565942	0.1565942
HESX1	-0.00482381	-0.02545866	0.04864064	-0.0281397	-0.00935871	-0.06242989	-0.07910944	0.07910944
IGSF21	-0.05038805	0.01102248	-0.00041458	-0.01247579	0.02571916	0.00481503	0.1531165	-0.1531165
APBA3	0.01629183	-0.00025281	-0.04706908	-0.06229229	0.00363126	-0.04769316	0.1856405	-0.1856405
SLAMF8	0.0086336	0.05292884	0.1606253	0.01874895	-0.00644119	0.04726288	0.208064	-0.208064
MED6	-0.1251946	0.0427193	0.09849907	0.03109926	0.06261671	0.1017599	-0.07350813	0.07350813
PACS2	0.05974937	-0.04529713	0.08214873	0.03125755	0.02629636	0.06176927	0.1020647	-0.1020647
SLC51B	-0.01553821	-0.06367558	0.01484012	0.06823228	0.001788	-0.00110182	0.00123304	-0.00123304
PLEKHH1	0.05267113	0.2094289	0.0169192	0.0466676	0.04211998	0.09093408	-0.3391997	0.3391997
ATP8B1	0.01991497	0.09429861	0.00715178	0.02224151	-0.04493037	0.01194906	-0.340305	0.340305
NCAM1	0.04736028	-0.07787289	0.02286292	-0.03676899	-0.03386788	-0.05749998	0.1918909	-0.1918909
EDNRA	-0.00495504	-0.1086362	0.1897601	0.06194562	-0.01277688	0.05070724	0.5435824	-0.5435824
MRPL32	-0.1060857	0.1624521	0.06667705	-0.00879031	-0.03066824	0.02414176	-0.230329	0.230329
ULK2	-0.07515235	-0.08711176	0.1059973	0.0291882	-0.00500059	-0.04828157	0.3083395	-0.3083395
LTBP4	0.02368633	-0.1127915	0.1514365	0.08337831	0.02648791	0.1014393	0.3228015	-0.3228015
PAPPA	-0.0400698	-0.03334225	0.01755278	0.09827954	-0.02244345	0.05293444	0.1632117	-0.1632117
ZNF90	-0.05322422	-0.01067768	0.07307997	-0.04095466	-0.0362563	0.03669725	-0.1520866	0.1520866
MCM2	-0.01169298	0.05383065	0.0189797	-0.0351668	-0.01327897	0.0461922	-0.2071639	0.2071639
KRT20	0.02639622	0.06361591	-0.01303645	-0.0261538	-0.01116969	0.01874633	-0.1396098	0.1396098
PITPNM3	0.0137653	-0.14409	-0.00143447	-0.01546304	-0.04022063	-0.01252631	0.1454743	-0.1454743
APOL6	-0.03203587	0.1137686	0.1883903	0.0141491	0.04406369	0.1036227	-0.07288578	0.07288578
UHL5	-0.09440762	0.05377131	0.1153224	-0.01888103	0.03176777	0.03719021	-0.3188541	0.3188541
HELQ	-0.01207746	-0.002688	0.09504667	0.09783256	0.05703617	0.04195483	0.07948575	-0.07948575
PGRMC1	0.06542256	0.03678234	0.09509808	0.02635674	-0.03052674	0.03637827	-0.1740952	0.1740952
LYL1	-0.05276224	-0.08943922	0.01785196	0.00853524	0.00672547	0.01168482	0.2286119	-0.2286119
MTSS2	0.02149029	-0.1343078	-0.01496458	-0.04601662	0.05583915	-0.06999415	0.2527241	-0.2527241
DALRD3	-0.04119612	-0.02747623	-0.04623386	0.00615826	-0.02261649	0.07203812	-0.05616125	0.05616125
CRTC1	0.06106106	-0.07284325	0.02037566	0.01575841	-0.00870805	0.04709505	0.1164011	-0.1164011
TAF9	-0.0819164	0.08126983	0.05262866	0.07662331	-0.00690897	0.1240158	-0.1388198	0.1388198
C22orf23	0.00755807	-0.1415248	0.03685864	0.00055486	-0.00516733	-0.01304745	0.229206	-0.229206
ARFIP2	0.00642054	0.06538701	-0.03374041	0.0223197	0.01546205	0.0775214	-0.2374479	0.2374479
WAPL	0.00940958	0.00081228	0.1684855	0.09560527	0.02410633	0.1614151	-0.1481569	0.1481569
CMTM1	0.08629458	0.03019784	0.1337699	0.0056032	0.09998853	0.110415	0.02203082	-0.02203082
ZNF888	0.03586933	0.0694867	0.07073536	0.06681755	0.04553964	0.05177936	-0.06402109	0.06402109
SLC2A9	0.08668367	0.04090045	-0.0016906	0.02545879	-0.01319517	-0.04752315	0.08174038	-0.08174038
DNAJA1	-0.1137544	0.0838728	0.05963252	-0.03618392	-0.04883743	0.08955033	-0.1637618	0.1637618
TMEM267	-0.01946343	0.1433569	0.00852325	-0.06781387	-0.03741623	-0.02148891	-0.1689871	0.1689871
TLE2	0.07241568	-0.01533073	0.00337443	-0.01131491	0.01168043	0.02966976	0.1415095	-0.1415095
SMYD3	0.1486525	-0.0942318	0.02532065	-0.01580467	-0.00796377	-0.03131999	0.05167162	-0.05167162
TSPAN4	0.00191294	-0.1179962	0.1015637	0.08088498	-0.00707627	0.05064521	0.4841868	-0.4841868
C1orf52	0.00580966	0.1159088	0.08553504	0.0856433	-0.01050985	0.0794182	-0.07117068	0.07117068
MPDU1	-0.03119105	0.1680441	-0.07526866	-0.03196697	-0.08313204	-0.0700348	-0.1413037	0.1413037
VCPIP1	-0.00412208	0.07219312	0.1531601	0.06128191	-0.03842915	0.09764258	-0.1321803	0.1321803
NSMCE3	-0.1018989	-0.1313533	0.08610033	-0.1096624	0.02765159	-0.01708524	0.3385112	-0.3385112
CLDN20	0.1060645	0.06729735	0.1477005	0.08681445	0.00888173	0.01815056	-0.07891108	0.07891108
MED30	-0.05934236	0.1164928	-0.00769449	-0.05092404	-0.05375424	-0.01441139	-0.223763	0.223763
COX6C	-0.01436369	0.1138511	-0.00488431	-0.00102266	0.04285377	0.04238327	-0.173558	0.173558
RPP21	-0.1163928	0.07003558	-0.06009993	-0.04715878	-0.04026774	-0.05331015	-0.08352379	0.08352379
ITPKC	0.07772844	-0.0080669	-0.00596915	0.02580485	-0.02084116	0.02129257	-0.06293363	0.06293363
LARP6	-0.03584846	-0.06256761	-0.03513718	-0.0017865	-0.02586581	-0.05348336	0.2940493	-0.2940493
IQSEC3	0.02914714	-0.09764539	0.03092727	-0.04499016	-0.01908757	-0.0059116	0.1274827	-0.1274827
KIF18A	-0.01161793	0.0145769	0.05365351	0.00899506	-0.0674112	0.100486	-0.2649943	0.2649943
ZNF718	-0.0642694	0.05906389	-0.04171469	-0.0390476	0.00925573	-0.01749811	-0.05420774	0.05420774
FDXACB1	-0.1539944	0.04798436	0.1005965	-0.02709163	-0.0691925	0.01446066	-0.1548228	0.1548228
TXN	-0.02065975	0.08515439	-0.07927138	-0.1404679	-0.02095695	-0.01449576	-0.1994857	0.1994857
AIM2	-0.09093567	0.04719465	0.06366678	-0.00040745	-0.03247856	0.04736806	-0.04448729	0.04448729
GPAT4	-0.01302501	0.01660265	0.01686305	0.03935787	0.01171581	0.04008576	-0.07275622	0.07275622
SMN1	-0.00296041	0.07601023	0.1139275	0.1135443	-0.02070582	0.1563857	-0.1224055	0.1224055
CDK14	-0.06300428	-0.02858251	0.08378621	0.03598414	-0.01522389	0.07037178	0.1998552	-0.1998552
RGS7BP	-0.00729736	-0.1257837	0.1922949	0.08147217	0.01037547	0.06194997	0.3039211	-0.3039211

PPP2R1A	-4.38E-05	0.02892665	-0.07152791	-0.00528822	0.04181566	-0.03705741	0.01239423	-0.01239423
VDAC2	-0.09081185	0.00490532	0.00992831	0.0089678	-0.07710842	0.07386289	-0.08758449	0.08758449
PCDHB5	0.05018809	-0.04539173	0.03017783	0.07316353	-0.03006203	0.06131024	0.1780072	-0.1780072
VKORC1	0.03753415	-0.03000778	-0.02689558	-0.05240866	0.0165353	-0.09761315	0.2796599	-0.2796599
NQO1	0.03867422	0.04800286	0.01137686	0.04672085	0.01753196	0.05497217	-0.2022838	0.2022838
DCTN3	-0.05922796	0.01525374	-0.05962608	-0.0514393	0.07125686	0.0544366	0.03293511	-0.03293511
HSD17B14	-0.00494006	-0.03428073	-0.08475126	-0.0585146	-0.04454058	-0.07958383	0.1791755	-0.1791755
PSMC1	-0.085051	0.06006217	0.0491866	-0.03489862	-0.02907072	0.02848096	-0.1006231	0.1006231
STXBP2	0.03573064	0.1010478	-0.05741643	-0.04430003	-0.04438809	-0.01052925	-0.2085269	0.2085269
ST3GAL2	-0.03798284	-0.00836823	0.1458909	0.01827711	0.1286527	0.08430196	0.1540035	-0.1540035
PSPN	-0.06950747	-0.1019044	0.06877532	-0.02075321	-0.01745313	0.06907969	0.0983356	-0.0983356
PLA2G7	0.01909631	0.05699428	0.1745757	0.06320452	0.04097681	0.100808	0.04419299	-0.04419299
TXNDC12	0.04521576	0.08684803	-0.02766374	-0.01098867	0.02693579	-0.05268348	-0.1443861	0.1443861
CCN6	0.06064817	0.1198295	0.02146265	0.0630799	-0.00794602	0.07818013	-0.08591636	0.08591636
GPBP1	0.06196113	0.03936045	0.1543904	0.08609466	-0.02424843	0.1032125	-0.06661085	0.06661085
EIF2S3	-0.2365902	-0.01954745	0.1583269	-0.03032047	-0.01487894	0.1339848	-0.087733	0.087733
WIPI1	0.1051647	0.0760104	-0.03388074	0.0119452	-0.0165235	-0.07196225	0.1365663	-0.1365663
TNFAIP8L1	-0.08749813	-0.05275357	0.1155232	-0.05289016	0.01842772	0.0122263	0.2529689	-0.2529689
TNKS2	0.06091316	-0.02631326	0.1051088	0.07520703	0.02830342	0.07761159	0.02101476	-0.02101476
HSD17B1	-0.00922646	0.05055155	0.00677534	-0.01792965	-0.07792175	-0.01158557	0.07096278	-0.07096278
GRHPR	-0.1514697	0.00437557	0.00183357	-0.05102609	-0.04957824	0.0543447	-0.05360342	0.05360342
NRTN	-0.01899038	-0.07473312	-0.04820726	-0.1111788	0.05659202	-0.1001433	0.08573999	-0.08573999
CEBPA	-0.07385746	-0.01445163	-0.03137848	0.02254022	-0.01950992	-0.00195041	-0.09622347	0.09622347
BCL2A1	-0.01079598	0.03523166	0.02101614	-0.00707861	-0.03958682	-0.04158789	0.1326338	-0.1326338
PYHIN1	-0.02745676	-0.02579683	0.1838728	0.07388296	0.01427673	0.06726428	0.1418401	-0.1418401
NRCAM	0.03549964	0.06291919	-0.02102415	-0.1019913	0.00207045	-0.05461809	-0.0369395	0.0369395
STN1	0.00966436	0.00733697	-0.03051322	-0.02031004	-0.00497454	-0.05433332	-0.03592362	0.03592362
ACTR3	-0.07137496	0.05501881	0.09688206	0.02496008	-0.02917023	0.06604065	-0.1319005	0.1319005
RPL10A	-0.0888015	0.00338406	0.0708199	0.02457624	-0.04636659	0.05594749	0.0008718	-0.0008718
C12orf66	0.04388202	0.03986683	0.03578744	0.02029945	-0.01904994	0.06448827	0.02566494	-0.02566494
NR4A1	0.03998898	-0.01398575	0.04356644	0.02328497	0.01164966	-0.02564557	0.07817728	-0.07817728
PRXL2A	-0.05266534	-0.0538486	-0.07638898	0.0053641	-0.01560556	-0.07723922	0.05211593	-0.05211593
STK33	-0.01479917	-0.1608789	0.01892494	0.06494697	0.00031823	-0.03068056	0.1199212	-0.1199212
IKZF4	-0.04768529	-0.1505186	0.1379573	0.06064257	0.01304072	0.09709826	0.1493375	-0.1493375
LARS2	0.01315148	0.07507604	0.02622487	0.00027724	0.0119668	0.05598014	-0.2370084	0.2370084
EVI2A	-0.04687672	-0.06681398	0.2334881	0.1185286	0.02602371	-0.00036226	0.2830697	-0.2830697
HSPA4L	-0.1345284	-0.00502309	0.05295785	-0.03611889	-0.06663253	-0.031707	-0.1340263	0.1340263
MPI	-0.06108141	-0.00328857	-0.02384774	-0.00422763	0.06930575	0.03952348	-0.1108472	0.1108472
WDR54	-0.0229973	-0.02264751	-0.07776998	0.0772792	0.01182711	0.07556511	0.07644558	-0.07644558
ZSCAN12	0.1025015	-0.1059412	0.1025345	0.0842332	0.03278641	0.03693182	0.1251607	-0.1251607
TFIP11	-0.03020393	0.06360685	0.03379041	-0.02277378	0.01326748	0.03532897	-0.04912805	0.04912805
ANKRD33B	-0.08305849	-0.01290123	0.02802091	0.0205412	0.01293703	0.04737345	0.04610034	-0.04610034
SLC38A10	0.07778409	-0.00824789	0.03242902	0.09705612	0.00973665	0.1166389	0.0718175	-0.0718175
CARD10	0.08800297	0.1773894	-0.0335462	-0.09658212	0.1025224	-0.01159313	-0.148285	0.148285
MYO1A	-0.00076709	0.04260979	0.06786736	0.03036236	0.00783239	0.09130404	-0.2500106	0.2500106
TBC1D20	0.07928959	0.05071418	0.1056988	-0.03302596	-0.025904	0.01263555	0.1315687	-0.1315687
EIF3A	0.01216444	0.03657812	0.1142815	0.05679766	0.00533374	0.1320412	-0.1581664	0.1581664
ARSD	-0.1584365	-0.0297142	0.00201105	-0.01707377	0.118873	0.02543729	-0.08070296	0.08070296
CRELD1	0.00855613	0.01344064	-0.02901437	-0.00396555	-0.00854021	-0.0466418	0.08615237	-0.08615237
GJB3	0.00221754	0.05950168	-0.04529207	-0.0206327	0.03757766	0.03327623	-0.03327339	0.03327339
HIP1R	0.1083552	-0.00085438	0.04886784	-0.0049007	0.07082927	0.0536675	-0.1015026	0.1015026
PATZ1	0.07441685	-0.03398328	0.00551224	-0.03124025	0.02419896	0.01302674	-0.00437728	0.00437728
P4HB	0.0980839	0.07360325	-0.1311329	0.00849516	-0.04613751	-0.03075936	-0.1579567	0.1579567
SHLD2	-0.04374033	0.03010791	0.122226	0.1129245	-0.02781627	0.0943431	-0.1210145	0.1210145
NOL11	0.00784133	0.06372632	0.02423597	0.02542484	0.0026031	0.05852217	-0.2738522	0.2738522
CCL15-CCL14	0.09024098	0.1208227	0.05193507	0.02734554	0.07413183	0.06678792	-0.05863851	0.05863851
PICK1	0.01885528	0.1414647	-0.1139185	-0.08606121	-0.04769544	-0.04442071	-0.1323547	0.1323547
FAM161B	-0.07492482	-0.04872052	-0.00816222	-0.01190968	-0.00698226	0.00285707	0.1069827	-0.1069827
MSH2	0.02858699	0.06683468	0.05447726	0.01571267	-0.00141094	0.04095183	-0.2346898	0.2346898
B3GALNT2	0.00115349	-0.0212968	0.06010787	0.01274171	-0.03047001	0.01546297	-0.00229736	0.00229736
ESPN	0.05587978	0.00979528	-0.07397005	0.0040336	-0.02844043	-0.03956752	-0.07428952	0.07428952

AGER	0.02190511	0.1145079	-0.01940046	0.02124745	0.02526082	-0.03676704	-0.09959267	0.09959267
FRY	0.03059384	-0.08426075	0.1006822	0.07553385	-0.01684123	0.03252057	0.2482009	-0.2482009
KCNK15	0.07358971	-0.01412597	-0.08624	0.03116163	-0.06793707	0.03721648	0.01603783	-0.01603783
ZNF48	-0.00536266	-0.00258068	-0.00425321	-0.02928872	0.09437104	0.02494581	0.09130855	-0.09130855
NUP93	-0.01665539	0.03364864	0.1190568	0.03349353	0.05646528	0.08196569	-0.1413309	0.1413309
NDRG1	-0.07694886	0.06522942	-0.144027	-0.01943359	-0.00396529	-0.0636905	-0.1558412	0.1558412
TBCC	-0.02947721	0.1764251	-0.06139249	-0.0675186	-0.02026767	-0.04330109	-0.05229818	0.05229818
TRIM17	-0.03763625	-0.01954398	-0.02879031	0.1050225	0.08573142	0.1076007	0.05196439	-0.05196439
VPS13A	0.06178221	0.08385458	0.07648121	0.0166376	0.00710584	0.0947078	-0.2214833	0.2214833
TCF15	-0.06233368	-0.03720735	0.03147992	-0.04898245	-0.01659511	0.03701926	0.2258448	-0.2258448
FAM120B	0.02270979	0.0266725	0.02745266	0.06082722	0.02552893	0.01142476	-0.04189272	0.04189272
YIPF3	0.05814331	0.1714473	-0.1476652	-0.08333481	-0.05025453	-0.09635599	-0.09660974	0.09660974
PRPSAP2	-0.1219623	0.1294453	0.02390397	0.0140311	-0.04321074	-0.02741811	-0.1553647	0.1553647
ANKRD17	0.05253563	0.0645884	0.06104943	-0.00107699	-0.00130435	0.07270257	-0.1805772	0.1805772
C8orf33	-0.03772029	0.1162192	-0.02106912	-0.03064919	0.04553279	-0.02418163	-0.163403	0.163403
RNF2	-0.09725387	0.00984834	0.1358423	0.0519253	0.003312	0.02678175	-0.04253689	0.04253689
CLCF1	0.01610725	0.05756705	0.121705	0.1233538	0.00374435	0.1009192	0.09873161	-0.09873161
OSTF1	-0.05038981	0.1297573	0.03418515	-0.01676631	-0.00826332	-0.01562547	-0.1557387	0.1557387
ZC3H11A	0.09059641	0.03073713	0.1670865	0.1147524	0.03097041	0.1569082	-0.1330014	0.1330014
RPL29	-0.1097862	0.01816668	0.02902314	-0.0337381	-0.09771229	0.0430204	-0.0572387	0.0572387
NDUFS7	-0.07110599	0.00619765	-0.03099479	-0.09900629	-0.04646658	-0.0436147	-0.05329869	0.05329869
ZNF565	0.02746214	-0.05233009	0.06283376	0.03791725	0.03518377	0.03345352	0.06335887	-0.06335887
ADAM33	-0.00021949	-0.1828512	0.1412789	0.07170408	0.01306389	0.00862178	0.4248322	-0.4248322
ZNF169	0.05111045	0.07950692	0.09329256	0.08688684	0.03324307	0.08380071	-0.1074901	0.1074901
STAMBP	0.02313885	0.08675859	0.00585747	0.03828192	0.02327597	0.04072591	-0.1623114	0.1623114
HS6ST2	-0.1005464	-0.1256427	0.1055461	0.00145755	0.01736315	0.1384547	-0.03502097	0.03502097
PLPP1	0.02704601	-0.1145961	0.1049981	0.03237461	0.02011857	-0.05907982	0.4201963	-0.4201963
PLEKHG5	0.08162504	0.1953907	-0.03799885	0.00193171	0.0491781	0.02861386	-0.1117441	0.1117441
PRKRA	-0.03751969	0.04057615	0.05589346	0.04919662	0.02125496	-0.00667618	0.00534525	-0.00534525
SPHK1	0.02218014	0.04846268	0.02577284	-0.02345732	-0.04940026	0.01494308	0.2805471	-0.2805471
OR2B6	-0.07333478	-0.03094661	-0.1328983	-0.00661505	0.01079854	-0.06091033	-0.06769476	0.06769476
DCLRE1B	-0.06908039	0.08476207	0.05230885	-0.06866093	0.0153389	-0.0031241	-0.1686259	0.1686259
BTBD1	0.00513384	0.06852094	0.07510215	0.00031826	-0.01762159	0.05905304	-0.09157544	0.09157544
KDM4C	0.06092942	0.05606249	0.0461828	-0.07267208	-0.04415945	-0.05046943	-0.1446353	0.1446353
DAXX	-0.02247279	0.1321049	0.05440994	-0.00591863	-0.00685722	0.03310225	-0.1129481	0.1129481
BTNL8	0.08431092	0.08249721	-0.05751299	-0.01658591	0.02943961	-0.00304962	-0.2748979	0.2748979
ANKRD39	-0.1085228	0.1198449	0.00285734	-0.03619319	-0.04567234	-0.02263223	-0.09356884	0.09356884
KLF11	0.00281364	-0.04584681	0.0516654	0.01130606	-0.00723593	-0.04929915	0.2026684	-0.2026684
FGD5	0.0105634	-0.06849578	0.1081166	0.03878468	0.06876248	0.06027299	0.2844429	-0.2844429
HIST1H4C	-0.15309	-0.01795387	-0.06427103	-0.1616185	-0.04760513	-0.05121745	-0.06983284	0.06983284
DEAF1	0.01295875	-0.02995258	0.05627141	-0.02564188	-0.02504047	0.02494638	0.02926493	-0.02926493
PROS1	0.01888418	-0.04587536	0.1446267	0.117989	0.04760672	0.1066249	0.1281007	-0.1281007
BORCS8	0.08287981	0.00814238	0.03506426	0.02840769	0.01855062	0.02906525	0.01135643	-0.01135643
MTA1	-0.03730012	0.05445191	0.04944202	0.08124422	0.06905761	0.1138269	-0.07393003	0.07393003
SSR3	-0.03949612	0.04670193	0.1298873	0.1293913	-0.04865497	0.1020815	-0.02812627	0.02812627
TMEM204	0.04456919	-0.09728716	0.1461399	0.00580781	0.02529234	0.05235215	0.5616192	-0.5616192
TESK1	-0.1242546	0.00413584	0.01256139	-0.05450649	0.05508762	0.08867749	0.06690336	-0.06690336
ATM	0.00717193	-0.06408097	0.1605671	0.1225433	0.03014484	0.1097889	0.11325	-0.11325
VMA21	0.01347309	-0.01104474	0.162874	0.07271865	0.00415559	0.1494877	-0.1137743	0.1137743
DCAF6	0.03206127	-0.0587917	0.07059385	0.07039596	0.08416348	0.00851641	-0.06595966	0.06595966
ZNF385C	0.09139899	0.04190001	0.04221121	-0.0515826	0.07731681	0.04616997	0.00545256	-0.00545256
TBCK	0.09363213	-0.130714	0.06772631	0.07513011	0.07808372	0.07834919	0.04698936	-0.04698936
XCL2	-0.03153278	-0.0065156	0.1124028	0.00731937	0.02266894	0.02564954	0.122542	-0.122542
CTDNEP1	-0.06315411	0.07091794	0.01084637	0.01376461	-0.04637599	0.03244435	0.06600923	-0.06600923
MRPL23	-0.03593739	0.0304472	-0.00715309	0.00095588	-0.0510872	0.06302931	-0.1138026	0.1138026
SEH1L	-0.04216359	0.05982442	0.08897714	0.04238735	-0.03238232	0.05824678	-0.2310565	0.2310565
BTRC	-0.04120018	-0.0432477	0.0998858	0.00049159	-0.01990587	0.08349451	0.01863394	-0.01863394
MEF2C	-0.04652169	-0.1006985	0.1647259	0.09971971	0.02650552	0.04896123	0.3210839	-0.3210839
JAGN1	-0.07975726	0.0677906	-0.08209592	-0.1048701	-0.01662119	-0.04525524	-0.1345168	0.1345168
MAPKAPK2	0.08397098	0.05415343	0.06535092	0.07981674	0.08073673	0.06041179	-0.02426859	0.02426859
RP9	0.06979899	0.01933958	0.02901444	-0.03764269	0.01272173	0.01901617	-0.06426333	0.06426333

ABCB7	0.00318399	0.07670543	0.07022351	0.03612653	-0.00715159	0.08617884	-0.2033608	0.2033608
SLC45A1	-0.03282694	-0.1158412	0.05632084	0.00408943	0.01776809	0.00695808	0.4748608	-0.4748608
SPAG9	0.01107593	0.05142893	0.1545296	0.1166812	0.1044802	0.1144754	0.04435066	-0.04435066
HSP90B1	-0.06956774	0.1019479	0.07894084	0.1214406	-0.00736837	0.07531851	-0.2027181	0.2027181
EFNB2	0.06997579	0.06915505	0.1460278	0.1145055	0.08753465	0.1644951	-0.04122904	0.04122904
CKB	-0.04210717	-0.1216922	0.00869723	0.00214241	-0.01089916	-0.0244785	0.1553134	-0.1553134
PBLD	0.07218349	-0.06465523	0.06484524	0.07430433	-0.01745412	0.07534607	-0.1101945	0.1101945
MTFR1	0.00983697	0.1439861	0.02659632	0.04030871	0.00540959	-0.00635841	-0.273785	0.273785
SFT2D1	0.00043536	0.2001289	0.05197347	0.01811173	-0.02710509	0.01497849	-0.3490258	0.3490258
HINT3	-0.06564786	0.07971487	0.1535556	0.02993753	-0.02120334	-0.00606417	-0.1465149	0.1465149
COLQ	-0.00051879	-0.1169402	0.1212784	0.06214776	0.131655	0.01541216	0.3402648	-0.3402648
UCHL3	0.00092726	0.1175636	-0.00105112	0.05176832	-0.02203103	0.0659972	-0.2212898	0.2212898
DMBT1	0.09147594	0.09810584	-0.1912245	-0.02650721	-0.01908925	-0.1093654	-0.1780146	0.1780146
TTL5	0.097615	0.01380893	0.02846388	-0.00055251	0.09543408	0.04754441	-0.08566546	0.08566546
PDIA6	0.00324013	0.099308	0.01698512	0.1098818	0.04280036	-0.00103781	-0.2024573	0.2024573
THBS3	0.03511476	-0.05493746	0.1209965	0.04471205	0.09061984	0.02909365	0.4650228	-0.4650228
FGFBP2	0.01738886	0.08625546	0.01280754	-0.04556027	-0.07344591	-0.00202611	0.1253303	-0.1253303
DEPTOR	0.03678567	0.04455845	-0.02826656	-0.07395569	0.00305831	-0.1160111	-0.09026983	0.09026983
PTGES3	-0.08763718	0.03860864	0.1625915	0.05484403	-0.02141769	0.1407507	-0.2441755	0.2441755
IQGAP2	-0.01562446	0.07186892	0.02117248	0.07328169	-0.04961348	0.05218594	-0.2433071	0.2433071
TSPAN10	0.01445973	-0.09868728	-0.05509991	-0.00727199	0.01132927	-0.01796903	0.08707824	-0.08707824
1-Mar	-0.00380777	-0.03209498	0.2307595	0.1647294	0.02680726	0.05395447	0.2266492	-0.2266492
ANKS1A	0.04602166	-0.03120123	0.161747	0.05394171	0.00825826	0.1019723	0.09090757	-0.09090757
SLAIN2	-0.0238074	-0.03561643	0.12194	0.00825964	-0.01659836	0.03482696	0.1045407	-0.1045407
CPNE8	0.03760629	-0.0075127	0.07398282	0.103217	0.1092347	0.0746911	0.1997149	-0.1997149
SIGLEC6	0.00759659	-0.1590691	0.1052874	0.04927847	0.01974361	0.06728993	0.3319003	-0.3319003
UBE2I	-0.08599764	-0.02498918	0.04505915	-0.04512143	0.04253776	-0.0184134	0.1098473	-0.1098473
NID2	0.06051951	0.02260077	0.1424322	0.04196791	-0.0043636	0.04312956	0.4009626	-0.4009626
BTBD8	0.03346277	0.00170826	0.101979	0.04339589	0.02573494	0.06385011	-0.07588758	0.07588758
FKBPL	-0.1454374	0.03785899	-0.1054351	-0.03429038	-0.03167904	-0.04275381	-0.1694459	0.1694459
ZNF513	0.1197252	0.1458483	-0.1052591	0.01400227	-0.05285492	-0.01364132	-0.1171448	0.1171448
ADHFE1	-0.04872647	-0.2053416	0.04703248	0.01962348	0.03601471	-0.03778835	0.2643102	-0.2643102
HLA-DPB1	-0.00449793	-0.02874388	0.1099807	0.00673168	0.00858709	0.03614055	0.143899	-0.143899
PCNX4	-0.02835696	0.01667736	0.1420936	0.1211313	-0.0219657	0.1380731	0.01267994	-0.01267994
LRP12	0.00438814	-0.00955823	0.1403876	0.03357031	-0.01267883	0.04977615	0.3433912	-0.3433912
PEF1	-0.01234171	-0.02456675	-0.04116139	0.0126253	-0.02491282	-0.03868835	0.1238035	-0.1238035
REPIN1	0.02880844	0.1556057	-0.0908947	-0.1684759	0.06730904	-0.07608477	-0.1632065	0.1632065
CD53	-0.07355873	-0.00483903	0.1653286	0.07424169	0.00991879	0.03161215	0.1386064	-0.1386064
MYO15B	0.06857243	0.1667706	-0.06630354	-0.06709005	0.02142516	-0.02447053	-0.1191402	0.1191402
NOL10	-0.03282268	0.09621349	0.05146931	0.04638462	0.05375384	0.05775279	-0.3109943	0.3109943
MRAP2	-0.05027952	0.05928102	-0.02790745	0.01290637	-0.06534996	-0.08231059	-0.2039324	0.2039324
SH2B3	0.0408245	0.00254524	0.1822121	0.04446697	0.07379195	0.09357524	0.2496579	-0.2496579
HTR1B	-0.02517542	-0.06769253	-0.02847043	0.02627663	-0.00108063	-0.02784116	0.03508041	-0.03508041
SLC16A14	-0.03584816	0.08473864	0.06902046	0.01588528	-0.03278325	0.06324158	-0.07293976	0.07293976
HLA-C	0.0374374	0.1106315	-0.04912811	0.00429052	-0.04092682	0.00235419	-0.02126944	0.02126944
PNOC	-0.07021477	-0.08203183	0.06969493	0.07764737	0.02734384	0.07993416	0.1618119	-0.1618119
AVEN	0.04106364	-0.07752102	0.111121	0.01972564	-0.04788363	0.08100746	0.1170529	-0.1170529
DBNDD1	-0.06652698	0.04244678	0.0199743	-0.09418415	0.05232988	-0.06059805	-0.1033625	0.1033625
EMC7	0.04685867	0.06327008	0.08222265	0.03716403	-0.01224701	0.03753266	-0.04543778	0.04543778
GUCA2A	0.09904336	-0.01642102	0.03130457	0.1068452	0.03979854	0.08348873	-0.05993826	0.05993826
PAIP2	-0.01272592	-0.1451863	0.05881382	0.043898	0.00730959	0.0396391	0.2187181	-0.2187181
ITGA8	-0.00709259	-0.03379758	0.04007865	0.01730903	-0.03968243	0.03871877	0.2077823	-0.2077823
IL17RB	-0.0201089	0.03959796	-0.1228695	-0.1595268	0.04592151	-0.1245402	-0.1585369	0.1585369
AC244197.3	0.1390229	0.03032732	0.06357973	0.0786269	-0.01460945	0.07979915	0.01355841	-0.01355841
PIP5K1B	0.02914638	0.1324046	-0.05700698	-0.06293135	-0.0133847	-0.04653996	-0.3817533	0.3817533
OLFM4	0.09137095	-0.03450133	-0.00941734	-0.00175483	0.07981992	-0.02843771	-0.04895866	0.04895866
SCML1	-0.01032892	0.06303	0.06103467	-0.04205623	-0.01862812	0.03938578	-0.2160356	0.2160356
MPPE1	0.07711389	0.05466321	0.1122769	0.05556547	-0.03610542	0.01693773	-0.0925652	0.0925652
PGBD1	-0.02604356	-0.03651931	0.03767957	0.01889942	0.03142327	-0.01611063	0.2393468	-0.2393468
ZC2HC1C	-0.06591993	0.03044895	-0.05913178	-0.09703621	0.02690394	-0.0362002	-0.1428504	0.1428504
SNRPG	-0.08033977	0.1454755	0.0691683	0.00774328	-0.03276039	0.05689142	-0.2459584	0.2459584

ABHD3	0.0157754	0.04630601	0.01571138	0.02662814	-0.05638776	0.02182404	-0.2395109	0.2395109
PGPEP1	0.0078607	0.0009051	0.1026318	0.00527122	0.01538336	0.05665746	-0.09879289	0.09879289
ZBTB14	0.02609997	0.00106972	0.07098583	0.1010827	-0.0105	0.04685622	-0.01694384	0.01694384
SDHB	-0.07871989	0.08578193	-0.05763484	-0.03333309	-0.00078473	-0.02912499	-0.2104194	0.2104194
UQCRQ	-0.03536577	0.00505387	-0.0380023	0.02195596	-0.0631019	0.07073812	-0.05821068	0.05821068
RHOB	-0.05240301	-0.1261747	0.1055723	0.0471678	0.03860098	-0.03592426	0.3575121	-0.3575121
MFNG	0.03354554	-0.02441262	0.08657964	-0.02436279	-0.02043791	0.05550242	0.1970649	-0.1970649
ISCU	-0.06521758	-0.138443	0.1640862	0.02910765	-0.00399288	0.01089569	0.3838221	-0.3838221
ZMIZ2	0.1035166	0.1010513	0.04888516	-0.00196724	0.06496282	0.06845313	-0.05621583	0.05621583
KMT2C	0.05722018	0.02634289	0.1252353	0.03437368	0.01905156	0.09747583	-0.07464983	0.07464983
CA2	-0.05781981	-0.04156607	-0.05868102	0.01611542	-0.08772091	-0.00630659	-0.2196643	0.2196643
EIF4E3	-0.01127766	-0.1378162	0.1703899	0.05332964	0.01712542	0.03764204	0.266928	-0.266928
MPHOSPH8	-0.00513255	-0.05967267	0.2346252	0.09087651	-0.01897955	0.1452914	0.1017585	-0.1017585
EPHX1	0.1036645	-0.06934874	-0.08601751	-0.05364297	-0.05191984	-0.07974274	0.08980827	-0.08980827
STUM	0.02308402	-0.1909942	0.1034876	-0.0201787	0.02645001	-0.02483246	0.3106515	-0.3106515
AHCYL2	-0.00177853	0.09244728	-0.01155275	-0.04851195	-0.00694636	-0.03843229	-0.2001611	0.2001611
AMOT	0.1025213	-0.09182119	0.02426097	-0.04945122	-0.01953689	0.02872755	-0.08262467	0.08262467
ZFP36	0.05000434	-0.00442004	0.04531262	0.00793453	0.0261682	-0.08117537	0.195287	-0.195287
TTC28	-0.00075871	-0.1561908	0.1406248	0.08708713	0.02902063	0.04543759	0.4654087	-0.4654087
RSRC1	-0.06057529	0.08717164	0.1295123	0.03192498	0.01199865	0.0540238	-0.1464793	0.1464793
COX8A	-0.09698774	0.01362592	-0.09472021	-0.08313677	-0.04836116	-0.03292545	-0.09890539	0.09890539
C6orf47	-0.07409214	0.06096765	-0.06958507	-0.0659441	-0.02439935	-0.08390454	-0.05368575	0.05368575
2-Mar	0.0418253	-0.01900368	0.06183932	-0.02045081	0.02716167	0.00253188	-0.09683182	0.09683182
THG1L	-0.03386826	0.01847645	0.04858707	0.05631362	0.04028542	0.1058844	-0.04898378	0.04898378
TUBB2B	0.01937633	0.02249855	-0.07118141	-0.09771409	-0.03747523	-0.07700463	0.00536833	-0.00536833
ABCA2	-0.02111401	0.07933372	0.03795064	0.0247729	0.00966207	0.09490356	0.07216271	-0.07216271
TMEM223	-0.03159278	0.0431821	-0.0322518	-0.02728109	0.01420277	0.02428788	-0.02561028	0.02561028
PIGS	0.05571963	0.05610473	0.01935933	0.06461805	0.09553287	0.06044767	-0.1187818	0.1187818
GPC2	-0.03226347	0.01476562	-0.02725813	-0.03869597	0.02038362	-0.00395016	-0.00115172	0.00115172
CD164	-0.00325563	0.1006538	0.1546165	0.09909876	0.00841387	0.09855746	-0.2222498	0.2222498
IDI1	0.02680647	0.09219057	0.04058894	0.03050612	0.08233399	0.06813911	-0.3145906	0.3145906
MAP3K12	0.00848901	-0.1090807	0.144193	0.1161684	0.05981993	0.09731163	0.4730091	-0.4730091
NHLRC4	-0.03058595	-0.0985345	0.1422894	0.06119672	0.01684375	0.04518706	0.3694838	-0.3694838
CD151	0.03498546	-0.01133653	0.05621811	0.07740453	-0.0273751	0.07194893	0.280034	-0.280034
RC3H1	0.04970143	0.01770001	0.08876403	0.05934761	0.00435363	0.07106377	-0.1290374	0.1290374
CEACAM1	0.00712295	0.08963156	0.06667957	0.02956598	0.02907699	0.1037548	-0.1547702	0.1547702
HYAL1	-0.0803734	-0.1085714	-0.04444408	0.02023334	-0.02319236	0.07382068	-0.1494472	0.1494472
AIF1L	0.02573875	0.02070319	-0.1174033	-0.06008583	-0.03982502	-0.05969306	0.07878679	-0.07878679
MTMR9	-0.04115756	-0.04409195	0.05236861	0.0657672	0.02784858	0.061168	0.08427396	-0.08427396
IBTK	-0.02960451	0.110996	0.1597336	0.1284655	-0.01691915	0.1250851	-0.2959203	0.2959203
DNAH14	8.87E-05	0.0714318	-0.02640457	-0.00703937	-0.00410271	-0.02660196	-0.08465831	0.08465831
METTL24	-0.05934251	-0.155575	0.1009775	0.01515261	-0.00086851	-0.02119174	0.3212861	-0.3212861
ADM2	0.03156605	0.0301512	-0.02217821	0.01622809	0.00442811	-0.00993315	-0.07220561	0.07220561
CD84	-0.01792384	-0.00092329	0.2414121	0.1169137	0.055532	0.08644516	0.1914573	-0.1914573
SLC20A2	-0.02334111	-0.07759978	-0.00598865	0.04496772	0.02643361	0.01830842	0.125521	-0.125521
POLH	0.00837257	0.09375239	0.00229372	-0.0168351	-0.01291851	-0.01955142	-0.06983282	0.06983282
PNP	-0.09881023	0.1159006	0.01812275	0.02661968	0.072607	0.09465472	-0.2975892	0.2975892
TRAK2	0.07862286	-0.02094015	0.1295838	0.03303176	0.02595205	-0.0133135	0.1761704	-0.1761704
NECAB1	-0.05694719	-0.1450924	0.1074804	0.0244554	0.02855007	-0.04858292	0.3396032	-0.3396032
KLHL22	0.02934253	-0.03217272	0.05260093	-0.03517397	-0.00821384	0.0204184	0.1230881	-0.1230881
AFG1L	-0.00643632	0.05567824	0.1333122	0.09849301	-0.0177721	0.10157	-0.1381747	0.1381747
SH3PXD2A	0.02088841	-0.06481399	0.02785156	-0.01324219	-0.02208576	-0.01596138	0.3498674	-0.3498674
BARX2	0.08226772	0.02152456	-0.2440429	-0.1471318	-0.0180533	-0.110692	-0.1533736	0.1533736
DLST	-0.05391102	0.06541436	0.04937914	0.02324359	0.05794473	0.0414592	-0.1166869	0.1166869
MTA3	-0.00944763	0.03709258	0.00095594	2.74E-05	0.06771204	-0.02505755	-0.1210052	0.1210052
TOMM20	0.03131414	-0.01205591	0.1078966	0.07550702	0.01346064	0.08792334	-0.1264191	0.1264191
HNMT	0.08782348	-0.00816684	0.2359004	0.1436408	0.04394728	0.06525373	0.1199695	-0.1199695
PSMG1	-0.03067691	0.0919758	0.01683683	-0.06562481	0.02385477	0.01519973	-0.220635	0.220635
ZNF875	0.09818975	-0.00981194	0.00477685	0.05390158	0.05994746	0.05537604	0.06571808	-0.06571808
LCLAT1	0.01530295	0.00529497	0.124954	0.06133222	0.00723937	0.1249966	-0.1751229	0.1751229
PTPN13	-0.04531307	-0.1013462	-0.075304	0.01697998	0.00033878	-0.00755725	0.1316015	-0.1316015

LPGAT1	0.06852662	0.02751085	0.1810343	0.06634928	0.05241227	0.07618793	-0.07849162	0.07849162
ARHGAP44	0.02245715	0.04965893	0.00721955	-0.00918219	-0.03021187	0.0161444	-0.1794659	0.1794659
PKN1	-0.03826134	-0.08882438	0.06727534	-0.00741862	0.0264518	0.03274826	0.2106533	-0.2106533
KRT7	0.04547334	0.00310865	-0.03927894	0.05920443	-0.00673783	0.08837657	0.08734522	-0.08734522
RTP4	0.07623017	0.09308712	0.08084564	-0.00368156	0.02300378	0.05265206	-0.00815661	0.00815661
UBIAD1	0.00115616	0.03874744	-0.05746398	0.01028373	0.05579562	0.00727263	-0.09166462	0.09166462
MED20	0.06766123	0.134084	-0.1347331	-0.06566178	-0.04150052	-0.06358725	-0.146443	0.146443
MARCKS	0.04009862	-0.04333217	0.1096652	0.140726	-0.01698086	0.0499158	0.2829784	-0.2829784
SMYD5	-0.02146265	0.08044154	0.06917544	0.05137979	-0.00118469	0.08073908	-0.1245743	0.1245743
SUV39H1	-0.03231208	0.01395021	0.00444958	-0.05040485	0.01695285	0.07955086	-0.1809586	0.1809586
RETREG2	0.06835519	0.00667269	-0.06173745	-0.0817645	-0.0256075	-0.01999393	-0.03601161	0.03601161
HYOU1	-0.00383461	0.02592923	0.02689239	0.1036237	-0.05298354	0.06927183	-0.1966789	0.1966789
ARL16	0.1036152	0.0303457	-0.01433142	0.0372785	-0.00560923	-0.00423281	0.03213712	-0.03213712
TMC6	0.0310189	0.07892669	0.05238596	0.02622938	0.08834233	0.1026228	-0.0201739	0.0201739
TIMM50	-0.1015836	0.02345905	-0.01242298	-0.01941473	0.00822276	0.04662533	-0.1029079	0.1029079
TBC1D32	0.03421023	0.1723882	-0.01632726	0.07934654	-0.03011237	-0.0515382	-0.2058134	0.2058134
CSNK1A1	0.01146142	-0.02573125	0.08660125	0.04508046	0.00524441	0.09311562	0.02878963	-0.02878963
SLC30A9	-0.00754688	0.04370507	0.1140425	0.06621758	-0.02080626	0.1004822	-0.1832731	0.1832731
PAXX	-0.1013399	0.1035726	-0.03088052	-0.1267208	-0.05587573	-0.01233543	-0.06535521	0.06535521
SLC16A3	0.01825442	0.04053537	-0.02944204	0.04947179	0.03288655	0.06810181	0.08135025	-0.08135025
PAK2	-0.02097055	0.01185649	0.1298329	0.05346234	-0.02108452	0.05195138	-0.03021315	0.03021315
TGFBI	0.00493457	-0.03005573	0.0909561	0.0358428	0.00838488	0.01839212	0.360268	-0.360268
SULT1B1	0.06342878	0.07078984	-0.03744409	0.01787287	-0.00811193	-0.01783811	-0.1834649	0.1834649
PLCD3	-0.086062	0.05099995	0.07430411	0.1071946	0.05261292	0.09190357	-0.1065256	0.1065256
CHRAC1	-0.04347691	0.1026897	0.01319384	-0.03313731	-0.03017361	0.00625097	-0.1681731	0.1681731
PHIP	0.02591705	-0.01469142	0.1707356	0.1026594	0.00235569	0.1338847	-0.08638242	0.08638242
KLHL21	0.05410158	-0.03433223	0.02628673	0.05577823	0.0423497	0.06960253	0.1480111	-0.1480111
RNF185	0.02668578	-0.05725122	0.04499754	-0.01009608	0.00750262	-0.00202906	0.1038147	-0.1038147
DNMT3B	0.00710008	0.00365167	0.00368206	-0.00402052	-0.04190054	0.00433352	-0.07072789	0.07072789
MX1	-0.07121783	0.05423038	0.08849529	-0.00869275	0.03990917	0.01855238	0.1023962	-0.1023962
MRPL16	-0.1543814	0.1561134	0.04590375	-0.03919407	-0.00671117	0.00139651	-0.2327175	0.2327175
ZNF701	0.0244648	0.05786982	0.1057119	0.02646779	0.0683891	0.05256603	-0.04759507	0.04759507
MYADM	-0.01225651	-0.1020683	0.1045538	0.01566795	0.05116175	0.01296303	0.4841426	-0.4841426
CDADC1	0.05840864	0.04260732	0.06077382	-0.05486874	0.0144232	-0.02745578	-0.05300913	0.05300913
SPATA2	0.09512692	0.1368909	0.0013359	0.03112962	-0.00852671	0.06438767	-0.2261608	0.2261608
BCAN	-0.04694526	0.07508049	-0.05337384	-0.05309325	0.0288937	-0.07035503	-0.06366087	0.06366087
RABEPK	-0.09390233	0.1513357	0.02787359	-0.0183776	-0.01361318	0.01057458	-0.1019522	0.1019522
C21orf58	0.00925052	0.01222367	-0.05599225	-0.04750727	0.010293	0.01464465	-0.125005	0.125005
CRBN	-0.06586017	-0.03726644	0.1430094	0.07883452	-0.00294163	0.0596654	0.1090581	-0.1090581
LARS	0.04543243	0.02570739	0.1292861	0.0955284	0.05458226	0.09975528	-0.08914704	0.08914704
IER5	-0.04995165	-0.01702883	0.0021498	-0.06732915	0.02628743	0.05288838	-0.01496663	0.01496663
HMGXB3	0.1011728	0.0627108	0.04888456	0.1104142	0.04767565	0.1280345	-0.01432527	0.01432527
MRPS24	-0.04099432	-0.0409295	-0.02573658	-0.07929845	-0.00189751	0.03767215	0.01324461	-0.01324461
PARL	-0.00759861	-0.03125393	0.07394564	0.09749979	0.04473326	0.01715729	-0.0592674	0.0592674
SRCAP	0.08677205	0.01043558	0.05780806	0.08084343	0.04270229	0.1281588	-0.06298386	0.06298386
KCNE2	-0.01469576	-0.1406282	-0.05811861	-0.029228	-0.02364888	-0.0322644	-0.0522353	0.0522353
TMPO	-0.00289459	0.02334956	0.1040924	0.00297593	-0.02324022	0.09537718	-0.2608169	0.2608169
CSGALNACT1	0.02835005	-0.03805626	-0.03733138	0.01542904	-0.03235097	-0.01748301	0.2398752	-0.2398752
IRAQ1BP1	-4.40E-05	-0.05524444	0.09333138	0.02543068	-0.04752713	0.02968787	0.01416738	-0.01416738
PRSS12	-0.09957803	-0.0204905	0.1544415	0.1060303	0.00153088	0.140935	-0.08317884	0.08317884
RGMA	-0.04052982	-0.1635542	0.09352205	0.01976324	0.01106234	-0.03586401	0.410685	-0.410685
MAPKAPK5	0.03457363	0.08269199	0.01330901	0.00307385	0.03737784	0.009236	-0.2153346	0.2153346
TSEN54	-0.00357612	0.09643072	-0.0866705	-0.115911	0.0573321	-0.05387457	-0.2502782	0.2502782
LRP3	-0.07120821	-0.01501003	0.03248474	-0.00385341	-0.01211204	0.02514872	0.1064699	-0.1064699
LBR	-0.02912359	0.04894407	0.185178	0.0737992	0.02755072	0.04468098	-0.1964705	0.1964705
FUNDC2	0.09158062	-0.08113625	-0.04702065	-0.00762965	-0.03841234	-0.09286814	0.1836973	-0.1836973
TMED7	-0.01453295	0.1016234	0.1656582	0.1005881	-0.05320346	0.08089549	-0.1114378	0.1114378
DHH	-0.03107356	-0.08666545	0.1252066	0.01496845	0.02949466	0.0548768	0.4671736	-0.4671736
DOP1B	0.1199652	0.00779864	-0.01364083	-0.01263078	0.0374487	0.03892921	-0.1932529	0.1932529
C6orf89	0.05838785	-0.00988767	0.00258633	0.04032672	0.02610483	0.01666537	0.05042248	-0.05042248
TSR3	-0.03534642	-0.06124979	-0.00595602	-0.08862371	0.01891039	-0.03964681	0.1630245	-0.1630245

NPIPB5	0.1078329	0.06624757	0.09980314	0.1504372	0.04809497	0.08586623	-0.00470253	0.00470253
PNPLA7	0.09969393	-0.05460464	-0.04219628	-0.03115926	-0.01735483	-0.02189611	0.06228225	-0.06228225
RFC2	-0.00360978	0.04309001	-0.00773567	-0.07701206	0.03993417	0.00637116	-0.1109383	0.1109383
DDI2	0.05681404	0.05154104	0.04991553	0.06080045	0.03138563	0.08010381	-0.1774645	0.1774645
UBQLN2	-0.02213463	-0.06824905	0.1132583	0.02880435	0.03722667	0.103047	0.1341009	-0.1341009
LY6G5B	0.1082896	0.1278984	0.08355869	0.1048959	0.03033262	0.05753713	-0.1254669	0.1254669
ATE1	-0.04856103	0.06633462	0.08895801	0.00095727	0.02594538	0.02010228	-0.04287164	0.04287164
WDR44	-0.04944351	0.06709039	0.1001374	0.04414139	-0.03648901	0.07387468	-0.1112681	0.1112681
BAZ2A	0.03009588	0.04656086	0.09647399	0.05804269	0.01518312	0.1646434	-0.08940822	0.08940822
CEL	0.09080232	0.02360619	-0.0054443	0.03363926	-0.02761794	-0.02301945	0.00998724	-0.00998724
USP9Y	0.5023973	-0.06225978	0.02316358	0.101914	0.02201538	-0.0230971	0.08080587	-0.08080587
ZNF408	0.00811803	0.08835042	-0.01715336	-0.03687341	-0.0483036	0.0434659	-0.112123	0.112123
EPOR	0.01046493	-0.09168174	-0.00242672	-0.07774006	-0.02150013	-0.02186816	-0.0320562	0.0320562
GORASP1	-0.00050189	0.1056223	-0.01850214	-0.03390957	-0.02287665	-0.00235487	-0.06716757	0.06716757
ZNF586	0.01370101	0.05583812	0.07259231	0.03033586	0.02713196	0.01231799	-0.02116311	0.02116311
GSTO1	-0.1150611	0.05466147	0.1291262	0.06776131	-0.02735959	0.08791557	-0.02154592	0.02154592
GGCX	0.0221058	-0.02559365	0.09155456	0.09715521	-0.01865775	0.09125205	0.02084974	-0.02084974
GALNT6	0.04375741	-0.07774438	-0.02755709	-0.0128059	-0.06468341	0.03615453	-0.225443	0.225443
DMBX1	-0.05482908	0.02064083	0.01194837	-0.04712403	-0.08527956	0.07222437	-0.1221656	0.1221656
LZTR1	0.05303782	-0.01477424	0.06517072	-0.01992346	0.01107045	0.0364679	0.03397065	-0.03397065
THAP1	-0.1876354	-0.08654802	0.07924512	-0.00902594	0.00331069	0.00596217	0.09642334	-0.09642334
ZNHIT6	-0.04246275	-0.00925737	0.2037709	0.06331998	-0.04994437	0.1412396	0.0048155	-0.0048155
DHX37	-0.02126549	-0.0456005	0.06068043	0.04660429	0.02357823	0.127413	-0.06123158	0.06123158
GNPTAB	-0.05477384	0.09034415	0.1873183	0.03566862	0.00457892	0.04637339	0.06084745	-0.06084745
CLEC17A	-0.08609267	-0.04188124	0.008648	-0.00402809	-0.00369512	0.03182786	0.01457021	-0.01457021
TGFBR3	-0.03237267	-0.07639181	0.1033203	0.00085478	0.09641704	-0.02927741	0.265956	-0.265956
DNAJC5B	-0.08700629	2.69E-05	0.1552366	0.00463917	-0.03973353	0.0707863	0.07156982	-0.07156982
FOXP4	0.08269825	0.07977463	-0.03947165	-0.0103311	-0.06378259	-0.0104398	-0.1580085	0.1580085
SPATA7	0.05255185	-0.01072215	0.1308287	0.05858421	0.01246543	0.07502296	0.09202232	-0.09202232
BCL2L10	-0.07366458	-0.02759568	-0.00590159	0.00622384	-0.03164473	0.05047545	-0.1368143	0.1368143
MTCL1	0.02613063	-0.03158055	0.08163628	0.04444502	0.08135422	0.0340228	0.1912379	-0.1912379
SELENOF	0.01465449	0.1144019	0.1076872	0.07229824	0.02404365	0.04972961	-0.1337311	0.1337311
GAPT	-0.05678644	-0.1589506	0.07602687	0.06491849	0.01822909	-0.04512398	0.2776197	-0.2776197
SPIN3	0.01912742	0.04628205	0.01402373	0.02313766	-0.01376799	0.03524103	0.02675926	-0.02675926
KCNH4	-0.04017659	-0.01221716	0.08157317	-0.06288783	-0.00922784	0.03037089	0.1258886	-0.1258886
CRY1	-0.01430074	0.00174925	0.07042043	-0.00921286	-0.03042312	-0.00659342	-0.02154835	0.02154835
SKA2	-0.03449862	0.0206933	0.05341024	-0.01814427	0.04008569	0.04288647	-0.09866092	0.09866092
NLGN4Y	0.5488613	-0.1361362	0.1025739	0.06761924	0.03344011	-0.0436345	0.3908176	-0.3908176
USE1	-0.03521749	0.00829145	-0.05531447	-0.03591162	0.0030612	-0.02797923	0.00527018	-0.00527018
SS18L2	-0.1490627	0.07105707	0.01446716	0.01092814	-0.06217237	0.00622341	-0.2150284	0.2150284
TTC27	-0.02082352	0.04948468	0.1116598	0.07865897	0.05145381	0.06838813	-0.2190491	0.2190491
ZNF703	0.02987488	-0.02741802	0.01342715	-0.1179711	-0.01605499	-0.04176897	-0.04493975	0.04493975
SP140L	-0.04508343	0.1314186	0.06631832	0.03611588	0.02362442	0.08824664	-0.100587	0.100587
ANKHD1	0.05010238	-0.00541739	0.1794063	0.1000271	-0.00235389	0.1636644	0.02118686	-0.02118686
C16orf70	0.01977874	0.1244438	-0.00381401	-0.04211805	0.1016365	-0.03456067	-0.06261795	0.06261795
CALD1	-0.03529718	-0.1321272	0.1251605	0.04121887	0.0308058	-0.0281214	0.3939612	-0.3939612
SNX9	-0.07484841	0.05593023	0.1290624	0.0591723	0.00143229	0.02860368	0.03447815	-0.03447815
LGR5	0.03981558	0.02240929	0.03569815	-0.00044747	0.02865887	0.07498819	-0.07754894	0.07754894
APLN	0.08831188	0.1224835	-0.09843627	-0.1012459	0.05987696	-0.04563218	-0.108236	0.108236
MKNK2	-0.07918191	-0.01257058	-0.03361044	-0.08632314	-0.04850511	0.01080448	-0.07807353	0.07807353
ST3GAL3	-0.00753022	-0.1752793	0.05357723	0.04009697	-0.0099573	-0.00933648	0.4123524	-0.4123524
TUBB	-0.09777154	0.03955609	0.05619621	0.05079503	-0.01369884	0.05871883	-0.00521399	0.00521399
CACNA1D	0.1419118	-0.01001887	0.03650536	0.0518223	-0.01656118	0.06615802	-0.08334495	0.08334495
AL136531.2	0.07411392	0.1243916	0.00623117	0.04945631	-0.02550302	0.00600683	-0.1987964	0.1987964
IP6K1	0.00087794	-0.05357466	0.04718215	0.0260545	-0.00829805	0.04222235	0.04228683	-0.04228683
TRIM4	0.05545078	-0.06568715	0.03218971	0.04081325	-0.01653925	0.01513954	-0.01716604	0.01716604
GMEB1	-0.06264691	-0.01896783	0.1058677	0.06855612	0.00532839	0.1252519	-0.04768172	0.04768172
PHYHIPL	-0.05774908	-0.01915347	-0.01184936	-0.06320838	-0.05092049	-0.01227055	0.06895444	-0.06895444
TAF15	-0.03952867	0.03518727	0.1359475	-0.00833299	0.153486	0.09152363	-0.1045564	0.1045564
BPHL	-0.01636452	0.06808097	0.01699071	-0.02387405	0.01243703	-0.02104682	-0.2171938	0.2171938
NFE2L3	-0.02081249	0.1465227	0.1075992	-0.03725706	0.04116674	0.04877528	-0.08204918	0.08204918

PAAF1	0.05633361	0.03996818	0.02970394	0.00171232	0.00239827	0.03905063	-0.05086208	0.05086208
FAM227A	0.03613066	0.02981231	0.05064834	0.05945431	0.01628366	0.07358825	0.00356638	-0.00356638
RARS	-0.06085715	0.1370245	0.08178307	0.06720456	0.03535698	0.1041246	-0.23644	0.23644
SLC66A2	0.04709404	0.05145677	-0.01235425	-0.08677313	0.1098009	-0.01406789	0.06197562	-0.06197562
WASHC3	-0.01124904	-0.07515206	0.00116526	-0.04901509	-0.04472367	-0.01910931	0.1229108	-0.1229108
SURF4	0.01157874	0.07342631	-0.0082916	-0.00329541	-0.04065976	0.04085631	-0.1406205	0.1406205
IPO13	0.02541334	-0.07721028	-0.05844541	-0.01631146	0.00542577	0.02043302	0.00788805	-0.00788805
FKBP1A	0.0482643	0.0745118	-0.02338961	-0.05238166	-0.05321049	-0.05079787	0.03708774	-0.03708774
SMPD4	0.01967689	0.09632671	0.0414561	0.04469222	0.05735426	0.05576529	-0.1860386	0.1860386
TNFRSF18	-0.07030137	0.09826784	-0.03593869	-0.05989806	-0.05236749	0.01200287	-0.04615884	0.04615884
MND1	-0.08350719	0.09052842	0.05143177	-0.02494592	0.01595984	0.0635128	-0.282912	0.282912
AGFG1	0.04618054	0.06903824	0.01446693	0.07356413	0.01792453	0.03993246	-0.27588	0.27588
ARID1A	0.03630073	-0.02362387	0.05202481	0.06293618	0.0315647	0.09093299	-0.00818969	0.00818969
C17orf78	-0.03130241	0.04442942	-0.06461255	-0.02274819	-0.03449559	-0.0336315	-0.09164559	0.09164559
CRIP1	-0.06160809	0.06642502	0.0573338	0.07568954	0.00112399	-0.00710852	-0.07153777	0.07153777
RCCD1	0.01748173	0.1073289	-0.05733175	-0.01276897	0.06673982	0.05675299	-0.2129053	0.2129053
HP1BP3	0.04178232	0.03965483	0.0770125	0.06185884	0.03717089	0.05851264	-0.06797807	0.06797807
ACY1	-0.02709917	0.06084936	-0.01275398	0.03897346	0.03007912	0.05396548	-0.2675052	0.2675052
PGP	-0.08889931	-0.02327706	0.01673814	-0.04435698	0.01822741	0.02653617	-0.03848781	0.03848781
UBR4	0.02564608	0.0293599	0.06224617	0.0512039	0.05699573	0.1060598	-0.06002319	0.06002319
PAOX	-0.07995191	0.05677212	-0.06337248	-0.1235535	-0.00708806	-0.07922327	0.0125189	-0.0125189
CNNM2	0.03063458	-0.03768354	0.1015632	0.01567523	0.01707113	0.09762298	0.210755	-0.210755
CCL5	-0.01315446	-0.00501093	0.1847708	-0.02864302	0.00715414	0.06465244	0.1762395	-0.1762395
HIST1H2BH	-0.05562462	-0.02218069	-0.1087807	-0.05531476	-0.07391436	-0.01888929	-0.05590535	0.05590535
TAF1A	-0.04463633	0.05615574	0.1515074	0.06504804	0.0501687	0.1247014	-0.1529496	0.1529496
ZNF736	-0.06275232	-0.00913113	0.06565635	-0.00225266	0.00512223	0.04786517	-0.06444427	0.06444427
HSF2BP	0.06883917	-0.0081705	-0.09321501	-0.0671538	0.02118775	-0.03851594	-0.07955714	0.07955714
RNF115	0.05728505	-0.07102305	0.1184057	0.05233906	0.02674208	0.04689433	0.1389979	-0.1389979
ZNF395	-0.02928778	0.00803159	-0.1210745	-0.03729149	-0.00414158	-0.1202953	-0.118983	0.118983
ZNF665	-0.00698807	-0.1060682	0.09978147	0.0219942	0.02545462	0.00136248	0.1203275	-0.1203275
CCDC12	-0.03303196	0.07168632	-0.05292677	-0.1388301	-0.03931183	-0.06408267	-0.1153399	0.1153399
FKBP9	0.1044003	0.04089733	0.08035595	0.02521809	-0.00655248	0.02141389	0.08665768	-0.08665768
SGMS1	-0.0041124	0.04283057	0.01775242	-0.02199651	-0.01398012	-0.04984378	-0.1342716	0.1342716
PPBP	0.06620953	0.01806188	-0.00593652	0.09290799	-0.00558501	0.05684724	0.07730914	-0.07730914
HNF1A	0.06706749	0.00844758	0.05850326	0.01006789	-0.01025729	0.06968552	-0.2296609	0.2296609
USP1	-0.0134678	0.0842979	0.09858856	0.00305753	-0.00434008	0.06143612	-0.2283485	0.2283485
ADAMTS2	0.03416309	0.07113671	0.1317772	0.02915952	-0.01471011	0.03622963	0.4621906	-0.4621906
TXNIP	0.0020933	-0.08581949	0.1301186	0.0925176	0.08044411	0.01615871	0.2796362	-0.2796362
DIPK1C	0.00546174	-0.00913962	-0.05055726	-0.04814943	0.1658478	0.01536172	0.01990599	-0.01990599
SMAD1	0.03477987	-0.01342567	0.0699425	0.02030554	0.1168151	0.00214142	0.03554476	-0.03554476
ZNF724	-0.07078859	0.07397713	0.08172351	-0.02468174	-0.00118551	0.02115278	-0.1281179	0.1281179
SOCS2	-0.05480733	0.00256477	0.07806465	0.00539389	0.02343717	-0.0044423	0.1448855	-0.1448855
TICRR	0.0073526	0.05398327	0.02271045	0.02988326	-0.02818863	0.1221114	-0.2240463	0.2240463
ZDHHC12	-0.01116892	0.06206429	-0.1272317	-0.1507934	-0.04445146	-0.06746219	-0.05003512	0.05003512
MRPL41	-0.0852891	0.06002146	-0.04643533	-0.09055963	-0.03117208	-0.01301158	-0.0172023	0.0172023
DLL4	0.1175894	0.08405344	0.05367246	-0.05690611	0.06978638	0.00909114	0.163482	-0.163482
NUDT16L1	0.02624309	0.03218839	-0.06854768	0.03713737	-0.02023344	0.000702	-0.09878108	0.09878108
ADGRE5	0.01999771	0.1096383	0.1054046	-0.02046483	0.05062055	0.1018508	-0.06607057	0.06607057
FMO1	0.03506805	-0.1754654	0.09757884	0.05289659	-0.00546824	-0.03022565	0.3926736	-0.3926736
CCDC91	-0.00115878	0.00145199	0.05876703	0.1415793	0.02792722	0.04090359	0.00017828	-0.00017828
CARNS1	-0.02078051	-0.02348584	-0.0074887	0.069184	-0.0527834	0.09507722	-0.02346902	0.02346902
SLC6A12	0.00557874	-0.04550836	-0.04312728	-0.09153815	-0.04125435	-0.02973382	-0.04523519	0.04523519
LRRC8B	0.01543616	0.08521651	0.0787885	0.03822744	-0.01430993	0.05477143	-0.267067	0.267067
SSU72	0.01348214	0.03998219	-0.1143773	-0.05186169	0.00339157	-0.07521923	-0.1086031	0.1086031
SLC49A3	0.00829804	0.00805199	-0.1107169	-0.05550449	-0.08673624	-0.07742083	0.0662707	-0.0662707
GATD3B	-0.03754873	-0.03194976	-0.1051227	-0.05495755	-0.07816407	-0.06910602	0.09788203	-0.09788203
SMG9	0.02444573	0.100521	-0.01062328	0.05085032	0.01846983	0.04258759	-0.07055122	0.07055122
HOXC8	-0.00833266	-0.00173405	0.01575906	0.02608708	0.02226674	-0.00231382	0.03644615	-0.03644615
UBE3D	0.02481297	0.02735548	0.09386226	0.01051129	0.03888022	0.00888999	-0.2125326	0.2125326
CEACAM5	0.06388322	0.06864739	0.0463896	0.01769201	-0.01577406	0.07926037	-0.07987853	0.07987853
GAA	0.05827962	-0.08063996	0.05494928	0.01278305	0.04947832	0.03115542	0.159764	-0.159764

APBB1IP	-0.07127833	-0.04713694	0.05781006	-0.01618427	-0.00461788	-0.0147641	0.08744641	-0.08744641
NAP1L3	-0.02634172	-0.2171098	0.168126	0.04830496	0.02060794	-0.00964033	0.5776755	-0.5776755
MEF2A	0.01354212	-0.09251537	0.1341748	0.09984192	0.03052896	0.04021132	0.2899582	-0.2899582
ARL8A	-0.03702398	0.01124079	-0.00389485	-0.1170524	0.00834249	-0.0411278	0.06919443	-0.06919443
AP3M2	-0.05454013	-0.01659239	0.1021662	-0.04393272	0.01408339	0.01827437	-0.01226085	0.01226085
PAQR8	0.07429939	-0.01264153	-0.05942845	-0.04993806	0.01269531	-0.05089301	-0.2681027	0.2681027
DAAM2	-0.00292161	-0.1354172	0.1373991	0.05009296	0.00548844	0.01057793	0.4021222	-0.4021222
WNT6	0.04356881	0.0080972	-0.04320726	-0.05091053	-0.00436964	-0.02399067	0.07752853	-0.07752853
ZNF384	-0.01885732	0.05376061	0.0744465	0.01083339	-0.03814535	0.09868152	-0.0692963	0.0692963
PRDX6	-0.1460704	-0.03391107	0.08168661	0.06108131	-0.01253746	0.00632015	-0.1081052	0.1081052
MRPL3	-0.08197863	0.06320119	0.08152208	0.02662243	-0.04084788	0.07363001	-0.2640655	0.2640655
C19orf54	0.05058097	0.01285912	0.0453196	0.03566406	-0.00692287	0.07185839	-0.1574856	0.1574856
SIN3A	0.03650879	0.00236996	0.1077683	0.05976084	0.05500751	0.1093743	-0.0120972	0.0120972
NDUFB10	-0.1151414	-0.03107962	0.03817637	-0.01503365	-0.03391012	-0.01815563	-0.03566585	0.03566585
ADCY1	0.01977844	-0.06257142	-0.06009146	0.0745449	-0.02932782	0.04468292	0.04646335	-0.04646335
C6orf120	-0.00854761	0.023904	0.08669002	0.1173157	0.0190571	0.04380218	-0.1260292	0.1260292
WNT5A	0.1064001	0.08445088	-0.00040432	0.02523849	-0.04688422	0.02403568	0.1292786	-0.1292786
TRPC1	-0.03674095	-0.1261592	0.1252229	0.07760514	0.04578071	-0.02495378	0.4678287	-0.4678287
VANGL2	0.03002138	-0.00201242	-0.09356261	-0.06202133	0.1149206	-0.03123856	0.02299158	-0.02299158
PHKG1	0.04980602	-0.1013204	0.1042296	0.03755454	0.1623296	-0.00815482	0.3439155	-0.3439155
FBXL14	-0.1005968	0.02694387	0.04935146	0.03430571	-0.03196763	0.06026746	-0.01188229	0.01188229
UBASH3B	9.20E-05	0.00347077	0.1019	0.06192115	0.02498697	0.09613082	0.0243523	-0.0243523
LSM8	-0.06093456	-0.00843962	0.08761161	0.09320638	-0.02604341	0.08904358	-0.1185429	0.1185429
BSPRY	0.02509236	0.1119005	-0.1575391	-0.1792963	0.02566034	-0.1390209	-0.2389346	0.2389346
DDIT4L	-0.00275014	-0.1761215	0.07248912	-5.22E-05	0.06958628	0.04058394	0.1950276	-0.1950276
PCP2	0.04450463	0.02030588	0.06683291	0.03989504	-0.06464147	0.04547691	-0.1401384	0.1401384
RRAGB	0.03752578	-0.03025091	0.1422534	-0.02251177	0.00531438	0.01748852	0.1968746	-0.1968746
KLHL35	-0.1476091	0.01085163	0.09535986	-0.07109096	-0.06615531	0.06882446	-0.09862107	0.09862107
PIKFYVE	0.05633139	0.02231117	0.1243603	0.07363011	0.01030367	0.08359371	-0.07075975	0.07075975
TUBGCP5	0.02201755	0.06867767	0.1479038	0.09161146	0.02563988	0.1093305	-0.1259902	0.1259902
TOR1AIP1	-0.03366966	-0.1492254	0.1768571	0.07496281	0.03117018	0.0246304	0.3032545	-0.3032545
STK17B	-0.08069282	0.00994995	0.1468995	0.09152305	0.01754429	0.09361806	0.06710287	-0.06710287
IREB2	0.03359386	0.0392923	0.1353864	0.1055656	-0.0189218	0.1376855	-0.1887581	0.1887581
ABCC9	-0.02509772	-0.1361334	0.1795122	0.1111646	0.08415032	-0.01193481	0.4613988	-0.4613988
ATAD1	-0.00331342	0.01517036	0.1676127	0.02742506	0.00460696	0.08910139	-0.03361317	0.03361317
RAB14	0.00398124	0.09996121	0.07778236	0.00787114	-0.03349705	0.05410021	-0.1639145	0.1639145
ATF7	0.03493674	-0.07933	0.1579791	0.05691541	0.04138425	0.09448406	0.3346941	-0.3346941
GFOD2	0.1111487	-0.00589016	-0.0051292	-0.02746854	0.0485453	0.02123578	0.04426482	-0.04426482
RFX7	0.04977761	-0.03400832	0.1364077	0.0459823	0.04830994	0.07725356	-0.09007605	0.09007605
SLC16A11	0.102477	-0.09947653	-0.1705927	-0.1154069	-0.01664209	-0.08938371	-0.03369278	0.03369278
NCAM2	-0.05258177	-0.1439179	0.2081027	0.05888754	0.09822277	0.0543832	0.3963542	-0.3963542
RASL12	0.02430007	-0.1323421	0.06258586	0.02290185	-0.01179704	0.03138589	0.4792131	-0.4792131
SNUPN	0.01038469	0.03939229	0.02564121	0.02005888	-0.01368847	0.00764425	-0.07333856	0.07333856
TRAF4	0.05312598	0.1412827	-0.04069946	0.00059732	0.06460071	0.01838183	-0.260405	0.260405
IL1RL2	-0.06813402	-0.0434368	-0.04436139	0.03367023	-0.03530559	0.01080977	-0.1111329	0.1111329
PCP4	0.02598342	-0.03181051	-0.09350582	-0.09624647	-0.05626852	-0.09472103	0.03984988	-0.03984988
ZNF45	-0.05142536	-0.08450882	0.08735278	-0.03323215	0.0029392	0.05557089	-0.05126428	0.05126428
DEXI	-0.01902066	-0.06498666	0.09289021	0.07600252	0.09862869	-0.00959898	0.2082597	-0.2082597
LMBRD1	0.03091436	0.0416606	0.1225121	0.1039377	-0.04231608	0.0386069	-0.08507312	0.08507312
CBX2	0.08279274	0.00980959	0.01448246	0.00022289	-0.01361452	0.03760147	-0.02720901	0.02720901
CDKL1	-0.01121024	-0.08849271	0.03393219	-0.02087881	-0.02403518	-0.01819268	0.02046632	-0.02046632
CMPK1	0.04083018	0.07231416	-0.01868901	-0.04073015	-0.05606885	-0.08006771	-0.2788612	0.2788612
SEPTIN9	0.01571384	-0.03641756	0.0228374	0.01055575	0.05551604	0.08867781	0.04474329	-0.04474329
UBXN6	0.00952734	-0.02558031	-0.00050812	-0.04397828	-0.04781891	-0.03576686	0.2399864	-0.2399864
AP1B1	0.00123189	-0.01221983	0.00106856	-0.00304155	-0.00616338	0.03621731	-0.05542117	0.05542117
NPDC1	-0.04177043	0.024193	0.00198183	0.00614647	-0.02806919	0.05890118	0.07798019	-0.07798019
ZNF552	0.07123469	0.04791057	-0.05984757	0.0260963	0.00531809	-0.03835001	-0.1282584	0.1282584
UTP3	-0.1018366	0.0903061	0.06767062	-0.02879965	-0.00925353	0.02735325	-0.1027416	0.1027416
YDJC	-0.09263576	0.1010414	-0.1112957	-0.07569698	0.01256942	-0.00426588	-0.09378646	0.09378646
MALT1	0.05249296	-0.00167301	0.0468213	-0.0216775	-0.00473076	0.0040544	-0.00693839	0.00693839
POLR2M	0.0794147	0.01749685	0.1490645	0.04802723	0.01286068	0.02186657	0.00929023	-0.00929023

MESD	0.06138337	0.07209434	0.02936258	0.04937483	0.00542739	0.03364055	-0.06049811	0.06049811
MRPL47	-0.07462624	0.05570521	0.04122617	0.00811318	-0.01845472	0.05171677	-0.1136936	0.1136936
GALNT14	-0.1375018	0.03569744	-0.06217009	-0.06952252	0.03869971	-0.00359841	0.05820267	-0.05820267
ZNF714	-0.01976063	-0.00464392	0.1048746	0.1039822	0.08214948	0.1127399	-0.2541599	0.2541599
TNNI2	-0.07535213	-0.00680714	0.05164984	0.05332346	-0.03149845	0.05890929	-0.06205988	0.06205988
PLPP6	-0.02774009	0.09391607	0.0037936	-0.1047157	-0.01289052	-0.06625288	-0.06073764	0.06073764
CHPT1	0.05954671	0.03309608	0.01717509	-0.0598827	0.08328694	-0.0385157	-0.1105379	0.1105379
HYLS1	-0.1727812	0.1051403	-0.06074853	-0.06051724	-0.02294141	-0.00916687	-0.1097528	0.1097528
PRPF39	-0.03196914	0.1523278	0.08422904	0.032133	0.05271064	0.09947934	-0.1829325	0.1829325
RLF	-0.00775207	0.0045767	0.1444703	0.07803101	0.05041779	0.1134573	-0.06632566	0.06632566
AP3S1	-0.08710552	0.08707313	0.0392141	0.04829787	-0.02061296	-0.0645012	0.0980279	-0.0980279
HIST1H1C	-0.01904309	-0.02376951	-0.03477828	-0.00640797	-0.0586105	-0.00616974	-0.06471101	0.06471101
STK16	0.08417936	-0.0118065	-0.1061486	-0.04696086	0.06822484	-0.03006311	-0.02921943	0.02921943
BCL2L12	-0.1250362	0.04772641	-0.02732987	-0.02720283	-0.02080036	0.00586398	-0.1201742	0.1201742
MICAL2	-0.00743894	-0.07810754	0.1462481	0.01335905	0.00375414	0.02736277	0.273961	-0.273961
RPS16	-0.1092123	-0.02384218	0.01954174	-0.02591926	-0.07309123	0.06298589	0.01426723	-0.01426723
TNFSF15	0.01301532	0.03677072	0.09099654	-0.02651615	0.02888957	0.05592947	-0.07007171	0.07007171
MT1G	0.02253724	-0.1114733	-0.1400465	-0.03619486	-0.02824893	-0.1255743	-0.1688548	0.1688548
CDKN2D	-0.04172414	-0.01455472	0.0021496	-0.05031467	0.00144132	-0.02019374	0.09568964	-0.09568964
PIK3CB	0.0012022	0.07389931	0.1491133	0.03573009	0.00391583	0.09379301	-0.1992369	0.1992369
MPEG1	-0.01969461	-0.03507677	0.1192328	0.05621161	0.0323905	0.05105358	0.1089628	-0.1089628
GAN	-0.00453844	0.05039501	0.05783348	0.07223957	0.09138052	0.05828721	-0.1824368	0.1824368
LIAS	-0.05469848	0.07500875	0.07851812	-0.00893575	-0.01990273	0.03795914	-0.2452272	0.2452272
C1QC	-0.00194343	-0.01340388	0.1717511	0.0557631	-0.00175733	0.03216672	0.2372629	-0.2372629
MRPS12	-0.1217278	0.03765743	-0.07558442	-0.05685032	-0.02921042	-0.01397591	-0.101619	0.101619
MRPS6	-0.117656	0.00663707	0.1316829	0.0189528	0.04629427	0.06358907	0.03233219	-0.03233219
TGFA	0.09485782	0.05980761	-0.05580282	-0.01689294	0.02280251	-0.0149784	0.02311566	-0.02311566
GSTM3	0.02666231	-0.06452546	0.01078688	-0.04309568	-0.0006009	-0.0563471	0.06409239	-0.06409239
LRRC8C	0.00872283	-0.0123161	0.1787272	0.1142239	0.04345334	0.06334953	0.2851985	-0.2851985
OSBPL6	0.02328198	-0.1631485	-0.01230093	0.01009584	-0.00053347	0.01503516	0.05566311	-0.05566311
NDUFA2	-0.03131962	-0.0241908	-0.02289203	0.0127892	-0.07357493	0.04478875	-0.04529394	0.04529394
SLC39A1	0.04072889	0.02366861	-0.08518038	-0.0086704	0.02003609	-0.03409949	0.03744246	-0.03744246
RNF19B	-0.04180131	0.08114005	0.05883474	-0.06653143	0.0607624	0.02983137	-0.08322936	0.08322936
FKBP7	0.02348609	-0.1018563	0.1667138	0.1080152	0.02709137	-0.02582488	0.5732535	-0.5732535
HMGB3	0.04301239	0.06764152	-0.05250209	0.00404497	-0.04070303	0.03356285	-0.1860974	0.1860974
EXOC8	0.06056822	0.02210086	0.1663463	0.05698278	0.04991543	0.1252037	-0.06597814	0.06597814
SBF2	0.03992843	0.02965862	0.1794908	0.05022423	0.05998977	0.05809249	0.0778558	-0.0778558
ZNF18	0.01317172	0.01177465	0.1042388	-0.01001876	0.03239112	0.00800071	0.02764077	-0.02764077
OIP5	-0.02606325	0.06003036	0.04129053	-0.02660573	-0.08370839	0.01917357	-0.242263	0.242263
BMPR1A	-0.00213404	-0.159069	0.1664699	0.0256246	-0.04099163	0.02223276	0.2349667	-0.2349667
CLEC11A	0.02917887	-0.06837368	0.07677058	-0.03578562	-0.05590554	-0.04960857	0.6122126	-0.6122126
MED9	0.01766114	0.09033079	-0.03633435	-0.08526712	-0.04279448	-0.06384634	-0.09012331	0.09012331
NAA10	-0.1598058	0.1152998	0.07781068	-0.00720363	-0.0308421	0.06939793	-0.1357586	0.1357586
CX3CR1	-0.04916406	-0.1056703	-0.00399557	0.01959231	-0.02849578	0.00302067	0.2650208	-0.2650208
EPST11	-0.04680095	0.1274281	0.1835764	0.00044854	0.04265696	0.07499653	-0.00252076	0.00252076
MEDAG	0.04378606	-0.0186854	0.06371022	0.03252962	0.00955295	-0.07210942	0.3745998	-0.3745998
HOXA6	-0.03610837	-0.08441064	0.03991712	-0.03066763	-0.03200612	0.02550087	-0.0580454	0.0580454
C4orf19	0.08344043	0.09532383	-0.00353026	0.05601349	0.00657935	0.02500277	-0.2853441	0.2853441
HOXB8	0.01771511	0.03456108	-0.07662251	-0.02584611	0.05116164	-0.02754369	0.1051453	-0.1051453
NXT2	-0.1135459	0.1138186	0.05283238	-0.03813836	-0.03034999	0.0245859	-0.04732222	0.04732222
GRPEL1	-0.1060866	0.1040479	0.00700539	-0.01394336	0.00320456	0.03078624	-0.2198147	0.2198147
CSNK1G2	-5.56E-05	0.08432161	0.0118723	-0.06532195	0.04437133	0.01164858	0.02563625	-0.02563625
BMPR2	0.06232801	-0.02887018	0.1966086	0.1010375	0.01570303	0.1012234	0.2304898	-0.2304898
GALNT1	-0.0226961	0.07064528	0.1788178	0.0592398	-0.04432418	0.02956677	-0.1533203	0.1533203
ST6GAL2	-0.01269098	-0.1074773	0.07845971	0.09581171	-0.01143142	0.1138057	0.3684194	-0.3684194
GOSR1	0.04345842	0.05106375	0.0691906	0.04310662	0.07533694	0.06978544	-0.1232372	0.1232372
MAD2L1BP	-0.01143449	0.1707911	-0.09964303	-0.07519693	-0.05132309	-0.06047169	-0.1817502	0.1817502
CCR5	-0.00834195	0.00679884	0.2187727	0.06577372	0.01294824	0.1112299	0.1835351	-0.1835351
ORC6	0.00187352	0.0949165	0.05351941	0.00283472	0.04672128	0.04271937	-0.2536448	0.2536448
TRIO	0.03816655	0.05560894	0.08073067	0.01847325	0.0453818	0.03660085	0.233568	-0.233568
ISOC1	-0.1094969	0.1009993	0.07911014	0.04580882	-0.04250003	-0.00595244	-0.1457677	0.1457677

GSDME	-0.08658108	-0.02903336	-0.00226254	0.1509868	0.01829091	0.1506214	0.07313531	-0.07313531
REPS1	0.00595168	0.02706449	0.05673999	0.04203068	0.06698664	0.08212378	-0.1483737	0.1483737
FAM20A	0.0060563	-0.09841565	0.00710547	0.08557334	-0.02339001	-0.00735335	0.2698506	-0.2698506
KLK1	-0.02367618	0.06122208	-0.02901229	-0.0551469	0.03149127	-0.03836645	-0.01454459	0.01454459
MIPEP	-0.00933403	0.05599461	0.1252566	-0.04142101	-0.05173149	0.07539476	-0.2013038	0.2013038
NUP50	-0.0931563	0.07053598	0.0452014	0.02314661	0.01172691	0.05718978	-0.2704894	0.2704894
ANXA13	0.1171199	-0.05351564	-0.0297917	0.05096355	-0.00646521	0.06202281	-0.1347307	0.1347307
VPS37B	0.03802906	0.04357207	-0.1078145	0.01357467	0.02681499	0.00796206	-0.09850541	0.09850541
ARHGAP4	-0.00500623	-0.04457961	0.1033188	0.07659494	0.00427408	0.09571005	0.06586904	-0.06586904
GPR153	0.09310128	-0.00985909	-0.02329414	0.05656494	0.02500419	0.02277116	0.06109395	-0.06109395
TKT	-0.04343975	0.0456715	0.02516511	-0.00100486	-0.01024383	0.04480761	-0.174581	0.174581
CR2	-0.07306344	-0.05267992	0.0074096	0.06854335	0.00420429	-0.01103156	0.06620052	-0.06620052
DIS3L	0.01769611	-0.00908237	0.124371	-0.03496415	-0.02464417	0.02894126	-0.08243676	0.08243676
CLTC	0.04863082	0.07269912	0.0819846	0.03595772	-0.00234428	0.08658027	-0.1038921	0.1038921
SOWAHD	-0.082576	0.05736892	0.0766646	-0.08008146	0.02394315	0.00743123	0.00330355	-0.00330355
CYB5A	0.03540821	0.1090088	-0.04894511	-0.06167167	-0.04257261	-0.1206711	-0.205332	0.205332
DCUN1D4	-0.0112548	0.01566337	0.1942451	0.02827256	-0.06768491	0.02429896	0.00538	-0.00538
RAB8A	-0.06750306	0.0869556	0.1420881	0.02193345	0.08686402	0.0507884	-0.1184567	0.1184567
B3GNT8	0.05109178	0.06866149	-0.1565286	-0.07176004	0.01514012	-0.07307118	-0.0695215	0.0695215
CMKLR1	0.0404595	-0.1408328	0.1576428	0.1046598	0.00228623	0.08343867	0.1369599	-0.1369599
BOD1	0.06091392	-0.05456144	0.05804422	0.08427674	0.07656015	0.1250478	0.02280442	-0.02280442
CYSTM1	-0.02243759	-0.08404016	-0.1341128	-0.01386337	-0.05323127	-0.04570905	-0.1982797	0.1982797
NBR1	0.0298794	0.05510401	0.1585304	0.06288115	0.08860441	0.104686	-0.07558626	0.07558626
TMEM41B	0.0034109	0.07617917	0.1624583	0.05706504	-0.04870586	0.1335135	-0.22357	0.22357
RIOK1	-0.05368498	0.09292085	0.09037455	0.02280198	0.00474771	0.07759181	-0.2123819	0.2123819
PPID	-0.0857694	0.09549307	0.06602939	0.03050241	0.01070137	0.03836707	-0.1976377	0.1976377
C1orf43	0.00921799	0.02084208	-0.0778439	-0.0038798	-0.01020849	-0.01830313	-0.162653	0.162653
CYB5RL	0.1480587	0.01885656	-0.01380367	0.01114781	0.04866326	0.01606528	-0.03897871	0.03897871
SESN3	-0.00716788	-0.1380103	0.1318631	0.09331093	0.04385985	0.02988309	0.2706584	-0.2706584
CCDC149	-0.00143849	-0.06287994	0.05558199	0.02539752	-0.03092339	-0.01828896	0.232678	-0.232678
SNX1	0.02818839	-0.06622235	0.07109791	0.04319333	0.03111615	-0.00305358	0.1900224	-0.1900224
PCSK6	0.05025469	0.03445763	0.03468133	0.05778455	0.06858665	0.09770164	-0.1796373	0.1796373
B3GALT2	-0.02187894	0.01781182	0.00093335	0.00254906	-0.03270043	-0.00744232	0.06111217	-0.06111217
MAP7D3	-0.07276468	-0.1174917	0.1641379	0.1582417	0.02987478	0.1072669	0.3994185	-0.3994185
TGDS	-0.01938638	0.118706	0.1053326	0.01615452	-0.002773	0.03656734	-0.2859722	0.2859722
RNF168	-0.02277889	-0.04922797	0.1333957	0.0585832	-0.01195526	0.0886696	-0.03657188	0.03657188
FCRL6	0.03655799	0.04599188	0.1555242	0.0550971	0.04151712	0.06416195	0.1427566	-0.1427566
TFCP2	0.02215409	-0.04606902	0.1099753	0.05314208	0.01013291	0.1411034	-0.1002324	0.1002324
ZBTB39	0.04874728	-0.00883462	0.09668741	0.03458084	-0.00442754	0.1232157	-0.02648363	0.02648363
KIAA1671	0.03330034	0.06013763	0.0557985	-0.01415521	0.04639889	0.07243748	-0.1264204	0.1264204
SFMBT1	-0.04070448	0.07573294	0.04748192	0.00177378	-0.00881649	0.03618604	-0.2553311	0.2553311
PSAT1	-0.04957265	0.07110508	0.09939806	-0.05269151	-0.0193913	0.03495567	-0.1880432	0.1880432
KMT2B	0.06785736	0.0385024	0.00422451	0.03913075	0.05718438	0.08890698	-0.09390779	0.09390779
ROBO3	-0.05445535	0.1409837	-0.06185363	-0.04372945	0.02674481	-0.02693585	0.0549716	-0.0549716
MTCH2	-0.01840743	0.1152531	0.0073427	-0.03750769	-0.03783275	0.03528413	-0.2638748	0.2638748
RAB3IP	0.02960246	0.02068989	0.01003843	0.0525036	-0.01387208	0.1232283	-0.01163403	0.01163403
SMIM19	-0.04220758	-0.05731731	0.02306092	-0.02860295	-0.024052	-0.04620807	-0.0626433	0.0626433
SNX33	0.07472114	-0.05787432	0.02434247	0.09082232	0.00491277	0.05488936	0.1094162	-0.1094162
LRRC75B	0.02753859	0.03211582	-0.02281768	-0.01337211	0.01097353	0.00369622	0.03040358	-0.03040358
CDH2	-0.07427962	-0.02913153	0.04147204	-0.06416796	-0.02386485	-0.04038622	0.0529511	-0.0529511
SINHCAF	0.00334168	0.07294731	0.0269981	0.05210178	0.1261028	0.06227855	-0.1080766	0.1080766
ZNF619	-0.05918612	0.01642493	0.07607366	0.00609637	-0.00998786	0.07414895	-0.04332522	0.04332522
HIST1H2AD	-0.06306982	-0.04658431	-0.07833698	-0.01244488	-0.05378964	0.00876933	-0.03460007	0.03460007
PYCARD	-0.00797533	0.05527692	0.00565573	-0.01984744	0.0624724	-0.02893629	0.03536466	-0.03536466
IPO9	0.03877393	0.0011948	0.01038067	0.02336895	0.03687193	0.0352782	-0.1187208	0.1187208
C1orf174	-0.02722769	0.07712032	0.07847917	-0.00840528	0.06871831	0.02440651	-0.1722846	0.1722846
ARIH1	-0.02053773	-0.07995778	0.1028505	-0.03962456	-0.01242712	0.06404377	-0.0514383	0.0514383
RILPL1	-0.0461494	-0.1420475	0.09361504	0.02565863	0.03249022	0.05776213	0.4679103	-0.4679103
ADGRE2	0.01497781	0.1018131	0.1621771	0.08987765	0.06584581	0.03657721	0.0972006	-0.0972006
FANCL	0.00640628	0.1179699	0.1360494	0.02089354	0.00662202	0.07847495	-0.1111595	0.1111595
CAMKMT	0.04185188	0.1275215	-0.00488985	-0.05082225	0.03051616	-0.0386016	-0.2904415	0.2904415

MTX1	-0.06734863	0.0387437	-0.1080656	-0.05983897	0.01991835	-0.05638201	-0.06713818	0.06713818
GART	-0.02211117	0.0351806	0.08383956	0.00598184	0.04707041	0.08489963	-0.2192103	0.2192103
NCR1	-0.03819081	0.01431866	0.1417878	-0.01990069	0.01294952	0.03288359	0.1039325	-0.1039325
PHYH	-0.00134089	-0.03633075	0.1021503	0.01964521	-0.03156029	-0.03946806	-0.06343377	0.06343377
CCM2L	0.02472131	-0.07612048	0.0460823	-0.00407765	-0.00575679	-0.00294639	0.1235868	-0.1235868
SHANK3	0.030969	0.02551964	0.09622945	0.07980602	0.09930515	0.1049777	0.3043774	-0.3043774
SRGAP3	0.03565708	-0.01080009	-0.07123932	0.01454143	-0.00501746	0.00646609	-0.01043128	0.01043128
MXRA8	0.01838843	-0.1259902	0.09340939	0.00540446	-0.02690962	0.02777282	0.446763	-0.446763
CARMIL3	-0.06347496	0.09342881	0.02417588	-0.00730247	-0.02154383	-0.01591852	-0.0064923	0.0064923
BTBD2	0.0591301	-0.01844675	-0.00167165	-0.06340627	-0.00910293	0.00490645	0.014658	-0.014658
PPP1R36	0.01629211	-0.01445113	0.01424353	0.03010282	0.135322	0.01902453	-0.1798991	0.1798991
ATP2C1	0.06702319	0.09082258	0.1561897	0.1046302	0.04571624	0.09502848	-0.1719422	0.1719422
CSF2	0.0709854	0.1383931	-0.06254977	0.00052956	0.02743354	0.03131513	0.04399045	-0.04399045
RASGRP4	0.1006677	-0.04450178	0.06874958	0.0497465	-0.01665142	0.00603301	0.3259476	-0.3259476
SP5	0.09853366	0.08441791	-0.05234269	-0.1073963	-0.06064554	-0.07607205	0.0231097	-0.0231097
EID2B	-0.00126845	-0.1851579	0.08960011	0.00594553	0.04503671	-0.00737729	0.3471789	-0.3471789
MAPK3	0.00474113	0.01734529	-0.1468226	-0.06658514	0.04222727	-0.07007472	-0.01653988	0.01653988
RGP1	-0.01332483	-0.00862703	-0.02034507	-0.00419537	0.02367418	0.1025525	-0.04627311	0.04627311
OLFM2	-0.1230801	-0.00254724	-0.05288629	-0.027322	0.01049748	0.00528432	0.1218184	-0.1218184
CHDH	0.07067369	0.05925854	-0.0358344	-0.08883693	0.06347878	-0.04291658	-0.2155714	0.2155714
BAHD1	0.01032915	-0.06620253	0.07328788	-0.01416417	0.02974368	0.05794497	0.00871966	-0.00871966
SMCR8	0.00065662	0.03920633	0.08931988	0.01381705	0.01818564	0.04710447	0.01137978	-0.01137978
PIM2	-0.00174805	0.09310136	0.1110312	0.1053936	0.07636563	0.1340854	0.08619946	-0.08619946
CCN4	0.01150589	0.0178431	0.0593823	0.0288513	-0.0312225	0.01227466	0.3738284	-0.3738284
REL	-0.00498446	0.02999309	0.05783674	0.05003648	0.0071195	0.01442121	-0.06656373	0.06656373
RAPGEF1	0.01137653	-0.00146903	0.1442033	0.06053437	0.05136532	0.1129029	0.1489693	-0.1489693
LYRM4	-0.00337195	-0.076031	0.03132475	0.00774407	-0.0157535	0.01859338	0.08255942	-0.08255942
CEP78	-0.07232847	0.02681332	0.1277175	-0.04075293	-0.01722018	0.06901729	-0.1647084	0.1647084
CCDC88B	0.02185488	0.07129572	0.0115424	-0.00271931	0.038584	0.02864801	0.00990693	-0.00990693
RPS2	-0.05679952	0.00428783	-0.00677264	-0.03786914	-0.03697899	0.01303357	-0.05122433	0.05122433
MARK3	0.02124545	0.05685713	0.08132561	0.08928062	0.00812856	0.1018006	-0.1290984	0.1290984
ZNF224	-0.02480027	-0.02477999	0.09184409	-0.02664329	-0.00480103	0.03884176	-0.0866848	0.0866848
ECEL1	-0.00829206	-0.02693392	0.00968247	0.01667386	-0.02184613	0.05279323	0.09300395	-0.09300395
MORN1	0.04734323	-0.06435425	0.09010995	0.04999992	0.03788803	0.1502558	-0.0107939	0.0107939
CBX3	0.01078729	0.07366243	0.1260434	0.05036151	-0.0007475	0.09115307	-0.2680688	0.2680688
OST4	-0.03918838	-0.04164203	-0.147193	-0.09434966	-0.00369718	-0.04229154	0.173962	-0.173962
TWISTNB	0.04293304	0.05395624	0.1934494	0.0464471	0.07301024	0.1045362	-0.1119647	0.1119647
KHNYN	0.05858583	0.04110184	0.00922909	0.04885756	0.02977361	0.1133274	-0.178222	0.178222
TMPRSS2	0.03519019	0.01948713	-0.04431476	-0.03375835	0.04472206	-0.00876586	-0.2073284	0.2073284
NRBF2	-0.06067325	0.09672908	0.103252	0.05260458	-0.04071354	0.03989602	-0.00889436	0.00889436
TKFC	0.05415733	0.1125152	-0.0062124	-0.0120986	0.00510902	0.04648502	-0.2066032	0.2066032
PLLP	0.05872324	-0.02174428	0.01366945	-0.02004194	0.00148236	0.00816526	-0.2319769	0.2319769
CNN3	0.04886903	-0.1035543	0.09378778	-0.03423545	0.00525265	-0.07460242	0.411673	-0.411673
CD2BP2	0.06202886	0.02599525	0.01939291	0.05529893	0.06577865	0.03956048	0.06772465	-0.06772465
LEFTY1	-0.05143309	-0.00217405	0.07814016	0.06481434	-0.00019386	0.06305086	-0.09160678	0.09160678
FOLR2	0.007602	-0.09501411	0.09115937	0.08918273	0.02720648	-0.05154383	0.2538782	-0.2538782
SH2D4A	-0.02763295	0.01395757	-0.08136344	-0.04115562	-0.08613067	-0.0482667	-0.1961485	0.1961485
NR0B2	-0.00658915	0.0230116	-0.07270129	-0.02603692	-0.1114957	-0.09026204	-0.1170144	0.1170144
ARMCX4	0.1126282	-0.0894782	0.04860575	0.06317917	0.06169553	0.03286901	0.2797306	-0.2797306
LIN9	-0.09967011	0.03779855	0.1381159	-0.00481556	-0.02025504	0.06541309	-0.2580895	0.2580895
NDUFB11	0.00040589	-0.03505797	-0.1266057	-0.0721374	-0.02941443	-0.01034248	-0.0101564	0.0101564
ODC1	0.02209438	0.1075345	-0.06855527	0.04440783	0.01275091	0.02387858	-0.1884924	0.1884924
DOCK1	0.0705173	0.0213787	0.1198353	0.01049711	0.00647048	0.05277869	0.09036289	-0.09036289
NCF2	0.0052743	0.03795805	0.1316212	-0.00385515	0.03943275	0.00718217	0.1410415	-0.1410415
SLC38A1	-0.02036088	0.00883002	0.09870507	0.06692957	0.02068913	0.08604372	0.01424101	-0.01424101
PTPRS	-0.07823163	-0.180249	0.07543011	0.0969611	-0.01968267	0.1264756	0.2474742	-0.2474742
JMJD4	0.05872702	-0.03215881	-0.04397572	-0.006244	0.04455884	0.02398702	-0.03561082	0.03561082
SOX7	0.05579071	-0.03369051	-0.0130654	-0.08740248	-0.00653629	-0.0422665	0.1200874	-0.1200874
GCFC2	-0.06210159	0.07508122	0.1522808	0.06779171	0.00187782	0.07928978	-0.04236609	0.04236609
GALK2	0.01733839	0.101361	0.04276017	0.0648075	0.03397662	0.03781418	-0.243849	0.243849
INTS10	-0.0350836	0.07574349	-0.04694392	-0.09317686	-0.09377146	-0.1202114	-0.1202916	0.1202916

DNAJC3	0.05846422	0.04976839	0.13104	0.1157139	-0.00876894	0.1100921	-0.1843047	0.1843047
SLC52A2	-0.07822171	0.1945539	-0.06129063	-0.0584309	-0.04718802	-0.01781149	-0.1974193	0.1974193
PTGR2	0.04115797	0.04774353	0.0258499	0.0555748	0.06287345	0.04695518	-0.1828698	0.1828698
CHRNA1	-0.04653053	0.0844171	-0.07617325	-0.02952858	-0.01135287	-0.01065556	-0.00334145	0.00334145
MGAT3	-0.04765544	0.00513172	0.01549895	0.00077025	0.09782524	0.0914215	-0.1101372	0.1101372
NBAS	0.05299049	0.05198162	0.04096134	0.05511181	-0.00289512	0.06093953	-0.06216786	0.06216786
GLOD4	-0.08411684	0.1912287	0.03488754	-0.0475314	-0.03957208	-0.0144453	-0.2748797	0.2748797
ATP2B1	-0.04823416	-0.01212687	0.09777565	0.1224852	0.00801938	0.1312701	-0.1270078	0.1270078
TOX2	0.04422214	-0.06643098	0.04310417	0.1060836	-0.02220992	0.06290684	0.1760981	-0.1760981
SLC22A18AS	-0.00511922	0.04887679	0.04389579	0.02743845	0.02261659	0.05517859	-0.1490094	0.1490094
BAG3	-0.08911315	-0.0370379	-0.06253463	-0.03783746	-0.03128474	-0.00940448	0.1493489	-0.1493489
KRBOX4	0.0670847	0.01468615	0.03348691	0.08989187	0.00411927	0.1015768	-0.01910106	0.01910106
MICAL1	0.05992017	0.1076461	0.1119554	0.09508444	0.01297306	0.1028877	-0.09782787	0.09782787
ESRP1	-0.00029826	0.1029214	-0.02480145	0.03071213	-0.08035741	0.02898066	-0.360734	0.360734
EHD2	-0.04996039	-0.1106284	0.1103917	0.0509277	0.0548301	0.01888822	0.5123327	-0.5123327
SNX21	0.00913247	-0.07754977	0.0249334	-0.0495371	-0.01950418	-0.00706039	0.1716096	-0.1716096
ATP13A3	0.04437706	0.01905808	0.1463682	0.0873129	-0.04375962	0.08167668	-0.1857327	0.1857327
HOMEZ	-0.03942771	0.01665868	-0.02596035	-0.06903554	0.05251936	0.0544398	-0.1317562	0.1317562
CHD9	0.09113646	-0.04323051	0.1669366	0.1222053	0.07329495	0.09140021	0.07175219	-0.07175219
H3F3C	-0.0802773	-0.07476831	-0.05085801	-0.1004307	0.04389295	-0.04194227	0.1272912	-0.1272912
CDAN1	0.05705102	-0.01035407	0.07192306	0.00292738	-0.02094477	0.04719239	-0.1058621	0.1058621
ATP6V1E2	-0.03459558	0.04843152	-0.01089275	-0.01071503	0.04862644	-0.07414393	-0.0989563	0.0989563
BCL7B	-0.02720539	0.00028836	-0.0690835	-0.05753021	0.04511134	-0.04251232	0.1412848	-0.1412848
EDN3	-0.03090611	0.04278385	0.03768152	-0.03825698	0.01178742	0.01655961	-0.128518	0.128518
NCOA4	0.00573007	-0.03798357	0.1317187	0.09412854	-0.00779613	0.08449828	-0.04847149	0.04847149
SEM1	0.00673062	-0.02198938	0.00730615	0.04543804	-0.0487463	0.01548397	-0.05346486	0.05346486
PABPC4L	0.02211674	-0.1759265	0.1405964	0.06300591	0.05687102	-0.0582525	0.4220788	-0.4220788
TMC5	0.07274632	0.1304288	-0.01736056	7.03E-05	0.03840393	0.00556458	-0.2213694	0.2213694
PRSS21	-0.1151555	0.0390126	-0.00172518	0.0555059	0.1128865	0.06728254	-0.0479113	0.0479113
COG3	0.1141514	0.1478533	0.0545481	0.08230699	-0.0187778	0.1100616	-0.2434466	0.2434466
GASK1A	0.00080598	-0.1539085	0.1218136	0.1121132	-0.00500574	0.04979151	0.4146119	-0.4146119
PDIA4	-0.03503498	0.1159649	0.05381921	0.05799252	0.03238791	0.00602316	-0.2137567	0.2137567
BCAS4	-0.08294133	-0.02125545	0.00751067	-0.01224947	-0.03537358	0.03016844	0.02830778	-0.02830778
PDE2A	0.00158709	-0.1204219	0.08768263	0.0295408	0.01599058	-0.01493115	0.3428264	-0.3428264
MLLT1	-0.00236322	-0.07136551	0.07062009	-0.01784675	0.0425029	0.04726527	0.1561067	-0.1561067
NFATC2IP	0.06733888	0.1014646	0.1352763	0.1214098	0.1044184	0.1033215	-0.122916	0.122916
NOTCH1	0.07818258	0.04106148	-0.00118208	-0.03877	0.03867095	0.03511009	0.08830173	-0.08830173
ZNF230	-0.06097638	-0.1008885	0.1039609	-0.03502772	0.00232744	0.05194034	-0.01802162	0.01802162
SHLD3	-0.03008602	0.02864386	0.1721714	0.0944023	-0.05802729	0.1230544	-0.1701229	0.1701229
ABTB2	0.00425672	0.03813268	0.05667609	0.01165007	0.06526866	0.0840696	0.01622293	-0.01622293
GRP	-0.04862607	-0.02671113	0.0381635	0.02032167	-0.01118902	0.05249711	0.339542	-0.339542
FGF18	-0.02692585	-0.08899449	0.04190181	0.02911558	-0.00108501	0.082002	0.09691102	-0.09691102
MYOM1	-0.0426573	-0.1074435	0.04428355	0.05853446	-0.02394353	0.01513035	0.1893779	-0.1893779
ZNF446	0.04031656	-0.05145307	-0.00372398	0.01753348	0.01912958	0.01667104	0.06873531	-0.06873531
CTNBL1	0.06741538	0.01666972	0.08321684	0.07014591	0.03294855	0.09374018	-0.1113735	0.1113735
LCMT1	0.0173643	0.0848439	-0.02570277	0.01973713	0.1353881	-0.0103965	-0.01870793	0.01870793
GPN3	-0.07450207	-0.03032048	0.04492454	-0.06557554	-0.0200131	0.03581346	-0.05972985	0.05972985
VAV3	0.01492186	0.03100213	0.01721652	-0.02512455	0.07109344	0.02039917	-0.1172014	0.1172014
PUM1	0.02590716	0.01078402	0.1022957	0.05848002	0.02020542	0.1033444	-0.09157699	0.09157699
YBEY	0.00588935	-0.02766984	0.00826011	-0.07922807	-0.0261337	-0.0191013	0.00250618	-0.00250618
ADGRG3	0.05995165	0.1056282	-0.03092977	-0.01892979	-0.03874364	-0.07707499	0.0974391	-0.0974391
KLHDC3	0.05086338	0.08908137	-0.1002128	-0.06675675	-0.04624519	-0.09660736	-0.05846451	0.05846451
FBXW11	0.01931606	0.0316241	0.09531999	0.07878696	0.06676736	0.1009001	0.01191492	-0.01191492
GM2A	0.02057124	-0.05842276	0.1388372	0.02924661	0.01957303	0.06284633	0.1545845	-0.1545845
FERMT2	-0.04075761	-0.1516031	0.1264805	0.04142867	0.01434478	-0.03877202	0.4455198	-0.4455198
MVB12B	0.02785298	0.0606067	0.01172927	-0.08112584	-0.0257826	-0.03896508	0.1019583	-0.1019583
JAM3	-0.01989351	-0.1887038	0.1702029	0.07397917	0.01539648	0.02939492	0.490563	-0.490563
FADS2	0.04677828	-0.00185424	-0.03796593	0.0372538	0.06146787	0.09626858	0.1162168	-0.1162168
CNGA1	0.1474748	0.02870664	-0.0961073	-0.1090887	0.09718096	-0.07763779	-0.03334092	0.03334092
SDR39U1	0.02830098	-0.07695554	-0.06794941	-0.0247152	-0.02707791	0.04114715	0.03353333	-0.03353333
ZNF790	0.01214445	-0.01215772	0.1258314	0.00719886	0.06345462	-0.00912017	0.02203109	-0.02203109

PRKAG1	0.01339393	0.00815308	0.05695267	0.01590938	-0.0350439	0.04587701	-0.086755	0.086755
PPP1R12B	-0.04066281	-0.1493908	0.1056151	0.0297899	0.00824764	-0.03186665	0.3237714	-0.3237714
ITGA4	0.00748646	0.04141301	0.2193716	0.1249446	0.05883989	0.1005723	0.1380258	-0.1380258
USP36	0.03844542	0.05382654	0.00143714	0.04261035	0.07562194	0.06995216	-0.0743029	0.0743029
RBM47	-0.01761579	0.07150862	0.03044265	0.04971252	-0.05505504	0.07259278	-0.3975739	0.3975739
COL1A1	0.03236854	-0.01860471	0.07945023	0.00357189	-0.02905946	0.03966301	0.5634011	-0.5634011
FKBP3	-0.1042622	0.01658981	0.1406672	0.00217332	0.04830609	0.09566661	-0.1144811	0.1144811
PLCB2	-0.00429932	-0.00938908	0.2151013	0.1127007	0.06238485	0.107087	0.1744494	-0.1744494
CACUL1	0.04923652	0.01695114	0.07127246	0.00327429	0.00472527	0.05581659	-0.1223305	0.1223305
STAG3	-0.03203128	0.03950554	0.04479012	0.01645198	-0.03708183	0.0114429	-0.02947438	0.02947438
TLCD4	0.01575177	-0.03908036	0.08183818	0.01740315	-0.02640235	0.03310851	-0.0032905	0.0032905
RIOX2	-0.098489	0.0411562	0.1373038	0.1069332	0.03671365	0.1341666	-0.1272374	0.1272374
DCDC2	0.08739387	-0.06815528	0.08414732	0.02629247	0.08951696	0.1177551	-0.06107241	0.06107241
ESS2	-0.02964855	0.01235319	-0.04332762	-0.0992119	0.01712813	-0.00074982	0.07658707	-0.07658707
TEX2	0.03008383	-0.03697888	-0.00649353	-0.02640285	0.04503351	-0.00171142	-0.04347469	0.04347469
YPEL2	0.03723268	-0.00420177	0.1378824	0.1044113	0.02474695	0.1078994	0.1282313	-0.1282313
REG3A	0.03265139	-0.00891996	-0.1719744	-0.124837	-0.0599625	-0.1094084	-0.098705	0.098705
SNRPF	-0.05811116	-0.00182385	0.01527236	-0.00290033	-0.01940067	0.05630828	-0.1428066	0.1428066
FCN1	0.08889327	0.03074952	0.075619	0.03441298	-0.01425764	-0.1264502	0.2291143	-0.2291143
TENT5A	-0.01592783	-0.00724143	0.09031189	0.1418158	-0.03800974	0.08863123	-0.07395686	0.07395686
LDHB	-0.03936519	0.03607381	0.1425575	0.09935399	0.0097883	0.1006575	-0.07544487	0.07544487
TDRD3	0.07743549	0.04069203	0.1497385	0.00584924	-0.02266686	0.04151024	-0.1159799	0.1159799
SIGLEC14	0.06155394	-0.03304769	0.04668343	0.07097116	0.03373425	-0.06346116	0.2873632	-0.2873632
AP1S2	0.01241289	-0.1955561	0.07727746	0.04090432	-0.01581839	0.00347246	0.1783935	-0.1783935
CYP2J2	0.1209787	0.1596321	-0.05110792	-0.05493471	0.03794036	-0.05438327	-0.1892533	0.1892533
NR1H3	0.04360282	0.00658945	0.06083665	0.03219191	0.02467103	0.04315887	-0.06796485	0.06796485
DCAF8	0.03611346	0.00427248	0.06581692	0.07290513	0.08980782	0.03798003	0.00741054	-0.00741054
SARAF	-0.07188693	-0.00774277	0.01175305	0.03087104	-0.08789011	-0.06043607	-0.05963828	0.05963828
MARF1	0.00471421	-0.02865276	0.1738706	0.1288991	0.09858037	0.09226265	0.1350179	-0.1350179
OMD	-0.01708677	-0.2197596	0.1434934	0.06463797	-0.00263377	0.01422454	0.464452	-0.464452
ZNF669	0.01196101	0.0132255	0.05355178	-0.01085437	0.05127713	0.0180611	-0.02461609	0.02461609
CENPM	-0.05025906	0.1293086	-0.07276345	-0.119228	-0.01738997	-0.05063215	-0.2348954	0.2348954
CHP1	0.01575261	0.0416563	0.0903465	0.02341038	-0.03192336	0.06270608	-0.2841414	0.2841414
NUP62CL	0.03798445	0.05491351	0.04235203	-0.07423849	0.02891008	0.09580305	-0.09431206	0.09431206
WDR4	-0.0145976	0.0342236	0.03099737	-0.03238254	0.05536348	0.05967392	-0.09216562	0.09216562
ZC3H14	-0.01133497	0.02016739	0.1148965	0.05719064	0.03790962	0.1108141	-0.1483302	0.1483302
MICU1	-0.03378073	0.04987311	0.02657627	0.00465543	-0.05126946	0.04962984	-0.07619261	0.07619261
SLC35G1	0.00278147	0.02687842	0.00826103	0.05920611	-0.01670013	0.01800394	-0.1845856	0.1845856
IL1R2	-0.1034781	-0.04162975	0.01830779	0.07041635	-0.02905157	-0.02901486	-0.04114443	0.04114443
RETREG1	0.06024323	0.1074439	-0.01501627	-0.0326185	0.02649022	0.01125023	-0.03034705	0.03034705
EPAS1	0.04383558	0.00963988	0.07893784	0.1254433	0.01251565	0.05234358	0.236106	-0.236106
IER3IP1	-0.05327848	0.1392682	0.1706059	0.07748011	-0.04126681	0.05768259	-0.1776587	0.1776587
TMEM254	0.03697366	-0.06111325	-0.018314	0.04295846	0.02737964	-0.04346356	-0.08759728	0.08759728
CACNA1A	0.05420778	-0.09969387	-0.121297	0.05997841	0.05601439	-0.02420558	0.02759621	-0.02759621
NBPF11	0.1135032	0.08835978	0.02915145	0.0777056	0.1219423	0.02713319	-0.06827927	0.06827927
SPAG5	-0.02022128	0.09185471	0.00273529	0.03751154	0.04477205	0.08156645	-0.2853822	0.2853822
TOMM70	-0.01933974	0.01182228	0.1230042	0.03774591	-0.02027036	0.1307235	-0.2272583	0.2272583
LAMA5	0.06606813	-0.03038669	0.1117	0.08630604	0.02684817	0.1334747	0.05037339	-0.05037339
PPP6R2	0.0730411	0.02366905	0.02048853	0.03371927	0.08404999	0.02546069	-0.04075922	0.04075922
ZNF653	-0.01116553	-0.03993673	-0.01410571	-0.1052608	-0.00304808	-0.0293989	-0.05993388	0.05993388
PFDN5	0.02489867	-0.1696105	0.1193889	0.03712571	-0.01305973	0.06993717	0.229961	-0.229961
ARL14	-0.05692901	0.01099367	-0.02925039	0.1364032	0.00823906	0.00779356	-0.1607601	0.1607601
IVNS1ABP	0.08768806	0.02373511	-0.00593686	0.02974414	-0.01092217	0.03426223	-0.2100653	0.2100653
KCTD9	-0.09694769	0.0742033	0.02071821	-0.02901462	-0.08101339	-0.1068225	-0.09997344	0.09997344
GRK3	-0.03604367	-0.06131664	0.1299583	0.05668166	0.05571765	0.09477225	0.07988799	-0.07988799
ZBTB5	-0.06423778	0.04012695	-0.02435959	0.01223862	-0.04572857	0.07964108	-0.1347309	0.1347309
ITPRIPL2	-0.04256971	-0.07320854	0.2183683	0.09666157	0.01803049	0.1857504	0.1381986	-0.1381986
RGS9	-0.05210965	-0.098604	0.07868762	0.0194294	-0.00505802	0.01255815	0.2954458	-0.2954458
RCN1	0.1140985	0.01606271	0.07502743	0.05209562	0.00481631	0.06203761	0.01436434	-0.01436434
PCDHB6	0.06838174	0.02324663	0.02916164	0.04955227	-0.01601619	-0.003648	0.03407515	-0.03407515
CSMD2	0.00105016	-0.04466506	0.01532835	0.03377314	-0.04076722	-0.00191295	0.2438498	-0.2438498

CACNA1C	-0.0636498	-0.1633232	0.1247494	0.02112396	0.01510817	-0.00472609	0.3295276	-0.3295276
LRIG2	0.0634517	-0.05094746	0.1174454	0.1155626	0.03632886	0.09669842	-0.00807435	0.00807435
AGAP9	0.08144826	0.0553667	0.037687	0.04770691	0.07219605	-0.00952274	0.00984244	-0.00984244
ATXN1L	0.0385913	-0.0253895	0.1064967	0.08126139	0.1076602	0.0946224	0.05927984	-0.05927984
BMPR1B	0.06946369	-0.01058235	0.06088671	0.1025604	-0.02331282	0.06561633	0.1565154	-0.1565154
ACO11005.1	-0.07233428	-0.0122549	-0.126962	-0.133477	0.00979289	-0.1077115	0.06882141	-0.06882141
SPATA2L	-0.08949881	0.1610216	-0.07897644	-0.07348823	-0.01889892	-0.1153078	-0.1044215	0.1044215
GNAI2	-0.0244169	-0.08041955	0.110735	0.03565625	0.00523614	0.02171587	0.4801544	-0.4801544
KANSL1	0.05222655	-0.03779234	0.08723777	0.05312013	0.06695511	0.0973034	0.0342782	-0.0342782
KIF22	-0.04189928	0.09048902	-0.02998596	-0.01238134	0.05546543	0.01996687	-0.2355782	0.2355782
HR	-0.03173671	0.00028475	-0.1033862	-0.0735927	-0.07624292	-0.110356	-0.1114491	0.1114491
WDR26	0.04936093	-0.01382311	0.08984429	0.07349868	0.04329772	0.06741835	0.01512478	-0.01512478
ANKRD29	0.03303378	-0.09731404	0.102184	0.02377728	0.03477999	-0.00817797	0.184394	-0.184394
RTN4IP1	-0.07066461	-0.08839702	0.07830762	-0.047845	-0.0171037	0.04257721	-0.07618297	0.07618297
ZSCAN9	0.01120796	0.06057414	0.09968885	0.06025634	0.07122372	0.0918963	-0.01420857	0.01420857
TTL11	-0.07329925	-0.1410619	0.1117868	0.00983449	0.00168528	0.03794152	0.2956414	-0.2956414
ATP6V0B	0.06137202	0.06605064	-0.1155521	-0.03803064	-0.07285136	-0.01024588	-0.1609864	0.1609864
KIZ	-0.00139493	0.07981539	-0.00615444	-0.00982304	-0.07496977	-0.01754051	-0.05744185	0.05744185
GRK2	0.06170733	0.1350177	0.1015249	0.06680442	-0.02372903	0.07777916	-0.07347217	0.07347217
GATD1	0.06011299	-0.00435517	0.1532895	0.03996757	0.03690228	0.1269441	0.02257954	-0.02257954
MEPCE	0.04292113	-0.04006409	-0.02233755	0.01166802	0.00701361	0.0140252	-0.04149239	0.04149239
TMEM156	-0.07375302	-0.05299789	0.07490085	0.06459974	0.00614482	0.0713783	0.05668578	-0.05668578
GSK3A	-0.06284159	0.00526886	-0.08877765	-0.04231325	-0.00709867	-0.0176807	-0.05564079	0.05564079
YIPF5	-0.00773633	0.01454918	0.1311177	0.08974041	-0.0246472	0.06354129	0.09209478	-0.09209478
ATP5MG	-0.1064332	-0.03024419	0.04543375	0.01901428	-0.07817278	0.0659876	-0.1451338	0.1451338
MEX3A	0.03490243	-0.00797429	-0.02156827	0.01515223	-0.01886895	0.00766804	0.04124165	-0.04124165
BBS12	-0.00710122	0.03561181	0.0597691	0.06342071	0.05747259	0.01643938	0.1101208	-0.1101208
CUL4A	0.04787283	0.08959285	0.1135708	0.03596001	0.00867709	0.1001737	-0.1695984	0.1695984
DDX1	0.03532795	0.06017982	0.04423414	0.05374334	-0.0226782	0.06420762	-0.1121252	0.1121252
BCL2L13	-0.03365801	-0.02555439	0.01375081	-0.04238746	0.04680768	0.02231654	0.02848182	-0.02848182
ICAM5	-0.1597908	0.1107533	0.05194908	0.02462051	0.01772251	0.05978441	-0.01746234	0.01746234
PJVK	0.06395926	-0.04175481	-0.06771857	-0.00097141	0.02855441	-0.05769127	0.05687761	-0.05687761
SESN1	0.0876381	-0.0668751	0.1252045	0.081643	-0.01167936	0.08982331	-0.07143937	0.07143937
PHETA1	0.05643565	0.01598341	-0.09490455	-0.07942069	-0.03230183	-0.05882768	-0.2360082	0.2360082
TMSB10	-0.08642992	0.07770713	0.05134221	-0.0176136	0.00478886	0.05880618	0.07951184	-0.07951184
TMEM39A	0.05401104	0.1022512	0.04828278	0.07970941	-0.04009618	0.07754508	-0.06679702	0.06679702
RBBP7	-0.1589169	0.06312983	0.07903095	-0.03420697	-0.00379692	0.03035278	-0.088145	0.088145
LILRB4	-0.01698778	0.03264351	0.1309663	0.00716542	-0.02300742	0.02047376	0.1710573	-0.1710573
TPSB2	0.08637902	-0.2249496	-0.01553291	-0.00550304	-0.05618467	-0.01520353	0.2563998	-0.2563998
ARAF	0.1311682	-0.01471492	-0.01456554	-0.00347432	0.03812908	0.0851758	-0.00163362	0.00163362
GET3	0.00403254	0.04139599	-0.04043883	-0.1180305	-0.01596914	-0.05514493	0.06188661	-0.06188661
ZNF609	0.08241364	-0.02234675	0.09771134	0.00776395	0.02391431	0.07294153	0.01623208	-0.01623208
FA2H	0.04176713	0.03278834	-0.0011388	0.00552452	0.01276041	0.03498372	-0.2212451	0.2212451
FGD6	-0.02257197	0.05805245	0.1482471	0.03541233	0.1650918	0.06706023	0.159591	-0.159591
DIO2	0.08678434	-0.1216693	0.05001642	0.06954471	-0.02652949	0.02096598	0.360523	-0.360523
SELENOO	-0.03428559	0.0041635	-0.01131189	0.00970976	0.03908972	0.06343742	-0.1371297	0.1371297
AC105052.3	0.00481741	0.01959692	0.03477236	0.0708563	0.02350525	0.09178687	0.124138	-0.124138
S1PR4	0.02016295	-0.07676972	0.07056293	-0.01061787	0.02451802	0.04147945	0.1641866	-0.1641866
FAM86B1	-0.1118038	0.04594757	-0.00789285	0.01628212	-0.03965116	-0.00663119	0.01798024	-0.01798024
ADAMDEC1	-0.00313151	0.07787795	0.1879981	0.06658846	0.03288978	0.07077168	-0.00686124	0.00686124
RNF187	0.04323405	-0.00952203	-0.05623196	-0.08831802	-0.03008395	-0.00190679	-0.03318353	0.03318353
FOXJ1	-0.03873024	-0.02531993	-0.0768251	-0.05794382	-0.04444045	0.00150251	-0.04965711	0.04965711
CCK	0.00151359	0.1047756	0.01393364	-0.04057816	-0.01393378	0.06102415	-0.0935205	0.0935205
C14orf119	-0.08755474	0.07941116	0.00244718	0.03112675	0.01393492	0.06290153	-0.0346572	0.0346572
ZDHHC3	-0.02298345	0.02449293	0.02886595	-0.02467186	-0.01622053	0.0529657	-0.2049341	0.2049341
MT-ATP8	-0.0622049	-0.04092926	0.09290996	-0.01576911	-0.03122913	-0.02009269	0.08933025	-0.08933025
PHF2	0.06459611	-0.04672661	0.1307939	0.05025627	0.01486174	0.07612708	0.132391	-0.132391
ERCC6L	-0.02943232	0.08975112	0.01408326	-0.03543327	-0.00866406	0.08156226	-0.2931805	0.2931805
TOX	-0.06466762	-0.03397372	0.02526794	0.03272869	0.04146226	0.026076	0.08601133	-0.08601133
ZDHHC11B	0.06774172	0.08079496	-0.03202237	-0.0406451	0.1098575	0.02357778	-0.1718581	0.1718581
RAB31	0.00489604	-0.06454004	0.2020184	0.07464229	0.01812707	-0.00121238	0.6136171	-0.6136171

DYNC2LI1	0.05208729	0.07317265	0.08845857	-0.00880806	0.04736422	-0.02078474	-0.2381431	0.2381431
NDUFV2	-0.1427177	0.00183995	0.0497267	-0.01354417	-0.06360676	-0.03278447	-0.04383973	0.04383973
CNOT3	-0.00436105	0.04655973	-0.0565789	0.03217712	0.00151557	0.0389525	-0.1125709	0.1125709
ANXA5	-0.00925101	0.03468909	0.06850706	0.01337671	0.06066832	-0.03451012	0.271949	-0.271949
ID1	0.05054087	0.0245424	-0.1067556	-0.00667282	-0.05111674	-0.03007653	-0.1497879	0.1497879
CNFN	0.00292582	-0.008831	-0.1464422	-0.05121262	-0.0341292	-0.05577654	-0.08021178	0.08021178
TFAM	0.03472212	-0.01298863	0.1020761	0.07842494	-0.01645928	0.1274566	-0.2141388	0.2141388
CPM	0.02434279	0.03222804	0.01037589	0.02331214	-0.02176173	-0.00080686	0.130266	-0.130266
LSM5	-0.02884078	0.05911816	0.1017965	0.04454997	-0.00140573	0.09668949	-0.2859652	0.2859652
ABHD16A	-0.01910541	0.07504118	-0.00471521	-0.06019128	-0.02220911	-0.01355902	-0.1609476	0.1609476
ACO1	-0.03223261	-0.04701398	-0.01512127	0.02886739	-0.03309404	0.05687628	-0.1246291	0.1246291
RPS27	-0.04499662	-0.1486698	0.0644163	0.05410943	-0.02480038	0.06367123	0.1551958	-0.1551958
PPP1R32	0.07624807	-0.01404557	0.02054773	0.04792864	0.03774166	0.05314754	0.05552646	-0.05552646
VIT	0.07847105	-0.1213443	0.01515964	0.04458358	-0.02038559	-0.07843647	0.1549133	-0.1549133
ZNF844	-0.01260126	-0.07582205	0.07534647	-0.00344523	-0.00204269	0.01759618	0.06977072	-0.06977072
TIGIT	-0.06272906	-0.00420136	0.1894278	0.06802894	0.01999303	0.09244648	0.1284517	-0.1284517
ENOPH1	-0.00200875	0.0967669	-0.02478772	-0.00872307	-0.02359638	0.00334681	-0.2463008	0.2463008
S100A1	0.07919096	-0.00970973	-0.1084281	-0.06201654	0.1673003	-0.1286426	-0.06044742	0.06044742
PKIG	-0.02554371	-0.1725817	0.06645817	-0.00999856	-0.02183073	-0.0237745	0.4781655	-0.4781655
DKKL1	-0.1164037	-0.00364542	-0.05015881	-0.03543039	0.01127651	-0.04334001	0.04359082	-0.04359082
PMFBP1	0.06086992	0.08214209	-0.01284191	-0.08941226	-0.02609233	-0.03751473	-0.1395914	0.1395914
PPP1R15B	0.01859945	0.0067067	0.139989	0.04514284	0.01749978	0.04726838	-0.1759986	0.1759986
NUGGC	-0.0771195	0.04800291	0.09175307	0.1099866	0.01141648	0.08723557	-0.03115099	0.03115099
SP2	0.01648475	0.06176553	0.06064079	0.04938027	0.00749377	0.1308988	-0.03551495	0.03551495
TCP1	-0.07675325	0.107047	0.07348152	0.01954407	0.01613834	0.01164449	-0.3056808	0.3056808
FBXO5	-0.08633841	0.1235713	0.03409826	0.01955961	0.01043868	0.07019302	-0.2107508	0.2107508
AP1M1	-0.02872571	-0.05362442	0.06314923	0.07536645	0.09106519	0.0304515	0.2656869	-0.2656869
CBR4	-0.01941104	0.0613569	0.03774389	0.04303638	-0.04036802	0.05781557	-0.190833	0.190833
SEN3	-0.09412526	0.07689676	0.00769909	-0.00380423	-0.05978458	0.02742239	0.00027981	-0.00027981
ZNF611	0.02769475	-0.02605186	0.1263313	0.02711121	0.02272216	0.06241596	0.07354141	-0.07354141
IQCG	-0.01495429	-0.02730855	0.02501463	0.0195112	0.04393128	0.03463537	0.08102073	-0.08102073
IMP3	-0.04978269	0.0088967	-0.03701411	0.00997959	0.01273188	0.0359855	-0.2116264	0.2116264
PSEN2	0.09815633	-0.02338692	0.03971263	-0.02492938	0.00094049	0.01455358	-0.03643647	0.03643647
LIX1L	-0.08249931	-0.1657984	0.1789254	0.07363205	0.07026677	0.05608163	0.4812225	-0.4812225
CYP2B6	-0.07854043	0.06619027	-0.0255776	0.1042571	0.00921707	0.08887504	-0.1005082	0.1005082
LMAN2	0.05618529	0.055948	-0.06481132	-0.03322945	0.05065103	-0.00563457	-0.03999685	0.03999685
PLIN2	-0.06116223	0.02059655	-0.01739261	-0.06685751	-0.00147186	-0.09019805	0.04895566	-0.04895566
SYN1	-0.06005499	-0.02185946	-0.02153053	0.01440338	-0.0315536	-0.00819446	0.1539729	-0.1539729
ATG5	-0.03806976	0.02205038	0.1268978	0.02462733	-0.01816173	0.07343895	-0.1226137	0.1226137
CHD2	0.1018462	0.05010091	0.08122798	0.1172466	0.05143911	0.1036238	-0.02916265	0.02916265
DNAJC6	-0.04245386	-0.02587638	-0.0477987	0.05395358	-0.06552453	0.07150292	-0.02326768	0.02326768
PDGFA	0.04580102	-0.01021814	0.016217	-0.00437578	-0.05180859	0.0486753	0.06630631	-0.06630631
TSPAN6	0.1464669	0.03801126	0.07708275	-0.01983462	-0.01630997	0.01446921	-0.1873188	0.1873188
HBB	0.05402278	-0.00185742	-0.01835508	0.02456537	0.1132657	-0.06737945	-0.01719491	0.01719491
TRMT2B	0.0701762	0.03425132	0.01969413	-0.01803307	0.0164131	0.01466063	-0.1299663	0.1299663
GPATCH4	-0.00858214	0.0068276	0.07769053	0.07338212	0.0826876	0.107164	-0.1912818	0.1912818
ELOVL7	0.06416337	0.03007357	0.09968956	-0.01994051	-0.02923859	0.05171662	-0.1257962	0.1257962
MTMR14	-0.105276	0.04718869	-0.01383547	-0.00964197	-0.01346407	0.03462171	-0.08626338	0.08626338
PIGN	-0.01685117	0.0936393	0.1475736	0.09220468	0.00350647	0.04118585	-0.2264229	0.2264229
MINDY3	-0.05690338	0.0879058	0.1175575	0.09979533	0.03635134	0.04270562	0.06261407	-0.06261407
CUZD1	0.1166805	0.1179943	-0.05515534	0.03331706	0.06843224	-0.00317424	-0.05350334	0.05350334
AHNAK2	-0.03828075	-0.1036322	0.04709744	0.03842552	0.06674989	0.02192276	0.3059583	-0.3059583
TM4SF18	0.03804465	-0.03385115	0.1105359	0.05949673	0.07115415	0.04703104	0.124491	-0.124491
ELK1	0.04108812	-0.01106058	0.02711829	-0.09944195	-0.00121405	-0.01066301	0.1128152	-0.1128152
UNC13D	-0.00854823	-0.05260485	0.01170486	0.1540035	0.04069338	0.1428206	0.0511083	-0.0511083
ADGRF5	0.09664796	0.03188623	0.135654	0.08835512	0.06083758	0.0750053	0.2805418	-0.2805418
SPEF2	-0.03855185	0.06970039	0.02771009	-0.02685417	-0.03237154	0.00191634	0.00965533	-0.00965533
NDEL1	-0.00690056	0.1150899	0.02472144	0.04550311	-0.05162887	0.02407765	0.07244852	-0.07244852
LLPH	-0.02291599	0.02179647	0.1110331	0.0744489	-0.04676426	0.1014812	-0.00050979	0.00050979
RPS6	-0.01821236	0.01510015	0.00272084	-0.05708319	-0.09015958	-0.03440665	-0.09636361	0.09636361
NADK	0.04976498	0.00675414	0.00439252	0.04325514	0.06195514	0.086538	-0.1807247	0.1807247

PYROXD1	-0.00482459	0.06084218	0.119471	0.09901516	-0.05366096	0.05492854	-0.1071499	0.1071499
TAF7	0.01019051	-0.0480131	0.1289151	0.03920009	0.00952995	0.1274088	0.0006178	-0.0006178
CPA3	0.0964955	-0.1707341	0.1572842	0.1293916	0.013188	-0.06392318	0.2271719	-0.2271719
WDR1	-0.02178104	0.05037897	0.01584423	0.02844515	-0.01604423	0.03104522	0.01925715	-0.01925715
CLPP	-0.118805	0.05432653	0.00439869	-0.1008255	0.00569401	-0.01179828	-0.02347476	0.02347476
CA11	-0.04806484	-0.1114488	-0.0530151	-0.01770751	0.03495999	-0.00680757	0.2723559	-0.2723559
GNMT	0.0268156	-0.07766769	-0.0712515	-0.04254344	-0.03602966	-0.06479025	-0.05964543	0.05964543
PLRG1	0.03771845	-0.1486395	0.01633132	0.04075742	-0.0048617	0.04911588	-0.05622255	0.05622255
ZFP69B	-0.07983692	0.0888272	0.07571228	-0.04692102	-0.04085619	0.02228902	-0.04140137	0.04140137
CPAMD8	0.03358915	-0.04226701	0.03679703	0.02126885	0.09239141	0.0913714	0.09173698	-0.09173698
KRR1	-0.0077063	0.07738279	0.06595407	-0.01212808	-0.02557343	0.01748779	0.05569547	-0.05569547
TRIM10	-0.00258287	0.1117206	0.01198508	0.02030816	-0.01131799	0.05347675	-0.2944866	0.2944866
JADE1	-0.0616681	-0.09219808	0.0245223	0.08015828	-0.03140901	0.05268112	0.02074148	-0.02074148
STK11	0.02198202	0.04828535	0.03495261	-0.04976484	-0.00653429	-0.00330317	-0.04017037	0.04017037
POU5F1	0.1095473	0.115187	-0.01709259	0.04482985	0.00716761	-0.06316146	-0.1262079	0.1262079
SLFN12L	-0.00741741	-0.00577023	0.1934739	0.1154439	0.07286703	0.1315934	0.1687618	-0.1687618
CD274	0.00609587	0.07744659	0.08379502	-0.00818633	-0.00688079	0.02998797	-0.00461995	0.00461995
RCS1	-0.02454001	-0.06724906	0.1292167	0.07743331	0.03297584	0.03856686	0.2067157	-0.2067157
GSTZ1	0.00428416	0.05984444	-0.1147668	-0.07091959	0.02567668	-0.0798303	-0.2248824	0.2248824
ETFA	-0.07712498	0.06056081	0.06255306	0.04072982	-0.02135167	0.06379758	-0.2584829	0.2584829
SYNGR3	-0.2189965	-0.03664072	0.02326642	-0.0848113	-0.0344813	0.02364333	0.01954826	-0.01954826
GINS4	-0.06931607	0.01733614	0.04202496	-0.04675816	-0.00059448	0.01881613	-0.2490589	0.2490589
MUC20	0.0021853	0.0764287	-0.05021322	-0.0077223	0.02770814	-0.02379215	-0.0081347	0.0081347
PCDHB9	0.01643507	0.06275407	-0.01435675	0.01434443	0.08380267	-0.04968766	0.1552105	-0.1552105
ARMC1	-0.00164435	0.03635805	0.01387857	0.00105295	-0.03418057	0.00058307	-0.158135	0.158135
ZNF484	0.01756086	-0.01908804	0.170281	0.1134991	0.01222546	0.1438444	-0.01851857	0.01851857
CCL26	0.00620911	-0.09121126	-0.07859345	-0.06241625	-0.03525667	-0.04618394	0.01812142	-0.01812142
XYLT1	0.00573851	-0.04125346	0.07437499	0.00408516	-0.01915752	0.0194733	0.1576038	-0.1576038
CNOT7	-0.1474564	0.06220769	-0.05088136	0.00352347	-0.08380551	-0.06252576	-0.09796427	0.09796427
CCR8	0.00963095	0.00569739	0.2037417	0.0263921	0.00818971	0.08759368	0.1450013	-0.1450013
IGHMBP2	0.04778036	0.04693782	0.1393388	0.05542469	0.02258532	0.09567349	0.06240265	-0.06240265
WBP2	0.03079788	-0.04635589	-0.07117862	0.00286966	-0.00815355	-0.01425914	0.1064966	-0.1064966
NEDD8	-0.06383932	0.06872185	0.00431753	0.00124973	0.03474777	0.0472396	-0.0455743	0.0455743
TRAF3IP1	-0.01261212	0.01282548	0.127295	0.00716091	0.0444973	0.06767773	-0.06579625	0.06579625
TMEM139	-0.0275656	0.07218803	0.01119728	-0.02122555	-0.01011189	0.05612326	-0.06183601	0.06183601
C10orf55	0.03051323	0.04851179	-0.07416515	0.01077399	-0.00295623	-0.03388086	0.07233173	-0.07233173
EPPK1	-0.04670521	0.00653154	-0.02109545	-0.01187871	-0.03235083	0.02471685	-0.09935699	0.09935699
TECPR2	0.02855688	-0.1084654	0.06659896	0.05172615	0.02642599	0.07135708	0.2720809	-0.2720809
CPSF2	-0.00866943	0.03488745	0.1406477	0.07098461	0.04733214	0.1225287	-0.1994781	0.1994781
POTEF	-0.01295801	0.00661161	-0.03147507	-0.02247266	0.02113308	0.00727735	0.1036414	-0.1036414
RNF130	-0.06510814	-0.02344679	0.1431659	0.0143363	0.02670351	-0.02997775	0.3124707	-0.3124707
CD101	0.03332459	0.02197961	0.1782633	0.04801308	0.06049468	0.05576678	0.09941425	-0.09941425
SLC7A11	0.07713624	0.06617746	0.07098296	0.03763031	-0.0036788	0.08483586	-0.1620907	0.1620907
ELOVL2	0.00858956	-0.07445899	-0.07035393	-0.08313799	-0.01814139	-0.08614991	0.00576327	-0.00576327
PSMA5	-0.0711405	0.1590485	0.07112938	0.02270509	0.00035876	0.09368901	-0.2837241	0.2837241
ELMOD2	0.083989	0.0603334	0.1010481	0.08244855	0.01764852	0.06512506	-0.09662487	0.09662487
CCN2	0.01009715	-0.01802797	0.147696	0.01616584	-0.00157812	-0.00739258	0.46901	-0.46901
MTOR	0.07638632	0.03964236	0.03180444	0.06620812	0.0681263	0.07227913	-0.1254118	0.1254118
EWSR1	-0.0292143	0.1229886	0.06928006	-0.01152127	0.03814293	0.07421158	-0.1590301	0.1590301
EEF2	-0.05529068	-0.02041658	0.0543122	-0.02862976	-0.01760565	0.04926115	0.09288103	-0.09288103
MAPK9	-0.01331874	0.06815393	0.1046413	0.06954984	0.09455375	0.07895294	-0.1358096	0.1358096
BGLAP	0.1445785	-0.00920763	-0.00941803	0.1003789	0.1068146	0.05055692	-0.06159301	0.06159301
HIST1H4J	-0.00514515	-0.00159782	-0.00317181	0.03436004	-0.06718324	-0.01353041	0.04814741	-0.04814741
BBS9	0.09802037	-0.05540114	0.1016917	0.06459419	0.00541742	0.01910841	0.2331208	-0.2331208
REEP5	0.00658321	0.03446275	0.1297519	0.08941569	-0.02131957	0.1258863	0.1292408	-0.1292408
FNDC11	-0.02343797	0.04627618	-0.04177905	0.01424868	0.03201282	0.00454881	0.1028973	-0.1028973
FRAT2	0.0265564	0.07794286	-0.1208855	-0.09546429	0.03524552	-0.06633486	-0.2852221	0.2852221
CAMSAP3	0.04718065	-0.0308955	-0.0342721	-0.07654276	-0.0120075	-0.02738186	-0.1362625	0.1362625
PCNA	0.01150883	0.1103257	0.06662933	-0.04941731	-0.05184183	0.0289389	-0.2479229	0.2479229
GUCD1	0.03259612	0.1048681	-0.03163597	-0.07214729	0.05928189	-0.03378326	-0.1591542	0.1591542
HUNK	0.03800179	-0.07868631	-0.05319828	-0.0428555	-0.05505714	-0.00015621	-0.0349074	0.0349074

PYG01	-0.01978437	-0.1647463	0.1418003	0.09407163	0.02567884	0.05011591	0.3299684	-0.3299684
CBFA2T3	0.02598833	-0.1163116	0.01001021	0.00061631	0.00280759	-0.02230492	0.1782256	-0.1782256
ZNF600	-0.02899573	0.1687254	0.06572025	0.07182343	-0.01084292	0.03494258	-0.2377529	0.2377529
HIST1H2AI	-0.05841624	-0.03849286	0.00314355	0.01623151	0.00719719	0.00352069	-0.08946041	0.08946041
SLC25A53	-0.00287336	-0.06673554	0.07806359	0.03784403	-0.01493588	0.04941857	0.2458044	-0.2458044
PHLDB1	0.02839548	-0.1296851	0.1184242	0.07966341	0.02268815	0.06224722	0.4983801	-0.4983801
RNF186	0.03638719	0.115261	-0.08582454	-0.03826988	-0.02683042	0.02230893	-0.09155026	0.09155026
MDFI	-0.00399753	0.05211294	-0.05885987	-0.0130381	0.03593563	0.0260674	0.05136793	-0.05136793
SDK1	0.1287955	-0.04783082	-0.0402419	-0.04530778	-0.0463606	-0.02657172	0.1637608	-0.1637608
VSNL1	0.00648091	0.02081782	0.01552624	-0.1487534	-0.06423943	-0.07170762	-0.06607942	0.06607942
KBTBD7	0.02044658	-0.02299753	0.03780543	0.03152206	0.02043665	0.06509119	-0.07548405	0.07548405
CCDC28B	-0.03158001	-0.07823502	0.01158221	-0.01943322	-0.02012399	-0.00548819	0.1873476	-0.1873476
SMPD2	-0.01138759	0.10025	-0.0154216	0.03555473	0.00551351	0.03798705	-0.1966975	0.1966975
MARCO	0.07171948	0.02568527	0.06602079	0.02198327	0.06124682	-0.02738232	0.1134397	-0.1134397
LTBP3	0.01954181	-0.09511666	0.04164232	0.08438429	-0.00535755	0.03373234	0.4252975	-0.4252975
SUPT20H	0.00641878	0.08222501	0.08934931	0.03332847	0.08073029	0.1508136	-0.07286142	0.07286142
IKZF1	-0.05423238	-0.05587081	0.1455594	0.08598545	0.04208105	0.09124048	0.1798971	-0.1798971
ALDOC	0.00512463	0.1222174	-0.07355971	-0.00082606	0.05277095	0.00172282	-0.08278909	0.08278909
C2orf74	0.04423041	-0.1194349	0.1047785	0.04869769	0.06701643	0.04707677	0.3238815	-0.3238815
MIA	0.02416119	-0.09094219	0.06386233	0.02208467	0.06330993	0.06131294	-0.00080583	0.00080583
METTL17	-0.00196643	0.1803929	0.01742164	0.03505442	0.0494766	0.1164674	-0.334694	0.334694
CLCC1	0.05240516	0.03698211	0.1102174	0.07632024	0.05426944	0.08536381	-0.04350775	0.04350775
BZW1	-0.00824566	-0.00943065	0.1012867	0.1037744	-0.01520234	0.1024642	-0.1350021	0.1350021
ITPKB	-0.04488854	-0.1655699	0.1005015	0.0213525	0.04558872	0.00843949	0.2811826	-0.2811826
HOXA9	0.00136875	0.1097413	-0.00864759	0.01932305	0.03625024	-0.02800915	-0.1344482	0.1344482
ARHGAP28	0.01986327	-0.1221622	0.1032854	0.1589617	-0.02308679	0.05925963	0.1118334	-0.1118334
PCDHB15	-0.06377531	0.00750939	0.06749752	-0.0451668	0.07435467	-0.06405376	0.2036282	-0.2036282
APOBEC3B	-0.0837985	0.08816444	-0.01068345	-0.02949092	-0.03632382	0.00636469	-0.07556468	0.07556468
LRRC46	0.02172623	0.04766409	-0.06868045	-0.02446246	-0.02826602	0.00355415	-0.04690838	0.04690838
PPP1R3B	-0.04657576	-0.01841384	0.02651802	0.0228515	-0.03786429	0.03096299	0.07824704	-0.07824704
SYNJ2BP	0.01413929	-0.04035856	0.09764418	0.04902815	-0.00757464	0.08401545	-0.00934499	0.00934499
SYF2	-0.09169346	0.05353191	0.147889	0.0460614	-0.06481048	0.06176213	0.05939932	-0.05939932
CCDC138	0.01309139	0.05487596	0.06046494	0.01816879	-0.0328522	0.0196221	-0.2636273	0.2636273
PSAPL1	-0.00625212	-0.137909	-0.03472561	0.01789038	-0.02772831	0.02737407	-0.04476409	0.04476409
TMEM109	0.01936734	-0.06272217	0.1004874	-0.04935007	0.07815895	0.02747202	0.285008	-0.285008
TEAD1	0.04020128	-0.1174179	0.1045152	0.06762968	0.04915466	0.0106007	0.3148156	-0.3148156
NMUR2	0.03316911	-0.03959691	-0.01978585	-0.014484	-0.02996167	-0.0532187	-0.00763073	0.00763073
SRPX	-0.06034797	-0.1610213	0.1070897	0.09670719	0.03804486	-0.0374447	0.4605462	-0.4605462
C1orf159	-0.03014951	0.1185165	-0.1120679	-0.03991968	0.04492402	-0.0105786	-0.2007165	0.2007165
HS1BP3	0.030097	-0.02346766	0.03675649	-0.0190765	0.00812902	-0.04299311	0.1454124	-0.1454124
NPY1R	0.06079687	0.00058216	-0.00146949	-0.02430977	-0.00854101	-0.04730999	0.1341989	-0.1341989
SIK2	0.03185461	-0.1308537	0.09426863	0.09696812	-0.02023642	0.09518905	0.09595366	-0.09595366
LEF1	-0.01045537	-0.03382442	0.06352188	-0.01584683	0.01383798	0.05829325	0.2898588	-0.2898588
MDGA1	-0.00480057	-0.0873165	0.086573	-0.0229622	0.07803096	-0.00879782	0.3491319	-0.3491319
MAST2	0.06219069	0.1224339	0.05583082	-0.00707768	0.08371477	0.02831072	-0.09554261	0.09554261
GTF2IRD1	0.1097695	0.08503944	-0.0455359	-0.1020397	0.05642064	-0.02916082	-0.09252832	0.09252832
SHARPIN	-0.00824608	0.02866893	-0.1220548	-0.02946021	-0.03328791	-0.01391845	0.01988945	-0.01988945
HNRNPU	0.0006634	0.01869138	0.1785542	0.04290168	0.02678089	0.1311534	-0.1496027	0.1496027
ZFAND1	0.00361788	0.1349872	0.00501843	0.01559583	-0.01941781	0.00868159	-0.2459214	0.2459214
RBMXL1	-0.09477692	0.00899052	0.1787499	0.01081399	0.01684904	0.03018836	-0.08251575	0.08251575
ANKRD36B	0.1001518	0.00980472	0.05922799	0.02298953	-0.0087651	0.03199163	-0.02277991	0.02277991
MCM4	-0.03403146	0.09276944	0.02026341	-0.04226264	-0.0324314	0.00805073	-0.2775927	0.2775927
PHACTR1	0.03302675	-0.06730073	0.00257578	-0.03740215	-0.01791091	-0.05552182	0.2805203	-0.2805203
PRIM2	-0.02003594	0.05723973	0.123352	0.00616829	-0.0101036	0.0406988	-0.236352	0.236352
SLC10A5	0.1408815	0.08651584	-0.02839939	0.03040528	0.02693567	0.02495562	-0.2885237	0.2885237
STARD7	0.00361917	0.09714233	0.09516264	0.05115089	-0.00325153	0.07230332	-0.2531786	0.2531786
IHH	0.07594882	-0.05389989	-0.09008105	-0.00128615	-0.06491057	-0.04980023	-0.1281974	0.1281974
CSK	-0.00303171	0.05166324	-0.04552637	-0.06329467	-0.02256729	-0.00040671	-0.1475117	0.1475117
TBL1XR1	-0.0172577	0.06589627	0.1444706	0.112452	0.01940508	0.1376225	-0.1382264	0.1382264
MLL1T11	-0.01803909	-0.03134929	-0.05622199	-0.04764832	-0.02987931	-0.06882462	0.2190182	-0.2190182
KIDINS220	0.06052873	-0.02187027	0.1406962	0.08057849	0.05316165	0.0438068	0.1265565	-0.1265565

GPR63	-0.05310997	-0.02503961	0.1021037	0.06581801	0.01015065	0.02021559	0.121554	-0.121554
KPNA5	-0.00367985	-0.04047493	0.1527585	0.1187991	0.04362573	0.04818349	0.1310641	-0.1310641
CEP89	0.02003555	-0.00711395	0.06115207	0.02826019	0.04584354	0.05041325	0.1993935	-0.1993935
ITGA1	0.00632236	-0.1093274	0.1423843	0.05648762	0.04146568	-0.00487865	0.3530209	-0.3530209
FAM149A	0.03743386	-0.07720678	-0.02165706	0.00799358	0.00493687	-0.08238845	0.08374353	-0.08374353
NOP56	-0.00758002	0.1092959	0.01120277	0.02579828	-0.01177346	0.067532	-0.1960084	0.1960084
BBS5	-0.1019745	0.0117072	0.07650571	-0.04268206	0.017486	-0.00887172	0.1640369	-0.1640369
TPP2	0.00083395	0.1085899	0.1604839	0.1238488	0.0225483	0.1431352	-0.1510653	0.1510653
AP2A2	0.06366281	-0.04886611	0.09601538	0.07189642	0.01000079	0.08807448	-0.00699181	0.00699181
ZNF569	-0.04378351	-0.1100946	0.08686788	-0.02626413	0.03699047	-0.05664936	0.2025313	-0.2025313
PCED1A	0.1074218	0.03562718	-0.0101523	0.00236942	-0.0249352	0.0224732	0.05986609	-0.05986609
PER3	0.02320772	-0.1152453	0.05088791	0.00351712	-0.02904525	0.04887786	0.1191909	-0.1191909
PRAF2	-0.00274542	-0.06737236	0.04229365	-0.00731217	-0.00119718	-0.00683557	0.4051414	-0.4051414
HEATR4	0.0538092	-0.05652541	0.04651868	0.00062957	0.1203965	0.00042631	0.01126129	-0.01126129
ELAC1	-0.1044462	0.03635673	0.07696418	0.01777016	-0.00521064	0.00055263	-0.06436908	0.06436908
CASTOR2	0.02191007	-0.1231731	0.06327803	-0.04138727	0.0069114	0.06097837	0.1331421	-0.1331421
RDH16	0.08513976	0.09351586	-0.03182557	-0.03752244	0.1021612	-0.01614181	-0.03909754	0.03909754
ZNF830	0.05313222	0.04715527	0.05269099	-0.08031901	0.1727217	0.00202261	0.00818228	-0.00818228
KIF15	-0.00428307	0.04720285	0.05192865	0.00157358	-0.0330364	0.05786479	-0.306591	0.306591
ZNF254	0.06009457	0.04649082	0.0742091	-0.00769936	0.03994418	0.0516619	-0.05964794	0.05964794
BOC	-0.02964975	-0.1910679	0.1385384	0.04412889	0.01977971	0.01564535	0.4961205	-0.4961205
TMEM120A	0.05255644	0.06272023	-0.05632118	-0.05705302	-0.03913495	-0.07155472	-0.01926094	0.01926094
CEP85	0.00344699	0.1044952	-0.00774879	-0.00377917	0.00763389	0.05634643	-0.2211824	0.2211824
DEF6	-0.03149427	0.06372422	0.08774634	0.0003723	0.02822394	0.02255804	-0.05989615	0.05989615
ZNF567	0.03387118	0.04532412	0.09546994	0.01618015	0.06428039	0.03337228	0.00775085	-0.00775085
TMEM92	-0.01719468	0.0365509	-0.0792094	0.02889506	0.07519109	0.07443466	-0.1976844	0.1976844
GNG8	-0.1022615	-0.1532355	0.1115341	-0.0488746	0.01532901	-0.02206708	0.2359777	-0.2359777
MAATS1	-0.1025083	-0.04646181	0.02104572	-0.05596949	-0.00631634	0.00259377	-0.06719925	0.06719925
VAMP1	-0.06632878	-0.00031701	0.04288033	0.01637315	0.01327596	0.05843559	0.00880935	-0.00880935
TAP1	0.00252608	0.1341976	0.08702874	-0.02731848	-0.00649279	0.05856903	-0.08159684	0.08159684
BMP6	0.02503558	0.02056225	0.1023014	0.1009264	0.05980351	0.0730094	0.3092438	-0.3092438
CDCP1	-0.01672473	0.09368281	-0.01080118	-0.06567727	0.00616538	0.03818673	-0.2026918	0.2026918
RALB	-0.03498634	0.06373507	0.05591578	-0.01522831	0.02878387	0.01280897	-0.07445275	0.07445275
ARMCX5	0.06052933	0.1375237	0.06969152	-0.00316979	0.02573136	0.0188274	-0.1694207	0.1694207
ADGRE1	-0.0144221	0.07478165	0.03943367	0.09674088	-0.00984531	0.00955155	0.06271625	-0.06271625
SIAE	-0.1195367	0.1408959	0.1217555	0.07913196	0.0115164	0.04225834	-0.2770847	0.2770847
PLEKHM1	0.07079859	0.0625491	0.04247116	0.05361605	0.07539217	0.07764898	-0.04368825	0.04368825
DAZAP2	-0.04630196	0.02653995	0.03045375	0.02348189	-0.02200654	0.00918356	-0.01184574	0.01184574
PSORS1C1	0.07021132	0.06769384	-0.03725413	-0.0551979	-0.04085704	-0.05973775	0.01157246	-0.01157246
CST1	0.04440642	0.05740528	-0.05298364	-0.07348736	-0.04479142	-0.07426595	0.1086916	-0.1086916
RBM14-RBM	0.08064015	0.05284982	0.09082439	0.07746318	0.02361237	0.1177716	-0.00631283	0.00631283
ARHGAP30	-0.03446069	-0.04157761	0.1332535	0.0589861	0.03419211	0.08918746	0.1994966	-0.1994966
PRKAR2A	-0.03992035	-0.02168497	0.1046344	0.01135678	-0.04402431	0.07071666	-0.1763366	0.1763366
ARHGFE37	0.0776963	-0.1560863	-0.06390666	-0.05533969	0.03423967	-0.03944928	0.05907356	-0.05907356
TPGS1	-0.01300241	-0.03754917	-0.03981135	-0.1049901	-0.0088176	-0.08478036	0.2602042	-0.2602042
HSPB1	-0.04030439	-0.07839606	-0.1453883	-0.08947613	-0.02439272	-0.07251173	0.1988078	-0.1988078
SCUBE1	0.00912077	-0.02186476	0.1120685	0.05771219	0.1012386	0.01827868	0.1900527	-0.1900527
C12orf10	-0.06844632	-0.04265232	-0.04646833	-0.109333	-0.07880937	0.00576224	0.05875563	-0.05875563
ZNF544	0.00702564	0.01721318	0.05136824	0.1004724	-0.02286015	0.09030258	-0.07181191	0.07181191
TRIM29	0.04783232	0.00745409	-0.09996121	-0.07102727	-0.05900144	-0.01108418	-0.07385775	0.07385775
PIGH	-0.09734147	0.07730533	0.01976527	0.00874909	0.00158002	0.02317856	-0.1214255	0.1214255
TEK	0.01913135	-0.09421007	0.1885627	0.1136833	0.05858403	0.0561779	0.3923126	-0.3923126
COL7A1	0.07490441	0.04738439	-0.04149599	0.00676615	-0.02460191	-0.00179976	0.1383412	-0.1383412
LGMN	0.0242785	0.01169122	0.1839526	0.0877488	0.07116801	0.1056001	0.02175941	-0.02175941
ZFY	0.539926	-0.1348948	0.04984158	0.1125089	-0.02830364	0.03694006	0.01009527	-0.01009527
TMOD2	0.03993648	-0.03407508	0.117231	0.00835888	0.01070568	-0.03304419	0.2050279	-0.2050279
BLOC1S6	0.0401891	-6.55E-05	0.2476796	0.1283292	-0.00785369	0.0518797	-0.00332398	0.00332398
NEK6	-0.02124047	0.02098766	0.07203968	0.05727465	0.07379996	0.1243606	-0.04911059	0.04911059
PIK3C2G	0.00280085	-0.0249302	0.06360404	0.02710572	-0.01449101	0.0108267	-0.1063407	0.1063407
L2HGDH	-0.03382322	0.08278088	0.04151159	-0.05218523	-0.00897993	0.02310828	-0.2970105	0.2970105
SULT1C4	0.04590346	-0.06189798	0.01000623	0.04401438	0.03053013	0.03875	0.1272588	-0.1272588

USP35	0.01424675	0.06428228	0.03900302	0.03054937	-0.0025669	0.08541397	0.02921636	-0.02921636
TNRC6C	-0.03410327	-0.1090543	0.1079516	0.1370048	0.02567082	0.1780027	0.2267007	-0.2267007
OSGEPL1	-0.09415205	0.01021319	0.0360685	0.04211411	-0.05695931	-0.01123764	-0.05788472	0.05788472
SIKE1	-0.00017317	0.00765811	0.1060788	0.04018202	-0.01877093	0.06930083	-0.02309856	0.02309856
PRRG4	0.01073931	0.03411369	0.05824839	-0.06873443	0.01755152	0.02594583	-0.1682217	0.1682217
IFI27L2	-0.00879237	-0.02832317	-0.06658126	-0.06717858	-0.04077437	-0.00227737	0.1896668	-0.1896668
TMEM201	0.02487974	0.0493678	0.00844283	0.02031529	0.01405742	0.07289869	-0.1649032	0.1649032
GCKR	0.04041831	-0.09476795	-0.07638256	0.05030925	-0.05404838	-0.02262692	-0.1642834	0.1642834
HSPA14	-0.01735805	0.07764773	0.09087131	0.01997591	0.03083368	0.07955418	-0.3081036	0.3081036
FOXO3	0.07000055	0.00088558	0.1667241	0.1286533	-0.01028023	0.1060007	-0.01458929	0.01458929
MRPS18B	-0.01310465	0.0929769	0.01217004	0.01136295	0.00832281	0.04705198	-0.1769708	0.1769708
ZNF75D	0.03962357	0.1265399	0.03591935	0.05789364	-0.02924058	0.06147731	-0.1413477	0.1413477
RPS26	-0.07284754	-0.06447795	-0.04456928	0.03384166	0.01610291	0.1059327	-0.0757654	0.0757654
MTR	-0.00212095	-0.09380958	0.245938	0.101876	0.03267188	0.106515	0.1789134	-0.1789134
SNX30	0.07080936	0.02058466	0.103096	-0.01283556	0.00233569	0.04699206	-0.02632987	0.02632987
SLC7A5	0.02366476	0.05056867	-0.00627651	-0.01804041	-0.00343879	0.02175072	-0.03845251	0.03845251
CD2AP	0.01621473	0.1453694	0.08036334	0.0259793	-0.01249704	0.0130877	-0.2787276	0.2787276
POLI	-0.00050727	-0.02674245	0.06169173	0.09359832	0.04517076	0.03195855	0.08261552	-0.08261552
SLC35A4	0.06177026	0.0472503	-0.0524387	0.0074725	-0.00768448	0.05806849	-0.1009499	0.1009499
CAST	0.04238517	0.07805712	0.1322389	0.04623543	0.01612632	0.07926233	0.01377791	-0.01377791
LSM1	-0.06951819	-0.01774086	0.04423278	-0.00011831	0.0585092	-0.02732486	-0.06220268	0.06220268
SARNP	0.04139706	-0.06870137	0.08262758	0.07133091	0.03920007	0.0822233	-0.01895062	0.01895062
TAGLN	-0.04550783	-0.161829	0.1039275	0.00650735	0.00123599	-0.05104836	0.4286481	-0.4286481
PUDP	-0.3205954	0.02497269	0.06517529	0.05107564	0.05376056	0.1215711	-0.1910407	0.1910407
SAFB	-0.0167689	0.05444187	0.1100033	0.00933159	0.04167753	0.1020514	-0.1156567	0.1156567
USP49	0.09982945	0.1195111	0.00015536	-0.03906471	0.02108478	-0.03589587	-0.06828729	0.06828729
HLA-DRB5	0.03882231	0.04331243	0.06130979	0.02295932	0.03322105	-0.00171181	0.02566454	-0.02566454
KIAA0556	0.1265207	0.0017905	0.08518348	0.07724445	0.1466807	0.1415641	-0.04658812	0.04658812
PIN1	-0.01777343	-0.08707443	-0.0218285	-0.08802777	-0.01098031	-0.02920417	0.1402916	-0.1402916
C9orf40	-0.09036338	0.08157287	0.0501812	-0.03949475	-0.0315106	0.02225248	-0.1957286	0.1957286
ZNF771	-0.05981119	-0.00598574	-0.0294332	-0.01290602	0.06000798	-0.00718599	0.1295131	-0.1295131
DOCK11	-0.01124956	-0.1174371	0.2213489	0.07479009	0.04794028	0.02715245	0.3510835	-0.3510835
SLC7A9	-0.0140894	0.01579715	0.0235926	0.04609102	-0.02447581	0.01376606	-0.07357176	0.07357176
CD37	-0.04134854	-0.1118816	0.03837977	0.03746253	0.03640802	0.01112708	0.2055944	-0.2055944
CAP1	-0.08359126	0.04943013	0.1192201	0.06008904	0.01803262	0.0554613	0.08658427	-0.08658427
ALKBH6	-0.00723791	0.09091978	-0.1018346	-0.06539282	0.03185459	-0.08415322	-0.07719733	0.07719733
C15orf41	0.05616837	-0.05067131	0.09659487	0.04362619	0.00190245	0.03008981	-0.01123681	0.01123681
B4GALT3	-0.02994746	0.09339096	-0.04602342	4.78E-05	0.0331319	-0.0070175	-0.08082067	0.08082067
EVI5L	-0.00919037	-0.09198603	0.00334316	-0.07845439	-0.02994807	-0.03184897	0.1101865	-0.1101865
GIGYF2	0.06681808	0.00140176	0.1352319	0.0418918	0.01365775	0.09663391	-0.06585435	0.06585435
CR1	0.00095083	-0.03318087	0.12244	0.1263289	0.02501899	-0.00437234	0.1513504	-0.1513504
RRP1B	-0.05059541	0.01460401	0.09474996	0.0064073	0.08719142	0.09839665	-0.1265186	0.1265186
YARS	-0.06212476	0.1180679	-0.00639056	-0.0603225	-0.00383326	-0.02247468	-0.202854	0.202854
HDX	0.03993716	-0.1183452	0.1394278	0.04381544	0.1010919	0.00542134	0.3275875	-0.3275875
SV2A	0.0415122	-0.0652717	-0.03630663	0.02592451	-0.00922829	-0.0023527	0.3393442	-0.3393442
HIST1H2AM	-0.00255273	0.03144281	-0.03960101	-0.0557398	-0.03622818	-0.01590169	-0.06933549	0.06933549
ERMARD	0.07246417	0.1106951	0.07289089	0.09352109	-0.00145004	0.08373339	-0.2183907	0.2183907
CPNE3	-0.02701749	0.07957053	0.04357117	-0.01456894	-0.05296	-0.02561051	-0.2427996	0.2427996
ZNF683	0.00747283	0.00441776	0.1225846	-0.02840279	0.00912874	0.06203236	0.130705	-0.130705
PRC1	-0.00519801	0.1074056	-0.02845298	0.00098867	-0.00560848	0.05443994	-0.2446604	0.2446604
HOXD9	0.04552029	0.04960833	-0.0233122	0.00436599	-0.02865744	0.01066528	0.07494431	-0.07494431
SPRYD7	-0.06768488	0.07590082	0.04393084	-0.05354615	-0.03007002	0.0548345	-0.1167896	0.1167896
CTDP1	0.0047886	0.1048605	0.07870677	-0.01288729	0.09680315	0.0281676	-0.02502741	0.02502741
ANKRD44	-0.02497346	-0.04862569	0.1554869	0.1101837	0.03925522	0.07390985	0.2120651	-0.2120651
FASTKD1	-0.05420681	0.1531851	0.06871483	0.0278152	-0.02228653	0.03575678	-0.3817178	0.3817178
C1QTNF1	-0.00780916	0.02027426	-0.0389249	0.03703876	0.08637775	0.03158778	0.3064602	-0.3064602
SLC29A2	0.03232825	0.1169932	0.01659636	-0.01411576	0.00736353	0.0806625	-0.1948132	0.1948132
SPIN2B	0.0429619	-0.04802293	0.04547955	-0.0436229	-0.02905212	-0.0089843	0.151968	-0.151968
SCART1	0.1505276	0.1102433	0.01056227	-0.00213687	0.005911	0.04606247	-0.04245877	0.04245877
SMPD1	0.05432903	-0.07906293	0.05677653	0.03624893	0.03163833	0.04227538	0.3694028	-0.3694028
C11orf54	0.03394792	0.01068773	0.05668209	0.03004034	0.05691828	0.01901151	-0.1460843	0.1460843

APLP2	-0.01554256	0.03543929	0.06266446	0.07880018	0.03509628	0.02321622	-0.02318845	0.02318845
ME2	-0.1375335	0.07794634	0.1536516	0.02947773	-0.02831986	0.0193065	-0.1853539	0.1853539
TLNRD1	0.08961522	0.02877753	-0.0128625	0.01674995	0.00942248	0.02961735	-0.08314248	0.08314248
MUC6	-0.03690422	-0.01456562	0.0290972	-0.00148559	-0.04691868	0.04458551	-0.1052242	0.1052242
GIMAP1	-0.02736642	-0.1415255	0.1964894	0.1046107	0.08982665	0.04709079	0.4074785	-0.4074785
AKT1S1	-0.03287425	-0.02594942	-0.05862576	-0.02329152	-0.00270614	-0.00887557	0.00928338	-0.00928338
IL2RA	-0.02350693	0.05003462	0.1472112	0.1111866	-0.00620944	0.06551686	0.03923155	-0.03923155
FUBP1	0.01387591	0.06911045	0.08302919	0.05934988	0.01084259	0.1064899	-0.1800697	0.1800697
SUGP2	0.05927755	0.06012632	0.073429	-0.00079287	0.05218147	0.09413648	-0.1161106	0.1161106
BCAS2	-0.1225329	0.01293839	-0.00313614	-0.02477592	-0.00159817	-0.03511791	-0.1090887	0.1090887
PRR7	-0.01259614	0.03930228	-0.05295803	-0.03701103	0.04596453	0.03175021	-0.03020166	0.03020166
POLR2D	-0.1066716	0.03298947	0.07688316	-0.00855601	0.03916215	0.0369569	-0.1241569	0.1241569
CEBPG	-0.05381126	0.1676389	0.03774339	0.01843404	0.01676244	0.04570369	-0.1956252	0.1956252
ATP6V1FNB	0.08455193	0.01875216	0.06889407	0.03896037	0.07038281	0.07900623	-0.08308554	0.08308554
LRRC29	0.08880882	-0.05596622	0.04074787	0.04154105	0.09077145	0.03770802	0.2426938	-0.2426938
APOL3	-0.05666634	0.07802881	0.1685431	-0.00281387	0.04487156	0.0621102	0.1707746	-0.1707746
GTF3A	0.0170924	0.08825252	0.05957853	0.03221377	-0.03247924	0.01146226	-0.1282772	0.1282772
BUD31	-0.0468063	0.01668693	-0.06245257	0.02065742	-0.03617358	-0.02529843	-0.00495299	0.00495299
ABCB10	-0.0218578	0.06478684	0.07962057	0.01311666	0.03862434	0.02387697	-0.1992471	0.1992471
VSIG10L	0.03670381	-0.01300157	-0.1526914	-0.08636588	-0.0150294	-0.07051757	-0.03471929	0.03471929
IPCEF1	0.01946898	-0.07852192	0.1433373	0.07487697	0.05310792	0.05577386	0.1195034	-0.1195034
ZNF688	0.06408906	-0.04715455	-0.03606518	-0.05919844	0.06095086	-0.03661042	0.1604836	-0.1604836
MRPL54	-0.1156539	0.01221538	0.03214642	-0.05674316	-0.09388984	-0.03696391	0.07485692	-0.07485692
SLC10A7	0.04816899	0.1071585	-0.00475335	0.05945888	0.00867845	0.03707349	-0.2589516	0.2589516
CNBP	-0.0788878	0.01018875	0.1366801	0.1021874	-0.03868275	0.05985236	-0.04327306	0.04327306
TRPM2	-0.01905157	0.1255491	0.03059683	0.05229375	0.01563421	0.04582328	0.04833137	-0.04833137
ZNF407	0.04313112	0.00992796	0.1548666	0.07777251	0.02009715	0.09845513	0.0637804	-0.0637804
ARFRP1	0.02827705	0.0561805	0.0727191	0.01918899	-0.02782938	0.04620294	0.03286231	-0.03286231
PPP1R15A	0.09806586	0.03826199	0.03319933	0.02350089	0.02805032	0.04750071	0.06137729	-0.06137729
REPS2	-0.1188354	0.03448785	-0.02643757	-0.00746303	0.00388776	-0.00297222	-0.08326696	0.08326696
TTC36	0.06747818	-0.05504681	-0.01047954	-0.04579603	-0.05694587	-0.04793043	-0.0348957	0.0348957
CHMP7	-0.08284942	0.02654771	-0.01266676	-0.07997071	-0.04144238	-0.09316726	0.01682706	-0.01682706
GPC3	0.00742947	-0.05655037	0.007765	-0.00193558	-0.04182643	-0.01942981	0.02171414	-0.02171414
EOGT	0.00587991	-0.08526136	0.1974202	0.08918025	-0.00333848	0.00364052	0.3323955	-0.3323955
AC079447.1	-0.05016796	0.06290457	0.02085997	-0.05852988	-0.0200912	-0.05949895	-0.0648129	0.0648129
BCKDHB	-0.05976353	0.08940744	0.09181315	0.01587707	0.0210157	0.00730415	-0.1515969	0.1515969
VEGFC	-0.0002405	-0.02617513	0.1920949	0.0612762	0.0579868	0.01553426	0.6366823	-0.6366823
ITGA2	0.0148552	0.05940538	0.1278494	0.05281525	0.0494993	0.1525755	-0.07887266	0.07887266
NES	0.0182961	-0.0181911	0.06589165	0.01647572	-0.010801	0.07330684	0.1799082	-0.1799082
EPB41L3	-0.04564707	0.01412345	0.03459698	0.08948506	-0.01133414	-0.00078906	0.1835722	-0.1835722
NDUFS3	-0.08979234	0.124249	-0.06057732	-0.06954899	-0.07077011	-0.01523182	-0.2358226	0.2358226
EML1	0.00928467	-0.1468155	0.1182727	0.06826554	-0.00356277	-0.02571084	0.4120095	-0.4120095
TSNAX	0.04488083	0.01467144	0.09850497	0.05685886	0.00767076	0.04345119	-0.1330848	0.1330848
AAK1	0.03030247	-0.07084204	0.09337729	0.0412185	0.00672468	0.06268575	0.1181542	-0.1181542
ABCA7	0.02690946	0.06155461	0.00396081	-0.0164153	-0.01500364	0.0283912	-0.1023675	0.1023675
DSG2	-0.03169349	0.1394469	0.1399736	0.04241284	0.0276666	0.0782683	-0.2593327	0.2593327
TMEM241	0.04052766	0.04429703	0.02693414	0.00147139	0.01909827	0.00853229	-0.09350741	0.09350741
PEX16	0.05637624	0.1084089	-0.01762038	0.00749888	-0.04032135	0.01351407	-0.08451201	0.08451201
YAP1	0.06870575	-0.05374548	0.1199201	0.03523133	0.02443619	0.0615044	0.08701763	-0.08701763
ECHDC1	-0.00280929	0.0469139	0.1456725	0.1111429	0.07246753	0.09759083	-0.1556237	0.1556237
DUS4L	-0.00014317	0.08273055	0.01364933	0.03356599	0.08523342	0.02090587	-0.1888257	0.1888257
SGK1	0.04812604	-0.05727744	-0.07015635	0.02215215	-0.07240701	-0.00762277	-0.03160397	0.03160397
THAP12	-0.05044191	0.1014871	0.07184572	0.05968002	-0.00368335	0.07102812	-0.1266535	0.1266535
PABPN1	0.00565234	0.00465087	0.05939268	0.02386805	0.02789048	0.1005225	-0.09356304	0.09356304
CDHR3	-0.00617657	-0.05346601	0.03587245	-0.02941341	-0.05996229	-0.05442296	-0.02558206	0.02558206
TMEM101	0.08979817	0.05958594	0.00082197	-0.05427093	0.02917908	0.03112596	-0.06254382	0.06254382
BNC2	0.00450748	-0.2016231	0.1585549	0.08082075	0.03398765	-0.01658325	0.5111663	-0.5111663
METTL2B	0.00688925	0.00476591	0.1333547	-0.03315392	0.02834774	0.08431469	-0.07218039	0.07218039
SIRPB2	0.04014163	0.0453708	0.1368431	0.1426814	0.06027856	-0.04140787	0.3103457	-0.3103457
ALAS1	-0.03588797	0.06766294	0.04908733	-0.01226682	-0.05393617	0.02912306	-0.2196085	0.2196085
RPN2	0.06697221	0.08346789	0.00858765	0.07272488	0.00024869	0.06196811	-0.1504987	0.1504987

SDHAF3	-0.0350212	-0.01984135	-0.05947529	-0.03184533	-0.01182258	-0.0620771	-0.1047694	0.1047694
ANKAR	0.05884567	-0.06574353	0.1062842	0.1290583	0.02986202	0.00194623	0.1172667	-0.1172667
SEMA3D	-0.04805321	-0.01753788	0.03916834	-0.00518147	-0.01997466	0.04679278	0.07162692	-0.07162692
SPG11	0.09126119	0.03474649	0.1225593	0.06017267	0.02942928	0.07869876	-0.1108827	0.1108827
ANK3	0.08370194	0.00096525	0.06677582	-0.01936578	0.00042942	-0.00410786	-0.1438005	0.1438005
UNC5B	0.03463661	0.01140818	0.01730695	0.0302811	-0.03887988	0.07763706	0.1747204	-0.1747204
FBXO10	-0.08821428	-0.0407795	0.04818554	0.04803889	-0.03549889	0.0884507	0.2108149	-0.2108149
FAF2	0.03586494	0.05905351	0.07894961	0.09030659	0.05377113	0.1214098	-0.1013224	0.1013224
HIST1H2BO	-0.00288799	0.00692345	-0.1159622	-0.1095467	-0.03720443	-0.08922617	-0.05889548	0.05889548
FNDC3B	-0.00321908	0.04656982	0.1745087	0.1506715	0.01835316	0.1403186	0.1033112	-0.1033112
SP140	-0.06889884	0.01602962	0.1106746	0.08499422	0.01058389	0.07062472	0.1103826	-0.1103826
NEU4	0.08996412	-0.03240875	-0.01516146	-0.05451378	-0.01165116	-0.01286056	-0.08956464	0.08956464
SSBP3	0.06073563	0.00283196	-0.00714793	-0.05484571	-0.01385966	-0.00471399	-0.07326771	0.07326771
PYGO2	-0.0523082	-0.00474302	-0.05048918	-0.02408147	0.0154681	0.01342549	-0.09036013	0.09036013
NAE1	-0.05631456	0.1241779	0.1375392	0.00646152	0.07863658	0.07926037	-0.2380182	0.2380182
NDE1	-0.08317359	-0.01590948	0.07925393	-0.01324276	0.168997	-0.01147345	0.07424759	-0.07424759
ALG10	0.03282922	0.03202846	0.1277809	0.03467321	-0.06249737	0.05273579	-0.1713349	0.1713349
GATA3	-0.04290632	-0.08740677	0.131481	-0.01853428	0.04385011	0.1154364	0.2030636	-0.2030636
GPANK1	-0.06182196	0.03589645	-0.08313476	-0.05144468	-0.04610837	-0.06010366	0.00148789	-0.00148789
F12	-0.1124654	0.1825901	-0.04120119	-0.1122518	0.01679808	-0.06111528	-0.1563902	0.1563902
PPP1R14B	-0.06144156	0.07501532	-0.08264089	-0.07143913	0.02557872	-0.01514047	0.04908293	-0.04908293
EFHC2	-0.00942161	-0.1563267	0.00293075	-0.01137666	0.0440318	-0.01875953	0.06969646	-0.06969646
HMGA1	-0.00443561	0.05116973	-0.06136884	0.01393621	0.00932318	0.03726177	-0.1385163	0.1385163
PRND	0.01431762	-0.1881224	0.09028607	0.00608011	0.00863593	-0.01570718	0.4136044	-0.4136044
FKBP15	0.0542226	0.06698482	0.1172712	0.04257249	0.05508554	0.08653574	0.00657435	-0.00657435
ARHGAP1	0.04373481	-0.05332376	0.1406531	0.03838071	0.0106186	0.09315413	0.3323866	-0.3323866
ME3	-0.04122071	-0.0318765	-0.03279525	-2.58E-05	0.01417928	-0.02887973	0.07405702	-0.07405702
CCL14	-0.0150746	0.01578148	0.0762244	0.05506793	0.0347427	-0.03333752	0.2605017	-0.2605017
CHMP2B	-0.1102698	0.09857265	0.1079214	0.1236895	0.08793977	0.09811786	-0.1687812	0.1687812
KDM4B	0.00197796	-0.0335257	0.01112469	0.02486581	0.04473235	0.03889252	0.07955368	-0.07955368
LRRC8E	-0.05856011	0.03642098	-0.04420494	-0.04682732	-0.00384652	-0.06499481	-0.08383545	0.08383545
PRKY	0.5169426	-0.01884953	0.05394902	0.1265065	0.04780489	0.06873266	0.0312516	-0.0312516
PDE7B	-0.03544546	-0.1919236	0.1287992	0.09886766	0.05739082	-0.00716808	0.3726567	-0.3726567
AP2M1	0.02090704	-0.01105442	0.01753676	-0.01139936	-0.00686081	-0.01852546	0.1115563	-0.1115563
SLC25A44	0.04976826	0.01539267	0.00102826	0.0565369	0.06976613	0.06105084	-0.1718224	0.1718224
CDKN2A	-0.02563109	0.00212259	-0.04317712	-0.03115323	-0.0720401	-0.01874691	-0.01959155	0.01959155
MRGBP	-0.06856311	0.09849067	0.0139205	-0.0243971	0.00376261	0.03259936	-0.1449542	0.1449542
SPTBN5	0.05996961	0.02370541	-0.05345143	0.02244862	-0.01586685	-0.0064093	-0.06374874	0.06374874
SPATA5L1	-0.02940768	0.07183679	0.02497217	-0.03240927	-0.00869655	0.02970765	-0.2294281	0.2294281
SEMA3G	-0.02365136	-0.07067436	0.1125881	0.1155779	0.01706344	0.07059009	0.340611	-0.340611
SPATA20	0.07039219	0.00133237	-0.00738124	0.04898652	-0.04771422	0.07872906	-0.02221636	0.02221636
GNE	0.04157036	0.03541405	-0.01770486	-0.04800312	0.05961209	0.01448951	0.09583945	-0.09583945
ZBTB49	0.04012977	0.00265801	0.02346691	-0.00183048	-0.00757094	0.01598819	0.02748218	-0.02748218
COX16	-0.04739182	0.08040269	-0.0284571	0.04547167	0.03345923	0.05370802	-0.1539318	0.1539318
FAM199X	0.07522056	0.06548895	0.1164834	-0.0369268	-0.01347431	0.07132316	-0.2056403	0.2056403
WIPF2	0.06050149	-0.01566316	-0.01656385	0.01230341	0.00139433	0.0393367	-0.08898094	0.08898094
ZBED6CL	0.09310623	0.1162098	0.1325056	0.02340907	-0.00604032	0.05852417	-0.1036918	0.1036918
IDH3B	0.05913504	0.1036992	-0.04077771	-0.03881212	-0.00444151	-0.00944804	-0.1891394	0.1891394
ABCC6	0.09014301	-0.00790939	0.03925821	0.01769883	0.02342317	0.00230996	-0.1105803	0.1105803
RPAP3	-0.03822294	0.04273668	0.1109813	0.03844485	0.0001047	0.1140722	-0.166935	0.166935
GTF2H3	-0.02705578	0.02069966	0.1586049	0.02573005	0.03296061	0.1235486	-0.1869186	0.1869186
SYT8	-0.03108032	0.01108748	0.06417656	0.05903623	-0.05137521	0.06248116	-0.07030613	0.07030613
SAE1	-0.01645092	0.00684078	0.00467561	0.01714207	0.03968028	0.01809317	-0.07475513	0.07475513
NFKBID	-0.04702088	0.05769836	0.01442505	0.03851536	0.01243475	0.0427016	0.01236361	-0.01236361
MPDZ	-0.03951492	-0.1653339	0.1585628	0.09162206	0.04360163	0.00649469	0.4732549	-0.4732549
CTSK	0.03990093	-0.05481235	0.1170654	0.05759647	-0.01721949	-0.05879096	0.5270836	-0.5270836
POLR3K	-0.1297708	0.1229239	0.05604424	-0.00637437	-0.00205933	-0.01431199	-0.2236925	0.2236925
TMEM126A	-0.1065644	0.03835508	0.0487686	0.00266736	-0.08680457	-0.01661878	-0.09933562	0.09933562
PSD4	-0.03251575	0.07106156	0.00646559	-0.01971477	-0.015836	0.01842329	-0.1497384	0.1497384
CCDC85B	-0.02749783	-0.04399238	0.04684386	0.01516693	0.04956882	0.1002996	0.2404729	-0.2404729
CCDC107	-0.1214465	-0.07077401	0.03187646	-0.00402771	-0.00201763	0.05446882	0.3326124	-0.3326124

PID1	0.05293864	-0.03483559	0.08847839	-0.00957054	0.03670413	-0.0305098	0.1447859	-0.1447859
MAPK1IP1L	-0.08448297	0.0312038	0.01131811	0.06105267	-0.03881869	0.1105321	-0.06271492	0.06271492
RNPEP	-0.0751185	0.1205085	0.03170033	0.00651564	-0.01838508	0.00095048	-0.3018211	0.3018211
KRT6B	-0.03506016	-0.01883902	-0.06599409	-0.03011888	-0.00461866	0.00710856	-0.06906467	0.06906467
MORN3	0.04232168	-0.03241489	0.04760526	0.1084526	-0.01786111	0.05841634	-0.05793383	0.05793383
PTMS	-0.06872933	-0.073597	0.00029239	-0.09232226	-0.03331262	0.02126921	0.3023941	-0.3023941
POPDC2	-0.04612046	-0.1391378	0.05161954	-0.02800864	0.00798068	-0.06732396	0.2984477	-0.2984477
PRR15	0.00444013	0.1026699	0.00814661	-0.06036337	-0.00310689	-0.02530479	-0.200808	0.200808
PPCS	0.01056673	0.05876243	-0.00575241	0.02845198	-0.06286619	0.02931597	-0.1714809	0.1714809
ZUP1	-0.1025535	0.1691148	0.1083935	0.07443732	0.01443157	0.1005212	-0.3086738	0.3086738
LILRA2	0.08039295	0.01995748	0.08396167	0.02253	-0.03630922	-0.1248261	0.25839	-0.25839
WDR27	0.11731	0.1458	0.02358791	0.08278402	0.03162683	0.06170066	-0.1428714	0.1428714
ABI2	0.03762461	-0.0577132	0.1268109	0.07462113	0.02506532	0.05605596	0.2051092	-0.2051092
ONECUT2	0.06372092	0.01865994	0.05413879	0.1476968	0.07200778	0.1090303	-0.1134237	0.1134237
IKZF3	-0.07488211	-0.020702	0.1049148	0.03649651	0.02203567	0.09527596	0.07075744	-0.07075744
TLR8	0.00561467	0.06410185	0.2104438	0.1094558	0.04350868	0.04103174	0.07542559	-0.07542559
SNAPC4	0.00945867	0.0784403	0.01556792	-0.00107038	0.05076072	0.08418536	-0.1405038	0.1405038
CLEC10A	0.05505092	-0.1821192	0.1444145	0.00354941	0.00167179	-0.03234638	0.2817062	-0.2817062
SMOX	0.06688587	0.06636054	-0.0536615	-0.03767667	-0.06180171	0.00788991	-0.02455956	0.02455956
AC233723.1	-0.09549012	-0.00354249	-0.09655737	-0.06325167	-0.00770569	-0.07427694	0.06464702	-0.06464702
ZNF502	-0.06055848	0.01498632	0.0671775	-0.01347727	0.00390652	0.01051437	0.00601958	-0.00601958
DOC2B	-0.07359465	0.05246577	-0.02584808	-0.0487352	-0.03774297	-0.01499105	-0.0131358	0.0131358
TARSL2	-0.01799104	-0.0317423	0.07056877	0.04813245	-0.04997341	0.08481286	0.04415212	-0.04415212
SEMA5A	0.07216162	0.02637693	0.07352401	-0.05483114	0.00924604	-0.01495063	0.00596812	-0.00596812
SGO1	-0.08584773	0.03820138	-0.0231621	0.00429105	0.00693134	0.07208845	-0.3047639	0.3047639
ARPC4	-0.09905933	0.07649391	-0.06095787	-0.06974639	-0.05361923	-0.01977258	0.00474778	-0.00474778
SELL	-0.0253151	-0.07808476	0.06339648	0.05864212	0.07195741	-0.0071105	0.2030596	-0.2030596
NUDT15	-0.00874077	0.09662959	0.04708748	0.03349192	-0.00247534	0.0522279	-0.254065	0.254065
LATS2	0.03320187	-0.02327377	0.2539164	0.1272424	0.03684042	0.1290702	0.382939	-0.382939
ACSF3	0.03200566	0.1237936	0.02196283	-0.00710912	0.1186711	-0.02141874	-0.08251966	0.08251966
FLYWCH1	0.03453798	-0.05446379	0.09180307	0.04826541	0.06891809	0.00060912	0.2302772	-0.2302772
SPATS2L	-0.02846378	0.06220063	0.1071185	0.04357687	0.03144055	0.03638831	-0.00234998	0.00234998
AIMP1	0.00434206	0.1021053	0.1189583	0.06819636	0.01071319	0.0611967	-0.2820902	0.2820902
HACD1	-0.06475373	-0.1716752	0.07626964	0.02323133	-0.00326487	-0.00686431	0.3178411	-0.3178411
FCF1	-0.05263241	-0.02710831	0.1463099	0.02603335	0.05933118	0.0755328	0.10275	-0.10275
TRIP12	0.02257225	0.04478582	0.1476867	0.1378387	0.01103665	0.1197808	-0.1014412	0.1014412
COL8A1	-0.00981849	-0.1289002	0.1890118	0.1030029	0.02011623	0.08487643	0.6250492	-0.6250492
HOXC10	-0.1863275	0.04730006	-0.03794061	-0.02234454	-0.01983657	-0.03089946	-0.09029108	0.09029108
GSTO2	-0.08529081	0.06636695	0.01110781	0.02461375	-0.04055679	0.06140315	-0.2101722	0.2101722
GPR157	0.07939208	-0.00734573	-0.09675533	-0.02593451	-0.00152176	0.01333493	-0.1294476	0.1294476
CPZ	0.04091895	-0.08529592	0.03433673	0.08283092	-0.01480647	0.02610616	0.3535307	-0.3535307
HIGD1B	0.05365187	-0.09384969	0.1926063	0.0666419	0.07024448	0.1012664	0.4318012	-0.4318012
RTRAF	-0.08775444	0.02959541	0.1488017	0.05500758	0.03191058	0.1140756	-0.03339064	0.03339064
IL6R	0.04191553	-0.09369963	0.08609166	0.06348775	0.01042593	0.04823934	-0.01767947	0.01767947
GTF3C6	-0.04942437	0.06768059	0.1115366	0.1002788	-0.02295237	0.03437672	-0.1652943	0.1652943
RRAGC	0.024083	-0.02666792	0.1418673	0.02723395	-0.03650057	0.02064784	0.1747803	-0.1747803
TMEM255A	-0.06064882	-0.1207899	0.1624242	0.08134441	0.0432676	0.04692122	0.3242857	-0.3242857
SUMO3	0.00070358	0.07062272	-0.01873313	-0.00423617	0.02293543	-0.06934911	0.00372053	-0.00372053
USP51	-0.00824552	-0.20162	0.09911724	0.0277419	0.01515348	0.01818785	0.2764727	-0.2764727
KRT17	-0.04614176	-0.01622319	0.02795651	0.1263471	0.03825726	0.05533794	0.04696608	-0.04696608
SLC49A4	0.02087132	0.04919195	0.00554147	0.01293874	-0.0592903	-0.00183618	-0.07489141	0.07489141
DOHH	-0.05706855	0.04140322	-0.03174987	-0.08778362	-0.02919064	-0.02109659	-0.00972381	0.00972381
BAG4	-0.09459672	-0.01036588	0.1605584	0.02581843	0.02592899	0.05683259	-0.1045212	0.1045212
BCAT2	-0.08934069	-0.03889107	-0.02740835	-0.07485263	-0.03268828	-0.01346292	-0.1296852	0.1296852
LYG1	-0.00798091	0.2345005	-0.05805554	-0.04580039	0.1009219	-0.02795559	-0.146908	0.146908
EEF1D	0.04970745	0.08409904	-0.06205881	-0.03243917	-0.03849606	0.01350157	-0.03439686	0.03439686
COX5A	-0.063812	0.08698344	-0.06343244	-0.0929277	-0.05896698	-0.00570633	-0.2600482	0.2600482
PRPF40A	0.00970905	0.1268689	0.1472489	0.08338084	-0.00599706	0.1166445	-0.224705	0.224705
ADAMTS6	0.08607475	0.01616053	0.1223385	0.06916763	-0.00741912	0.09051612	0.1333294	-0.1333294
ATP5F1E	-0.03191602	-0.04682817	-0.00258581	0.00303709	-0.03706735	0.03446932	-0.06021275	0.06021275
CEP95	0.05691354	0.1528956	0.07755171	0.08117825	0.07883425	0.06635993	-0.1405199	0.1405199

ACAA2	-0.1071124	0.135065	0.1334219	0.04702547	-0.03850348	-0.05660795	-0.1039874	0.1039874
HARS	-0.02145991	0.02659698	0.02095294	0.04065995	0.01652786	0.07275243	0.02614016	-0.02614016
BAG6	-0.0340057	0.0776601	-0.05349345	0.01291913	-0.02950613	-0.0138666	-0.1071994	0.1071994
CARD9	-0.01094919	0.1333911	0.0584094	0.05875581	-0.02628876	0.02659931	0.04509754	-0.04509754
AFF1	0.03466662	-0.04412668	0.1271417	0.08812395	0.02426549	0.0743088	0.0612941	-0.0612941
IL1RAP	0.09614974	-0.01787664	-9.01E-05	0.0241344	-0.02106927	-0.04028695	-0.00581359	0.00581359
UTP6	0.01777099	0.06633213	0.08099699	0.02899128	0.03260606	0.07063857	-0.1775006	0.1775006
ATF3	0.05779943	0.03745598	0.08398664	0.03340228	0.07794995	-0.06794812	0.05048212	-0.05048212
ZNF596	-0.0379347	0.04316669	-0.02168144	-0.04085989	-0.05840369	-0.122788	-0.01987216	0.01987216
BIRC5	-0.05294028	0.05512417	-0.05602703	-0.05574037	-0.03243541	0.00764459	-0.2293396	0.2293396
CDK13	0.05933308	0.00993298	0.1353767	0.09441871	-0.0054458	0.096841	-0.1510912	0.1510912
TRIM13	0.06286472	-0.05259114	0.09490755	0.00082304	-0.01385371	0.07534802	0.04409841	-0.04409841
SLC35E3	0.07564798	-0.03420406	0.09406274	0.02980136	-0.03875213	0.06294391	0.11683	-0.11683
AADAT	-0.00145994	-0.07171803	0.1059476	0.1321953	0.06036773	0.1553555	0.00970001	-0.00970001
TNFRSF10D	0.03049269	0.104318	-0.06282319	0.02625532	0.00152751	-0.0230574	-0.09395734	0.09395734
NEK11	0.03997954	0.07907041	0.05616469	0.03641565	-0.01700234	0.06911129	-0.1036023	0.1036023
PARN	0.00650391	0.05562739	0.1693868	0.08375795	0.1299192	0.06000232	-0.07760636	0.07760636
DUS1L	0.03816763	0.1150702	-0.09449809	-0.02897205	0.02220107	-0.03716397	-0.1933599	0.1933599
NPIP4	0.1462885	0.102139	0.08189184	0.1666931	0.1117836	0.06046808	-0.02760038	0.02760038
AC091167.6	0.05024006	-0.06871872	-0.05446965	-0.01219052	-0.04189177	-0.05254838	-0.09519157	0.09519157
ZDHH14	0.01246446	0.00898074	0.04138264	0.04414819	0.03552793	0.00665924	-0.03564682	0.03564682
PPP4R2	-0.01029539	0.03394005	0.06898641	-0.00286371	-0.05028601	0.02590581	-0.1691876	0.1691876
PSTPIP2	0.04181894	0.05235475	0.06695339	-0.04874444	-0.01238586	-0.00780155	-0.044175	0.044175
MYL12A	-0.0807232	0.08764323	0.05077518	0.01208267	-0.01666948	-0.01671289	0.05444909	-0.05444909
YY1AP1	-0.0149654	-0.03637061	0.02609451	0.04258262	0.06216371	0.01501628	-0.05811028	0.05811028
ATP5PB	-0.05233061	0.0636043	0.02350305	0.02894643	-0.04312094	0.01959744	-0.2920395	0.2920395
CXCL12	-0.03925907	-0.1497273	0.1058693	0.07828972	0.03184935	-0.070315	0.4357402	-0.4357402
NSUN4	0.00942856	0.07301263	0.0341279	0.03353713	0.05211734	0.07032291	-0.1684697	0.1684697
ARAP3	0.1277505	-0.07944946	0.0780247	0.1236047	0.01806473	0.1122618	0.04514984	-0.04514984
PSIP1	-0.03524228	-0.06650192	0.1641665	0.04522414	-0.00708863	0.04565956	0.07670659	-0.07670659
DDX59	-0.08387022	0.02519941	0.08760739	2.71E-05	-0.01432721	-0.04955178	-0.06986505	0.06986505
TRAF3	0.04391493	0.0248361	0.0920916	0.04154057	0.09716196	0.08122144	0.06549938	-0.06549938
UNC13B	-0.00373277	0.01334451	0.0041982	0.02114531	0.04704958	0.1058513	-0.1691025	0.1691025
TMEM35B	0.05777526	-0.03250145	0.1005321	0.02614317	0.140957	0.01362674	0.2252348	-0.2252348
MYBBP1A	-0.00347701	0.1052147	0.106146	0.03163096	0.02523263	0.09315469	-0.1023982	0.1023982
LINC00672	0.0970081	-0.04244302	0.05116105	0.0628126	0.02542999	0.00707523	0.1103668	-0.1103668
VMAC	0.00104571	-0.1083717	0.06057895	0.00587125	0.04064578	0.00521464	0.179793	-0.179793
CLC	0.04870351	-0.04501709	0.09321207	0.1291708	-0.02898799	-0.1438956	0.0851289	-0.0851289
GTPBP8	-0.02655455	0.01655777	0.1184915	0.02796891	-0.06870592	0.08661618	-0.08245021	0.08245021
BCL11B	-0.01274154	-0.01386252	0.1590464	0.04894193	0.07889678	0.09484071	0.00537751	-0.00537751
MT-ND4	0.03893178	0.01631724	0.01358681	0.03393402	0.00855958	-0.07811082	-0.06216721	0.06216721
FLRT2	0.01224938	-0.2014346	0.1581785	0.09097448	0.0287593	0.02920375	0.4378742	-0.4378742
THADA	0.0734638	-0.00785768	0.1284012	0.09730579	0.07021151	0.1042996	-0.1154384	0.1154384
ETV6	0.09371335	-0.0070283	0.136818	0.01208338	0.06284034	0.02424117	0.07253839	-0.07253839
EXOSC6	-0.01173377	-0.1223814	0.1984911	0.02929893	0.07419157	0.117028	0.03433292	-0.03433292
RNF13	-0.00961144	0.01898159	0.1634893	0.1107197	-0.02316619	0.03678628	-0.00204845	0.00204845
TNS1	-0.04578405	-0.1620483	0.1215125	0.04434471	0.00213988	0.00093392	0.409965	-0.409965
POLR1C	-0.00711051	0.2262215	-0.07496186	-0.07453777	-0.01720514	-0.05057312	-0.2419854	0.2419854
WDR83	0.07496409	0.02486945	0.012892	-0.02536911	-0.02149193	0.00587198	-0.01698801	0.01698801
BCAT1	-0.09366348	-0.03231701	0.08000102	-0.04113315	-0.02221927	0.00391745	0.0176647	-0.0176647
AKAP11	0.03330689	0.01500629	0.1419866	0.05916485	-0.02360855	0.1339908	-0.00556994	0.00556994
TADA2B	0.0236671	-0.02815041	0.01908862	0.02199218	-0.05533821	0.0138841	0.00377342	-0.00377342
SLC36A4	0.0054398	0.01804763	-0.02344791	0.04777438	0.06647104	-0.0556722	0.1817964	-0.1817964
GFRA3	0.01291537	0.03911672	-0.07650005	-0.05039343	-0.00132975	-0.09977574	-0.00703718	0.00703718
USH1C	0.04817566	0.1588921	-0.00885339	-0.0266935	0.03301475	0.04725188	-0.2447154	0.2447154
MAN1A2	-0.00742705	-0.04564216	0.1190852	0.1105702	-0.05014182	0.04220506	-0.0219841	0.0219841
RBP2	-0.03397154	0.00693076	-0.00049253	0.00122651	-0.01598072	-0.03552849	-0.09413711	0.09413711
CD8B	0.01164809	0.04666086	0.03002769	-0.04659694	0.02000304	-0.03856434	0.02046963	-0.02046963
LUC7L	0.00244576	0.06810017	0.06166507	0.05238156	-0.01261189	0.06500077	0.00078328	-0.00078328
KIF27	0.03557447	0.02536942	0.09726233	-0.02141163	0.00966339	0.06950461	-0.1232418	0.1232418
HACD3	0.01562218	0.05784339	0.05144903	-0.02159265	-0.0200981	0.03013555	-0.297084	0.297084

APOD	0.02591484	-0.1627188	0.07504486	0.0283129	0.02123442	0.02008316	0.2450948	-0.2450948
NUDT18	-0.04612602	-0.03713543	-0.02237849	-0.02129611	-0.06893306	-0.02013638	0.07033756	-0.07033756
RBM19	0.07434556	-0.04497718	0.1066328	0.03073215	0.02952134	0.1321847	-0.01056488	0.01056488
GPR1	-0.0173405	-0.03159017	-0.02807012	-0.06348488	-0.00555884	-0.07459061	0.3176678	-0.3176678
ZNF66	0.07708162	0.02967284	0.07853848	0.0736575	0.07399926	0.02323522	-0.1576597	0.1576597
MT1F	0.04189223	-0.07956514	-0.1256535	-0.03670583	0.00858919	-0.09864293	-0.09005172	0.09005172
7-Mar	0.01624127	0.04800411	0.09291735	0.08007956	0.01082259	0.02416932	-0.07084793	0.07084793
TRIM8	0.04098055	-0.06247585	0.00925777	0.03034111	-0.02457109	0.04504317	0.1861812	-0.1861812
ATG13	-0.00694242	0.05371807	0.01588405	-0.00232501	0.00397618	0.05389127	-0.00274979	0.00274979
RALBP1	-0.04176297	0.0473557	0.06389166	0.07164654	-0.04686533	0.03451925	-0.06506472	0.06506472
WRAP53	-0.07427436	0.06248607	-0.00321049	0.00629861	-0.00233585	0.01811559	-0.1155066	0.1155066
TYRO3	0.0282354	-0.07580286	-0.01328803	0.06501394	0.00204936	0.04074204	-0.08533596	0.08533596
PRRC2A	-0.00646731	0.03084163	-0.04205548	0.00191989	-0.00834574	0.01787567	-0.05200012	0.05200012
POMT2	0.02747795	0.00701489	0.00872914	0.02339757	0.01626396	0.08473794	0.00233039	-0.00233039
IL6ST	0.05634441	-0.1379101	0.1988718	0.1516092	0.01324383	0.04519633	0.3299582	-0.3299582
AC090004.1	0.08508111	0.1107286	0.03506578	0.1088368	-0.01633067	0.1125183	-0.0550634	0.0550634
SKAP2	0.01921739	-0.03348976	0.1478876	0.06284709	0.00766641	-0.00691299	0.04597187	-0.04597187
NRXN3	-0.07155279	-0.1257947	0.1000999	-0.01030397	-0.02759323	-0.00960572	0.338941	-0.338941
PSMA2	-0.04737528	0.01847213	0.01948186	-0.01381108	0.00921823	0.01817838	-0.03355535	0.03355535
SBSPON	0.01838792	0.02361238	0.00458939	-0.04481719	-0.05816385	-0.05455694	0.226076	-0.226076
TREML2	-0.05937733	-0.03054635	0.06921708	-0.00329946	0.00866823	0.05999981	-0.04313417	0.04313417
SNX10	-0.04880044	0.02743854	0.1506363	0.01853514	-0.01265767	0.05538313	0.02941243	-0.02941243
SFXN5	0.103396	0.0373613	-0.03618459	0.06360866	-0.03810067	0.02166125	-0.1113994	0.1113994
DYNC1LI2	0.08747197	0.02472952	0.1404281	0.07760316	0.09854844	0.0483548	0.06952232	-0.06952232
C5	0.00230381	-0.1411143	0.04934367	0.07808528	0.01950642	0.1038187	-0.02577061	0.02577061
L3MBTL2	-0.01132408	0.05475985	0.07952709	-0.03102721	0.02526447	0.02640677	-0.04691185	0.04691185
RYK	0.02081635	-0.02531023	0.09296387	0.07711027	-0.02704073	0.03521273	0.06536792	-0.06536792
GOT2	-0.02114882	0.03343429	0.07768925	-0.04719273	0.05775862	0.03777631	-0.2208965	0.2208965
ACAT2	0.01005526	0.1392878	0.01024381	-0.00282863	0.06416305	-0.02953057	-0.3245205	0.3245205
ANKRD65	0.05993906	-0.05782845	-0.0903399	-0.07252454	-0.04601349	-0.08818108	0.1061984	-0.1061984
SYTL4	0.09836597	-0.00484488	0.1051324	-0.0210338	-0.00754776	0.0633258	0.1197954	-0.1197954
EPOP	-0.08888212	0.04746605	0.02039147	-0.05579797	0.03909906	0.04406751	-0.1204649	0.1204649
TRIP6	0.01662369	0.01575115	0.08122295	0.01673681	-0.01445638	0.00903099	0.05309624	-0.05309624
TTC38	-0.0276635	0.09803899	-0.00060056	-0.02928057	-0.01459086	-0.01132345	-0.2829388	0.2829388
MDC1	0.03680707	0.02780015	0.01064089	0.02452412	0.01536333	0.03787153	-0.08857272	0.08857272
ZNF385B	0.01106931	-0.1126785	0.02147012	0.03462391	0.02535762	-0.04870535	0.1274467	-0.1274467
ECRG4	-0.06112419	-0.09910842	0.06053736	0.02115544	-0.01833674	-0.01612566	0.2876099	-0.2876099
FAM71F2	0.01895069	-0.03473659	-0.01196113	0.00263004	-0.05304378	0.0065396	-0.05897662	0.05897662
DDX18	-0.05108631	0.08643459	0.1404339	0.0695132	0.01331875	0.09105252	-0.2625051	0.2625051
FAM168B	0.0244799	-0.04001534	0.07647904	0.08376397	0.02321964	0.03785103	0.02688791	-0.02688791
ARMH4	-0.03492557	-0.1385184	0.2225507	0.1038953	0.00773018	0.08687582	0.5382285	-0.5382285
AJM1	-0.02392842	0.03003264	0.02184291	0.02192275	0.06365247	0.03504877	0.1290177	-0.1290177
IER3	-0.06171135	0.01381271	0.04033341	0.00707324	-0.02943094	-0.01011214	-0.06474464	0.06474464
FER1L6	0.05128171	0.00144737	-0.08307681	0.05622733	-0.06665114	-0.01242587	-0.1791296	0.1791296
NPAT	-0.01091226	0.03115928	0.174806	0.06483832	-0.01984102	0.1015934	-0.07759353	0.07759353
GADD45A	0.07229922	0.02886758	0.04846382	-0.07207005	-0.05208134	-0.04315709	0.1404928	-0.1404928
FOSL1	-0.00558794	0.01767094	-0.02751433	0.06314005	0.05730709	0.06141154	0.00560595	-0.00560595
CHKB-CPT1B	0.0493404	0.1528496	-0.04568566	0.02061183	0.09822528	-0.00960764	-0.1768098	0.1768098
MYPOP	0.01643364	0.01736898	-0.1062193	-0.03286157	-0.07630419	-0.03289052	0.01472489	-0.01472489
TRIM65	-0.05351588	0.07914207	-0.00261167	-0.01470708	0.06892911	0.04577303	0.06554874	-0.06554874
PALB2	0.0233473	0.09367915	0.1651318	0.04134813	0.04235835	0.1108749	-0.2007327	0.2007327
PCDHGA1	0.01828496	0.1305605	0.02719975	-0.0174678	0.05181117	0.03545835	-0.04177916	0.04177916
CKLF-CMTM1	0.04876484	0.05830255	0.1054041	0.05218752	0.08503283	0.07821914	0.01098327	-0.01098327
SPECC1	0.08614638	-0.04438853	0.07817918	0.0812428	-0.0422407	0.14938	0.1185064	-0.1185064
PLCG1	0.1356947	0.01266515	0.1113877	0.05682431	0.01185904	0.07886558	0.0828805	-0.0828805
PANX2	-0.03480916	-0.01528845	-0.06012242	0.04174877	0.00301685	0.00505783	-0.02682117	0.02682117
HMGN4	-0.07859196	0.09988473	0.1899247	0.01234124	0.04845465	0.07264782	-0.07224551	0.07224551
NCSTN	0.03343022	0.06090456	0.02703817	0.05286379	0.05105234	0.05153243	-0.149977	0.149977
MMD	0.02766811	-0.00921805	0.08874282	0.01643145	0.1012361	-0.01428647	0.1664085	-0.1664085
AMMECR1	0.05454109	0.05700993	0.03067999	0.02760043	-0.07157398	0.05358658	-0.2846799	0.2846799
PEA15	0.00960542	-0.1108691	0.07969561	-0.03606225	0.04339704	-0.03515924	0.5168235	-0.5168235

TAF1	0.08599039	0.04794874	0.1391977	0.02457144	0.0416881	0.1109141	-0.06086266	0.06086266
IL15	0.02943289	0.1407621	0.1500515	0.06981956	0.03383178	0.05563691	0.1349771	-0.1349771
GOLM1	-0.03564137	0.08272072	-0.07743582	0.1049221	0.00548027	-0.00379082	-0.2677053	0.2677053
SHC1	-0.00227762	0.00373302	-0.00383591	0.0461951	-0.00185085	0.00269659	0.1700167	-0.1700167
C17orf58	-0.00757874	0.06839515	-0.01390095	-0.03991224	-0.02575611	-0.03692634	-0.1082705	0.1082705
RRBP1	0.1548865	0.1098648	0.05589544	0.02281865	-0.03963435	0.01782921	-0.125589	0.125589
RPTOR	0.0752322	-0.01110458	0.03116002	0.03602022	0.04958168	0.0596953	0.00698667	-0.00698667
CATSPER2	0.143343	0.07390991	0.03582245	0.04590229	0.0040883	-0.01252425	-0.1227791	0.1227791
ZNF549	0.04637327	-0.04154153	0.06310676	0.01177398	0.0114572	-0.00953781	0.1153913	-0.1153913
ASAP2	0.04523641	0.08378216	0.07818768	0.08195357	0.03997592	0.1003008	-0.1621781	0.1621781
ASB12	0.07192906	0.02456614	-0.04208389	-0.01469327	-0.00831824	-0.04631391	-0.06253161	0.06253161
VPS13B	0.06422286	0.07569307	0.09975989	0.04652912	0.04284697	0.04578072	-0.01295486	0.01295486
DAB2IP	0.06971811	0.0619624	0.0434662	-0.1042029	0.03928315	0.02291618	-0.05354996	0.05354996
TTYH3	0.1721826	0.04474587	0.06449871	-0.00204388	0.02967642	0.05221069	-0.00311832	0.00311832
C11orf24	-0.037745	0.04878471	0.00157731	0.00741488	-0.05007963	0.06658268	0.0604203	-0.0604203
ZNF133	0.04705655	0.1221543	0.03546565	-0.01189731	-0.0412563	0.00120099	-0.08829136	0.08829136
HES6	0.03377633	0.07085403	-0.0613595	-0.1352633	-0.01208389	-0.1150021	-0.04863196	0.04863196
PLN	-0.03137892	-0.1442014	0.08278544	0.01867924	-0.01516061	-0.05764838	0.3457946	-0.3457946
NDNF	0.04729561	-0.05375203	-0.06396267	0.00743693	-0.04190211	-0.06135552	0.1400532	-0.1400532
FOXK2	0.00335684	0.05662019	-0.00055915	-0.01497562	0.0524794	0.04112918	-0.06043236	0.06043236
ETHE1	-0.08925501	0.1749895	-0.04657739	0.00141728	-0.03125537	-0.03228099	-0.1870729	0.1870729
KCNK2	0.01626709	-0.1692146	0.118979	-0.0075627	0.02278554	-0.1297817	0.3269448	-0.3269448
NKD1	0.08109773	0.00084882	-0.1022492	-0.1094701	-0.05150392	-0.07782801	0.01631773	-0.01631773
COL17A1	0.05837203	0.00518899	0.01431787	0.00410153	-0.02299742	0.02335441	-0.08884771	0.08884771
SNRPC	-0.01868443	0.08842093	-0.00527966	0.00455541	0.0043125	0.05585628	-0.2016518	0.2016518
ZNF391	-0.09778074	0.04598237	0.03406893	0.01791185	0.04865772	-0.02536299	0.03114549	-0.03114549
SAV1	0.00018598	0.04569661	0.1440335	0.00783348	0.08187362	0.04868319	0.08707251	-0.08707251
IPO5	0.01553278	-0.00561282	0.1050044	0.06969062	0.0263908	0.07468521	-0.1337998	0.1337998
AGR3	0.00465288	0.05407553	-0.00081819	0.05232424	-0.04500883	-0.00059089	-0.2382766	0.2382766
WFDC1	0.04131565	-0.08922228	0.07378148	0.04721952	-0.01342749	0.03913692	0.3181865	-0.3181865
MRPS7	-0.02332686	0.04304207	-0.1131901	-0.04186748	0.04223718	-0.05849777	-0.123157	0.123157
ACAA1	-0.03786881	0.05625828	-0.0653155	0.02434141	-0.02524344	0.04221064	-0.2157566	0.2157566
CCL4	0.00292638	0.07580702	0.09218054	-0.03839612	-0.05771512	0.00248772	0.144433	-0.144433
NDFIP2	0.07314121	0.1614581	0.05207105	0.04827755	0.01375579	0.08078658	-0.294651	0.294651
DMTF1	0.01349899	0.07409897	0.09751473	0.09948835	-0.00518965	0.09701474	0.02365622	-0.02365622
EFL1	-0.07213844	-0.1096529	0.06520081	-0.0662578	-0.01638403	0.03252176	-0.05051732	0.05051732
WNT7B	0.05539286	-0.03630628	-0.05409503	0.05353858	-0.01652114	0.06724004	0.1059696	-0.1059696
PLEKHA4	0.03024458	-0.07367507	0.07786384	0.1172952	0.01832312	0.07727465	0.2503671	-0.2503671
RPL24	-0.1011773	-0.0711801	0.1302257	0.03546956	-0.07809282	0.09594462	-0.02106095	0.02106095
HEG1	-0.05211124	-0.1036112	0.1617715	0.1048649	0.0038906	0.08647732	0.4277758	-0.4277758
DPM1	0.07340976	0.09567043	0.0232195	0.01880055	-0.03803275	0.02489436	-0.1953899	0.1953899
EDA	-0.09027633	0.04792596	0.01840167	0.07107023	-0.03760597	0.06805658	-0.06413444	0.06413444
IPP	0.04377663	-0.05447646	0.1345573	0.06709393	0.04222585	0.07862325	-0.0242021	0.0242021
SPACA6	-0.02257749	-0.07582611	0.05202989	0.05730088	0.00809731	0.06817004	0.2582905	-0.2582905
NBPF14	0.08542247	-0.0481796	0.05589305	0.1012163	0.109341	0.08033507	0.1385141	-0.1385141
ACP2	0.02071936	0.01516911	-0.00580526	-0.00478244	0.01477359	0.04633767	0.03863221	-0.03863221
ARL2BP	-0.00444479	-0.1651374	0.07754884	0.00337461	0.04315571	0.00785548	0.3003483	-0.3003483
BRF1	0.01970131	0.06507512	0.03785695	0.03530223	0.00621832	0.08140623	-0.1215533	0.1215533
SERPINB7	0.04207195	-0.05887562	-0.06577774	0.00556247	-0.04197771	0.02275034	0.00302212	-0.00302212
SNORC	0.08663364	0.08325461	-0.1262894	-0.1512593	-0.02448907	-0.1472174	-0.06641001	0.06641001
BMF	0.1256093	-0.02366588	0.04145388	0.03264189	-0.01620495	0.03130101	0.1465439	-0.1465439
CTNNA1	0.02381208	0.05930052	0.00032286	-0.04343971	-0.01526369	-0.00480748	-0.01529151	0.01529151
POLB	-0.08730426	0.02703153	0.06445892	-0.05364038	-0.05583328	-0.06540629	-0.1604772	0.1604772
KDM3B	0.00046353	0.02306546	0.1256234	0.1020175	0.03991126	0.1466877	-0.04868813	0.04868813
CDC123	-0.110011	0.1049897	0.1085851	0.00317645	0.03142387	0.08576769	-0.2110899	0.2110899
CD5	-0.00115603	-0.00914129	0.01768915	-0.0564032	-0.01988969	-0.01584776	0.08519981	-0.08519981
STRADA	0.04136877	0.02401263	0.03901091	0.03333091	0.08816634	0.02356954	0.0967589	-0.0967589
ZPR1	-0.06309242	0.04384332	0.01288051	-0.00845872	-0.04188293	0.05123465	-0.2277281	0.2277281
HIVEP3	-0.0696529	0.02583028	0.01750431	0.00354438	0.01056387	0.06367653	0.06074753	-0.06074753
SH2D3C	-0.0142093	-0.05981456	0.1106221	0.03319765	0.05149063	0.05646968	0.4156961	-0.4156961
LIN7A	0.01259464	-0.02738934	0.0465403	0.00917451	-0.0373177	-0.0065795	0.08628303	-0.08628303

GABRD	-0.00439525	0.08597773	0.1173868	0.00857679	0.0374989	0.1139784	0.1000447	-0.1000447
GZMB	-0.03160272	0.07704934	0.1122775	-0.06420711	-0.0228121	0.07119385	0.01304277	-0.01304277
PANK2	0.08106712	-0.002435	0.06754327	0.00365187	-0.04612765	0.02000225	-0.00638272	0.00638272
ZFP1	-0.04179203	-0.06424559	0.1917437	0.1069325	0.02172587	0.1054476	0.1476484	-0.1476484
ABCA12	0.09066187	0.07624171	-0.00453206	-0.0265814	-0.00887522	-0.0033898	-0.1222055	0.1222055
GRAP2	-0.00200955	-0.05661034	0.1807258	0.07049302	0.05439556	0.1079237	0.2000235	-0.2000235
ABHD4	0.1192046	-0.00277701	-0.05482606	-0.00596462	0.00772125	0.03130215	0.06722244	-0.06722244
GPRIN3	-0.09790384	0.08950884	-0.02815019	0.09904003	-0.02468286	0.01339745	-0.1107602	0.1107602
PNKP	-0.00073144	0.02929455	-0.04565597	0.01142572	0.00118756	0.03280997	-0.01186707	0.01186707
VGLL4	0.02965058	-0.01717888	-0.0206572	-0.06925057	-0.01406074	-0.02710189	0.11528	-0.11528
UNK	0.06686253	-0.00060546	-1.69E-05	0.02482812	0.04612944	0.01640234	0.08441337	-0.08441337
SLC25A51	-0.04825937	-0.00918936	0.07338437	0.00104031	-0.02039818	0.06178225	0.04786979	-0.04786979
MCM3	0.0286357	0.06758891	0.00978319	-0.01133317	0.05207993	0.04486488	-0.2606639	0.2606639
SLC35F5	0.09038367	-0.03150076	0.1036939	0.02888536	-0.03788431	0.0742548	-0.1501386	0.1501386
PPP2R5C	-0.1005196	0.0687833	0.1793792	0.08173571	0.03579094	0.08038999	-0.05782086	0.05782086
FAH	-0.09533634	0.02334106	-0.06847111	0.03035779	0.05202358	-0.03130858	-0.08671481	0.08671481
HERC5	-0.1083524	-0.01069854	0.1116002	0.04096206	0.0177956	0.02466147	0.2178309	-0.2178309
PLEKHA7	0.04684904	0.05732436	0.0220193	0.01232791	0.05167257	0.09656216	-0.246498	0.246498
COMMD5	-0.05770049	0.1178865	-0.0805026	-0.08385263	-0.03067895	-0.05647608	-0.06851926	0.06851926
STIM2	-0.01310099	0.121116	0.06972722	0.04741151	-0.01539812	0.03171431	-0.1150901	0.1150901
ZNF710	0.1427709	0.01037346	-0.05752881	-0.02171201	-0.03464633	0.04236847	-0.08210639	0.08210639
NECAB3	0.04330892	0.0516662	-0.1373515	-0.102539	-0.07663669	-0.08762381	-0.1685566	0.1685566
ZNF546	0.02269845	-0.09035691	0.06010418	0.05043553	0.01606096	0.00414565	0.1497442	-0.1497442
HK2	-0.08341281	0.0900979	0.05291293	0.08953742	-0.00880765	0.129859	-0.2190223	0.2190223
RMI1	-0.0682042	0.06323889	0.08642036	-0.02205558	-0.02638917	0.06652999	-0.2811966	0.2811966
CDK6	-0.02799097	0.02821187	0.02130792	0.02180612	-0.03950096	0.04869242	-0.01346338	0.01346338
GATD3A	-0.03777146	-0.05444042	0.01523071	-0.03576563	0.02493097	0.03195219	-0.04240733	0.04240733
STK38L	0.01648688	-0.01255893	0.1477274	0.05806367	0.0137706	0.08987565	0.0269559	-0.0269559
GATA2	-0.03304162	-0.081879	0.07908262	0.05492796	0.01727509	0.03512255	0.2325872	-0.2325872
B3GAT3	0.02322416	0.05321701	-0.08793939	-0.08368727	0.04103569	-0.04047279	0.1028239	-0.1028239
ZBTB80S	-0.07462503	0.08910177	-0.00635963	0.02849708	-0.01217068	-0.00216905	-0.04643291	0.04643291
DAPK1	0.04015319	-0.04482423	0.00083735	0.1053627	0.0526799	0.101991	-0.01616329	0.01616329
ADGRD1	-0.02580486	-0.1895413	0.1044535	0.05951662	-0.00972843	-0.00806432	0.3672571	-0.3672571
PPP2R2D	-0.02492427	0.03823403	0.02623253	-0.03156192	-0.02394648	0.00834874	-0.01936632	0.01936632
RALGDS	0.02449948	0.06987844	0.051156	-0.01782409	0.02851837	0.09016622	-0.00132715	0.00132715
SH2D2A	-0.1571027	-0.02400945	0.1586905	-0.00930053	0.03729151	0.1082996	0.00369769	-0.00369769
ZFYVE1	0.05593317	-0.07884891	0.03501038	0.0211254	0.02182041	0.03175919	0.2370464	-0.2370464
CHCHD7	0.01458603	0.07477374	-0.02249988	-0.02657825	-0.08032768	-0.03643571	-0.1867775	0.1867775
LURAP1L	-0.04348406	0.08130921	0.08566002	-0.06863642	0.04422353	-0.02081958	0.1318358	-0.1318358
CA14	-0.02896686	-0.134686	-0.0065534	-0.03633922	-0.03961926	-0.05982394	-0.06713491	0.06713491
NAP1L5	-0.06101385	-0.1075591	0.05648358	0.06676246	-0.02194169	-0.0598684	0.306098	-0.306098
RAB27A	0.00799661	-0.03653354	0.1075351	0.1141291	-0.05153051	0.01749816	-0.02285696	0.02285696
ECPAS	0.01099458	0.04449527	0.1076427	0.04276492	-0.00382705	0.09999236	-0.1852178	0.1852178
ANP32E	-0.04837898	0.07775985	0.03783347	-0.0398095	0.02637807	-0.02131772	-0.1438878	0.1438878
GHR	-0.06222986	-0.1698745	0.1131437	0.1138427	0.00526593	0.02957522	0.4312625	-0.4312625
ZNF16	-0.02262174	0.1555707	-0.00330444	-0.02148593	-0.00159198	0.00648096	-0.2051329	0.2051329
SLC2A5	-0.08828123	0.04805474	0.1241238	0.0219332	0.05077105	-0.04340646	0.1291717	-0.1291717
EFNA4	0.04918134	0.08692957	-0.09668388	-0.1058276	-0.00667925	-0.06032213	-0.1832169	0.1832169
PARP12	-0.02444377	0.1802147	0.1020559	-0.01290778	0.02172672	0.06858637	-0.1544938	0.1544938
SEPHS2	0.132758	-0.01022585	-0.01276878	0.07249926	0.08067822	0.01754472	-0.1349998	0.1349998
RBM26	0.00732396	0.02462921	0.1181193	0.1228005	0.03847609	0.166696	-0.05507132	0.05507132
HHEX	0.0256671	-0.07615804	0.01027834	0.04863028	0.04736845	0.0294382	0.0438962	-0.0438962
RNF34	-0.07579301	-0.03137925	0.07870043	-0.00947526	-0.01680838	0.1070111	-0.110403	0.110403
LCN2	-0.05352274	-0.01973275	-0.03965179	-0.03924623	-0.01265803	0.00728404	-0.1046298	0.1046298
PIP4K2A	-0.00519476	-0.1272054	0.2344363	0.1312396	0.07387221	0.06780186	0.335717	-0.335717
TNFSF13B	-0.03124859	0.0064847	0.2530589	0.0701135	-0.00100996	0.03095093	0.2380903	-0.2380903
SLC38A9	0.07199284	-0.00988261	0.0872733	0.0634362	-0.02253183	0.09548244	-0.06457948	0.06457948
CAPG	-0.02991388	-0.01585736	0.03163333	0.0136948	0.08405559	0.00283634	0.0898959	-0.0898959
ZNF814	0.03860536	0.00386602	0.01550228	0.05503929	0.00766379	-0.01335167	-0.02683525	0.02683525
GPR155	0.02776417	-0.07797276	0.01051371	-0.04678191	-0.01160117	-0.05848662	0.2096551	-0.2096551
ZNF83	-0.03791957	0.0131661	0.02176337	-0.00540065	0.03725763	0.01617696	0.03536357	-0.03536357

PTGIR	-0.00832768	-0.1097051	0.1555436	0.04572779	0.06523097	0.05052408	0.5784012	-0.5784012
FADS1	0.02474259	-0.02260263	-0.00410889	0.03882806	0.05911226	0.08243416	0.1138871	-0.1138871
PDXDC1	0.09887167	0.1090876	0.03433504	0.0935109	0.09844126	0.05323345	-0.2285478	0.2285478
TNIP2	-0.04271965	0.04744648	-0.03604197	-0.01854858	-0.00050777	-0.01085388	0.02693005	-0.02693005
VSIG2	0.04041874	-0.07493395	-0.08204036	0.07489447	-0.0992731	-0.0485232	-0.1701745	0.1701745
SLC28A2	0.09172785	0.00752074	-0.09475935	-0.0615447	-0.08368559	-0.04816015	-0.1630305	0.1630305
ZNF568	-0.00967036	-0.1065902	0.06056948	-0.01747903	0.02981721	-0.03803805	0.2150261	-0.2150261
SHROOM1	0.07254008	-0.00831272	6.69E-06	0.01189707	-0.02810142	0.06006328	-0.1279454	0.1279454
IRF9	0.04072539	0.1562357	0.06258587	0.06262091	0.04478799	0.07141173	-0.05173767	0.05173767
NDUFAF4	-0.1484947	0.04443794	0.06159485	-0.02254447	0.03163424	0.04733722	-0.1972363	0.1972363
HAND2	-0.05741459	-0.1695799	0.1110239	0.00995123	0.01663284	-0.03768644	0.3797855	-0.3797855
STAT3	0.06694336	0.02861026	0.1559307	0.05193331	0.07958795	0.04910381	0.1040522	-0.1040522
SSH2	0.09660529	0.05465689	0.03894783	0.0386862	0.03736965	0.01761031	-0.03731476	0.03731476
KLHDC1	0.01644801	-0.1333021	0.04118945	0.02888187	0.04149337	-0.04812433	0.3280631	-0.3280631
DUSP7	-0.01013225	0.00781197	-0.06928906	-0.03073844	0.00073637	-0.011455	-0.02399372	0.02399372
DDX39B	0.02617915	0.1611894	-0.01376825	0.05371233	-0.00369644	0.01625785	-0.1668316	0.1668316
CALML4	-0.04543769	0.129748	-0.00687183	0.00333966	-0.00136624	0.00772872	-0.2186511	0.2186511
NOL12	0.01799283	0.1542741	-0.0965621	-0.1238529	0.0138895	-0.04609049	-0.1329272	0.1329272
RTF2	0.06024656	-0.01005582	-0.03815665	-0.00871225	-0.01315537	-0.00021975	-0.09080119	0.09080119
MYORG	0.02062447	0.04326147	0.02830018	0.01004961	0.01264143	0.08910557	-0.2345059	0.2345059
C2	-0.03077229	0.1619443	0.03150422	-0.01764575	-0.04953246	-0.00792233	-0.1078339	0.1078339
SMIM10L2A	-0.04879359	-0.05797565	-0.07223975	0.01117763	0.01792882	0.02421705	0.02480904	-0.02480904
RRAGA	0.0223255	-0.06614871	-0.0023346	-0.06988112	-0.01600859	-0.09336294	0.2704193	-0.2704193
IL2RG	-0.06984268	0.04541162	0.08011463	0.00597727	0.07490176	0.09907014	0.00763686	-0.00763686
PDLIM4	-0.02513172	-0.08454785	-0.02905766	-0.02644717	-0.00796428	-0.0542752	0.4638888	-0.4638888
ZNF124	0.06795203	0.01913679	0.1051868	0.03338391	0.0419147	0.04780408	-0.1697234	0.1697234
AKAP8	0.06914196	0.1019406	0.07644528	0.02901258	0.09999542	0.07258734	-0.1949992	0.1949992
KIF3A	0.0168684	-0.01612443	0.1397199	0.08642058	-0.02911088	0.1402668	0.02477521	-0.02477521
CDK11A	0.03865484	0.106075	0.01469546	0.08963109	0.07239996	0.01085625	-0.1226727	0.1226727
ANXA4	-0.016967	0.1290099	0.06201081	0.03105094	0.07019954	0.07298774	-0.2243442	0.2243442
ALOX12	0.03209438	-0.0222357	-0.08115224	-0.00362903	-0.00156985	-0.02928836	-0.04129005	0.04129005
SHISA5	-0.07426118	-0.0126891	0.06085885	-0.00602554	-0.00194447	0.06386011	0.05874767	-0.05874767
MSRB1	-0.04348708	0.0235916	0.01374947	-0.04535865	-0.06827762	-0.03734754	-0.03370749	0.03370749
GNG11	0.00505884	-0.1327992	0.1131664	0.05876092	-0.00697941	-0.0172232	0.4966505	-0.4966505
DCTN6	-0.1391516	0.06692015	-0.02131714	-0.00845321	-0.05753258	-0.1282325	-0.00993398	0.00993398
MMP24OS	0.08384967	0.01135531	-0.09344201	-0.03764943	-0.08133653	-0.08143851	0.07472206	-0.07472206
NT5DC1	-0.0847952	-0.00617984	0.2004871	0.1000688	0.04753406	0.1166139	-0.20678	0.20678
SLF1	-0.01589974	0.01214475	0.1669612	0.07020633	-0.00398339	0.1280298	-0.1168202	0.1168202
HIST2H2AB	-0.01584392	0.03055111	-0.09684163	-0.1603547	-0.07113192	-0.1043856	-0.00116411	0.00116411
BLOC1S5	0.01279449	-0.01477996	0.1293879	-0.00415112	0.06539438	0.05932014	-0.09858578	0.09858578
TNS3	0.1198367	0.05119605	0.08321225	0.01797321	0.02188112	0.08466289	0.04470928	-0.04470928
HIST2H2AC	-0.09576932	0.04622261	-0.08573419	-0.1087888	-0.1038143	-0.06893008	-0.06089211	0.06089211
AP1M2	0.03779916	0.03728046	-0.01902339	-0.06506963	-0.00896332	0.03959685	-0.3339495	0.3339495
PDLIM7	-0.04441674	-0.1462784	0.1000552	0.05002665	0.03595804	-3.76E-05	0.512227	-0.512227
RTL8C	-0.07685317	-0.01490578	-0.01244207	-0.01952768	-0.02421105	-0.05847746	0.3246403	-0.3246403
TNXB	-0.0134834	-0.1436657	0.1058946	0.03082077	0.02679209	-0.00030842	0.3176047	-0.3176047
PELI1	0.04786449	0.05296251	0.05322178	-0.02345551	0.02035997	-0.02190694	-0.08429615	0.08429615
TMEM176A	0.06023917	0.04979971	-0.0472343	-0.09261928	-0.00926129	-0.07665587	0.04251296	-0.04251296
ZNF71	-0.02860818	-0.09195463	0.06277142	-0.01083124	0.04324282	-0.0149513	0.2863975	-0.2863975
NCOA1	0.05019281	-0.03827065	0.1196136	0.09060485	0.00832621	0.01468019	0.06604765	-0.06604765
EIF2A	-0.06790493	0.03411956	0.1476331	0.1383661	-0.0220413	0.117372	-0.1546868	0.1546868
DENND4B	0.06329634	0.00758527	0.05927561	0.07433054	0.06100704	0.1049357	-0.04572816	0.04572816
OSER1	0.03394639	0.08646761	0.01487377	0.06864493	0.01961511	0.05296913	-0.1456931	0.1456931
GIGYF1	0.1424869	0.03587382	0.07568297	0.02583321	-0.0105173	0.04317244	-0.0094083	0.0094083
SERPINA4	0.07236047	-0.05705202	0.03650171	0.02662966	0.08210413	0.02893613	-0.03589903	0.03589903
CTU1	-0.1461003	0.01148408	-0.05691766	-0.09724008	-0.01905034	-0.00109656	-0.02419331	0.02419331
PPL	0.05997058	-0.02023346	-0.1772748	-0.07304366	-0.02493993	-0.07058514	-0.07297547	0.07297547
SPAG1	-0.01824607	0.1110993	0.03493838	0.03823509	0.0914735	0.07559131	-0.08442023	0.08442023
P2RX3	0.04806607	0.1232536	0.04286477	-0.0047015	0.02437071	-0.06923333	-0.1476507	0.1476507
CORO7	0.04293095	0.0496552	0.08560457	-0.00700381	0.06793294	0.01129055	0.06544608	-0.06544608
KIRREL1	0.04693779	-0.06872896	0.1518447	0.08112699	0.03953468	0.07100458	0.4641202	-0.4641202

SLC23A1	0.05219413	-0.04038871	0.00747201	0.06119008	-0.02133983	0.06831036	-0.1181251	0.1181251
S100A16	-0.0213975	0.02722537	-0.1091936	-0.01753763	0.00571944	-0.02333969	-0.1271167	0.1271167
PLEKHA1	-0.02171582	0.07376926	0.05555456	0.02376946	-0.00841291	-0.00111389	-0.03935765	0.03935765
TMEM8A	0.05805105	0.03268169	0.00043684	-0.04352433	-0.03382468	-0.02238723	-0.09077022	0.09077022
USP53	0.05915953	0.09472597	0.04753468	0.05956198	0.00979432	0.04314957	-0.09241657	0.09241657
SLC39A14	-0.07667343	0.00162402	-0.06020515	-0.05970599	-0.05118071	-0.08053887	-0.1724282	0.1724282
LRRC1	0.03178205	0.1306434	0.03468702	0.02015756	-0.0173921	0.03882916	-0.3330734	0.3330734
COL4A2	0.06789456	-0.02498286	0.1334916	0.03325515	0.04247693	0.0627417	0.4384835	-0.4384835
NFYA	0.04383141	0.07563481	-0.01555597	0.00936803	-0.04090684	-0.02606313	-0.1973554	0.1973554
HIST1H2BI	-0.06957728	-0.02077096	-0.05819894	-0.03453479	-0.09288205	-0.05237743	-0.00474575	0.00474575
ZNF623	0.0267386	0.0123335	0.05936119	-0.00013776	-0.00189351	0.08930558	-0.1021458	0.1021458
RAMP2	-0.01310557	-0.1083932	0.05280643	-0.02892047	0.0224852	-0.00512815	0.471917	-0.471917
SMTN	-0.02837426	-0.1376663	0.08634162	0.02949452	0.04015978	-0.04503576	0.3191057	-0.3191057
PHLDA1	0.07045014	-0.07912538	-0.04991511	-0.03233787	-0.02300331	-0.00268886	0.01362658	-0.01362658
IFI6	-0.04886586	-0.03685106	0.02422076	-0.06872375	0.00923779	0.02586823	0.1293718	-0.1293718
LZTS3	0.07833115	0.08861405	0.00773641	-0.05980791	0.02400709	-0.03244983	-0.1442315	0.1442315
C1orf112	0.00835739	0.02815762	0.0664946	0.05800194	0.00903648	0.07135396	-0.2241269	0.2241269
PSME3	0.03143914	0.08299479	0.06690929	-0.03710957	0.06186872	0.07017972	-0.1864897	0.1864897
S100A2	-0.00217374	-0.0400576	-0.166347	-0.04288268	0.00192611	-0.04518888	-0.00468622	0.00468622
TENT4A	0.01800074	0.1307068	0.05632383	0.00076585	-0.02587774	0.06731798	-0.1154114	0.1154114
ZNF277	0.05987099	-0.00865692	0.1808962	0.02896984	0.03811479	0.0927135	-0.06185661	0.06185661
C19orf38	-0.00990838	-0.02370386	0.1093069	-0.00796346	0.01443719	0.00954385	-0.00216585	0.00216585
RTCB	0.02941224	0.07083141	0.0541819	0.00018546	0.05679113	0.00085109	-0.1583128	0.1583128
TPH1	-0.07297814	0.04065121	-0.06212639	0.02694642	-0.02183278	-0.01602079	-0.04251983	0.04251983
RNMT	-0.01591308	0.06631266	0.08975392	0.09806483	0.02625269	0.1082404	-0.1059503	0.1059503
MAP1A	-0.02066209	-0.1750753	0.1210972	0.01721898	0.01629168	-0.02687265	0.4966381	-0.4966381
ATP6V0A2	0.04582721	-0.03077469	0.07798552	0.03028825	0.01500434	0.1229096	-0.1343647	0.1343647
9-Mar	0.0405818	-0.0023997	0.03078204	0.0365625	-0.01702417	0.07630244	0.01232987	-0.01232987
ULBP3	-0.06738937	0.08878757	0.02071136	0.06180345	0.03899496	0.06710368	-0.1184533	0.1184533
TUSC1	-0.01646737	-0.07683407	-0.00993426	-0.01187894	-0.02523065	-0.05110736	0.2621266	-0.2621266
COQ3	-0.1370895	0.09610237	0.08158564	0.01466838	-0.02423793	0.02204648	-0.2383248	0.2383248
LY96	0.03595653	-0.03368947	0.1726841	0.06414371	0.02963481	0.04486523	0.3668441	-0.3668441
KLK11	0.04243987	-0.06275706	-0.1496469	0.00188551	-0.03915872	-0.00270492	-0.06328803	0.06328803
NXP3	-0.01881216	-0.09800416	0.05818201	0.00128432	0.0005315	-0.03330716	0.3956269	-0.3956269
C9orf43	-0.03035157	-0.00019494	-0.03161801	-0.04916023	0.02049147	-0.04835652	-0.1756373	0.1756373
ARL11	-0.01562369	-0.04696896	0.08893479	0.04583533	0.04944836	0.08598487	-0.02480654	0.02480654
SAPCD2	-0.01949981	0.07381594	0.00070037	-0.09574781	-0.01741501	0.01828296	-0.1999799	0.1999799
SLC44A5	0.0178426	0.1167186	-0.06612378	0.09183772	0.03444037	0.05995613	-0.05766045	0.05766045
PLAU	0.05689248	0.0654637	-0.04418642	0.0338637	-0.01707944	-0.01367088	0.1004895	-0.1004895
GINS1	0.03522304	0.07894591	0.06733169	-0.04598476	-0.04959357	0.04342817	-0.2759672	0.2759672
CNPY2	-0.00309025	-0.01434776	0.05810511	0.06945996	-0.00023579	0.07690028	-0.1653133	0.1653133
UGT2B15	0.09326306	0.05782141	0.00381319	0.00726031	0.01939226	-0.03587902	-0.06107663	0.06107663
WDR7	0.00219677	-0.02117472	0.1785017	0.08676197	0.03246528	0.08103478	0.07689903	-0.07689903
SBF1	0.04513547	0.01051044	0.02800394	0.01673182	0.05233956	0.08000994	-0.07398939	0.07398939
TMED1	0.0375374	0.05664599	-0.04561173	-0.05830157	-0.0106912	-0.03665898	0.00491824	-0.00491824
CDC42SE1	0.00928205	0.03560174	-0.04070306	-0.03947548	0.03509127	-0.03985771	0.04305675	-0.04305675
GLIPR1	0.07762376	-0.1179906	0.09988187	-0.00013294	-0.01623693	0.01379514	0.3175043	-0.3175043
ADAMTS8	-0.06286421	-0.09549457	0.1035525	0.07918743	0.1364737	-0.04992372	0.3140731	-0.3140731
ENPP1	-0.01985339	-0.02323935	0.1402914	0.05904683	0.02301684	0.04445159	0.0897404	-0.0897404
UBR3	0.02294678	0.04243015	0.1449034	0.08590092	-0.00184272	0.07953078	-0.1444347	0.1444347
GJB5	0.0234079	0.03755297	-0.1034354	-0.06034003	0.04023422	-0.03435492	-0.1013047	0.1013047
CDK2AP1	0.01031558	-0.02484363	0.03163868	0.0153619	-0.01939739	-0.00383166	0.1740257	-0.1740257
CNTN4	0.0813929	-0.1691669	0.1805482	0.1000549	0.01972386	0.07422689	0.3702332	-0.3702332
MMAB	0.05981313	0.00929686	-0.0362008	-0.05614551	0.00770724	-0.03769726	-0.1997852	0.1997852
PAM	0.04996594	-0.1607621	0.1368961	0.08552219	0.01512093	0.0321175	0.2513067	-0.2513067
CABP4	0.07561872	0.04531438	-0.03027455	0.07763751	-0.01080348	0.01183433	0.01910395	-0.01910395
HOXA2	0.06910899	-0.08601122	0.1033029	0.09123122	-0.01012847	0.05464951	0.1838074	-0.1838074
GK	0.09367444	0.1299583	0.01008556	-0.06082422	-0.03829245	-0.02970153	-0.1142735	0.1142735
CHD4	0.03770365	-0.02846578	0.08195701	0.07487198	0.00834223	0.1241925	-0.0448368	0.0448368
ATXN7L3	0.01563353	0.06210833	-0.0037478	-0.01414995	0.05915454	0.05053504	-0.1014231	0.1014231
EIF1AX	-0.3970954	0.09455351	0.1483936	-0.05240223	-0.04262979	0.07241902	-0.1718618	0.1718618

ZDHHC2	-0.06907377	-0.08844414	0.05742308	0.05966789	-0.03648314	0.01183515	0.1221537	-0.1221537
LSS	0.02454094	0.03518509	0.01451942	0.01776745	0.1012747	0.05551915	-0.0843309	0.0843309
PBX3	-0.05660671	-0.1760246	0.1249377	0.02794998	0.01138514	-0.0790349	0.4367094	-0.4367094
IRX2	0.08833053	0.01418737	-0.008767	-0.03902281	-0.05978629	0.02387015	-0.07918481	0.07918481
ZNF618	0.01203717	-0.00412542	0.0931225	0.0123444	0.00792422	0.0065752	0.1001398	-0.1001398
DUSP16	0.09441683	0.03074641	0.02394799	-0.07733568	-0.06575006	-0.00898503	-0.2064906	0.2064906
ATAD3A	-0.00193503	0.09135352	-0.04508378	-0.00564697	0.08014401	0.02383935	-0.2141003	0.2141003
OGT	0.07514384	0.1305148	0.1025622	0.05444325	0.00542497	0.127551	-0.1396813	0.1396813
ZNF362	0.06340652	-0.163747	0.04400275	0.05365941	0.03055963	0.03058241	0.4107853	-0.4107853
RCE1	0.02933218	0.1558368	-0.08915969	-0.05995725	0.02129623	-0.01255096	-0.06636386	0.06636386
RBBP4	-0.0108499	0.04738325	0.09280107	0.04367504	0.00981636	0.07189636	-0.1045979	0.1045979
DMPK	-0.02692974	-0.1539257	0.07141206	0.02494192	-0.01177889	-0.01321308	0.3508606	-0.3508606
MCM5	-0.06218041	0.04424756	0.01104148	-0.06595713	-0.01330103	0.01554629	-0.1472166	0.1472166
OPHN1	0.1219531	0.04664386	0.07421341	-0.00526273	0.03893589	0.0083609	-0.00494196	0.00494196
HIVEP2	0.0411856	-0.08267817	0.07719269	0.04197968	-0.00041151	0.04246371	0.1229531	-0.1229531
KDM6A	-0.2373428	0.01275697	0.1258407	0.03721939	0.02864941	0.1514914	-0.08517844	0.08517844
PRSS16	-0.01077476	0.1095665	-0.03899775	-0.01294413	0.02946718	0.00245039	-0.2701095	0.2701095
RAB42	-0.09616539	-0.1008775	0.124087	0.05882543	-0.02148447	0.07539977	0.07845639	-0.07845639
CD86	-0.02468995	0.04036673	0.2089673	0.08642429	0.00697715	0.00244577	0.1883543	-0.1883543
ANKRD46	0.04047293	0.00960894	0.08857815	0.04676526	0.03505567	0.1078136	-0.1282426	0.1282426
C15orf61	-0.06124739	0.07063962	0.02570819	-0.05755346	-0.09070028	-0.03862775	-0.1166633	0.1166633
NRIP2	0.03127165	-0.1249298	0.09370698	0.07542956	0.03505721	0.04741374	0.3923124	-0.3923124
FBXO22	0.08612082	0.06638638	0.0781557	0.07317069	-0.00993113	0.07329013	-0.1362741	0.1362741
DBT	-0.00143355	-0.03840673	0.1542616	0.06423187	-0.01631829	0.09564192	-0.04720508	0.04720508
TNFRSF21	-0.03115398	0.04360145	0.04858742	0.05666677	0.01136456	0.06956792	-0.1049854	0.1049854
RAP2A	0.0275759	0.01341858	0.06782672	0.00281929	-0.04018942	-0.00013886	0.00487075	-0.00487075
ITPKA	0.0294959	0.0070809	0.02375869	-0.01624834	-0.08681099	0.01388406	-0.2627529	0.2627529
C5AR1	0.00438885	0.0534496	0.08899238	0.02787407	0.0051978	-0.02765522	0.2147742	-0.2147742
CRY2	0.0350793	-0.01760903	0.09788779	0.06194982	-0.01101907	0.08622175	0.2107016	-0.2107016
C9orf50	0.07604579	0.00467189	0.02465288	-0.02896555	0.00596087	0.01657965	0.02840036	-0.02840036
ARHGFB35	0.02313867	0.1090303	0.02542536	-0.04819233	0.00595128	-0.01500062	-0.2474866	0.2474866
ANKFY1	0.00700386	0.05507682	0.1201047	0.07044506	-0.00307715	0.09180576	-0.0013001	0.0013001
EEF2	-0.0016396	0.07196881	0.09526187	0.03925338	-0.09015542	-0.00286921	-0.1045409	0.1045409
HACL1	-0.04924372	0.06587214	0.06366007	0.04567543	-0.02706376	0.01044269	-0.2362352	0.2362352
HSD3B7	-0.04438372	0.1348698	0.05437485	-0.1107287	0.1084927	-0.01701699	-0.05027844	0.05027844
ZNF624	-0.09401141	0.04397628	0.1812195	0.04442839	-0.03954656	0.01772924	0.0743326	-0.0743326
TACSTD2	0.09153213	-0.03482853	-0.1254855	-0.09406432	0.01967885	-0.04333847	-0.03532893	0.03532893
Orai3	0.08303124	-0.069914	0.00955654	0.01839218	0.0175718	-0.04081816	0.2185254	-0.2185254
SMKR1	-0.163727	0.03406385	0.01887129	-0.06872757	0.06130297	0.03561954	-0.07624628	0.07624628
MMACHC	-0.1196021	0.06535603	-0.00571666	-0.1017668	-0.00749038	-0.02506768	-0.1856845	0.1856845
KLK13	-0.01287671	-0.00451234	-0.1554456	-0.04887875	-0.04375499	-0.05433882	-0.09115159	0.09115159
GTPBP6	-0.06923233	-0.04055392	0.04368648	0.03572701	-0.06804535	0.07680347	-0.06256417	0.06256417
ZNF143	-0.00860408	-0.04176768	0.1382478	0.04325092	-0.00953919	0.09141295	-0.01988257	0.01988257
RTF1	0.04274022	-0.03760745	0.2462948	0.05591609	0.01608068	0.1115124	0.00318063	-0.00318063
CHAC2	-0.1648817	0.06888044	0.05771068	0.0378825	-0.0203397	0.03736111	-0.2793195	0.2793195
TPM3	-0.0453755	0.05483298	0.06105189	0.01987112	0.04698747	0.03065139	-0.2470703	0.2470703
TRIM62	0.06633193	-0.04240756	0.0234551	0.04706564	-0.04103823	0.0582884	0.00098394	-0.00098394
PGM1	0.02433065	-0.04253043	0.001834	0.06252229	-0.01786734	-0.04051405	0.01696983	-0.01696983
PARP6	0.09979195	-0.03473355	-0.01182573	-0.01185344	0.0641831	0.04057716	0.05230821	-0.05230821
SORBS1	-0.04730336	-0.1533841	0.0927364	0.00983331	0.00776504	-0.0452005	0.3428452	-0.3428452
AGA	0.1055732	-0.09645982	0.03847789	0.1224269	0.03165808	0.04725461	-0.0521305	0.0521305
GRTP1	0.02160318	0.1179938	0.00768591	-0.0674221	0.01652977	0.01179286	-0.1870233	0.1870233
TMEM128	0.03851794	0.04879261	0.04383295	0.01010898	-0.03602428	-0.00657852	-0.1155325	0.1155325
RAB34	0.02706348	-0.04804703	-0.04216257	0.07931135	0.03557261	0.01550309	0.2962802	-0.2962802
APPL2	0.1382509	0.04559615	0.01368871	0.05547283	0.01977697	0.07516352	-0.175225	0.175225
SRPRA	0.04939187	0.005543	0.02910938	0.03794389	-0.09056542	0.06952267	-0.03402017	0.03402017
AC136428.1	0.08197425	0.02509565	0.04836093	0.1419915	0.1592816	0.08036397	0.1042161	-0.1042161
ACOT9	-0.07966913	0.04108021	0.1595815	-0.00285324	0.05426678	0.05390576	0.1410738	-0.1410738
THUMP2	0.03358383	0.168878	0.08705091	0.1052794	0.07657539	0.0660491	-0.2732983	0.2732983
C16orf95	-0.09144059	-0.08604968	0.1549474	-0.00281884	0.09530213	0.0599927	0.1099581	-0.1099581
KAZN	0.06265166	-0.09253271	-0.07355222	-0.0426726	-0.00368709	0.00866505	-0.03798486	0.03798486

PAQR5	0.08326088	-0.06595875	0.01059994	0.02638502	0.09952729	0.1346648	-0.01388915	0.01388915
ABCA3	-0.1295402	-0.1268093	0.1393402	-0.0318242	0.02425932	0.05964795	0.09440035	-0.09440035
ZNF514	0.06139585	0.1240779	-0.0156454	0.00634883	0.05094698	-0.01556393	-0.08349342	0.08349342
WASF1	-0.08414926	-0.1264459	0.04389684	0.09454964	0.05550537	0.01511252	0.1736053	-0.1736053
MAML3	0.09896457	-0.07300298	0.03356219	0.08006943	0.01876763	0.05809681	-0.00474826	0.00474826
SLC12A9	0.1428439	0.07800181	0.03443811	0.00324529	0.02491372	0.00874739	-0.09806652	0.09806652
GPAT3	0.03250884	0.02049305	-0.02718156	0.1184027	-0.03348676	0.02880728	-0.14582	0.14582
BORCS7	0.00083898	-0.1208976	0.141406	0.1022853	-0.06645005	0.1281803	0.07892014	-0.07892014
ERP29	0.03379648	-0.00740497	-0.0072745	-0.06320456	-0.07285734	-0.01445716	-0.1390481	0.1390481
PSENN	-0.07963537	-0.00116506	-0.137422	-0.1173521	-0.00306445	-0.08078854	0.07709995	-0.07709995
IRAK3	0.1103322	-0.01485281	0.08724602	0.1007265	-0.01796097	0.09921063	0.04888109	-0.04888109
SMIM6	0.00489013	-0.03496903	-0.09264602	0.05775607	-0.07948802	-0.01750606	-0.1670788	0.1670788
PARD6A	0.07490351	0.04966957	0.03641197	-0.04828924	0.00781489	0.01756881	-0.02694639	0.02694639
ORC1	-0.09610062	0.1214122	0.01046732	-0.01465357	-0.00351795	0.04572119	-0.3118888	0.3118888
LY75	-0.00459794	0.07426243	0.1422446	0.024745	0.08387149	0.1044615	-0.202692	0.202692
STARD10	0.04438752	0.13499	-0.1128678	-0.0562619	-0.02282894	-0.07622646	-0.2235032	0.2235032
CTBP1	0.0305952	0.07997211	-0.08773638	-0.07144841	-0.02042315	-0.05369529	-0.03665243	0.03665243
NCLN	-0.07446985	0.08135811	0.02524763	-0.02323765	-0.02739837	0.02233657	-0.190652	0.190652
ADAMTS5	0.07162995	0.06131662	0.2160439	0.07557797	0.04130054	0.00787169	0.3613559	-0.3613559
SEC13	-0.09252251	0.120374	-0.01421175	0.01843774	-0.05861333	-0.01997986	-0.1639232	0.1639232
ANTXR1	0.02610893	-0.04457728	0.1483908	0.07413023	-0.00246341	0.04086347	0.548354	-0.548354
RAE1	0.03995715	0.02551128	-0.08090709	-0.01431479	0.03310468	0.03223075	-0.1853714	0.1853714
RASL10A	-0.01683302	-0.02793416	-0.03046734	-0.09493889	-0.0414775	-0.04379061	0.06975649	-0.06975649
USP24	0.0086615	0.08633992	0.1158075	0.09284967	0.03265127	0.1108303	-0.226566	0.226566
RUFY1	-0.00835923	0.01372439	0.06554629	0.07082008	0.02815508	0.07855873	0.08915915	-0.08915915
PIGW	0.01549722	0.1017431	0.07378464	0.04124209	0.06792685	0.06441618	-0.2135774	0.2135774
ALCAM	0.1170848	0.08170793	-0.0058212	-0.0536857	-0.03442165	-0.02284566	-0.03838094	0.03838094
WDR37	0.07210935	0.00211805	0.03367319	0.07333686	0.01858633	0.03326832	-0.069646	0.069646
P DPR	0.05760773	0.03017188	0.06539183	0.1099409	0.08871332	-0.0242356	0.05671235	-0.05671235
MCM9	-0.01545891	0.07714002	0.09321146	0.10094	0.02558463	0.06632917	-0.1944867	0.1944867
DIS3L2	0.1029964	0.07944773	0.05623287	0.03092476	0.1012856	0.09511957	-0.1064911	0.1064911
UBTD1	0.00240265	-0.02641198	-0.03989009	-0.0402395	-0.03382141	-0.03575828	0.3057196	-0.3057196
BIK	-0.05069647	0.07037433	-0.04902179	-0.1172042	-0.00216292	-0.01639718	-0.1102585	0.1102585
SFRP5	0.03630248	-0.08213167	-0.1181356	-0.1219741	-0.05399811	-0.09143955	0.00923158	-0.00923158
PRSS35	-0.03028191	-0.00917538	0.0241476	0.05179322	0.09212728	0.01825198	0.08033434	-0.08033434
PREP	-0.00826021	0.214799	0.0658801	0.04544054	0.00944619	0.01656622	-0.2319427	0.2319427
SLC35F2	-0.05200982	0.1399734	0.08993518	0.04589357	0.01315437	0.1040301	-0.1259347	0.1259347
LIF	0.06365857	0.02696937	0.0318769	0.01366615	-0.00449123	0.02812099	0.00116916	-0.00116916
SPIN4	0.00204078	0.07525466	0.09862686	-0.04217913	-0.02037856	0.03382915	-0.1820527	0.1820527
MYRIP	0.0335745	-0.1191249	0.02345093	0.01598196	-0.00050489	-0.00805154	0.1556652	-0.1556652
GSR	-0.0572959	0.0632547	-0.07648664	-0.0716956	-0.01361047	-0.08145254	-0.1945523	0.1945523
TPM2	-0.05060102	-0.1463917	0.07552836	0.01959361	0.00078293	-0.02694293	0.3507582	-0.3507582
IL17D	0.00237182	-0.1964915	0.09954859	0.0371529	-0.02717966	0.0422872	0.2645379	-0.2645379
FAF1	0.03132572	0.01955201	-0.00142874	0.00209199	0.06250908	-0.00401098	-0.1104598	0.1104598
TTC3	0.1090813	-0.08378426	0.1194209	0.07603937	-2.07E-05	0.1115748	0.02403443	-0.02403443
BDH2	0.08816799	-0.06453052	0.07777957	0.1728914	0.02234784	-0.06430515	0.0903946	-0.0903946
IKBKB	0.02255992	-0.01891426	0.0584419	0.0462911	-0.02784667	0.03826431	-0.03419141	0.03419141
DGLUCY	0.04476287	-0.04022019	0.03663588	0.05726118	0.08459259	0.04574203	0.07882979	-0.07882979
ASB14	0.02154476	-0.06491241	0.03943143	0.00821794	-0.04190258	-0.06292633	0.03896408	-0.03896408
TMEM185A	0.07329566	-0.02109217	0.01695777	0.03615313	0.02405539	0.0270513	0.1733195	-0.1733195
GRB10	0.06329797	0.00106556	0.06583992	0.08305098	0.0638433	0.05932009	-0.01657343	0.01657343
EFR3A	0.00192118	0.08271476	0.1707584	0.1100135	-0.01752389	0.07652631	-0.05859985	0.05859985
MGST3	-0.02878222	-0.00296573	-0.06846477	0.02468846	-0.02116705	-0.05147985	-0.07637816	0.07637816
NACC1	0.02273263	-0.01166976	-0.09563141	-0.06021866	0.03604369	-0.00747174	-0.1212883	0.1212883
FOXP2	-0.01320965	-0.1500618	0.1010963	0.02839354	0.03274269	-0.06222521	0.3491689	-0.3491689
CRAMP1	0.04494562	-0.00097338	0.1036127	0.03012219	0.0336534	0.04039325	-0.02079816	0.02079816
CYB561D2	-0.04150526	0.1339235	-0.06163185	0.01211736	-0.08097766	0.00351728	-0.2514871	0.2514871
ERCC4	-0.03568923	-0.04237478	0.1757874	0.08911543	0.07832749	0.1048788	0.06766046	-0.06766046
KLF8	0.00852132	-0.123873	-0.05993609	-0.01329395	-0.00032678	-0.01959177	0.1659992	-0.1659992
AKR1C3	0.01315887	0.00071882	-0.05339642	0.0527181	-0.0385934	0.03148141	-0.1793722	0.1793722
NPIP2	0.06210068	-0.07641149	0.05713283	0.04106875	0.03860908	0.04367905	-0.0044281	0.0044281

DIO3	0.01712004	0.05083385	-0.00903147	-0.1024867	0.1667712	-0.02564964	0.06264527	-0.06264527
MAGEA3	-0.08709275	0.0844384	-0.03147318	0.02402204	0.01455619	0.02952854	-0.117007	0.117007
CCNC	0.01472674	0.1133746	0.08798765	0.102222	0.02405217	0.0746105	-0.3171033	0.3171033
NOG	-0.03181378	-0.06936497	0.01218346	0.02493681	-0.01535383	0.00584213	0.294455	-0.294455
GPBR1	-0.06323505	-0.1686521	-0.00396003	-0.07044553	0.00026064	-0.02245619	0.1217313	-0.1217313
SLC25A14	0.04951544	0.09274435	-0.01060765	-0.04296394	-0.03705827	-0.0106459	-0.1125387	0.1125387
RERGL	0.03241957	0.01025827	0.08201868	0.04326383	-0.03111031	0.02771475	0.02727858	-0.02727858
CDCA3	-0.1107716	0.1380663	-0.06796284	-0.05221694	-0.03945106	0.03782402	-0.2269734	0.2269734
NSMCE4A	-0.06433684	0.1125577	0.06381537	-0.01843293	0.05126256	-0.00720597	-0.07766211	0.07766211
ANKHD1-EIF	0.01763869	-0.00730722	0.07124551	0.08588821	-0.02802083	0.07570957	0.05845496	-0.05845496
FLNA	-0.03946773	-0.1482846	0.1027018	0.03682275	0.02439503	-0.00609777	0.3657738	-0.3657738
CRLF3	-0.1013267	0.03125678	0.1664705	0.04205261	0.03068001	0.06652004	-0.00591605	0.00591605
IGFBP6	0.08075947	-0.175782	0.03923163	0.01776142	-0.02833818	0.02789105	0.4939047	-0.4939047
TMEM222	0.01433671	0.07394725	-0.09067853	-0.05325524	-0.03381571	-0.05114185	0.02368991	-0.02368991
TAF10	-0.1021569	0.00105914	-0.07014977	-0.03047562	-0.01883594	0.066168	0.07909939	-0.07909939
DIP2C	-0.02582543	-0.07604852	0.1055661	0.03461759	0.04566377	-0.01067322	0.3238633	-0.3238633
P2RY2	0.02504101	0.00800708	-0.1570139	-0.03330808	0.01153961	-0.01449106	-0.05908487	0.05908487
WDTC1	0.08391776	-0.0910299	0.00375986	0.01361167	-0.04838904	0.03254583	0.06750649	-0.06750649
ERG28	0.00710947	0.04796082	-0.07714908	-0.09714404	0.1069515	-0.04726193	-0.1548399	0.1548399
ING2	-0.05876781	0.00631211	0.02829947	-0.00870885	0.01446143	0.04699541	-0.148474	0.148474
LHB	0.02250876	0.03380356	-0.0711637	0.0596864	-0.01618067	0.02285954	-0.00937252	0.00937252
FAM13A	-0.1341586	0.103884	0.0380936	0.05707764	0.05898036	-0.04962584	0.00292292	-0.00292292
UBE2S	-0.1054673	0.0369179	-0.07787215	-0.06370146	-0.03226462	0.0057732	-0.03362937	0.03362937
MRTO4	-0.04385058	0.03708783	0.00745733	-0.00870871	0.02880872	0.0485758	-0.1761526	0.1761526
GNA15	0.04595222	-0.01328412	-0.1583131	-0.02118567	-0.01732963	-0.05272342	0.02638161	-0.02638161
SYCE2	-0.01609436	-0.1123791	0.05327131	-0.07967124	-0.01790026	0.03603039	-0.1075109	0.1075109
LARGE1	0.08308878	-0.1194388	0.0874586	0.03028454	0.03578621	0.01598054	0.08519456	-0.08519456
FAM8A1	0.05838362	-0.07942878	0.1360927	0.03647792	-0.00171376	-0.00353164	0.0476844	-0.0476844
SLC13A2	0.04943139	0.05451252	-0.134606	-0.03495683	0.0015011	-0.0643135	-0.1336099	0.1336099
NPAS1	0.0034319	-0.00990513	-0.1245512	-0.05866179	0.00537622	-0.04232792	-0.1073145	0.1073145
CHIC1	0.06139934	-0.1133544	0.1545363	0.0406673	0.06262481	0.06144734	0.1576786	-0.1576786
ZNF587	0.1013381	0.0470317	0.08992395	0.1202734	0.03275105	0.08126584	-0.04430323	0.04430323
POLR3GL	0.06743586	-0.03336034	0.0986225	0.02344881	0.0123928	-0.02254565	0.1756044	-0.1756044
P2RX5	-0.08851639	-0.03708143	0.06390128	0.08043924	0.02704751	0.07309686	0.06477903	-0.06477903
OXNAD1	-0.09827787	0.01577536	0.07753429	0.03756153	-0.00736379	0.07753594	-0.2274302	0.2274302
SC5D	0.06913364	0.09959397	-0.02022073	-0.00603395	-0.04594773	-0.00596821	-0.2107198	0.2107198
NHLRC3	0.06268176	0.1107802	0.1411786	0.1048508	0.02283856	0.1272123	-0.1571275	0.1571275
NDUFA4L2	0.00182214	0.05098263	-0.06730864	-0.0258406	-0.0050996	-0.01946693	0.076204	-0.076204
SLC25A19	-0.05211381	0.07035921	-0.06240451	-0.07003765	0.04588868	-0.01936587	-0.1443676	0.1443676
CNRIP1	0.0042949	-0.1849417	0.1404759	0.06189293	0.03571712	-0.01408147	0.5918047	-0.5918047
TENT2	0.05359047	0.03813673	0.1883622	0.1141413	0.01659746	0.1548573	-0.05890311	0.05890311
RSRC2	-0.00150493	0.08574202	0.1200209	0.03851262	0.01604183	0.07693945	-0.1742044	0.1742044
PGAM1	-0.1010671	0.02661221	-0.02279232	-0.04026888	-0.01431133	-0.02473919	-0.04024254	0.04024254
ARHGEF10	-0.02564638	-0.05385355	0.09630507	0.00488919	0.04410475	0.03943239	0.2277144	-0.2277144
IFITM3	-0.1090579	-0.00103823	0.1148707	-0.07836261	0.04931521	0.07867913	0.2052625	-0.2052625
PDGFRL	-0.1071505	-0.1245244	0.09265327	0.09453684	-0.01720932	-0.0312607	0.4175347	-0.4175347
NPIP12	0.1338105	0.09793937	0.0310218	0.09771321	0.04451988	0.05709966	-0.05688922	0.05688922
FILIP1L	0.03237204	-0.1426672	0.1769424	0.03272525	0.01134364	-0.0244001	0.4068787	-0.4068787
ZNF878	-0.0423643	0.02100463	0.07080307	-0.05124242	0.00163454	0.01698656	-0.154219	0.154219
STK26	-0.07821838	0.08805944	0.07102887	0.03835205	-0.02554775	0.08863794	-0.30038	0.30038
EHMT2	-0.03706344	0.06500265	0.00579995	-0.02255374	0.00448142	0.01998067	-0.1425137	0.1425137
SNX29	0.04291	-0.1144689	0.1131425	0.08257811	0.07083011	0.07254641	0.3577865	-0.3577865
GABRP	-0.02998822	-0.03082579	0.05589678	-0.03358319	0.0231907	-0.0294499	0.1847763	-0.1847763
RICTOR	-0.00570768	0.03578366	0.106705	0.01637431	-0.01938204	0.03957097	0.01729713	-0.01729713
CCL17	-0.01055355	0.02709745	-0.00642864	-0.1099811	-0.05130997	-0.00397571	0.125049	-0.125049
RASA3	-0.101498	-0.00403778	0.1331858	0.1040578	0.0541733	0.06516407	0.2436577	-0.2436577
MFS14B	-0.0113345	0.1006075	0.1577016	-0.02772331	0.02093267	0.08847344	-0.1529738	0.1529738
NUCKS1	0.06879726	-0.1568328	0.1518955	0.09861777	0.07185495	0.08665362	0.06900843	-0.06900843
ORC5	-0.0707131	0.02670711	0.03007197	0.04145274	-0.00461399	0.07078466	-0.1628742	0.1628742
ZNF529	0.045623	0.01166991	0.127011	0.0468847	0.03500604	0.01976004	0.07090776	-0.07090776
ZNF576	-0.01518674	-0.04305873	-0.07273967	-0.00767354	-0.02104972	-0.0321872	-0.04908223	0.04908223

UBE2E2	-0.04488815	-0.06430253	0.09020873	0.04082472	0.02263854	0.0257753	0.4265389	-0.4265389
SYT1	0.05397003	-0.02986718	-0.02904784	-0.08743747	-0.01585229	-0.04217294	0.08918168	-0.08918168
DNAJC30	-0.02152991	-0.01341069	-0.0057838	-0.06374634	0.01774202	0.01212098	-0.00204833	0.00204833
SETD9	-0.02294282	0.1065512	0.09510703	0.03184944	0.01000002	0.02381531	-0.1322084	0.1322084
APOM	0.04439575	-0.07350283	-0.02160568	0.06074214	-0.03694451	-0.00827228	-0.0392844	0.0392844
SREBF2	0.05962782	0.06333168	-0.02009436	-0.05434901	0.01504722	0.02856605	-0.1702535	0.1702535
THAP2	-0.05577464	-0.08306819	-0.02660082	0.01265372	0.02606276	-0.03458323	0.1627384	-0.1627384
IDH1	0.02615453	0.07784839	0.07362746	0.05567618	-0.00726857	0.03940006	-0.3887665	0.3887665
PCNX2	0.07741783	-0.02730179	0.07903846	0.1014369	0.09287039	0.1075938	0.04217648	-0.04217648
DDX43	0.09180403	0.06137117	0.00435984	-0.05900474	0.0392717	0.01723449	-0.01352067	0.01352067
CGAS	0.02504792	0.0079088	0.2080434	-0.0006112	0.01447206	0.1179155	-0.07386419	0.07386419
CHML	0.02621539	-0.02054741	0.1007462	0.03625531	-0.00205888	0.07289316	-0.1114369	0.1114369
TNIP3	-0.00239825	0.05444483	-0.00078133	-0.03116895	-0.0328002	0.00800877	-0.01228367	0.01228367
ANXA9	0.07126578	-0.03395768	-0.06550105	-0.01489348	0.02354701	-0.00815173	-0.03218603	0.03218603
MTHFD1L	-0.02028192	0.07464126	0.1786062	0.02320745	0.08224611	0.1121168	-0.1273827	0.1273827
SASS6	-0.09089853	0.1018039	0.09230476	0.01536468	-0.01901744	0.08946498	-0.3256484	0.3256484
TAOK2	0.05839819	0.04302781	0.07222365	0.03776621	0.1084232	0.09846079	0.00594148	-0.00594148
NUDT16	-0.00421059	0.04078482	0.07267831	0.09917975	-0.00404528	0.07595771	-0.08956231	0.08956231
CCNJ	-0.00408625	0.05933316	0.1261297	0.00066279	-0.00236388	0.06039857	-0.1401868	0.1401868
NAPA	0.01814618	-0.01471814	-0.02504898	0.01061956	0.04042505	-0.0222217	0.05980993	-0.05980993
FBX07	-0.03999865	0.04727677	0.03054969	-0.04893313	0.07952745	-0.0014817	0.01527551	-0.01527551
GBA	0.02949378	0.01145334	-0.04819631	-0.03846281	-0.00305561	-0.04325604	0.00421392	-0.00421392
FBH1	0.01354518	0.07817525	0.1276242	0.03340802	0.07389259	0.08981366	-0.01374731	0.01374731
DRAM1	0.05220887	0.04157984	0.1644732	-0.02111044	-0.01522942	-0.03130869	0.1551058	-0.1551058
NMUR1	0.00785387	-0.1649875	0.1257963	0.04418881	0.01911027	0.06550505	0.3730569	-0.3730569
MRPS26	-0.00615566	0.09418557	0.01219689	-0.06213529	-0.08443776	-0.00685782	-0.1326408	0.1326408
BRF2	-0.04734936	-0.02681442	-0.01595246	0.00061966	0.02141953	-0.00218681	-0.05163024	0.05163024
OSCP1	0.04050884	-0.1213227	-0.03143771	-0.04055943	-0.0038131	-0.04325253	0.182357	-0.182357
OSR2	0.02221453	-0.00068216	0.08797191	-0.06271309	-0.0351154	-0.0367111	0.1153543	-0.1153543
CFLAR	0.03797593	-0.00176722	0.1398992	0.04375227	0.03310281	0.05269647	0.134982	-0.134982
GALNT3	0.05705519	0.1221326	-0.02302273	0.04674272	-0.03779655	-0.04497644	-0.3140945	0.3140945
DMC1	-0.1075152	0.03117325	-0.03024395	-0.05794949	0.04739981	-0.02354509	-0.1571378	0.1571378
SLA2	-0.0251332	0.0204569	0.1989934	0.01196733	0.03837223	0.08417057	0.1467824	-0.1467824
CCNK	-0.04042921	0.0842138	0.1060611	0.1145864	0.06212985	0.1283217	-0.256674	0.256674
MBLAC2	-0.03449779	-0.0311089	0.1741969	0.0447508	-0.0206993	0.04379842	0.02516185	-0.02516185
FAM49B	-0.02449967	0.09718114	0.08707154	0.08552362	-0.02116207	0.0759505	-0.1616269	0.1616269
INAFM2	-0.06046347	-0.07640916	0.09850786	0.02116926	0.00338753	-0.01762551	0.2790113	-0.2790113
DLGAP3	-0.08721985	-0.03217202	-0.05123968	0.01351569	-0.015166	0.05363728	0.07545867	-0.07545867
DOK2	-0.00391081	-0.02248693	0.1537894	0.0332745	-0.02986121	0.06820049	0.2125877	-0.2125877
LMO2	-0.05153687	-0.00346757	0.01190755	0.02684847	0.00721754	0.02778956	0.1922902	-0.1922902
TNNC1	0.00331412	0.00983612	0.00067526	0.1524677	-0.02195859	0.07206036	0.00823085	-0.00823085
ULBP1	-0.07523346	0.08386545	0.03662304	0.0105698	0.06407914	0.04760898	0.01763581	-0.01763581
CASP10	-0.02705445	0.1693075	0.09631704	0.02162262	0.02086534	0.04144073	-0.2759888	0.2759888
RNF227	-0.04915597	0.0322961	0.04381153	-0.03389421	-0.0644219	-0.03395441	-0.02691034	0.02691034
CCT3	-0.1452175	0.06742732	-0.0012098	0.00245824	0.01635198	0.00080868	-0.2590893	0.2590893
ZNF263	0.02942102	0.04206628	0.06887071	0.04993336	0.07725095	0.04702997	-0.05343803	0.05343803
ZNF225	-0.03380859	-0.08702636	0.08618427	-0.02706399	0.00374047	0.03353943	-0.04030133	0.04030133
PHF21A	0.04670169	-0.06762734	0.09936911	0.06672974	0.0382816	0.03340441	0.3077973	-0.3077973
NTAN1	-0.02669821	-0.0226126	0.05036083	-0.00617485	0.1058618	-0.07808921	0.325372	-0.325372
ASCC2	-0.01894249	0.01926357	-0.08093534	-0.04056073	-0.02725534	-0.03043133	-0.1214868	0.1214868
ACOT8	0.05034803	-0.03058481	-0.02904176	-0.02354385	-0.06050742	0.0029876	-0.0908748	0.0908748
CIT	0.02191692	0.04256571	0.02087468	-0.033832	-0.00596518	0.05037169	-0.1317729	0.1317729
COX6B1	-0.09331637	0.01826146	-0.1392475	-0.09503883	-0.0505358	-0.0606797	-0.0794836	0.0794836
VPS26A	-0.04806274	0.08899507	0.1463772	0.00126737	-0.05786725	0.06746373	-0.1761805	0.1761805
ARSK	-0.00731963	-0.09293198	0.1502312	-0.00096241	-0.03218226	-0.04642493	0.1603502	-0.1603502
CXCR4	-0.01175589	-0.1694195	0.1646051	0.05842868	0.06752739	0.00672482	0.2901768	-0.2901768
FLVCR1	0.1125695	0.04084105	0.1347487	0.09560891	0.00817312	0.09768581	-0.2597446	0.2597446
FARP2	0.05703964	0.1106967	0.05263375	0.02062751	0.08564312	0.06027634	-0.2660173	0.2660173
TOP1	0.00554834	0.131775	0.0976817	0.109537	0.07492172	0.1242208	-0.2850482	0.2850482
PSMD7	-0.03369344	0.15883	0.1177134	0.08507021	0.09398749	0.08883974	-0.179955	0.179955
NFIA	0.03062124	-0.1620857	0.14132	0.03469189	0.02528613	-0.013403	0.3085022	-0.3085022

ZNF510	0.0061704	0.02528369	0.1195774	0.02457488	0.03462472	0.07154556	0.00244913	-0.00244913
HTATSF1	0.01311026	0.06442009	0.06437471	0.04381702	-0.01741918	0.06481442	-0.1628256	0.1628256
PRR36	-0.03502305	0.02662348	-0.03767438	-0.05021865	-0.01915714	-0.01294736	-0.02786008	0.02786008
TBXA2R	0.04531293	-0.100726	0.1221037	-0.00447954	0.03907162	0.06128031	0.449375	-0.449375
TMEM161A	0.00729862	0.105825	-0.02005218	-0.1039196	-0.01029797	-0.02256681	-0.1151889	0.1151889
RFWD3	-0.02222702	0.1099813	0.120381	0.0483457	0.08248015	0.1398153	-0.2314143	0.2314143
ZNF654	-0.07964516	0.04206969	0.143522	0.06295314	0.01686771	0.06786035	-0.0658111	0.0658111
CIDEC	-0.1193971	-0.02483423	0.02459925	0.08542975	4.50E-06	0.07020463	-0.06606983	0.06606983
ALPP	-0.06635681	-0.03570226	0.06750673	-0.04157102	0.01105199	-0.00191668	-0.05128827	0.05128827
ZNF274	0.06151062	-0.02442547	-0.0013836	0.02808759	0.08550004	0.01435993	0.03354781	-0.03354781
TTL12	-0.08261081	0.04401235	-0.02698598	-0.09570095	0.03311764	-0.00579073	-0.2629222	0.2629222
GIPC2	-0.07017353	0.1056303	0.03831194	-0.05718328	-0.00713323	-0.00674525	-0.2929257	0.2929257
CXXC5	0.1174011	-0.09634694	-0.01988103	0.04032423	-0.03906117	0.08517842	0.1034632	-0.1034632
ST6GALNAC3	0.01095962	-0.06709096	0.04035761	0.04915568	0.03534526	-0.03684482	0.1088944	-0.1088944
AEBP1	0.01073934	-0.1070631	0.133242	0.02333309	0.00330179	0.05129951	0.6614151	-0.6614151
VGLL1	0.03009367	0.06340279	0.08818694	-0.02237427	-0.00541687	-0.08985482	0.08295904	-0.08295904
ABHD11	-0.00898753	0.2135347	-0.07988114	-0.09973055	0.1146569	-0.0664219	-0.1267519	0.1267519
ANKRD40CL	-0.00145988	0.113212	-0.00836649	0.02945456	0.04449286	0.05923074	-0.2001215	0.2001215
SUSD4	0.1227028	-0.1314444	-0.08858027	-0.02379107	0.03260767	0.00427793	-0.06966039	0.06966039
CTSE	-0.01838122	-0.07788441	0.01177582	0.02776746	-0.00720245	0.00766963	-0.1236293	0.1236293
PFDN1	0.0328436	-0.01790136	0.05356963	-0.01622458	-0.01035951	0.00466309	0.1971322	-0.1971322
IARS	-0.0685498	0.09158258	0.1200625	0.0391593	0.01626301	0.09924689	-0.2382527	0.2382527
CD46	0.03137766	0.08420284	0.05717219	-0.02117583	0.03798248	0.07255411	-0.2382408	0.2382408
SLC24A1	0.1217099	-0.0528788	0.08905003	0.02967681	0.06622879	0.05610485	0.00087237	-0.00087237
TXNL4A	-0.06208012	0.1145967	-0.01971349	-0.0365818	0.05216412	-0.01665306	-0.1194201	0.1194201
GMNN	-0.1190433	0.1054749	-0.05139023	-0.04756208	0.01726451	-0.07555632	-0.2513983	0.2513983
TMEM205	-0.01616173	-0.0501958	-0.06138888	-0.126301	0.01710414	-0.07956404	-0.01294529	0.01294529
E2F1	-0.0016633	0.07639566	-0.09785343	-0.09147195	0.00263077	-0.02144924	-0.1836379	0.1836379
THSD4	0.04067508	-0.04604391	-0.1116727	-0.04183025	0.0070452	-0.06575703	0.06746571	-0.06746571
EEF1G	-0.02638056	0.00855657	0.07729526	0.03741349	-0.03022682	0.07725884	-0.09334587	0.09334587
TSPO	-0.08161509	0.113058	-0.09467851	-0.1366512	-0.03458943	-0.09052887	-0.14714	0.14714
AC092835.1	-0.05521383	0.04815378	0.03701699	0.00695115	-0.01223667	-0.00032514	0.02920671	-0.02920671
GTF3C4	0.03403705	0.02141166	0.03791144	-0.02173913	-0.02212539	0.08035154	-0.09925065	0.09925065
PTP4A2	-0.1128329	0.07301277	0.06357228	0.00461062	-0.02972065	0.00396885	-0.1919333	0.1919333
PI15	0.09816608	0.01384081	-0.04686027	0.0095451	-0.03332458	-0.05869252	0.1736197	-0.1736197
HIST1H2BD	0.0018985	-0.0430417	-0.09542982	0.02873204	0.0214611	0.01219116	-0.03602554	0.03602554
TYW1	0.02696583	0.03498125	0.09190362	0.08598244	0.05354453	0.09224578	-0.05674497	0.05674497
BAHCC1	-0.01352615	-0.02285567	0.09945867	0.08820335	-0.01082628	0.139416	0.2179567	-0.2179567
TMEM106C	0.08702504	0.07672855	-0.06242791	-0.00949189	0.02578005	0.0204129	-0.2795895	0.2795895
FLVCR2	-0.06510769	0.08922223	0.1397834	0.07563414	0.1150763	0.0716446	-0.07035792	0.07035792
CELA3A	-0.1097606	-0.04737563	-0.09083361	0.05565517	-0.0476313	-0.1023864	0.00777697	-0.00777697
DNAJC22	0.08072175	-0.02309673	0.1280022	0.07157967	0.03703059	0.149039	-0.2339997	0.2339997
ASPN	-0.01756972	-0.1404315	0.1949319	0.0096336	-0.00179732	-0.00250287	0.569165	-0.569165
ABT1	-0.02645442	0.09567725	0.01079815	-0.058088	-0.00215505	-0.02911002	-0.2029373	0.2029373
DCPS	-0.1155973	0.04681964	-0.01720738	-0.05896894	-0.04169832	-0.01976912	-0.07849193	0.07849193
MARK1	-0.06825746	-0.01695773	-0.0016863	-0.05902239	-0.04180821	-0.02561049	0.06665688	-0.06665688
RASAL1	0.05980934	-0.05081791	-0.03898219	-0.03271706	-0.05827801	0.01746553	-0.0986711	0.0986711
PCED1B	-0.08567383	-0.0327712	0.08779272	0.05534573	0.00786046	0.1100762	0.1318575	-0.1318575
RMDN3	0.0034008	0.08089134	0.08832707	-0.04082396	0.01859355	0.04817074	-0.1530317	0.1530317
CACFD1	0.06810979	0.00569773	-0.1059161	-0.01577223	-0.1248848	-0.04006041	-0.169967	0.169967
MAGED2	0.06409341	-0.02958757	0.05374468	-0.00506131	-0.00699942	-0.01550341	0.226803	-0.226803
PSMG3	-0.00874822	0.0969247	-0.01512202	-0.05250412	-0.02796591	0.0111469	-0.1934256	0.1934256
CLU	0.01897499	-0.1984203	-0.1002961	-0.01371923	-0.00971377	-0.101052	0.1891456	-0.1891456
AHDC1	0.01023913	-0.1031984	0.03165216	0.03135073	0.01199134	0.07044191	0.2182999	-0.2182999
FRMD8	0.07311724	0.0836109	0.0716679	0.02763027	0.038426	0.09999116	-0.05625807	0.05625807
TUBGCP6	0.08431492	0.04962531	0.07686615	0.08094732	0.04715899	0.1029779	-0.03205259	0.03205259
TIMM10B	0.02867556	-0.03225696	0.121517	0.09402915	0.06695553	0.1203765	0.00558104	-0.00558104
LRRC58	-0.04136455	-0.00267466	0.1791322	0.05174134	-0.03507949	0.1062493	-0.07140021	0.07140021
ST13	-0.0198983	-0.01788861	0.09252417	-0.02427323	-0.03885886	-0.04037049	-0.03941523	0.03941523
ARPC3	-0.05132722	0.00420293	0.02163569	-0.02280736	-0.06596493	0.01023935	-0.06968405	0.06968405
SLC26A11	0.05705272	0.01883091	0.02838421	0.06075374	0.00830737	0.02885095	0.00233393	-0.00233393

PFDN4	0.04863492	-0.01954903	-0.02899897	-0.01340293	-0.03528495	0.02564109	-0.04741816	0.04741816
GALNT15	-0.01397593	-0.05788147	0.03880224	0.07259864	-0.00037257	-0.0157973	0.365767	-0.365767
HAVCR1	0.04527131	-0.01088568	-0.07028827	0.04344521	0.0125449	0.04649555	-0.08414505	0.08414505
EFEMP2	0.01542779	-0.1233847	0.1033047	0.01066545	-0.0059075	-0.02390281	0.6867949	-0.6867949
FAM177B	0.01765625	-0.01915212	-0.0193836	0.08744864	-0.02561482	0.03903285	-0.1270438	0.1270438
PLAAT1	-0.07490637	0.00609551	-0.07914791	0.01403678	0.03149474	-0.03034906	0.00130106	-0.00130106
ADH1C	0.01782505	-0.0984761	-0.02064315	0.04206318	-0.0879204	-0.02500888	-0.05387455	0.05387455
BCAR3	-0.00227065	-0.02915711	-0.04514142	0.09384785	0.00896871	0.04442698	0.01238089	-0.01238089
TLX1	-0.05939013	0.07675708	-0.00910565	8.00E-05	-0.00783532	0.01671724	0.01982201	-0.01982201
TP53	-0.04631533	0.05793878	0.09118871	-0.02855618	-0.0414897	0.03774865	-0.04391299	0.04391299
AAGAB	-0.00851257	0.04104978	0.01622651	-0.01756714	-0.00973395	0.04361948	-0.1647444	0.1647444
GLRX3	-0.02113299	0.04551273	0.05719824	-0.03254698	-0.0372082	0.02706235	-0.1441138	0.1441138
DELE1	0.04858798	0.01301608	0.09128072	0.0916015	0.01944196	0.124643	0.00822328	-0.00822328
MEGF6	0.00075568	0.08498907	0.1453975	0.06378446	0.0199463	0.09891937	0.158581	-0.158581
SLC39A9	0.03570943	0.05921404	0.08647286	0.1087115	-0.0106291	0.1561545	-0.2269447	0.2269447
HLA-DMB	0.00432849	0.03471086	0.1456112	0.06299954	0.02586748	0.07274746	0.03268561	-0.03268561
TWIST1	0.01242487	-0.00912523	0.02352312	-0.03148036	-0.03534249	0.00327937	0.5113472	-0.5113472
CHAD	-0.02008513	-0.04730678	-0.08770727	-0.02579484	-0.01592601	0.00698303	-0.1054961	0.1054961
RGMB	0.0097967	-0.1500954	0.08723357	-0.02027212	0.01539501	-0.01483981	0.3082562	-0.3082562
STX5	0.0426789	0.09217217	-0.1090512	-0.07721966	0.01876302	-0.0316128	-0.00835524	0.00835524
CTIF	0.01644117	-0.1203375	0.1034097	-0.01413963	-0.02425905	0.04694528	0.4062897	-0.4062897
MOSPD1	-0.04806411	0.1065506	0.01466413	-0.0151315	-0.02762065	-0.00880722	0.03349813	-0.03349813
SYNGAP1	-0.00337124	-0.0207691	0.09404714	0.04600591	0.08878864	0.1038305	0.2701747	-0.2701747
PACRGL	-0.00860363	0.05554358	0.08940645	-0.01956022	-0.03456453	0.03463717	-0.05056943	0.05056943
ITGA11	-0.01563774	-0.03212594	0.1259059	0.07079808	0.01136246	0.07812122	0.4868726	-0.4868726
HAS2	0.05010239	0.03640761	-0.01945512	-0.03347682	-0.04402003	-0.07892585	0.2143199	-0.2143199
SCOC	0.06167222	0.0720787	0.07729181	0.1149994	0.02000588	0.08885568	-0.07303221	0.07303221
ZC3H12D	-0.1029875	0.06795832	0.05753333	0.1051559	0.04199995	0.08334742	-0.02546365	0.02546365
OXT	-0.01159123	-0.00286688	0.00294679	0.04138598	0.03429005	0.04586028	0.00857481	-0.00857481
C1orf116	0.08062808	-0.01013117	-0.04810129	0.0641952	0.03986077	0.05142093	-0.238	0.238
SIRT3	0.00545349	0.03326525	0.02131693	-0.02785832	0.0362992	0.04303399	-0.02828881	0.02828881
GOLIM4	-0.0113326	-0.00695786	0.07941559	0.04259265	-0.03913401	0.04091139	-0.09888839	0.09888839
NFATC3	0.00246952	-0.07194835	0.1212276	0.05078717	0.1136659	0.08837487	0.00855054	-0.00855054
SEC16A	0.01002163	0.05040114	0.04428029	0.06004229	-0.03211923	0.1179951	-0.1494813	0.1494813
LYRM1	0.1093359	0.01646749	0.06361211	-0.01669849	0.0218442	-0.02632834	-0.06862235	0.06862235
TMEM145	-0.08789826	-0.00350191	-0.05831418	-0.04585788	-0.05503073	0.02501026	0.02061832	-0.02061832
MIA3	0.04106803	0.02723801	0.1446134	0.09036121	0.00976467	0.1170002	-0.08331892	0.08331892
SAMD8	-0.04415489	-0.02594767	0.1066875	0.09895103	-0.03122267	0.1173743	-0.00610712	0.00610712
TRNAU1AP	-0.1105885	0.05247162	0.1399523	0.06906464	-0.02114146	0.03226094	-0.02933026	0.02933026
MICAL3	0.01581601	-0.06785569	0.04287254	-0.01750088	0.00891769	0.0079603	0.1195982	-0.1195982
GPR15	-0.04165329	-0.1114026	-0.01215608	0.04297567	0.03160518	0.02670553	0.1057883	-0.1057883
LSM14B	-0.01844098	0.03726838	0.0399495	-0.00460083	-0.00281163	0.02993059	-0.07096734	0.07096734
ZDHHC7	0.00350086	0.0095014	0.1110105	0.0904816	0.04975521	0.04104225	-0.1025669	0.1025669
FUT9	-0.08760339	-0.04536335	0.05039411	0.00897924	0.05398195	0.05001019	-0.02251203	0.02251203
TAF11	0.06241294	0.1085278	0.03834325	0.01084375	-0.01687043	-0.00293145	-0.07096353	0.07096353
SIGIRR	0.02138681	0.1264488	-0.01721776	-0.1015829	-0.04693923	-0.00348915	-0.04028114	0.04028114
ELOVL5	-0.05456545	0.02382362	0.06628416	0.03594708	0.00033966	0.01437567	0.1697011	-0.1697011
PWWP2A	0.04503513	0.04975947	0.1522172	0.1021261	0.06249889	0.1123445	-0.08366192	0.08366192
SOX9	0.0286668	-0.00782872	0.07859332	0.00637575	-0.02809823	0.08159592	-0.1818367	0.1818367
SOX21	0.02923254	-0.05046222	-0.0739975	0.01000437	-0.03868141	-0.03094753	-0.1268167	0.1268167
GTF2H2C	-0.00708609	-0.05134771	0.1948494	0.1287071	-0.03419687	0.1207748	-0.04455165	0.04455165
CASZ1	0.1068716	0.03104827	-0.07913018	0.00750728	-0.02215409	-0.03239471	-0.141082	0.141082
COQ8A	0.03157597	0.04552791	-0.0777766	-0.0522372	0.03085162	-0.1083609	-0.1760114	0.1760114
CDIPT	0.02004721	-0.03871709	-0.04143106	-0.00453314	0.02141366	-0.0586646	0.2104479	-0.2104479
COX7A1	0.0070176	-0.153592	0.08561283	-0.01661757	-0.0551142	-0.01449599	0.55169	-0.55169
LRRC43	-0.02087683	-0.1056022	-0.02115109	-0.02761371	-0.01989538	0.02755159	-0.03275482	0.03275482
SGMS2	-0.03720528	-0.0822653	0.1165866	0.0629135	0.03484019	0.01875948	0.1272999	-0.1272999
SERPINB8	-0.03690834	0.08890528	0.1587604	0.06780573	0.03724441	0.09819873	-0.01206627	0.01206627
CABLES1	0.09175213	0.08373255	0.06121375	-0.03892467	0.01106387	-0.02949096	-0.1160672	0.1160672
SAMD1	0.01650938	0.09906619	-0.08572708	-0.1554344	0.01481377	-0.07199225	-0.1570563	0.1570563
CEP290	0.02408198	-0.00615192	0.2374467	0.1073128	0.02710753	0.1489098	0.05391567	-0.05391567

DDX19A	-0.05412282	-0.05732883	0.1724833	0.05095557	0.1057664	0.09082702	0.01431656	-0.01431656
TRMT10A	-0.03641269	0.02670788	0.1032786	0.06593376	-0.02656956	0.1215825	-0.2927247	0.2927247
PI4KB	0.08444128	0.01328048	-0.01943835	0.01980497	0.03173795	-0.02450095	-0.00915485	0.00915485
MYLIP	0.05530817	-0.1324615	0.06247559	-0.00529218	0.0179544	0.0344124	0.1835296	-0.1835296
AMMECR1L	0.0078346	0.09370148	0.07603213	0.06123773	0.00613958	0.05567044	-0.02577235	0.02577235
NECTIN4	0.07762246	-0.02280392	-0.1116946	-0.04791607	-0.00305029	-0.03610823	-0.1506282	0.1506282
CELSR2	0.07411765	-0.00602927	-0.08482159	-0.0591464	-0.032616	-0.03232431	-0.1079569	0.1079569
HUWE1	0.09075249	-0.01459889	0.0565226	0.04880103	0.02324005	0.1131413	-0.05469242	0.05469242
DLEU7	0.1079759	0.03337745	0.1495701	0.1176132	0.01605608	0.1015344	-0.02944885	0.02944885
SFT2D2	0.04328075	-0.04137968	0.2017712	0.03522185	0.00770448	0.08867825	-0.08872465	0.08872465
MTHFD1	-0.1088481	0.08798184	0.1072317	0.01765809	0.02243005	0.1163674	-0.273998	0.273998
CCDC137	0.05145452	0.1043695	-0.04861614	0.05922843	0.01137212	0.06625906	-0.08568591	0.08568591
CUEDC2	-0.07857554	-0.05352453	-0.01000104	-0.0605134	0.03796	-0.0198441	0.218206	-0.218206
FAM151B	0.06627075	-0.04436908	0.1807709	0.07082647	-0.07907229	0.03848593	0.1782724	-0.1782724
ABHD14A	-0.0609354	-0.00117426	-0.02022964	0.0207642	0.01602849	-0.00778073	0.04983626	-0.04983626
FMNL2	0.05394967	0.04620259	0.2441892	0.1461318	-0.03634944	0.1215551	0.05201847	-0.05201847
EID2	-0.08069141	-0.04447834	0.02114616	-0.05632551	-0.0220454	0.01313864	0.04399709	-0.04399709
VPS37A	-0.1570898	0.04072869	-0.04116141	-0.01898202	-0.08477101	-0.06967285	0.01391624	-0.01391624
PATJ	0.1267551	0.03207758	-0.0092886	-0.02434725	-0.01067351	0.03089538	-0.2375959	0.2375959
CCL18	-0.00804575	0.1033771	0.03011889	0.04889783	-0.06012629	0.02469378	0.00371613	-0.00371613
UNG	-0.1022692	0.02353579	-0.01154651	-0.08486383	0.00837286	0.0019523	-0.1235119	0.1235119
TIMM22	-0.09609156	0.07371633	-0.07692602	-0.08164381	-0.04786942	-0.06949361	-0.06741128	0.06741128
RPLP0	-0.02284042	-0.0210955	0.03379193	-0.01271318	-0.06816666	0.05853123	-0.1100596	0.1100596
GAMT	0.01647383	-0.1107483	-0.06046491	-0.02322084	-0.03491006	-0.06228414	0.03613973	-0.03613973
C6orf226	-0.04048768	0.1077481	-0.09760352	-0.07120602	-0.02099585	-0.1424517	0.03151401	-0.03151401
E2F3	-0.00252029	0.0990103	0.1355607	0.06466867	0.0015945	0.1121369	-0.1454441	0.1454441
RUSC2	-0.0615662	-0.06490459	0.1056795	0.01654435	-0.00770661	0.03999999	0.4075043	-0.4075043
DZIP1	0.02689913	-0.1126203	0.09707211	0.0777453	0.04423963	-0.05295235	0.4740336	-0.4740336
HRH2	-0.026921	-0.09874669	0.05233024	0.04380698	0.01354823	0.03790281	0.2050689	-0.2050689
PIR	-0.07470129	0.08275323	-0.05469087	-0.09326339	-0.06054464	-0.07909741	-0.08453187	0.08453187
HSPA8	-0.1619361	0.05056366	0.04911769	0.05187253	0.01371065	0.09143425	-0.1455298	0.1455298
RNF166	0.00117099	-0.0332655	0.1898598	0.03023738	0.08438501	0.1005668	0.1943911	-0.1943911
TTC9	0.09621499	-0.04953854	-0.2045918	-0.09057162	-0.01020268	-0.06696644	-0.09473902	0.09473902
PPP6R3	0.00461048	0.08632168	0.07319621	0.04785283	-0.03639316	0.09130873	-0.1347462	0.1347462
ASAH1	-0.04786261	0.06675164	0.06425449	0.06202402	-0.00963642	-0.04492459	-0.01927733	0.01927733
MFS14A	0.02063537	0.03519924	0.126677	0.03262664	0.06810137	0.06871224	0.03722935	-0.03722935
PXDC1	0.06618809	-0.02501001	0.1214901	0.00902638	-0.03096653	-0.00783297	0.1817613	-0.1817613
OSM	0.05103033	0.05878124	-0.1016018	-0.07381771	-0.02547414	-0.06881126	0.06569516	-0.06569516
SCT	-0.04940353	0.06134927	0.03665453	-0.01855768	-0.04618165	0.02175078	-0.01988435	0.01988435
EFNA5	0.07794682	-0.08451441	-0.00640624	0.09732415	-0.01693872	-0.00728673	0.204442	-0.204442
EBNA1BP2	-0.1337379	0.08542155	0.00334506	-0.01432846	0.00134764	0.05884999	-0.2202488	0.2202488
SUZ12	0.06576533	0.02851078	0.06424656	-0.00697495	0.01569136	0.05237015	-0.2019741	0.2019741
METRN	-0.1243188	0.05824974	0.1107047	-0.05313591	-0.0531796	0.02719998	0.07091807	-0.07091807
SLIT3	-0.00181886	-0.1491354	0.1197791	0.06911022	0.0499643	-0.02845986	0.4257798	-0.4257798
RHOG	-0.1124864	0.01664442	0.05743241	-0.02327272	-0.01083703	0.01928028	0.1821414	-0.1821414
MS4A6A	0.00781696	-0.04839475	0.2230604	0.1238076	0.01593127	0.02047547	0.2656901	-0.2656901
CHST15	0.02285181	0.00199872	-0.0285861	-0.05128962	-0.00587664	-0.06494804	0.1907713	-0.1907713
PPP1R10	0.02593401	0.01619226	-0.03261138	-0.03326168	0.02563658	0.02886801	-0.1645778	0.1645778
PEAK3	0.1060025	-0.05401619	0.08488172	0.01574198	-0.03345086	0.0322024	0.3135869	-0.3135869
MAP3K7	0.00739851	0.03562908	0.1736076	0.1300601	0.04031057	0.09743586	-0.01997042	0.01997042
SSC4D	0.05397774	-0.06068065	-0.03321056	0.00733169	-0.03712908	-0.04592729	-0.00231363	0.00231363
SFRP1	-0.03629456	-0.1997858	0.1073275	0.07933458	0.02480666	-0.07198941	0.3987962	-0.3987962
ZBTB12	-0.01395438	0.00414046	-0.01385654	-0.0147508	0.03815497	0.01240956	-0.02772126	0.02772126
SLC16A8	0.1000452	0.02089146	0.05189005	0.04428496	0.03585099	0.144599	-0.07389978	0.07389978
BNIP3L	-0.1053943	0.04815133	0.09173009	0.05851438	-0.02115271	-0.03911629	0.1555347	-0.1555347
C2CD4A	-0.07798693	0.164002	-0.04004858	-0.03989457	0.05263084	-0.02890099	-0.1260432	0.1260432
LRP5L	0.08850588	0.1981705	-0.00262478	-0.00963709	0.08450259	-0.00410709	-0.109384	0.109384
SFTA2	0.02571774	-0.01979024	-0.03070522	0.04625411	0.1022207	0.03256632	0.07028935	-0.07028935
KCNAB1	-0.05912204	-0.1142707	0.03962373	0.07600274	-0.06193228	0.0511532	0.2280964	-0.2280964
MAP7D2	-0.08661686	0.06631375	-0.1220857	0.03507751	-0.03424951	0.02054065	-0.1322726	0.1322726
WEE1	0.03468865	-0.03850346	0.03702468	-0.05137169	-0.01503489	0.00174689	-0.07505408	0.07505408

PKDCC	-0.00951579	-0.0195385	0.00800797	0.07621366	0.06316842	0.05981969	0.02396691	-0.02396691
TNFAIP2	-0.01795092	0.05663941	0.03984507	-0.02255785	-0.04646263	0.05810401	-0.09169994	0.09169994
ERLIN2	-0.06395286	0.02517117	0.02919674	0.03666684	-0.00369116	-0.0222182	-0.1715926	0.1715926
PSMB9	-0.05886675	0.1137267	0.04901796	-0.02252279	-0.03858011	0.06608601	-0.03439021	0.03439021
NT5C3B	-0.00484904	-0.04332442	-0.01540925	0.03724918	0.03471718	0.04607458	0.05387456	-0.05387456
MDFIC	-0.02344469	-0.1167222	0.2104731	0.1191428	0.06409047	0.07207075	0.3939897	-0.3939897
PIEZO1	0.02085082	0.07201034	0.09770069	0.0892288	0.08763016	0.105592	0.09020061	-0.09020061
AGMO	0.1104336	-0.00137174	0.0791414	0.04213326	0.1380543	0.03498841	0.02378586	-0.02378586
UQCR11	-0.09217493	-0.04583172	-0.02099219	-0.06537841	-0.02184021	-0.01253284	0.08695835	-0.08695835
LACTB2	0.01112949	0.1484349	0.0333823	0.08390267	-0.0363479	0.078547	-0.2034206	0.2034206
SLC25A15	0.05936645	0.04074729	0.0376285	-0.00950154	0.02404638	0.03952915	-0.1864484	0.1864484
GTF2H4	0.01240206	0.1263108	0.03254644	1.10E-05	0.03639268	-0.00225915	-0.06546869	0.06546869
SLC11A1	0.07369585	0.08197598	-0.00516942	0.01134858	-0.01516232	-0.01843181	0.2356913	-0.2356913
CCDC74A	-0.02779277	0.01257292	-0.0561902	-0.05384273	0.07871934	-0.0301538	0.2411666	-0.2411666
EDC3	0.04966465	-0.03746668	-0.0151044	0.01707943	0.0486942	0.08121132	-0.05384135	0.05384135
TM6SF2	0.04683132	0.04684491	-0.02961396	0.02356428	-0.0329816	-0.00569434	-0.1540596	0.1540596
BRD2	-0.03983752	0.1142269	0.05169385	0.04058678	0.06397104	0.06686821	-0.1381163	0.1381163
SLC38A2	-0.00257965	0.02023515	0.09067767	0.04503846	-0.00769206	0.07035682	0.0830406	-0.0830406
RANBP9	-0.00166043	-0.03273111	0.0622721	0.01727184	0.06803133	0.02528735	0.02712113	-0.02712113
PHACTR2	0.1091857	-0.08626922	0.1975744	0.08887217	0.01304082	0.1114639	0.01040204	-0.01040204
FAM50B	-0.04619112	-0.0098383	-0.02782194	-0.02920996	-9.12E-06	-0.00306578	0.03335437	-0.03335437
HTR2B	0.00869264	-0.1367049	0.05415463	0.01345035	0.006617	-0.02050854	0.2855496	-0.2855496
WDFY3	0.06163456	0.00884862	0.1073624	0.0484124	0.04091635	0.02837027	0.1049426	-0.1049426
PORCN	0.0740816	0.01153756	-0.07263777	0.00337212	-0.02348908	0.00024875	0.04030747	-0.04030747
BCL11A	0.03460185	-0.0109439	-0.06728031	-0.0585181	-0.01988594	-0.01904773	-0.00091679	0.00091679
DCST2	0.08113442	0.06101111	-0.05392224	-0.04270354	0.0662552	-0.01740178	-0.1385198	0.1385198
NMT1	-0.02804466	0.1132412	-0.01301128	0.00988751	0.1526964	0.04065725	-0.0667919	0.0667919
ZNF737	-0.02389648	0.00080981	0.05322292	-0.07141705	-0.02566065	-0.02300837	-0.05894662	0.05894662
GOS2	0.04621721	0.03964445	-0.1071441	-0.01822447	-0.00202236	-0.03539964	0.1443297	-0.1443297
RNF150	-0.02823254	-0.1596608	0.1038386	0.04534318	0.02265413	-0.03539103	0.405978	-0.405978
AGGF1	-0.00304211	0.09316308	0.127308	0.05923716	-0.03463761	0.07615503	-0.0785568	0.0785568
IRF5	-0.02857611	-0.03669342	-0.00628643	0.05468191	-0.01970033	0.04977026	0.1442458	-0.1442458
PWWP3A	-0.00642278	0.01225858	0.1612457	0.06261182	-0.01288264	0.1140043	0.06609516	-0.06609516
IGSF23	0.08450996	0.05926779	-0.03504917	-0.03395445	-0.00943761	-0.03005646	-0.1125848	0.1125848
HNRNPA1	-0.04314782	0.04229175	0.1232709	0.011937	-0.01488222	0.09657501	-0.1336318	0.1336318
CSTF3	-0.02136262	0.1027629	0.05652535	0.05396788	-0.00504859	0.08418978	-0.255947	0.255947
PTGDR	0.01245828	-0.00122085	0.05435328	0.0832054	0.0016327	-0.00737719	0.3442028	-0.3442028
HLA-DOA	0.01257686	-0.01575804	0.1572822	0.1173831	0.1056088	0.1191866	0.1184381	-0.1184381
RASSF8	-0.06130719	-0.1380924	0.07776314	0.1078432	-0.02617848	0.01029703	0.359449	-0.359449
PSME1	-0.06992575	0.1410733	0.0819757	-0.0170563	-0.03476122	0.07491664	-0.1029083	0.1029083
FBXO34	0.03113328	0.1060772	0.00056346	-0.01910837	-0.01446215	0.05430707	-0.2606208	0.2606208
LRRC17	0.05029445	-0.1347619	0.1265604	0.09128696	-0.01584107	-0.00283762	0.5140709	-0.5140709
ZNF469	0.02610586	0.04292697	0.01919977	-0.04291962	-0.02611722	0.04460019	0.2960328	-0.2960328
GOLGA7	-0.1273653	-0.07370697	0.09898221	-0.01029407	-0.02142987	-0.02977856	0.02171533	-0.02171533
TMEM8B	-0.00562083	-0.06807058	-0.0282736	-0.01987853	-0.00033133	-0.00383107	0.1716669	-0.1716669
FAM20C	0.00875359	-0.1201194	0.08499057	0.08358054	0.00885187	0.03137252	0.4243232	-0.4243232
C2orf42	-0.07641209	-0.09608408	0.09351909	0.03448768	0.02700595	0.08154152	0.1437652	-0.1437652
CTSB	-0.01994094	-0.04690166	0.08087986	0.05911902	0.0502416	0.1150778	0.1271059	-0.1271059
ASTN2	-0.06284908	-0.06167649	-0.00705699	0.05042607	-0.02760135	0.05998867	0.1297757	-0.1297757
INO80C	-0.07629193	0.06960677	-0.00359591	0.00848926	-0.05100339	0.02005364	-0.1409602	0.1409602
HEY1	0.01239368	-0.04351393	0.02395246	-0.05382653	-0.05315389	0.01826125	0.1759575	-0.1759575
SSPN	-0.00804566	-0.1539449	0.1655763	0.1600165	-0.01048774	0.05807424	0.4755033	-0.4755033
RASSF6	-0.02900939	0.07881316	-0.03119185	-0.06543373	-0.05218911	0.00339602	-0.169898	0.169898
OTC	-0.01377712	0.09627199	-0.08530045	0.00170402	-0.00017738	-0.08965385	-0.08991917	0.08991917
FBXW5	-0.03342714	0.04342873	-0.04512066	-0.05461201	-0.00713331	-0.03331377	0.05837561	-0.05837561
FASN	0.04881326	0.09576896	-0.04327757	-0.01959897	0.01512919	0.02725326	-0.1695507	0.1695507
BRD3OS	-0.07804817	-0.1258747	0.00464911	0.02432083	-0.04362296	0.05434519	0.2726928	-0.2726928
C20orf204	0.04387466	0.02220117	-0.07458349	-0.04720023	-0.05968974	-0.01595782	-0.02948989	0.02948989
CXXC4	0.00509959	-0.06159172	-0.03918306	0.04081858	-0.03731387	0.00232866	0.04853311	-0.04853311
GPALPP1	0.1088199	-0.01972569	0.06286169	0.0283946	0.0326184	0.05690562	-0.00632769	0.00632769
C17orf107	0.05855619	-0.0066593	-0.06447753	0.03885321	-0.05789066	0.05265695	0.1173521	-0.1173521

ZNF182	0.06506001	0.04796808	0.1206329	0.05864269	0.03516855	0.1026991	-0.07951458	0.07951458
MS4A1	-0.08085434	-0.07404852	0.01836326	0.05516004	0.01775446	0.01787129	0.06447221	-0.06447221
ZCCHC2	-0.09403552	0.1704911	0.1635194	0.03527793	0.06793631	0.06081132	-0.04954124	0.04954124
MGRN1	0.05777301	-0.00355204	0.0978559	0.06634783	0.04277189	0.1157066	0.02478872	-0.02478872
NXF1	0.01490088	0.04970975	0.03303548	-0.00145778	0.05995419	0.03984062	-0.06200178	0.06200178
ZNF521	0.03142716	-0.1274538	0.1824801	0.08412843	0.03855392	0.05093321	0.5263229	-0.5263229
AUNIP	-0.1029868	0.0544013	0.020384	-0.04901315	-0.00754786	0.04492544	-0.2858071	0.2858071
ZNF579	0.03410106	-0.02727759	-0.07314389	0.00351303	-0.02394339	-0.00931854	0.03068528	-0.03068528
TM4SF5	0.07961941	-0.06312624	-0.03624346	0.05265083	-0.0286987	0.0738348	-0.11507	0.11507
COQ4	0.01349897	0.136732	-0.09748043	-0.08809286	-0.02988882	-0.01810159	-0.2013207	0.2013207
SF3A2	-0.04601709	0.107895	-0.03171142	-0.09535592	0.00388822	0.0027782	-0.02668138	0.02668138
WBP11	-0.02485123	0.09282442	0.1387084	0.03162426	-0.01228536	0.1158247	-0.1898921	0.1898921
ESRRA	0.0508771	0.09137382	-0.06014388	-0.05069376	-0.03845785	0.02885476	-0.3071777	0.3071777
AGPAT2	-0.08623372	0.09002501	-0.00863579	-0.01669074	0.01602495	0.03673971	-0.1343102	0.1343102
FAM200A	0.07752587	-0.02475119	-0.01311982	0.049081	-2.81E-05	-0.01262777	-0.0306067	0.0306067
SPRR3	0.03126802	-0.03315988	-0.1573643	-0.05908708	-0.02951116	-0.0627139	-0.08259412	0.08259412
SIX1	0.00531845	0.1027598	0.00140447	-0.05355299	-0.03955942	0.00128497	0.00509306	-0.00509306
CD1D	0.04283164	-0.1079701	0.1312552	0.1237305	0.05437623	0.08034391	0.2826605	-0.2826605
HIF1A	0.03653367	0.059389	0.0685843	0.116635	-0.00035104	0.0452577	0.05086124	-0.05086124
NDUFB1	-0.02660644	-0.07012856	-0.06949383	-0.0189073	-0.03710361	0.04829116	-0.1316191	0.1316191
TOP1MT	-0.06091954	0.1615965	0.09422298	-0.0138275	-0.00262483	0.07315343	-0.2203514	0.2203514
EFCAB14	0.01617972	0.03890618	0.08180026	0.06683642	-0.00436335	0.03738615	-0.09156614	0.09156614
NAT2	-0.06273164	0.09756215	-0.00071874	0.05333286	-0.01846271	-0.00393823	-0.1745317	0.1745317
PYCR2	0.03781563	0.0134093	0.03308085	-0.01168386	0.02271645	0.01859835	-0.07255028	0.07255028
SLC22A4	0.1231698	0.07062154	0.00893598	-0.00094925	-0.04490241	0.00709934	0.04768792	-0.04768792
R3HDM4	-0.0609948	0.1345584	-0.04030982	-0.1393168	0.00615132	-0.06382764	-0.01789847	0.01789847
IQCK	0.08820234	-0.0907662	0.01871769	0.01737772	0.10594	0.07772722	-0.04208225	0.04208225
CDH1	0.07012839	0.146703	-0.04176565	0.01783031	0.07089147	0.04019963	-0.3487378	0.3487378
RPS5	-0.08443689	-0.00511286	0.00143392	-0.00240136	-0.03408626	0.02280231	-0.01477034	0.01477034
NUAK2	0.09868323	0.07679226	-0.1333597	-0.09292164	0.01289343	-0.04803751	-0.1529678	0.1529678
GJA1	0.00650395	-0.02407263	0.0575178	0.03929732	-0.00567988	-0.03525639	0.2894583	-0.2894583
ZNF827	0.07979511	-0.07183876	0.06240832	0.1334101	0.07522707	0.0980792	0.05935735	-0.05935735
BLOC1S4	0.01145984	-0.01087643	-0.03053675	0.01515715	-0.01832503	0.01746725	-0.06523721	0.06523721
FAM229B	0.0014347	-0.1673329	0.08250555	0.0502226	0.06073483	-0.05409927	0.4424635	-0.4424635
DMXL2	0.1106754	0.07833488	0.1275113	0.1256985	0.00872876	0.09125581	-0.1583454	0.1583454
DIAPH1	0.03363047	0.05951208	0.07165971	0.07217814	0.00755277	0.1287868	-0.2111242	0.2111242
SLC5A9	0.138179	-0.02417876	-0.00540597	0.0580462	-0.0111265	0.03346969	-0.112241	0.112241
CHRNA7	0.04615928	0.1238257	-0.1024866	0.00719498	0.2110867	-0.05026214	-0.05654534	0.05654534
USP27X	0.0653237	-0.08263858	0.07688562	0.0088844	0.08929399	0.02484938	0.1104625	-0.1104625
OGN	0.0277421	-0.1749347	0.1252952	0.07634935	0.01628046	-0.03850382	0.3945509	-0.3945509
MOGS	-0.02039138	0.08885316	-0.03396144	0.03727611	-0.00713636	0.07377158	-0.1736814	0.1736814
SPSB2	-0.00074634	0.07160009	0.01932029	-0.03815273	-0.00713434	0.05781608	-0.01194053	0.01194053
OSBPL10	0.01372318	-0.05462184	0.07372244	0.08041058	0.1024135	0.140049	-0.01741618	0.01741618
CLINT1	-0.03678333	0.06091112	0.05365658	0.07816001	0.02000854	0.00409889	-0.1980548	0.1980548
GMCL1	-0.0300971	0.08220426	0.1489758	0.01060153	-0.01037059	0.08701476	-0.2811701	0.2811701
SVIP	0.03298124	0.04458208	0.06135094	-0.01721321	0.00394438	0.02533822	-0.1553136	0.1553136
CLCN7	0.1012839	-0.01873826	0.07919317	-0.00626595	0.03595155	0.04893946	0.04631797	-0.04631797
PTPRG	0.062394	-0.01037761	0.1748727	0.1401202	-0.00570708	0.07605851	0.07433073	-0.07433073
PHPT1	-0.1024274	0.06444594	-0.00514857	-0.02935554	-0.01526167	-0.00229896	-0.00395578	0.00395578
PITPNM1	-0.06266818	0.08441751	0.07362101	-0.00826982	-0.01903763	0.07184143	-0.17253	0.17253
ZNF563	0.08200713	-0.04240135	-0.01513988	-0.07122318	0.04161764	-0.0703063	-0.01254985	0.01254985
KLF10	0.04206511	-0.08726304	0.1559965	0.09465781	0.06388658	0.0453644	0.2977042	-0.2977042
EXOC3	0.060467	0.01995275	0.07262146	-0.03001922	0.01023703	0.06968958	-0.01804704	0.01804704
F8	0.02063885	-0.08195543	0.1312934	0.1142346	0.08223985	-0.01764478	0.3630264	-0.3630264
DUSP11	-0.07638105	0.1076995	0.03277615	0.03688027	-0.00859167	0.00116419	-0.1528016	0.1528016
SDHA	-0.02030272	0.1759946	-0.00089744	-0.08203583	0.00047338	-0.00079973	-0.2773361	0.2773361
MRPL12	-0.00952462	0.05761443	-0.02003225	0.03345248	-0.00837178	0.07334134	-0.1936005	0.1936005
ATOX1	0.01789978	-0.03857555	-0.04661878	-0.03953923	0.01375741	0.030409	0.1266699	-0.1266699
DPP7	-0.06541589	0.07111113	-0.0157238	-0.08598114	-0.05252454	-0.00175603	0.1007143	-0.1007143
TLE4	0.05311416	-0.09763392	0.1421414	0.02889253	-0.06223409	-0.00086848	0.2644476	-0.2644476
RRP1	-0.03480103	0.05473229	-0.01423615	-0.06611303	0.04337507	0.00440356	-0.1442885	0.1442885

SHC3	0.08363989	-0.08716573	-0.05657666	-0.07015104	-0.07477952	-0.08582458	0.1894035	-0.1894035
NEK7	-0.04059552	-0.0503412	0.2247127	0.0942342	0.0249247	0.04821663	0.1283744	-0.1283744
PEX13	0.00451229	0.09831174	0.08706446	0.03623567	-0.01222051	0.07979461	-0.1778027	0.1778027
GTF2A1	-0.01309635	0.0190246	0.1535959	0.04952744	-0.0129097	0.08933152	-0.06090512	0.06090512
CAT	-0.04342879	-0.03196274	0.04794175	0.1053066	-0.04017767	0.01429564	-0.06372994	0.06372994
MMP12	-0.07255813	0.07009364	0.09515249	0.00242241	-0.04637047	0.00245925	-0.1406303	0.1406303
SAMD11	0.05733572	-0.1718516	0.02934629	0.03474495	-0.05113298	0.03228408	0.4044588	-0.4044588
ANO9	0.07508197	0.1533886	-0.01369915	-0.00862046	0.01428959	0.05213139	-0.201893	0.201893
TMEM62	0.1226018	0.1078402	0.09684385	-0.04108467	0.00714076	0.04110217	-0.2497777	0.2497777
CDK16	-0.1738802	0.04259265	-0.06615159	-0.09959893	-0.0076492	0.01151	-0.1092321	0.1092321
CCDC117	-0.04993433	-0.00129431	0.08547846	-0.01739177	0.01504115	0.03396588	-0.04951097	0.04951097
TARDBP	0.02486003	0.1100101	0.0533156	0.02502136	0.02721176	0.06006567	-0.2248894	0.2248894
TPD52	-0.03434816	0.1521879	-0.03423111	0.07630675	-0.02739346	0.00881817	-0.3570804	0.3570804
PFDN6	-0.1223054	0.05749446	-0.01110053	-0.07431386	-0.0315208	0.00677685	-0.07375887	0.07375887
RAB1B	-0.00227672	-0.00458412	-0.1107521	-0.06892651	0.00613879	-0.00122529	0.08872538	-0.08872538
C4B	0.00899906	-0.1195827	0.1964642	0.1981495	0.1647866	0.1405259	0.3534082	-0.3534082
RPS29	-0.06714231	-0.06034098	0.02509504	0.03865224	-0.02188254	0.05748458	-0.03205866	0.03205866
SLC35D2	0.06004352	0.09226798	0.00796843	-0.08324418	-0.01707441	-0.08861438	-0.2503444	0.2503444
DHX8	0.03267947	0.08923532	0.1134661	0.04278592	0.07024047	0.1357851	-0.06646959	0.06646959
ACHE	0.02593807	0.05452712	-0.00491295	0.03450855	-0.03017306	0.01543262	-0.06266657	0.06266657
PERM1	-0.0055014	0.0579628	-0.0726564	-0.01255367	-0.01573857	0.00382711	-0.04353642	0.04353642
DNM1L	-0.08900805	-0.02897874	0.1140881	0.06598763	-0.03831943	0.08419586	6.09E-05	-6.09E-05
KLHL11	0.0244212	0.01466152	0.1193194	0.04044723	0.00385328	0.1210912	-0.08746785	0.08746785
NHSL1	0.0312416	0.00329034	-0.01804839	-0.021789	0.06877285	-0.02133218	-0.116723	0.116723
FOXJ3	0.04215197	0.01812282	0.06397246	0.1013983	-0.00113817	0.129742	-0.1207005	0.1207005
MMP16	-0.02479592	-0.07151148	0.04535131	0.09397442	-0.01307031	0.05417514	0.2966323	-0.2966323
DDAH2	0.01471348	0.04014343	-0.04668061	-0.07153732	0.00332669	-0.02789669	0.08894951	-0.08894951
RNASET2	0.06635431	0.09924098	-0.04484289	-0.05624363	0.04238483	-0.1372879	-0.07031648	0.07031648
PFKP	-0.03649327	0.0977712	0.00820375	0.01559559	0.05806955	0.07832426	-0.08201911	0.08201911
ADCYAP1	-0.00835362	-0.06183837	0.07405355	0.06884525	-0.03191782	-0.05427125	0.1879779	-0.1879779
MUC4	0.07094981	0.04274078	-0.09846585	0.04332514	-0.0423077	0.01835281	-0.0435421	0.0435421
CTH	-0.07646562	-0.01202082	0.07719761	-0.05575871	-0.020923	-0.00946585	-0.09752711	0.09752711
ZNF580	-0.08652934	-0.06381043	-0.00396844	0.00058818	-0.02034256	-0.04574898	0.3287898	-0.3287898
AIDA	-0.03599729	-0.02829784	0.1897685	0.02562779	-0.00233791	0.03747947	0.08033403	-0.08033403
CEP164	0.06503591	-0.03635451	0.03574962	0.04435617	0.01507328	0.1114717	0.03605447	-0.03605447
ZBTB25	-0.06553606	-0.0722544	0.1966888	0.08863367	0.06634127	0.148989	0.1333552	-0.1333552
OLR1	-0.07276644	0.00327113	0.1627033	0.04598486	0.04440681	0.03519618	0.3159515	-0.3159515
SPRED1	0.07192574	0.01813123	0.2558624	0.1704968	0.0704723	0.1657881	0.09353358	-0.09353358
POGLUT1	0.01251237	0.03213311	0.1064183	0.0393739	-0.0388024	0.06946571	-0.03144095	0.03144095
LAGE3	0.04510524	0.02205668	-0.09790983	-0.08726388	-0.03610402	-0.06794032	-0.08958785	0.08958785
RAB39B	-0.01005315	-0.04454912	-0.02318755	-0.01920651	-0.00950707	0.00178659	0.06864343	-0.06864343
TMEM129	0.06099762	0.02106719	-0.06586276	-0.01603095	-0.05344451	0.00044106	0.0183246	-0.0183246
URB1	0.06797694	0.03610117	0.04167482	0.01519615	0.103307	0.07720675	-0.1082835	0.1082835
BRK1	-0.0935628	-0.06563653	-0.0726505	-0.06955267	-0.00664389	-0.08662392	0.1779068	-0.1779068
APRT	-0.1253342	0.03541963	-0.02820645	-0.0069018	0.01662985	0.01352277	-0.06830383	0.06830383
RBP1	0.0347187	0.05045533	-0.09788267	-0.1337404	-0.02197782	-0.120449	-0.02439843	0.02439843
IL34	0.03540544	-0.08678548	-0.00840229	-0.04275915	0.07276277	-0.01932124	0.2211621	-0.2211621
TMEM130	-0.04350103	-0.1495847	0.1089761	0.05665494	-0.00177096	0.0550265	0.3180488	-0.3180488
APBB2	-0.01914727	-0.02586093	0.141207	-0.00326769	-0.03996516	0.01831773	0.2054101	-0.2054101
TDRD7	-0.01316256	0.1207255	0.05191625	0.02806434	-0.01535168	0.04942243	-0.1895889	0.1895889
GATB	-0.03133829	0.01573892	0.01514609	-0.00274374	0.02471251	-0.00182853	-0.1670781	0.1670781
KDM6B	0.0542576	0.04831854	0.04197523	0.04758304	-0.08557865	0.06654194	0.03859709	-0.03859709
EARS2	-0.00362731	0.01517724	0.08910717	0.07965575	0.01926778	0.0940446	-0.1164346	0.1164346
UQCR10	-0.1009572	0.05211982	-0.1236774	-0.08737566	-0.0590733	-0.09634549	-0.1343725	0.1343725
MOSMO	0.05426371	0.0273572	0.1959112	0.1443747	0.02542047	0.08008642	0.192643	-0.192643
AURKB	-0.1417471	0.1231345	-0.03739172	-0.04132455	-0.04593015	0.01612706	-0.2454234	0.2454234
COX7C	-0.07054366	-0.03802727	0.04116354	0.05270356	-0.08416637	0.08700772	-0.03955837	0.03955837
FAM131C	-0.1183947	0.03232082	-0.00547941	-0.04171892	0.00971972	0.05863506	-0.00802847	0.00802847
DISC1	0.09646529	0.03295844	0.06855665	0.04033888	0.04287311	0.01774392	0.2164866	-0.2164866
DARS	-0.1047939	0.03705267	0.08267886	0.06108507	0.07311661	0.00980834	-0.05869762	0.05869762
GRSF1	-0.07046114	0.07706849	0.05025988	-0.01602897	-0.02938257	0.07479822	-0.2888358	0.2888358

ADGRG6	-0.04563136	0.06401928	0.08302323	0.158255	0.0678523	0.1465074	-0.1912655	0.1912655
METTL27	-0.02619544	0.1186584	-0.06614469	-0.08351576	-0.01679741	-0.03621917	-0.04717058	0.04717058
MIER2	-0.01412156	0.05074406	-0.01269711	-0.07179387	0.0126419	-0.01550729	0.05112509	-0.05112509
NIPA2	0.0207626	0.07645165	0.09949135	0.04858025	0.02617072	0.06631182	-0.192219	0.192219
MCRIP1	0.05648693	-0.06545102	-0.08368812	-0.03283344	-0.04711684	-0.05350208	0.3563092	-0.3563092
CCNI2	-0.04232506	0.09689645	-0.00731484	-0.01826355	-0.0173538	0.05478117	-0.1988543	0.1988543
C10orf143	0.01852589	-0.09850986	0.00158021	-0.09899408	-0.00108875	-0.1182942	0.03628844	-0.03628844
MAP2K2	-0.01224388	0.00447033	-0.03682683	-0.07506992	-0.0105061	-0.01711336	-0.00070896	0.00070896
SLFN12	0.0999845	0.00105371	0.1436879	0.1126644	0.0266407	0.1217695	0.04188226	-0.04188226
VPS53	0.04943118	0.09184859	0.07807355	-0.00369995	-0.00784041	0.0628784	-0.07373724	0.07373724
TPCN2	0.06234271	0.05207173	0.06424221	0.09354792	0.02286857	0.08734544	0.00854961	-0.00854961
BCL9L	-0.03415138	-0.02295217	0.0245152	0.02437212	-0.02481644	0.09033994	0.1494284	-0.1494284
PKN2	0.00153071	0.1126939	0.1600679	0.07092789	0.00990453	0.07030398	-0.2768007	0.2768007
ENTPD1	0.07637568	-0.0687731	0.2234639	0.1116189	0.02490321	0.07158388	0.4351915	-0.4351915
EPC1	-0.04589561	0.04479392	0.06981565	0.04673244	-0.01156029	0.02330959	0.02719935	-0.02719935
ADGRG5	0.00345995	-0.02802325	0.07896803	0.00134146	-0.01132085	0.08504398	-0.09552136	0.09552136
PDPN	0.08596893	0.01064513	0.06440901	0.03159919	-0.04502636	-0.04563407	0.382665	-0.382665
MT1X	-0.05061843	-0.08216536	-0.1372816	-0.02410197	-0.06048069	-0.1335392	-0.00053627	0.00053627
MMP9	0.07168125	0.07529681	-0.00436226	-0.06675875	0.01201738	-0.04393955	0.09993542	-0.09993542
MREG	-0.02408491	0.05621641	0.01794744	0.00923266	-0.00049951	0.04310369	-0.1993426	0.1993426
GPRIN1	-0.01633167	0.03654665	-0.07506308	-0.05477712	-0.0158672	0.01778411	-0.09000344	0.09000344
MED24	0.0759604	0.02588803	-0.02459793	-0.00593344	0.00878949	0.04584836	-0.1536585	0.1536585
COL22A1	0.108208	-0.05573334	0.04215249	-0.0350812	-0.03142697	0.03348617	0.00584296	-0.00584296
ARMCX3	0.05524156	-0.00420497	0.1565649	0.09102718	0.00473935	0.07137527	0.1219656	-0.1219656
TTC22	0.01186487	0.1088274	-0.136912	-0.04088305	-0.03121894	-0.02946159	-0.2478606	0.2478606
RGS10	-0.1395745	-0.04917517	0.08249592	0.01049033	-0.0340165	0.00945708	0.2519359	-0.2519359
SPDYE21P	0.04878424	-0.08517706	0.09462565	0.06837699	0.05390167	0.02484853	0.1623181	-0.1623181
CSRP2	-0.00938871	-0.1182819	0.07238791	0.04055892	0.02688701	-0.05060285	0.3450171	-0.3450171
HPGD	0.03828799	-0.02261395	-0.02367696	0.1115244	0.00717893	0.0941907	-0.1769698	0.1769698
H3F3A	0.09313913	0.05025351	-0.146074	-0.06745473	-0.08775195	-0.09596366	-0.02548063	0.02548063
ZNF317	-0.06788037	-0.1079383	0.08080907	-0.06430447	-0.00355891	0.04915782	-0.05183497	0.05183497
S100A5	-0.0519121	0.07398984	0.05062309	0.07663846	-0.01502727	-0.0358521	-0.07920131	0.07920131
ZFPM1	0.02450927	-0.03066536	0.01168222	0.02363611	-0.00890839	0.01166243	-0.1520049	0.1520049
TCN2	0.04828107	-0.06695315	0.1096436	0.05728343	0.03011022	0.02458929	0.2456437	-0.2456437
SLC17A5	0.06603712	0.1738146	0.04476954	0.0118952	0.00013212	-0.05399992	-0.2017462	0.2017462
UQCC3	-0.1290655	0.09551156	-0.08440733	-0.1349588	0.01067008	-0.0412656	-0.1059865	0.1059865
BTG2	0.02992366	-0.1223326	0.07427346	0.04528958	0.1168021	-0.07808455	0.1175859	-0.1175859
ODF3L1	0.0553155	-0.0940086	-0.01087404	-0.02116563	0.00216357	-0.01123582	0.1569058	-0.1569058
QRSL1	-0.07332099	-0.1111603	0.06997115	-0.05982961	-0.01778043	0.03672732	-0.04650935	0.04650935
TMED2	-0.03195714	0.04697978	0.09848302	0.01957377	-0.04099957	0.05853412	-0.1719633	0.1719633
COIL	-4.13E-05	0.08284306	0.00389576	-0.00878252	0.01660953	-0.01285634	-0.1512418	0.1512418
ZNF789	0.1068863	0.05746418	-0.00769499	0.07600142	0.00495087	0.00563784	-0.1294104	0.1294104
ARF5	0.01202659	0.08795484	-0.0933314	-0.1754525	0.01899844	-0.1327376	-0.06820648	0.06820648
PARPBP	-0.02185383	0.02647833	0.03131966	-0.05250098	-0.04672107	0.02027984	-0.2544933	0.2544933
KPNB1	-0.07927797	0.0937888	0.0335166	0.02266499	0.05452219	0.07946882	-0.1579963	0.1579963
PCMTD2	0.08928732	0.01235087	0.0485629	0.00868794	-0.05639757	0.03551077	-0.05851899	0.05851899
ADD1	0.05073649	-0.07628883	0.06899771	0.09019068	0.02532556	0.00644575	0.2500023	-0.2500023
ARL14EP	-0.02628757	-0.1100828	0.1782388	0.1012746	0.01410083	0.07783243	0.1795623	-0.1795623
ZRANB3	0.05751979	-0.03881546	0.103459	0.1074698	0.06253735	0.09720846	-0.1400154	0.1400154
SASH3	-0.08309626	-0.03710648	0.08557491	0.03985873	0.00548162	0.0674772	0.110743	-0.110743
FAM219B	0.05214945	-0.03666598	-0.00301735	-0.02610659	0.01904363	-0.01839188	0.1986325	-0.1986325
POSTN	0.02354767	0.0679799	0.159593	-0.0163318	-0.01940869	0.01254014	0.5126253	-0.5126253
NADSYN1	-0.01774907	0.1369033	0.1004886	0.05911638	-0.01476892	0.1053771	-0.1156884	0.1156884
HECTD1	0.05749021	0.02360788	0.07430021	0.09897304	-0.00367095	0.1055616	-0.1927436	0.1927436
NAA60	0.06675416	0.01636887	-0.05046509	0.02475093	-0.00537863	0.0104384	-0.01834121	0.01834121
ALKBH5	-0.05364261	0.00477911	0.1035599	0.04090869	0.00212781	0.04865331	0.03756402	-0.03756402
NGEF	0.07999221	0.1341714	-0.03275712	-0.08667705	0.04513399	-0.02210968	-0.1473546	0.1473546
ARL6IP6	-0.03746173	0.1207411	0.02752451	-0.01934209	0.01717216	0.02591246	-0.1420914	0.1420914
PCYT1A	0.05535226	-0.01495356	0.1088971	0.07566487	-0.00826774	0.09120796	-0.02196204	0.02196204
MRPL9	-0.00857134	0.00366124	-0.00088428	-0.0370419	0.03939029	-0.01643839	-0.1081171	0.1081171
TANGO6	-0.01407725	-0.01216208	0.1987498	0.05576256	0.1200644	0.1019049	0.05033619	-0.05033619

TEDC2	-0.0674069	0.05578099	-0.04318034	-0.06132761	-0.02439319	-0.01292746	-0.1869721	0.1869721
LRFN1	-0.1119935	-0.01284917	-0.00703119	-0.00468828	-0.02811881	0.02846908	-0.03676452	0.03676452
CCNDBP1	6.23E-05	-0.03426341	0.05145021	0.08795766	-0.05838338	0.05633937	-0.05475515	0.05475515
PTGES2	-0.05425881	0.1442579	-0.04179319	-0.1131314	-0.03247053	-0.0287616	-0.182879	0.182879
ZNF319	0.04162798	-0.06298312	0.04046803	0.02099979	0.07228359	0.06802136	0.138035	-0.138035
PPP1R1B	0.07572989	0.07377383	-0.01745839	-0.01508571	-0.02351135	0.01721868	-0.0737227	0.0737227
DENND3	0.00652547	0.03156946	0.09927279	0.1881027	0.03158532	0.1142262	0.1382758	-0.1382758
CRAT	-0.05563017	0.08399908	-0.0989663	-0.1495718	-0.00344042	-0.08101117	-0.07786099	0.07786099
CHST14	0.04866431	-0.08392069	0.03779537	0.04838013	0.00499783	0.00679888	0.3433381	-0.3433381
GLB1	0.02360905	0.05263677	-0.02741436	0.03470046	0.01801445	-0.00259797	-0.1688462	0.1688462
ZNRD2	-0.1063031	0.01778142	-0.01642436	-0.01373167	-0.0060442	0.07574859	0.05820667	-0.05820667
SACS	-0.03262942	-0.02895325	0.1553199	0.05515884	0.01403066	0.09610668	0.1859161	-0.1859161
SWSAP1	-0.07831611	-0.05486984	-0.03647394	-0.1102996	-0.02274755	-0.06931146	-0.08176521	0.08176521
MLX	0.01325397	0.0904019	0.00434756	-0.04775537	0.08860315	0.01533737	-0.2295398	0.2295398
TPCN1	0.1171997	0.05406911	0.04230746	0.05930663	0.1058591	0.07217862	0.07502537	-0.07502537
JPH1	-0.0070693	0.1613266	-0.06601438	-0.1193295	-0.02638117	-0.1238761	-0.1456599	0.1456599
HSH2D	0.01524972	0.1166184	0.07160939	0.02422296	0.06709587	0.06135964	-0.1099268	0.1099268
NCBP2AS2	-0.02204191	0.0308945	-0.0301381	-0.02844439	-0.01184644	-0.0569652	-0.04665412	0.04665412
TUBA3D	0.07250426	0.03157255	0.05484385	0.08718959	0.1065345	0.05460016	0.0321842	-0.0321842
FAM161A	-0.05951385	-0.00936442	0.03623128	0.01370723	0.04918202	0.05003528	-0.02546412	0.02546412
RNFT2	-0.06831053	-0.05848276	-0.01448888	0.00584523	-0.04557292	0.07977037	-0.06899313	0.06899313
CD19	-0.0810888	-0.05435229	0.00618895	0.01704263	0.00112134	0.02361291	0.02473263	-0.02473263
ZBTB10	0.05413871	-0.03784218	0.06397295	0.06444634	0.02360022	0.08739995	0.1178291	-0.1178291
PECR	-0.01516722	0.08134806	-0.04408724	-0.05321439	-0.06163566	-0.07967664	-0.1186265	0.1186265
DENR	0.00861895	-0.03481336	0.1040501	0.03081033	-0.03177845	0.1075274	-0.1617765	0.1617765
GPX3	-0.06100494	-0.1153266	-0.02582314	0.07602422	-0.01282321	-0.00944075	0.2318457	-0.2318457
ASAP1	0.03454007	0.01458022	0.1355758	0.05835836	0.00702972	0.0677046	0.1868691	-0.1868691
ARHGAP15	-0.02612209	-0.09293983	0.1949222	0.0772438	0.05335073	0.01369862	0.2909709	-0.2909709
AC040162.1	0.0830507	0.1260221	0.08410942	0.08201168	0.1201385	0.07941081	-0.1144594	0.1144594
FAU	-0.102524	0.05254732	-0.02734927	0.00132113	-0.05368141	-0.01608207	-0.01304613	0.01304613
LASP1	0.00263096	0.0328419	-0.0577059	0.00473111	0.00532089	0.01375403	-0.1582682	0.1582682
RAB23	-0.01344761	-0.169802	0.1203431	0.01755526	0.01185967	-0.04475299	0.3505204	-0.3505204
RPL39	-0.06524522	-0.03801384	0.1099908	0.03926191	-0.02716619	0.1032744	-0.03012982	0.03012982
ABHD15	-0.00366796	-0.00304901	0.09026565	0.03604963	0.01566294	0.07340904	-0.05210993	0.05210993
RNF152	-0.00067626	0.015431	0.09843272	0.05811883	0.03457611	0.03740131	0.2131063	-0.2131063
NIPAL4	-0.04309124	-0.1362477	-0.04410155	0.00202638	-0.00548146	0.00315057	0.1430215	-0.1430215
RMDN2	0.03377577	-0.1402982	0.1064371	0.09414791	0.0649416	-0.01936709	0.2855795	-0.2855795
RASD1	0.06880209	0.03893815	-0.08371363	-0.01219862	-0.02462687	-0.05574804	0.131928	-0.131928
SH3BGRL	-0.01837571	-0.1241648	0.1537877	0.08301792	0.04479641	-0.03458087	0.3982498	-0.3982498
PCDHB11	-0.1083669	0.08539253	0.05102444	0.01757325	-0.03272111	0.02058504	0.1414662	-0.1414662
POLR3E	0.02876097	0.05773479	0.08090672	0.1205424	0.02192735	0.0979704	-0.1486203	0.1486203
ARPC1A	0.03575812	-0.0217458	-0.04539714	0.1113503	-0.06931292	0.00051193	-0.1136619	0.1136619
FAM209B	0.0715424	-0.02106462	-0.04869385	-0.00588352	-0.09211166	-0.04248629	-0.04901137	0.04901137
RUNX3	-0.1397228	0.04806988	0.02170478	-0.05997105	0.1160227	0.01480697	0.01673597	-0.01673597
LIPC	0.05670796	-0.04902191	-0.02633188	-0.04603356	-0.02174269	-0.00723287	-0.1344192	0.1344192
B4GALNT4	-0.1177866	0.04691907	-0.05736757	-0.04669511	0.00779972	-0.00341232	-0.01647503	0.01647503
SYNRG	0.03755927	0.01032313	0.1289475	0.08143533	0.08615548	0.1232963	-0.01591279	0.01591279
PPM1F	0.05883992	-0.02615858	0.05322859	0.00340849	0.02655872	0.02132544	0.3180065	-0.3180065
ROR2	-0.06252187	-0.163894	0.1271329	0.01861117	0.03206163	-0.01436926	0.488977	-0.488977
SULT1E1	0.04152046	-0.08537524	0.04323989	0.01004137	0.03206815	-0.00057292	-0.00746419	0.00746419
NSDHL	0.02193884	0.05667075	-0.06728467	-0.06351596	0.05346172	-0.02075832	-0.1941687	0.1941687
SERPINE2	-0.02802625	-0.09079136	0.1205025	0.09126818	0.031353	0.04253769	0.3024788	-0.3024788
SPART	-0.01771752	-0.1185765	0.1545306	0.08565584	0.05363065	0.03036977	0.3560468	-0.3560468
CALU	0.04509311	0.04234762	0.1447717	0.07873233	0.00958954	0.01504919	0.2901938	-0.2901938
C16orf72	0.01699377	-0.06255811	0.1383123	0.1084391	0.05821502	0.1313742	0.07392523	-0.07392523
PIEZO2	0.04066141	-0.062719	0.1045231	0.1032409	-0.01341474	0.03935575	0.3625222	-0.3625222
FGF9	0.09312203	-0.042231	-0.01957808	-0.04185245	-0.04699466	-0.03920956	0.02993161	-0.02993161
RFFL	0.0598582	0.0887546	0.1061651	0.01843669	0.08867157	0.09673295	-0.1457061	0.1457061
KLHL38	-0.05370141	-0.03805642	0.05603839	0.01374811	-0.01490064	0.00604626	0.3082764	-0.3082764
MRPL17	-0.137	0.08396482	0.04595342	-0.03845403	0.021033	0.1219693	-0.06740357	0.06740357
VPS8	0.05852131	0.03812262	0.1371152	0.04257894	0.02258327	0.07677839	-0.03349258	0.03349258

MAP3K10	-0.00667222	-0.00844145	-0.00418066	-0.03841323	-0.01011854	0.02766203	0.06467857	-0.06467857
WDR83OS	0.01928306	0.00928187	0.03690878	-0.01337899	-0.01280363	-0.00186611	0.0873988	-0.0873988
UTP11	-0.1348337	0.04490033	0.07578069	-0.00825564	0.05498955	0.04231977	-0.1099948	0.1099948
RGS3	0.00871646	0.02671632	0.00532021	-0.0059473	0.02167009	0.02594727	0.1622805	-0.1622805
ADAM17	0.02580224	0.04463796	0.1036298	0.1022307	0.07485854	0.09154779	0.00672049	-0.00672049
CWC15	-0.09357785	0.05817763	0.1089271	0.01583086	-0.03053412	0.07019928	-0.05833948	0.05833948
SLC35E4	-0.09291168	0.0022596	0.04822036	-0.1099637	0.0085768	0.00596321	-0.06550365	0.06550365
KCNJ10	0.08131798	0.00148251	-0.00415635	0.00899699	-0.03463092	0.01029908	0.06502426	-0.06502426
PPTC7	-0.038621	0.01427119	0.1306354	-0.02363167	0.01317714	0.05175214	-0.0079353	0.0079353
DUSP10	-0.06947375	0.00340283	0.0549215	-0.10349	0.03905257	-0.02082356	0.09624992	-0.09624992
DDIT3	-0.05496874	0.08297572	0.04834818	0.01301727	-0.01261662	0.02463507	0.04590658	-0.04590658
GPBAR1	0.013386	-0.1895582	0.06283232	0.02625034	-0.02995671	0.00375761	0.3766129	-0.3766129
LHX6	-0.03883375	-0.0985399	0.1417756	0.05008611	0.01935608	0.0802605	0.3647449	-0.3647449
MIOX	0.07760572	0.1106229	0.06163646	0.09066303	-0.04097052	0.08012867	-0.06450748	0.06450748
REEP1	0.00277775	-0.1617452	0.1051105	0.03865501	-0.01226731	-0.03068853	0.2708426	-0.2708426
COPS4	-0.05707956	-0.01527578	0.1026433	0.0492868	0.00011261	0.02512704	-0.07968874	0.07968874
WRNIP1	-0.01799248	0.05763614	0.00527088	-0.02748248	0.0105687	0.01482793	-0.1791734	0.1791734
TMEM100	-0.05334402	-0.1744831	0.1134789	0.03472044	-0.00675189	-0.02219194	0.3541669	-0.3541669
CISD1	-0.03379749	0.02365391	-0.00303132	0.01840937	0.00995129	-0.03049415	-0.07226812	0.07226812
RNF212	-0.0188552	-0.02878734	0.01338098	0.04902179	0.04859774	0.08737228	0.03167921	-0.03167921
GRK5	-0.04850962	-0.1115651	0.06608507	0.04961352	0.02548823	0.09180826	0.07368008	-0.07368008
KHDC4	0.02113791	0.1038847	0.00555312	0.07464356	0.05806064	0.07476588	-0.162772	0.162772
ALG9	0.02641306	-0.05643586	0.1414728	0.04190228	-0.03745181	0.03564788	-0.01969752	0.01969752
BUB3	-0.1154144	0.1050125	0.03262612	-0.06424505	-0.06292303	0.0413873	-0.179521	0.179521
C5orf52	0.04286764	-0.01856069	-0.09651552	0.03355019	0.00153796	-0.00408393	0.00442557	-0.00442557
SNX14	0.00923271	0.04710799	0.1906265	0.1148995	0.00285695	0.09973642	-0.2542556	0.2542556
EMB	0.04497722	0.03657305	0.1355378	0.1160564	0.04707243	0.09500157	0.1069545	-0.1069545
MTRNR2L12	-0.01692614	-0.03780501	0.03598755	-0.00593892	0.06085986	0.04851749	-0.01217463	0.01217463
RBBP5	0.02900444	-0.00661979	0.1334851	0.04706491	0.03190182	0.07429082	-0.1388669	0.1388669
MTFP1	-0.03673774	0.04404206	-0.04223334	-0.0647623	0.0101182	0.05776011	-0.1138562	0.1138562
GPR34	0.02537694	-0.05824408	0.2229723	0.1277906	0.02802502	0.01440282	0.2489453	-0.2489453
ARRDC5	0.02328307	-0.1305478	0.09773811	0.0755682	0.0557476	0.02530732	0.2534499	-0.2534499
SF3B3	-0.02879086	0.08483452	0.03910452	-0.01060795	0.08053837	0.05090085	-0.2368901	0.2368901
FBXO41	0.00302491	0.1519944	0.06212168	0.04304031	0.07002357	0.0677291	-0.1426722	0.1426722
MMP1	0.04742128	0.09512437	-0.01329745	-0.04151097	0.08115675	-0.01112883	0.1084445	-0.1084445
SEZ6L2	0.04927731	0.04648663	-0.02076783	0.01991649	0.05329392	-0.00828478	-0.1061827	0.1061827
STRADB	-0.00099487	0.02272371	0.09272484	-0.00388776	-0.00125187	-0.01398072	-0.2398591	0.2398591
UBL5	-0.04642913	-0.01811124	0.03765481	-0.0505838	-0.03140859	0.04039074	-0.0053818	0.0053818
CBWD5	0.04681197	0.1520866	-0.03138129	-0.06578646	0.0044742	-0.03635166	-0.1437088	0.1437088
ZC3H12C	0.05843688	0.0874223	0.01044466	0.03296418	-0.045186	0.0410392	0.00591098	-0.00591098
NEMP2	0.01295937	0.1006336	0.1082995	0.1171426	-0.00409691	0.06938466	-0.1076174	0.1076174
ACTR2	-0.02285052	0.0234774	0.1980037	0.09343908	-0.00347803	0.09576815	-0.1293588	0.1293588
DHX16	0.02178368	0.06194375	0.07370532	0.00781294	0.02319566	0.09987188	-0.1288624	0.1288624
NKAP	-0.05495702	0.00560074	0.08946634	-0.03928333	0.02289716	0.04638916	0.04425998	-0.04425998
IFNAR1	0.07840827	0.01343103	0.1332933	0.03959645	0.04989559	0.03417606	0.02292451	-0.02292451
IPO4	0.0090076	0.03594572	0.06152436	0.02524115	0.05545357	0.1166841	-0.1969275	0.1969275
FBXO2	0.03454039	-0.04469174	-0.08217481	-0.0139378	-0.01955785	0.01674268	0.01450469	-0.01450469
SLC2A12	0.08432757	0.07950545	-0.08583011	-0.1157625	-0.01008947	-0.1102112	0.08161724	-0.08161724
RFTN2	0.06235505	-0.08481747	0.1640186	0.09003401	-0.0228541	0.0235002	0.4179884	-0.4179884
FOXS1	-0.00045687	-0.1449438	0.1048199	0.00741276	0.03604953	0.05842287	0.4576669	-0.4576669
MICB	-0.1261087	0.09475378	-0.00507888	-0.07683034	0.01646859	-0.00764123	-0.04491183	0.04491183
KLHL2	0.04825351	0.01032703	0.00769714	0.03969781	-0.03314744	-0.01681318	0.03597663	-0.03597663
RPS6KA1	-0.04193022	0.1410556	0.01431055	-0.02307428	0.028661	0.04429012	-0.2777988	0.2777988
PIPOX	0.01063649	-0.09888811	-0.02806922	0.03275388	0.03162647	-0.00161852	-0.07997839	0.07997839
ROBO1	0.08423992	-0.08465409	0.1376655	0.08628962	0.00759262	0.03427877	0.4155517	-0.4155517
APP	0.1140453	0.0398194	-0.03358194	-0.06084412	0.03120969	-0.08233357	0.09893455	-0.09893455
IFI30	-0.01320944	0.07927953	0.07340585	-0.06937055	-0.01548227	0.02502963	0.03083029	-0.03083029
RAB11FIP5	-0.03826867	-0.011075	0.1257649	0.05517664	0.02690863	0.06604448	0.222056	-0.222056
MRTFB	0.06635541	-0.03673356	0.1032888	0.07176806	0.07015674	0.03460774	0.1053409	-0.1053409
SAMD10	0.05274889	0.1296483	0.0185528	-0.02503538	0.01697563	0.04293912	-0.1455761	0.1455761
MAP1S	-0.02675206	0.04822603	0.03227242	-0.03228325	0.02566228	0.0693791	-0.00848936	0.00848936

LRRC4	0.05778963	-0.09614815	-0.06265818	-0.03435977	-0.01543206	-0.05213147	0.1464497	-0.1464497
HMCN2	-0.0211568	-0.00902381	0.02413685	-0.03704336	-0.04052779	-0.02281665	0.1521922	-0.1521922
CCDC142	0.04742157	-0.0082562	0.00363444	0.07837021	-0.0096081	0.08922979	-0.07311547	0.07311547
OXTR	-0.01043872	0.01608521	0.05626595	-0.1334987	0.01148896	-0.01125035	0.1533476	-0.1533476
COL9A2	0.01430963	0.1254637	-0.06639235	-0.05885032	-0.05283593	-0.02944074	-0.1189726	0.1189726
CNN2	-0.03929247	-0.0129254	0.09352951	-0.02850879	-0.04654297	0.04999011	0.2368077	-0.2368077
GATA4	-0.08385033	-0.0182784	-0.03484238	0.02884371	-0.01126009	0.03184543	-0.03871283	0.03871283
ANO5	-0.0563138	-0.07358315	0.1185547	0.09307552	0.05176173	0.03053441	0.1148554	-0.1148554
TMLHE	-0.05402175	0.01273811	0.05414498	-0.00795444	-0.01747523	0.01526459	-0.09572369	0.09572369
GIMAP4	-0.02640438	-0.08460786	0.2397581	0.08471581	0.04151422	0.0538661	0.3554283	-0.3554283
CCL22	-0.02664487	-0.02820403	0.09142818	-0.02441618	-0.03109036	0.08254835	0.06926772	-0.06926772
CKS1B	-0.0789293	0.06930859	-0.04615796	-0.01734527	-0.00555543	0.00071005	-0.2302244	0.2302244
SPICE1	0.1129387	0.06616904	0.1033348	0.0543162	-0.01212918	0.1435244	-0.161107	0.161107
SF3B4	-0.01120302	0.07425839	-0.05343241	0.0222493	0.04479688	0.03864999	-0.1031624	0.1031624
CARD11	0.03760009	-0.09770519	0.1253918	0.1263091	0.09344485	0.1791989	-0.01448905	0.01448905
SLC19A3	0.05162093	-0.07793637	0.07129734	0.07518034	0.02296271	0.06463046	-0.08401728	0.08401728
METTL2A	-0.00762596	0.07404343	0.05103144	-0.07771352	0.00898032	0.00142309	-0.08812422	0.08812422
FBF1	0.02292538	0.06146355	0.01384403	0.00498908	0.1255277	0.04603228	-0.1337036	0.1337036
CREB3L4	0.09171126	-0.02798891	-0.0765601	-0.01997428	0.04149707	-0.0433937	-0.118419	0.118419
C6orf52	-0.1367348	0.0505569	-0.0960826	-0.06843144	0.03378841	-0.08195834	-0.07198484	0.07198484
NOSIP	-0.08473383	0.00108626	-0.03791038	-0.02726539	-0.04422586	0.01991185	0.00291405	-0.00291405
SMAD9	0.08539694	-0.139952	0.01729891	0.02274002	-0.01587617	-0.054104	0.2217004	-0.2217004
CCDC58	-0.06308194	0.04101582	0.00019716	-0.05797545	-0.03183106	0.00203027	-0.2090983	0.2090983
SH3BP5L	0.02472472	-0.00846992	-0.03683399	-0.00559818	-0.00533997	0.01529418	-0.00891303	0.00891303
SAP25	0.03211799	0.09605032	0.03151357	0.02983684	0.02085919	0.100717	-0.05099075	0.05099075
COQ2	-0.07085726	0.1199007	-0.04950554	0.0094862	0.01779767	-0.03508537	-0.1779863	0.1779863
TBCA	-0.05868301	-0.05081271	0.0507787	0.01133444	-0.09960611	0.04977678	-0.03424232	0.03424232
NCOR1	-0.02459404	0.05181728	0.1927171	0.08770253	-0.01241546	0.09647797	-0.102598	0.102598
MEX3D	-0.01864036	0.05770956	-0.00221723	-0.05195256	0.08217837	-0.02697431	0.06439333	-0.06439333
KBTBD3	-0.01250831	-0.01269161	0.05320347	0.08475437	-0.02974029	-0.00690884	0.04819736	-0.04819736
LETM1	-0.04546812	0.08289738	0.0229715	0.03025562	-0.02924996	0.06836887	-0.2637693	0.2637693
KIF24	-0.03187918	0.09423089	-0.06756494	-0.05164142	0.02704702	0.06663464	-0.207389	0.207389
RIT1	-0.00265151	0.02370016	0.07732675	0.1006563	0.03666575	-0.02993829	0.01263005	-0.01263005
LYST	0.02198653	-0.0056265	0.1406404	0.05496398	-0.03106712	0.04548041	0.09989903	-0.09989903
DZIP3	0.08196363	-0.09243264	0.1314639	0.1606014	0.00907263	0.07736586	0.1194273	-0.1194273
OTUD5	0.03979989	-0.00890847	0.06473438	-0.01661715	-0.00011271	0.08503576	0.1120238	-0.1120238
SSTR5	-0.02506373	0.07198239	0.1579721	0.08253344	-0.04221695	0.08994353	-0.06133401	0.06133401
CDKL5	0.00366539	0.00387495	0.09900392	0.05101423	0.03190428	0.0678463	0.09651224	-0.09651224
TMEM19	0.06433952	-0.0621186	0.09921267	0.04093905	0.00648635	0.04810885	0.00168902	-0.00168902
TSC22D1	0.08278576	-0.08799509	0.02259205	-0.04169841	0.05457304	-0.01170976	0.1039231	-0.1039231
AZI2	-0.05147825	0.04730094	0.08039121	0.03240002	-0.024036	-0.01579577	0.07439102	-0.07439102
NR2F6	-0.00189016	0.04013204	-0.04081545	-0.01624833	-0.03968245	-0.00303025	-0.2147987	0.2147987
KRIT1	-0.03049744	0.02886865	0.04033795	0.06318303	-0.04762303	0.07971719	-0.02689495	0.02689495
RPL15	-0.1027659	-0.06997572	0.04272646	-0.00902892	-0.06119995	0.03485514	0.03926841	-0.03926841
PRADC1	-0.03253551	0.01366063	-0.1451957	-0.1341541	-0.05799618	-0.1014193	-0.07353733	0.07353733
AOAH	0.02979686	0.02785391	0.2110198	0.1147794	0.04211092	0.02271339	0.1921958	-0.1921958
JAKMIP1	0.02831711	0.03267019	0.1941688	0.00896486	-0.00977463	0.08708978	0.08436908	-0.08436908
SLC25A38	-0.08840898	0.05677995	0.0633307	-0.02283475	-0.05551716	0.06132406	-0.09516163	0.09516163
PTPN1	-0.00124819	0.04785793	0.08094961	0.08505538	0.02914733	0.1078848	0.01970071	-0.01970071
UBXN10	0.00674854	0.06804762	-0.05037331	-0.08626559	0.06074051	0.01912948	-0.04997147	0.04997147
ANGPTL8	0.1451448	-0.02235735	0.01290762	-0.01831038	0.01843599	-0.04968038	0.04842636	-0.04842636
GDI1	0.04415833	0.05446504	-0.06007808	-0.00096012	-0.04887139	-0.0180344	0.06509918	-0.06509918
ATXN1	0.08483064	-0.1317876	0.1373853	0.045043	-0.015412	0.04004571	0.3498982	-0.3498982
RNPEPL1	-0.02834266	0.03517512	-0.01040543	-0.00031983	-0.00274273	0.01122839	-0.07222372	0.07222372
PLCG2	-0.06824998	-0.01235459	0.03284237	0.01528074	0.00427464	0.05354603	-0.00615522	0.00615522
RPL36AL	-0.1599147	0.02779896	0.03217408	0.01906499	0.01303405	0.07380256	0.01118752	-0.01118752
BAP1	0.02320339	0.0706393	0.01315392	-0.03300261	0.02335176	-0.00273137	-0.06164872	0.06164872
SCAMP1	0.02083433	-0.04388085	0.1130697	0.07455608	-0.05588759	0.05530881	0.03056624	-0.03056624
DNAJB1	0.02294806	-0.06038089	-0.07532691	-0.08113592	-0.00172651	-0.00127446	-0.04932375	0.04932375
SUCNR1	0.07679322	-0.05701568	-0.01411915	-0.01934915	-0.01599452	-0.04661864	0.01344446	-0.01344446
UBXN7	-0.02550235	-0.06488452	0.1423651	0.08283765	-0.02652297	0.1087019	0.06491842	-0.06491842

PARP1	-0.09735566	0.00256617	0.0302127	-0.00893047	0.01921783	0.0566239	-0.1245917	0.1245917
C19orf12	1.66E-05	-0.06612155	-0.02775924	0.04279777	-0.0417563	0.02519889	0.0554948	-0.0554948
FAM71E1	-0.04958048	-0.04887742	-0.1533743	-0.1135238	-0.01471317	-0.1191463	-0.0217029	0.0217029
ACSS2	0.1038659	0.2198617	-0.0759857	-0.0296783	-0.00793961	-0.06524694	-0.3127155	0.3127155
GNB4	-0.07427109	-0.1048764	0.2552314	0.1081895	0.05135694	0.09124483	0.4267913	-0.4267913
PPP2CB	-0.07674831	0.06569203	0.01788244	-0.02704896	0.04322424	-0.08757977	0.04646649	-0.04646649
PPP1R3D	0.0037469	0.08206625	0.03029573	-0.01031863	0.03571661	0.07369624	-0.04550627	0.04550627
TUBG2	-0.00261059	-0.06102906	-0.00089447	0.04040397	0.06568327	-0.01756458	0.275242	-0.275242
OGFOD2	0.01744951	-0.03776312	-0.00386251	-0.02916062	-0.0727148	0.0256156	0.02005629	-0.02005629
HAS1	0.05449695	-0.00974725	-0.00889568	-0.04035591	-0.0049951	-0.03845086	0.2498746	-0.2498746
SLX4	0.04903489	-0.00582765	0.0514755	0.026576	0.0210107	0.09495933	-0.06625282	0.06625282
MSC	0.04433404	-0.09495989	0.08042532	0.02807619	-0.00391449	0.03082847	0.5576099	-0.5576099
GJC2	-0.05724306	-0.00883892	0.03881211	0.00630859	-0.01486079	-0.04323485	0.1328877	-0.1328877
MRPL55	0.00324397	-0.00612071	-0.036704	-0.04423752	0.02867873	-0.02627973	-0.03462322	0.03462322
GALNT18	0.00166961	-0.08255469	0.06278552	0.00558784	0.05135177	0.1040573	0.152413	-0.152413
TTC25	0.04578618	0.03493216	0.00903555	0.02756063	-0.01481506	0.04033726	-0.02012598	0.02012598
SIAH1	0.02069608	0.0464548	0.08928509	0.04614071	0.02661769	0.00530573	0.07924701	-0.07924701
MCRIP2	-0.01078124	0.0641465	-0.00413749	-0.05923214	-0.01977729	-0.01963966	-0.2477226	0.2477226
SGCE	-0.06915275	-0.1369716	0.02858007	0.03293826	0.00018547	-0.0476129	0.3993622	-0.3993622
WDR91	0.1100587	-0.03344788	0.02155454	0.01804523	0.00535069	-0.02441966	0.06916221	-0.06916221
ZNF2	0.02571145	0.01839159	0.01243384	-0.01962873	0.01759916	0.01317947	0.02672064	-0.02672064
CACNG4	0.02940176	-0.04801066	-0.00399293	0.00870175	-0.00494431	0.08400955	0.1654445	-0.1654445
FBXO27	-0.06905224	-0.06945586	-0.07441832	-0.02514171	-0.02536125	0.03646591	0.09155715	-0.09155715
WDR66	-0.04506982	-0.01457177	-0.06896484	-0.01940912	-0.01896826	0.00107016	0.07718515	-0.07718515
PPP2R2A	-0.06607151	0.08694173	-0.03605689	-0.04181966	-0.05095003	-0.05322255	-0.1794626	0.1794626
CYB561	0.04552796	0.103955	-0.05741949	-0.04500676	0.00299291	0.01379655	-0.1530784	0.1530784
MAGEF1	-0.03517065	0.04410825	-0.04909572	0.00077216	0.0263449	-0.03219075	-0.08025893	0.08025893
ACOX1	-0.03215787	-0.00745405	-0.01002758	0.07436034	0.00988478	0.05180039	-0.2192944	0.2192944
MRPL48	-0.02392824	0.1285409	0.02061452	0.02802696	-0.05715549	0.04476545	-0.1534043	0.1534043
ANO8	0.01650278	0.1243178	0.02652177	-0.04105502	0.0373829	0.0086583	-0.09517651	0.09517651
NAPB	0.06343249	0.04854808	0.1150143	0.05099215	-0.03490075	0.09410985	-0.08010521	0.08010521
VPS25	0.07685327	0.1043546	-0.06991762	-0.08406845	0.0531284	-0.03492534	-0.1359592	0.1359592
ENOX2	0.08334384	-0.00701135	0.1226522	0.04395696	0.03542243	0.09658523	-0.117875	0.117875
PAQR7	0.03373542	-0.1013255	-0.07439964	0.00700344	-0.00280707	0.01883394	0.174856	-0.174856
SPACA4	0.1373338	0.1286646	-0.014705	0.02435624	0.0045438	-0.04356183	-0.1828746	0.1828746
IP6K2	0.06108858	0.1080785	-0.06174463	-0.03580845	-0.01080936	-0.00122497	-0.2165079	0.2165079
C17orf67	-0.1093618	-0.06760395	0.106528	0.01179451	0.07330955	0.08144781	0.1930638	-0.1930638
HLA-DQA2	-0.08039403	-0.02138372	0.0653437	-0.01909877	-0.05445484	0.05719797	0.02082243	-0.02082243
CANX	0.05984461	0.05782358	0.06446722	0.1106794	-0.00848937	0.1012202	-0.1907213	0.1907213
RXFP4	0.112602	0.04434485	-0.02426155	-0.00567937	0.05159152	-0.02398587	-0.08341776	0.08341776
C20orf96	0.07492687	0.1498925	-0.03144897	0.00084891	0.02646708	-0.01397322	-0.1073496	0.1073496
NOC2L	-0.04266949	0.03846949	0.00013935	0.03017256	0.04318181	0.08659869	-0.2139377	0.2139377
RNASEL	-0.01364449	-0.04821489	0.08114876	0.1428221	0.05128205	0.04011059	0.04676931	-0.04676931
BRD8	0.03205671	0.04153785	0.05361284	0.1109286	-0.00077274	0.1108412	-0.0855152	0.0855152
TRAF3IP3	-0.03316235	-0.06998747	0.124382	0.06909042	0.06709444	0.06309263	0.1750379	-0.1750379
ZG16B	0.09468335	0.03675624	-0.0366047	-0.05067114	0.00567592	-0.03713158	-0.1005982	0.1005982
COG4	0.07967527	0.03529518	0.0184577	0.05213676	0.1061525	0.06989246	-0.1399507	0.1399507
SPDYE5	0.08251054	-0.06075679	0.05581823	0.03785847	0.05844672	0.00957995	0.1464761	-0.1464761
ID2	-0.05179028	0.00944087	0.08248731	-0.09674544	0.03634339	-0.03891196	0.04907891	-0.04907891
SIDT1	0.16678	0.05535919	0.03733483	0.02525872	0.09898515	0.05229553	-0.0728348	0.0728348
PCSK5	0.07267896	-0.04454773	0.01155863	0.089715	0.03394948	0.1098403	-0.0063743	0.0063743
IL6	0.05255891	0.06677982	-0.03953392	-0.01646182	0.03658095	-0.09245027	0.1581133	-0.1581133
CETP	0.08054907	-0.04309545	0.1064024	0.09187963	0.08006952	0.06377035	0.03077669	-0.03077669
CEP131	0.04101487	0.01381931	0.04069949	0.03919445	0.00293858	0.07256045	-0.0833902	0.0833902
EXOSC8	0.00365656	0.1422197	0.014397	-0.01660741	0.02216872	0.07256602	-0.2544708	0.2544708
KIAA0586	0.001946	-0.00263383	0.1494867	0.08881335	0.02239652	0.1166863	-0.1180995	0.1180995
CMC2	-0.1050572	0.1435854	0.0851738	-0.0272046	0.02812424	0.04225323	-0.2361924	0.2361924
SYDE1	-0.00201527	-0.1053504	0.1086379	0.03869457	0.01457879	0.01463364	0.6116971	-0.6116971
CCNB1	-0.1006607	0.1001345	0.02144493	0.04258216	-0.07020485	0.1067629	-0.2806093	0.2806093
TNFSF10	0.02836143	0.06403173	0.1040362	-0.02652776	0.04531122	-0.01059104	0.02757848	-0.02757848
CYB5R2	-0.1283484	0.07634616	-0.0064075	-0.03566041	-0.00312148	-0.04354886	-0.06178993	0.06178993

C1QB	-0.02975223	0.01421147	0.167709	0.05347455	-0.00046184	0.02092153	0.1799018	-0.1799018
ANKS4B	0.06156655	0.06869373	0.01212927	0.00141571	0.04157986	0.02155671	-0.2290544	0.2290544
KLHDC8B	-0.03972863	-0.1235983	0.01748137	-0.04129386	0.02061595	-0.01362818	0.2622623	-0.2622623
IRF1	-0.04059731	0.1320494	0.125568	-0.02988274	-0.00702169	0.0728175	-0.09515553	0.09515553
ZCCHC14	0.05794505	-0.03473121	0.1369261	0.07621321	0.04020232	0.03710397	0.00326753	-0.00326753
ILVBL	0.0653535	0.0323783	-0.0989866	-0.06560901	0.05274245	-0.06818355	-0.1628943	0.1628943
TBC1D2B	0.07074504	-0.03503045	0.1577449	0.08845467	0.02080704	0.09160704	0.2336545	-0.2336545
OTULIN	0.01050927	0.09874693	0.0720126	0.01627019	-0.00811931	0.06734992	-0.1177964	0.1177964
CST3	0.08546192	-0.02173843	0.02580715	0.04652155	-0.03597973	0.03293878	0.09947984	-0.09947984
CWF19L1	-0.0105525	0.00854483	0.09521321	0.0278711	0.0113271	0.08653544	-0.1053057	0.1053057
FAM160A1	0.1027336	0.04017602	-0.1379133	-0.08445276	0.01097822	-0.00454914	-0.2672734	0.2672734
KDEL3	-0.03171101	0.08877256	0.04819719	0.03216018	-0.024194	0.01832194	-0.06765355	0.06765355
FAM43A	0.0421381	0.03221456	-0.03312828	-0.1260382	-0.06019629	-0.1050109	0.02365799	-0.02365799
ITM2B	0.1041267	-0.1240621	0.06041014	0.07756404	0.03995773	0.02510707	0.1868016	-0.1868016
P2RY14	-0.01813355	-0.1418613	0.1272372	0.03712623	-0.00385501	0.00157004	0.316061	-0.316061
C8orf48	0.00245854	-0.1471875	0.1327735	0.04837179	0.02936967	0.0298245	0.4730934	-0.4730934
MFHAS1	0.00045667	-0.00183311	0.00826678	-0.07276431	-0.02675467	-0.06166049	0.03372286	-0.03372286
KIAA1958	0.00133649	0.00137257	0.04006606	-0.03916077	-0.02127361	-0.00017805	-0.1381999	0.1381999
POLR2C	0.03029611	0.04993575	-0.0167287	-0.02100432	0.08360158	-0.01462166	-0.05919566	0.05919566
MMRN1	-0.02402454	-0.01505848	0.1229991	0.03050199	-0.01313291	-0.08866596	0.2999133	-0.2999133
ZNF24	-0.04086641	0.0365632	0.1662053	0.1094635	-0.06132419	0.1446371	-0.1083444	0.1083444
LYSMD3	-0.03717471	0.05753989	0.204695	0.1260839	-0.01795092	0.1171935	-0.00659941	0.00659941
TIMM29	0.01108596	-0.02169426	0.07326299	-0.08323916	-0.00961816	0.02553779	-0.05230956	0.05230956
SLC1A5	0.06762974	0.01270526	-0.06498868	-0.0757293	-0.03604451	-0.02621935	-0.09285194	0.09285194
TXNRD1	0.04966737	0.03165073	-0.00712409	0.07949651	-0.01008373	0.05577096	-0.1287792	0.1287792
GSTT2B	-0.07363831	-0.05965571	-0.07016549	0.00736929	0.01219051	-0.04949516	0.1915102	-0.1915102
SAMD9	0.0193955	0.03688073	0.008881	-0.00315305	-0.04461709	0.02312033	-0.08182186	0.08182186
CIB2	-0.04571577	-0.03733478	0.01874272	-0.06453882	-0.0174927	0.00519981	-0.05231525	0.05231525
STK38	0.05920354	0.03991665	0.1313757	0.09504369	0.05652102	0.1194565	-0.1451164	0.1451164
IGFBP4	-0.01482181	-0.08954569	0.08253895	0.02313651	0.0970359	-0.05022987	0.4659061	-0.4659061
SH3RF3	0.01243312	-0.1060883	0.08283318	0.05384292	-0.01297787	0.0425506	0.4413706	-0.4413706
METTL7B	0.01378462	-0.00310253	-0.07353372	-0.02521778	-0.03278616	0.00401429	-0.09805973	0.09805973
RPL7A	-0.05536633	0.02888048	0.06787446	-0.03854976	-0.1063998	0.08953244	-0.05454944	0.05454944
ADORA2B	0.03226091	0.1023517	0.07605504	-0.06220404	0.00858971	0.00234454	-0.0385017	0.0385017
RNF14	0.00943358	-0.09169171	0.1425052	0.1155671	0.01461427	0.1236342	0.1096605	-0.1096605
CCL24	0.1021202	0.0047271	-0.05667751	-0.129352	-0.0461506	-0.1019725	0.0147883	-0.0147883
SHB	0.08005536	0.06121793	-0.06030893	-0.1002092	0.07773753	-0.03320321	-0.0225423	0.0225423
ZBTB3	0.01012517	-0.07132	0.07462277	0.04102145	0.08322788	0.07999977	0.1158098	-0.1158098
CD6	-0.05931568	-0.03154205	0.1511242	0.0433099	0.05461703	0.09283281	0.1804146	-0.1804146
NFIL3	-0.05032396	0.06875725	0.111965	0.00511214	0.07614827	-0.07365095	0.1440718	-0.1440718
ACP5	-0.01432162	-0.00870329	0.1377838	-0.04117869	0.00539926	0.05106694	0.0468336	-0.0468336
NEDD4L	-0.0008157	0.04671128	0.01284036	0.07847036	0.02054632	0.0462606	-0.1826859	0.1826859
MAEA	0.00901359	0.1365349	-0.1018346	-0.02300069	-0.0507673	-0.03346616	-0.1478648	0.1478648
SERINC3	0.1186412	0.06270911	0.1030443	0.09676095	0.02623914	0.1049931	-0.0524488	0.0524488
DDIT4	-0.04335633	-0.05589117	0.1034929	0.0402464	0.03384573	0.1148851	0.07470287	-0.07470287
TINF2	0.01512393	-0.01757326	0.0270203	0.00218577	0.00712373	0.05294793	0.2014683	-0.2014683
TNFRSF1A	0.00363709	0.05848147	0.05131581	0.01254827	0.00576772	0.03974822	0.1671534	-0.1671534
ITFG1	0.05134634	0.07016178	0.1512998	0.1073772	0.09596986	0.02428495	-0.05852278	0.05852278
CTNNA1	0.05060697	0.02052344	0.07916728	0.07339571	3.03E-05	0.1162382	-0.09798509	0.09798509
EXO5	-0.04057872	-0.02643446	-0.00507503	0.01566662	0.06744553	0.02513733	0.0327995	-0.0327995
HEBP2	-0.03640994	0.1101672	0.03738516	-0.05594877	-0.01961495	-0.06431544	-0.1567942	0.1567942
TAL1	0.07443312	-0.01249016	0.114435	0.00959705	-0.00558739	0.1109821	0.2071806	-0.2071806
LRRC20	0.06329909	0.010368	0.01990328	-0.06713332	-0.01790976	0.02067693	0.01254239	-0.01254239
N4BP2L2	0.08162226	0.063761	0.1507035	0.1140649	0.0492912	0.1158242	0.02709929	-0.02709929
NR4A2	-0.0232444	0.1189918	0.08125227	0.02924832	0.01902188	0.0136361	0.04719826	-0.04719826
CHGA	-0.06401062	0.01032752	-0.07629243	0.04629639	-0.0326968	-0.01115003	-0.02850111	0.02850111
FOXJ2	-0.02802724	-0.03982413	0.1530121	0.01592611	0.00653177	0.08407932	0.1484446	-0.1484446
REEP3	-0.09563753	0.00863383	0.1515669	0.107153	-0.00368693	0.07936723	0.1286744	-0.1286744
FAM47E	0.1275423	0.0899268	-0.0432269	-0.03372062	-0.02698383	-0.02463532	-0.1774218	0.1774218
NF2	-0.03821932	0.01645641	0.02759061	-0.06210964	0.0009589	0.04032336	-0.03318709	0.03318709
AGO1	0.02094896	0.00110294	0.03155776	0.06641156	0.04373237	0.0473887	-0.05351447	0.05351447

GJB1	0.1122985	0.038732	-0.1459204	-0.1481534	0.03598679	-0.1103277	-0.07693489	0.07693489
TMTC4	0.07543536	0.1044418	0.0849283	0.06735779	-0.00727277	0.02083992	-0.1674447	0.1674447
MMP24	-0.00385256	-0.01991485	-0.04775028	0.01124907	-0.03520107	0.01849292	0.1900446	-0.1900446
RHNO1	-0.09025703	-0.00350339	0.01920131	0.04051663	-0.02394224	0.07592063	0.0362649	-0.0362649
TMED10	-0.00388838	0.06157674	0.1308008	0.09457966	0.01376797	0.07265275	-0.1547681	0.1547681
AREG	-0.07140557	0.07317212	0.01510637	-0.05179579	-0.0117843	-0.02451991	0.0222866	-0.0222866
MT-ND6	-0.02370731	-0.06429908	-0.03665059	0.05033872	-0.00943676	-0.04438016	0.1425675	-0.1425675
ITPA	0.05934355	0.1274235	-0.0325898	-0.01490199	-0.00215385	-0.00476808	-0.1743001	0.1743001
ARAP1	0.107725	0.07164445	0.08260701	0.09053839	0.02910782	0.1066754	0.101176	-0.101176
UBAC1	-0.04560913	0.00872273	-0.00638075	-0.1060028	-0.04224073	0.0126827	-0.04797101	0.04797101
NUP37	-0.1012244	0.05918819	0.03585129	-0.02090991	-0.01406916	0.05896801	-0.2817	0.2817
ACTB	-0.1011548	-0.07019464	0.1943026	0.0166111	0.02543886	0.03350368	0.2411794	-0.2411794
MAP3K13	0.01252895	0.105472	0.06672633	-0.01581341	0.01464113	-0.06610798	-0.1238202	0.1238202
APOOL	0.01033437	-0.03057392	0.03360131	-0.00797206	-0.05116416	0.05896878	-0.06550833	0.06550833
MZF1	0.07303822	0.00392823	0.02234939	0.08401709	-0.01776212	0.0592817	-0.04074411	0.04074411
NUP153	-0.01141072	0.04722147	0.1069444	0.06267519	0.03410829	0.1127929	-0.1448401	0.1448401
CKAP5	-0.01964127	0.0555107	0.08454836	0.03264495	-0.02628322	0.1180134	-0.1903846	0.1903846
ZFYVE26	0.02160406	0.03827596	0.1301283	0.0306066	0.04600166	0.1083728	-0.01579828	0.01579828
FUNDC1	-0.2320192	0.04051474	0.08110188	-0.00102837	-0.01846588	0.03730255	-0.1224298	0.1224298
MIEF2	-0.00216507	0.07284204	-0.00090916	0.02830008	-0.0208371	-0.01273117	0.0335581	-0.0335581
FGD4	-0.05666175	-0.00495244	0.1005913	0.1002045	-0.01647934	0.06147694	-0.08851277	0.08851277
SLC30A4	0.1022607	0.03431808	0.03149403	0.00843608	0.05989241	-0.02810633	0.168089	-0.168089
B3GNTL1	0.09496718	0.05320533	-0.07390789	0.00666051	-0.02313792	-0.03532617	-0.02321125	0.02321125
NRGN	0.00865596	0.03388198	-0.03862147	-0.0481575	-0.03863455	0.05339525	-0.00145406	0.00145406
STK11IP	0.1202107	0.03157384	-0.02164876	0.00979436	0.01032363	0.06951963	-0.08155331	0.08155331
CAMK4	-0.01445106	-0.08533174	0.1928793	0.08385134	0.02308689	0.1179968	0.2467973	-0.2467973
ZNF599	-0.01760289	0.02068795	-0.03138284	-0.06623903	0.00086707	-0.04302834	0.07162584	-0.07162584
CD52	-0.0590493	-0.1445611	0.07032785	0.02544629	0.02313273	0.00399151	0.2253036	-0.2253036
TARS	-0.09106906	0.09053436	0.04507691	-0.04828995	-0.02304971	0.00677172	-0.07683322	0.07683322
PCP4L1	-0.04866089	-0.1391357	-0.07820242	-0.06051841	0.03428573	-0.08573571	0.153296	-0.153296
TIFA	-0.07130101	0.08228655	0.1065766	-0.01041278	-0.01591629	0.03978351	-0.1348508	0.1348508
CCDC122	0.06934148	-0.01826056	-0.01122238	0.00367846	0.02837855	-0.06896343	0.07258044	-0.07258044
ABHD10	-0.04441744	0.09918736	0.04270697	0.0338084	-0.08784171	0.06104168	-0.1898391	0.1898391
COL13A1	0.0871242	0.1131269	0.04958654	0.00400168	0.01438432	0.023759	0.1421734	-0.1421734
C10orf95	-0.01828972	0.02977915	0.03267516	0.00873818	-0.03448002	0.05024194	-0.034701	0.034701
PLA2G6	-0.00779249	0.09640052	-0.05013981	-0.01708082	0.00052129	0.01984494	-0.1404579	0.1404579
CENPS	0.02407626	0.07924894	-0.0448321	0.02929307	0.02377453	-0.02410505	-0.2390811	0.2390811
DRAM2	0.03766501	0.00109228	0.01906385	0.04526968	0.03805604	-0.00498138	0.02790211	-0.02790211
USO1	0.00584716	0.0699169	0.08712036	0.05164977	-0.06595108	0.07019653	-0.1327088	0.1327088
INAVA	0.04827525	0.109978	-0.003605	0.0613682	0.03632599	0.06310204	-0.2894232	0.2894232
HNRNPDL	0.05455656	0.08173099	0.08470797	0.03647216	0.02130421	0.04428221	-0.1021005	0.1021005
SSH3	0.0478256	0.124908	0.07227301	0.1025264	-0.00441438	0.07814517	-0.0949786	0.0949786
ERBB2	0.04997824	0.02361718	0.01223509	-0.02605702	0.1723166	0.04501525	-0.09651275	0.09651275
CADM4	-0.06188234	0.0499004	-0.05011968	-0.1038368	0.02143862	-0.08228309	0.06936266	-0.06936266
PRMT6	-0.04497781	-0.00919331	-0.02444954	0.0604776	0.03167099	0.01933816	-0.02292574	0.02292574
NUP62	-0.00840233	0.01451966	0.04873503	-0.0117641	0.0167854	0.06703446	-0.0356274	0.0356274
PRELID2	0.01995817	0.1482866	0.01693075	-0.06700036	0.0816277	-0.04435357	-0.2209594	0.2209594
LITAF	0.1137644	-0.04849343	0.1069226	0.04695002	0.0669665	0.07585333	0.2790092	-0.2790092
SLC25A16	0.06739548	-0.05741642	0.1310062	0.09597829	0.01863414	0.05618847	-0.02560362	0.02560362
UBE2V2	-0.01803638	0.07202016	0.02323237	0.02060871	-0.05604439	-0.06767016	-0.1514142	0.1514142
SLC25A33	0.00859002	0.07909886	-0.06950245	0.02223329	-0.00416013	-0.02637699	-0.2513204	0.2513204
C11orf94	0.01569746	-0.04970826	-0.06634208	0.02599659	0.09699742	0.05606076	-0.03418134	0.03418134
CYFIP1	0.02532818	0.04499797	0.1675083	0.06698275	0.00344061	0.09292151	-0.06734517	0.06734517
RAB29	0.08417848	-0.1330771	0.06794751	0.06886545	0.07913444	-0.00978269	0.08917716	-0.08917716
PPP3CA	-0.06375397	0.05792538	0.1150621	0.1264699	0.00687787	0.04583271	0.07884473	-0.07884473
CD320	-0.05133872	0.0398396	0.03850634	-0.04544923	-0.01446395	0.01468246	-0.1377537	0.1377537
SNX20	-0.02876394	-0.0354306	0.1666501	0.07970437	0.04718479	0.06296618	0.1977998	-0.1977998
ROCK2	-0.01296013	0.06778368	0.1664847	0.06834944	0.00684338	0.07890354	-0.1315937	0.1315937
TRPM5	0.06150371	0.065005	-0.08035484	-0.1134316	0.01828287	-0.06438476	-0.1580322	0.1580322
HK3	0.04940542	0.1014956	0.1634755	0.02662776	-0.04185273	0.02301704	0.08915374	-0.08915374
CDC42EP1	-0.01394996	0.1345124	-0.08402591	-0.1212062	0.03694333	-0.08859962	-0.1542629	0.1542629

IYD	0.1390312	0.06794283	0.06022792	0.1008791	0.03669971	0.03662366	-0.187987	0.187987
FAM118A	0.00517848	0.07800649	0.04151828	0.02986942	0.1032844	0.08292539	0.07423532	-0.07423532
CEBPD	-0.08489426	-0.04997395	0.0131432	0.01867295	0.02579486	-0.101452	0.2736555	-0.2736555
RABL2A	0.06865486	-0.07664557	0.1006285	0.02378145	-0.01969788	0.07199411	0.1211382	-0.1211382
SHISA8	-0.07960604	-0.00757236	0.00961792	0.00528163	-0.01678698	0.03810918	-0.00471681	0.00471681
TCAF2	0.0195312	0.05539931	0.05126891	0.09241083	0.0605302	0.09255458	-0.03231537	0.03231537
FCAMR	-0.07661068	0.04892409	-0.01500025	0.06781501	0.01729024	-0.02626503	-0.1099608	0.1099608
PEX26	-0.04072777	-0.05424835	0.1174939	-0.02887885	0.01549686	0.06567134	0.00712616	-0.00712616
CASD1	0.02883852	-0.0693472	0.1796296	0.1453193	-0.00323447	0.07836277	0.2091986	-0.2091986
GCH1	-0.03188361	0.1269102	0.04278378	0.02960051	-0.03537549	0.05043243	-0.1505323	0.1505323
DENND5B	-0.07916799	-0.02000934	0.06004041	0.1521865	0.07656149	0.09235713	0.00317986	-0.00317986
BBS2	0.00485081	-0.03406762	0.05856425	0.0128557	0.04021303	0.00098546	-0.00288664	0.00288664
GSDMB	0.06080449	0.1348205	-0.02791582	-0.02132822	-0.00392657	0.00077346	-0.1760728	0.1760728
FAM89A	-0.03447135	0.06879191	0.03241593	-0.05278614	0.08836129	0.02540976	0.01255885	-0.01255885
NCS1	-0.05831188	-0.1310557	0.08315772	0.00778548	0.00399239	-0.00338926	0.3840753	-0.3840753
IGSF9B	-0.0120062	-0.1721911	0.06858731	-0.01199444	-0.03228127	0.07411834	0.1052765	-0.1052765
SAMD14	0.07778648	-0.03397105	-0.02721131	0.07490302	0.02843673	0.0793782	0.2699465	-0.2699465
IRS2	-0.03665549	0.08831787	-0.01528488	0.0490678	-0.04283933	0.04707509	0.04138911	-0.04138911
ZNF417	0.05730976	0.03023513	0.06890493	0.04699731	0.03441116	0.04869435	0.00309756	-0.00309756
DRICH1	0.05322426	0.03307823	0.05832127	0.01354996	-0.00582779	0.02886132	-0.0943561	0.0943561
KIAA1841	0.08296629	0.06924374	0.08656257	-0.00031837	0.01089507	0.06480252	-0.1221758	0.1221758
TRIM41	0.0716949	0.02440248	0.05118436	0.03678541	0.04037861	0.1257265	-0.03014682	0.03014682
PPHLN1	-0.017457	0.08124817	0.1083545	0.1079265	0.04483708	0.1342781	-0.09738285	0.09738285
PDS5A	-0.05499678	0.06384181	0.1626807	0.02153037	-0.03281561	0.1057347	-0.2122053	0.2122053
ZNF214	-0.01810302	0.03135905	0.08802941	0.0454065	0.02568934	0.1238669	-0.0001327	0.0001327
MTPAP	-0.08064118	0.1427052	0.1304162	-0.00707519	0.02136726	0.06903054	-0.201019	0.201019
CTSF	-0.02481141	-0.1216073	-0.03106664	-0.0113264	-0.00588066	-0.0392958	0.2938752	-0.2938752
IRAK1	0.01637336	0.02324255	0.0051736	-0.0020629	0.02151706	0.02838781	-0.1200673	0.1200673
MR1	0.09120233	-0.08908624	0.1417247	0.08376903	0.07797505	0.08437417	0.1581922	-0.1581922
RNF169	-0.01443106	0.0058956	0.1023893	0.05998548	-0.04743061	0.09296278	0.02664199	-0.02664199
SERPINB6	-0.06184891	0.01684828	0.00146013	-0.05526285	0.05836227	-0.04655197	-0.1824672	0.1824672
DPAGT1	-0.01147857	0.08872081	-0.02137924	0.0282602	-0.06833079	0.03606301	-0.2215186	0.2215186
SLC13A3	0.07707913	-0.05405355	-0.02484593	-0.1106916	0.02334717	-0.04187519	-0.05540572	0.05540572
RWDD1	-0.1496531	-0.1041139	0.1554138	0.0279379	0.02342154	0.02228818	0.2130705	-0.2130705
NBPF9	0.04518725	0.04677419	0.04782504	0.0811252	0.06949195	0.1010495	0.02518373	-0.02518373
TMEM87B	0.04735075	0.1533244	0.1001884	0.05347054	-0.06868829	0.0198237	-0.2807691	0.2807691
TOPORS	-0.01949766	0.06477593	0.06863682	0.02750891	-0.02079268	0.1030218	-0.09739973	0.09739973
DAP	0.04974246	0.08320158	0.02769673	0.04584014	-0.00531822	0.01661851	-0.1135082	0.1135082
TMEM91	0.05780444	-0.1269911	0.05417649	0.0419067	0.03738205	-0.01781237	0.3581206	-0.3581206
TCEA1	0.0006208	0.07882307	0.1473836	0.01957609	-0.05632528	0.01413351	-0.1363693	0.1363693
ANAPC11	0.05147984	0.02906396	-0.06592896	0.00872227	-0.0341516	0.00240584	-0.03137734	0.03137734
ARHGDI4	0.00019745	0.0617027	-0.1264	-0.04108163	-0.02437091	-0.00208348	0.07776698	-0.07776698
CLEC16A	0.0459923	0.0637996	0.07956697	0.04195282	0.130561	0.09369341	-0.01910645	0.01910645
ACY3	-0.08276517	0.06281719	0.04314718	-0.01921491	-0.05376411	0.01154566	-0.09174652	0.09174652
CD44	0.07949701	-0.01489383	0.03676481	0.00285441	0.04692006	-0.06588321	0.01944791	-0.01944791
SEC14L1	0.08515718	0.02357017	0.09978434	0.09224617	0.02362084	0.09641154	0.08746748	-0.08746748
VGF	-0.079667	-0.00461299	-0.03623551	0.00287071	-0.00179912	0.02855701	0.04316193	-0.04316193
BANF1	-0.05827177	0.05974513	-0.03132384	-0.07284532	0.0053146	0.00380967	-0.03900292	0.03900292
ARID2	-0.00871647	0.01684331	0.1142476	0.0909579	-0.00010434	0.1345017	-0.05868467	0.05868467
AQP11	-0.03420346	0.01666806	0.05660664	0.0098344	-0.07765052	0.06204269	-0.2447232	0.2447232
SNX4	0.08191391	0.05875144	0.1123008	0.1030089	-0.03412684	0.09039501	-0.2351243	0.2351243
LRPPRC	0.00107064	0.07833019	0.1286135	0.03045757	0.0101313	0.09178767	-0.365065	0.365065
ITGB3	0.02523987	-0.02537618	0.08705426	0.00941325	0.07973617	-0.03566343	0.2643775	-0.2643775
RBM22	-0.02302607	0.0446511	0.01047304	0.05857333	-0.00416667	0.09332101	-0.0951455	0.0951455
FAAP20	-0.06461742	-0.03550856	-0.0757122	0.0011992	-0.01922584	0.00012659	0.1519905	-0.1519905
SPIN1	0.00264982	-0.03806902	0.1682813	0.07603101	0.00293669	0.0992171	0.1515484	-0.1515484
PUM2	0.06664343	0.05922219	0.1695445	0.1020909	0.01311238	0.1052509	-0.1459223	0.1459223
SUPT7L	0.0211597	0.0763795	0.0759718	0.1228078	0.05591837	0.09380949	-0.0996341	0.0996341
SH3KBP1	-0.143941	0.05868022	0.1365085	0.00526893	0.00420685	0.05204647	0.05965806	-0.05965806
TPGS2	-0.02390985	0.05340867	0.09603676	-0.02291896	-0.0120966	-0.00822848	-0.06914432	0.06914432
ADIPOR2	-0.03341616	0.00817639	0.03532739	0.1089938	-0.04355798	0.07967617	-0.01206591	0.01206591

ZBED4	-0.04357171	0.05936831	0.02049382	0.02056836	0.01813742	0.04642318	-0.1956897	0.1956897
CYP20A1	0.07748581	-0.1013249	0.1458638	0.05159693	0.01253705	0.06199534	0.1430358	-0.1430358
HIPK3	0.0453967	-0.1114685	0.2285887	0.1044351	-0.00907184	0.02938015	0.1745912	-0.1745912
BUB1B	-0.01397705	0.1028708	0.06567227	0.03819842	-0.0295873	0.08466711	-0.2840831	0.2840831
EIF4A2	-0.04020084	-0.0009081	0.1132353	0.1125706	-0.01296797	0.09035853	0.00792846	-0.00792846
CITED2	-0.02271701	-0.06753527	0.06341824	0.04309491	0.08971504	-0.00871779	0.2400096	-0.2400096
LMOD1	-0.05060028	-0.1579228	0.09815624	0.03256333	0.0140114	-0.031029	0.3585336	-0.3585336
RAB35	-0.04080499	0.00691588	-0.00333876	-0.03813315	0.00160391	0.02929779	0.04401368	-0.04401368
ADCY9	-0.07295196	-0.0706272	0.1401258	0.05221649	-0.01251898	0.07309768	0.2905498	-0.2905498
HOXC6	0.00461098	0.0029829	-0.02435685	-0.03119425	0.00633238	0.03196834	-0.03979962	0.03979962
TBX15	0.05400045	0.05161615	0.01762163	0.09914053	0.1334448	0.08777995	0.04463821	-0.04463821
KCTD3	0.02653181	0.02746632	0.0473321	-0.0085337	0.1129004	0.03334799	-0.2156896	0.2156896
FAAP100	0.09355517	0.03057324	-0.02764826	0.05218962	0.04054093	0.06664667	0.06245317	-0.06245317
LETM2	0.01311396	-0.126665	0.06337275	0.06506076	0.1197073	0.1054708	0.07347415	-0.07347415
MAN2B2	0.02748939	0.01622562	0.08232242	0.08563486	-0.02600847	0.07010914	0.08124987	-0.08124987
NDUFS4	-0.02204176	-0.04571225	0.08959479	0.08237813	-0.03145093	0.08947047	0.09064677	-0.09064677
ZNF641	0.05795478	-0.07530177	0.07622494	0.06354223	0.03567624	0.0937708	0.2132778	-0.2132778
FBRSL1	-0.02038103	0.0120328	0.02728285	-0.0402615	0.02363059	0.03505412	-0.08191991	0.08191991
MBD5	0.02477252	-0.05510126	0.09524702	0.07394508	0.01756129	0.01474009	0.1587601	-0.1587601
TBC1D25	0.07594901	0.0057773	0.04337044	-0.02607289	0.0283756	0.05774222	0.1558433	-0.1558433
MRPS31	-0.01812534	0.05373167	0.04411476	0.02912571	-0.03618029	0.1010496	-0.1862309	0.1862309
GFOD1	-0.01232508	-0.03577333	0.08034798	0.05664286	0.01300613	0.04172763	0.2672027	-0.2672027
POU2AF1	-0.07113357	-0.00677144	0.03543043	0.03404337	-0.01664987	0.07058831	-0.01754612	0.01754612
C2CD5	0.05131103	0.1013291	0.06630408	0.105591	-0.01677058	0.09064948	-0.1055643	0.1055643
AOC3	-0.06999614	-0.1474469	0.1340953	0.0502559	-0.01435871	0.01800941	0.4716621	-0.4716621
PLEKHN1	0.0064248	0.03852912	-0.07801642	-0.0285998	0.00416217	0.00931069	-0.08429191	0.08429191
RSKR	0.1275505	0.07870787	0.06145442	0.07654873	0.1580878	0.1024166	-0.1014991	0.1014991
TP73	-0.07117669	0.07491155	-0.07101093	-0.05613756	-0.04393679	0.00506801	-0.09214413	0.09214413
PUS10	0.07779143	0.07928717	0.1258496	0.1244036	0.01205948	0.08429652	-0.2329111	0.2329111
TTPAL	0.06573565	0.0049046	0.06070914	0.08368014	0.00569913	0.07821135	-0.1057156	0.1057156
ESD	-0.1570203	-0.00427288	0.08995413	0.04267373	0.04143542	0.03597584	0.05358526	-0.05358526
ARHGEF1	0.04429748	0.0424749	0.1163937	0.08242524	0.06222685	0.123297	0.07256937	-0.07256937
PSKH1	0.1044792	-0.05331893	0.01913014	0.03874007	0.07936566	0.01369713	0.1538191	-0.1538191
GLMP	0.00073153	-0.04000724	-0.02722757	-0.02489481	-0.00214069	-0.0449062	0.07327747	-0.07327747
FAM72C	-0.110823	0.04746235	0.0180439	-0.0379258	-0.01041259	-0.00871772	-0.1688859	0.1688859
LRRC61	0.08067343	0.07390247	-0.06174433	-0.1066214	0.05424679	-0.01002299	-0.04077375	0.04077375
PCOLCE2	-0.1280765	-0.1038545	0.08681243	0.1151074	0.03535084	0.07811515	0.2272255	-0.2272255
WDR75	-0.08146644	0.1323857	0.1114046	0.08837153	-0.01308047	0.10485	-0.2393335	0.2393335
TIE1	0.0260642	-0.02947276	0.1133128	0.0311021	0.04345182	0.0316056	0.4596899	-0.4596899
TREM2	-0.01401951	-0.04238285	0.1531831	0.0130434	0.02499482	-0.0071465	0.3220476	-0.3220476
WDR72	0.09794101	0.06898908	0.00418041	0.0624954	-0.04227672	0.02696603	-0.1302501	0.1302501
SAMM50	-0.07762487	0.01260544	-0.02225682	-0.0781929	0.02374106	-0.0402871	-0.1963489	0.1963489
FBXO44	0.00353009	-0.00327138	-0.0776035	-0.05059647	0.00794829	-0.01511104	0.03789162	-0.03789162
CENPL	-0.03395635	0.04988348	0.03783946	0.0164196	0.02891932	0.05394327	-0.2244042	0.2244042
NPSR1	0.02499656	0.04732716	0.00291627	-0.06133085	0.02005994	0.02414773	-0.05576116	0.05576116
TAGLN2	-0.08196713	0.00439027	-0.1165021	-0.02824886	-0.00583731	-0.03633131	-0.1193826	0.1193826
BCL2L1	0.1036025	0.08460406	0.01903217	-0.01382299	0.03241406	0.01499629	-0.08574812	0.08574812
VASN	0.07457474	-0.050792	-0.06121034	0.047771	-0.03354631	0.01660024	0.4039136	-0.4039136
TRAPPC6A	0.08021485	0.01257543	-0.07213034	-0.04437116	0.02605296	-0.03986218	-0.02967188	0.02967188
INPPL1	0.08313635	0.0382105	-0.00911606	0.02126285	-0.00408366	0.04292036	-0.04794636	0.04794636
FPR2	0.08328196	0.1087266	-0.04682757	-0.00514677	-0.03659505	-0.08001325	0.08879062	-0.08879062
NFKBIL1	-0.08477515	0.00928796	-0.08938086	-0.06619447	-0.03293065	-0.08702256	-0.02793909	0.02793909
TIGD6	0.06499727	-0.0047263	-0.04629924	0.06605963	0.00267054	-0.01032051	0.0082038	-0.0082038
HYI	-0.05099732	0.01091388	-0.1116724	0.05697314	-0.03002228	0.05120311	0.02447517	-0.02447517
THBS2	-0.01687918	-0.03522225	0.1594922	0.05701429	0.01224526	0.04881881	0.5899798	-0.5899798
ZNF397	0.02053944	0.01099382	0.1390389	0.111012	-0.00823894	0.1050895	0.02685886	-0.02685886
PLA2G15	0.05115603	0.052367	0.1079392	0.05893452	0.1078871	0.04226138	0.1474453	-0.1474453
UBA52	-0.05620899	0.01227562	-0.03960964	-0.0793526	-0.02118344	0.01919712	0.02684976	-0.02684976
SOD3	-0.04707293	-0.1176837	0.1566427	0.04917843	0.02001698	0.05662735	0.4921843	-0.4921843
WASHC5	0.00474227	0.07712261	0.07270923	0.04044112	-0.0312305	0.06052962	-0.08987597	0.08987597
TRIM6	0.03376782	-0.05726154	0.06465026	0.02990651	0.04633921	-0.00610867	0.2968799	-0.2968799

RINL	-0.04852708	0.05614521	0.0180383	0.03130355	-0.00782194	0.01919516	0.01652218	-0.01652218
LRRC23	0.06062742	0.00367368	-0.01339701	-0.01716919	-0.0120942	-0.00686588	0.1489068	-0.1489068
NCOR2	0.04426915	-0.04308456	0.1492117	0.02702036	0.03181647	0.1341305	0.1347353	-0.1347353
PPP4R1	-0.00029653	0.02925188	-0.02510538	0.07426999	-0.03358457	0.01551359	-0.1047214	0.1047214
CLEC1A	0.04324354	-0.07133237	0.1228901	0.03157702	0.03318354	-0.02699816	0.4278136	-0.4278136
TBX21	-0.02082009	0.02347883	0.1751538	0.0218864	0.02351883	0.07098005	0.1127119	-0.1127119
CMIP	0.0682765	-0.02118092	0.04656721	0.09064809	0.04418446	0.05423556	0.1137341	-0.1137341
C3orf62	0.0449004	-0.02668986	0.1217934	0.00665605	0.05936192	0.1012462	0.01621883	-0.01621883
SELENOT	-0.03839402	0.00479465	0.08374713	0.1031323	-0.04566491	0.07382299	-0.136278	0.136278
ENAH	0.01282241	-0.1850452	0.09425572	0.0293545	0.00885139	-0.01007961	0.300608	-0.300608
SLC7A6	0.06310165	0.02572766	0.02520593	-0.00816932	0.04231319	0.05232325	-0.07614698	0.07614698
CXCL13	-0.07265975	-0.09634262	0.04702588	0.01295731	-0.04642943	-0.00221262	0.1536705	-0.1536705
DIAPH2	0.04618095	0.05943064	0.1392624	0.01081271	-0.01559912	0.01152387	-0.01690154	0.01690154
SLC30A5	-0.00809689	0.05529642	0.08970757	0.1201762	-0.07048228	0.1538458	-0.127795	0.127795
FGFR2	-0.08520353	-0.02874073	0.08181955	0.03966164	-0.02799805	0.02270804	0.08270607	-0.08270607
KDM1B	-0.09317425	0.1294359	0.1351161	-0.00264654	0.06355107	0.06861902	-0.2420952	0.2420952
CD99	0.03909415	-0.1165362	0.03359854	0.04410082	0.01616729	0.00455359	0.360007	-0.360007
KIAA1211L	0.1068745	0.09609108	-0.07343462	-0.03338686	0.03411807	-0.01290017	-0.2044738	0.2044738
STARD8	0.07287736	-0.02845181	0.1483612	0.1195302	0.05549924	0.102196	0.3123391	-0.3123391
CFAP298	0.02969074	0.0540904	-0.01268601	-0.07378212	0.01908131	0.01082631	-0.2116447	0.2116447
TWIST2	0.03289855	-0.1148987	0.05197355	0.00977425	-0.02613322	-0.05348811	0.4623692	-0.4623692
NRIP1	0.08946957	0.00404338	0.1603	0.0739041	0.04756266	0.07939059	0.0055541	-0.0055541
IFFO1	0.00941674	-0.08098081	0.1798785	0.09406715	0.02093473	0.08118609	0.5016619	-0.5016619
CST7	0.04710617	0.04303411	0.1361694	-0.05179683	-0.0208911	-0.08169343	0.161956	-0.161956
ZNF853	0.0151667	-0.1165472	0.04519279	0.02291537	0.06276044	-0.01933215	0.3734318	-0.3734318
NELL2	-0.02042496	-0.02713172	0.07386801	0.04005426	0.05990832	0.1195095	0.09848127	-0.09848127
CERKL	0.01292985	-0.0113155	0.2151501	0.1464853	0.03935796	0.08740258	0.1796818	-0.1796818
KNSTRN	-0.07913644	0.08298403	0.03049662	-0.00700414	-0.04857949	0.05478487	-0.2691804	0.2691804
STIL	-0.00603527	0.1246802	0.0198924	-0.00811675	0.00946757	0.03504424	-0.3023909	0.3023909
FHOD3	0.00768925	-0.1183726	0.05205275	-0.01615676	0.06524607	0.01223305	0.3189216	-0.3189216
PHF13	0.02010767	-0.01678277	0.08572851	0.00746345	0.03470378	0.03278678	0.04267301	-0.04267301
DNAJA4	-0.02594675	0.04390048	-0.02594522	0.00360828	-0.01938262	0.0368472	-0.05689818	0.05689818
RPL39L	0.02826459	-0.0562879	-0.1080078	-0.05220115	0.05682167	-0.03093859	0.01388178	-0.01388178
CDK11B	0.01314235	0.08303169	0.06105273	0.00680474	0.114831	0.01854334	-0.07529071	0.07529071
NSUN3	-0.04797875	0.08892309	0.1282434	0.07170719	-0.07100092	0.07457275	-0.1044419	0.1044419
FN3K	0.00828322	0.0405141	-0.1305708	-0.05942119	-0.00713289	-0.04259117	-0.09945183	0.09945183
ZHX1-C8orf7	0.07722035	0.1294204	0.04638267	0.09243664	0.02290678	0.06351402	-0.06299981	0.06299981
SPINT1	0.1192061	0.1098249	-0.08490058	-0.04371645	0.00250974	0.0183737	-0.2275339	0.2275339
TAPBP	0.01575098	0.1059763	0.1920808	0.04939542	0.04235302	0.1303873	0.04535143	-0.04535143
UBE2D3	-0.07931334	0.03141154	0.1057869	0.04356118	0.00179099	0.0467023	-0.09874369	0.09874369
KAT8	0.08278529	0.01166581	0.02423057	0.04550882	0.1528958	0.04110972	0.04853412	-0.04853412
HIST2H2BF	-0.04401707	-0.00472678	-0.05647126	-0.03256868	-0.0701804	-0.0113292	0.00749437	-0.00749437
SPDYE6	0.1039429	-0.04173939	0.0411204	0.1050037	0.05426358	0.03607312	0.02864206	-0.02864206
FARP1	0.1101004	-0.06770465	0.04627368	0.06098336	-0.01930709	0.01348138	0.1413127	-0.1413127
CCDC77	-0.09627892	0.02342397	0.0467777	0.04012119	-0.04465607	0.07820801	-0.06594968	0.06594968
FAM102A	0.05443374	-0.04231156	-0.03874131	-0.07672014	-0.01269368	0.01625137	-0.0354573	0.0354573
PDCD5	-0.0667531	0.03185173	0.0206916	-0.00811942	-0.01127395	0.02918763	-0.04023421	0.04023421
CYSRT1	0.04561591	-0.01461119	-0.1685261	-0.05629493	-0.03563571	-0.06100453	-0.08056893	0.08056893
TM4SF1	-0.05096353	0.03509571	-0.00902688	0.07068378	0.04661525	-0.00291771	-0.03239665	0.03239665
RABL3	0.01401563	0.06412615	0.1015532	0.04848338	-0.0316046	0.09284221	-0.1250659	0.1250659
WNK2	0.07622377	0.06877448	-0.04036358	-0.07477412	-0.01328422	-0.08510241	-0.06988656	0.06988656
SGTB	-0.0075068	-0.06529748	0.2349488	0.05969874	0.02976583	0.08057789	0.3067054	-0.3067054
LMTK2	0.09424408	-0.01527975	0.08076098	0.01210012	-0.02362628	0.05655709	-0.1156896	0.1156896
APOL2	-0.04154498	0.0576484	0.08909686	-0.03254858	0.0079446	0.04929782	0.093902	-0.093902
ORA11	0.02283362	-0.170071	-0.00476433	-0.03904561	0.04559127	0.06375146	0.09498	-0.09498
SESTD1	0.04605499	0.0223574	0.2353757	0.09775283	0.04480793	0.06639207	0.1347111	-0.1347111
MAPT	-0.03478156	-0.1124341	0.0666545	-0.03280052	-0.02377976	0.02146324	0.2327051	-0.2327051
NAB2	-0.05723298	-0.08173493	0.07440663	0.01578452	-0.00585155	0.09875806	0.2171212	-0.2171212
CD226	0.02087051	-0.1618608	0.07534689	0.04975158	0.00505385	0.05620456	0.0112152	-0.0112152
ABCC4	0.11176	-0.0591089	0.0969341	0.03855704	0.03012312	0.04105473	-0.02185839	0.02185839
TMEM251	-0.06669103	-0.00020001	0.01517945	-0.05131462	0.03435158	-0.01162831	-0.1491378	0.1491378

NDOR1	-0.01782749	0.06139874	-0.00067736	-0.03611367	-0.01511461	0.08364867	-0.1359925	0.1359925
LGI2	0.00698219	-0.1517667	0.1380208	0.07435978	0.03770138	-0.06904477	0.3753173	-0.3753173
SRSF2	0.00433881	0.1444299	0.03584057	0.04935388	0.05405594	0.05249516	-0.2696413	0.2696413
CORO1C	-0.04151389	-0.08430083	0.1664595	0.05120464	0.06545199	0.0004463	0.2315466	-0.2315466
GLP2R	-0.0121348	-0.2120422	0.1483239	0.07800373	0.07338856	0.01490772	0.3707684	-0.3707684
PSMD4	0.00269127	0.04028691	-0.01223174	-0.01740977	0.04313112	-0.00277715	-0.03987255	0.03987255
MME	-0.01328961	0.02455187	-0.1033582	-0.05101088	-0.03213153	-0.1016081	0.04911114	-0.04911114
NFE2L1	0.0288624	0.03561019	0.05357947	0.01109788	0.08721453	0.0652657	0.1324931	-0.1324931
CATSPERB	-0.01889102	0.04223294	-0.07251953	0.03272845	-0.03903527	0.03911297	-0.2399887	0.2399887
TSC22D4	0.05660108	0.00203939	-0.05206841	-0.03407459	-0.01048208	-0.02708768	-0.00609566	0.00609566
CSF2RB	-0.01779589	-0.03047914	0.1092699	0.06431135	0.027787	0.06280691	0.2152062	-0.2152062
FDPS	-0.04133438	0.07321836	0.05232064	0.00799011	0.1281817	0.023075	-0.1929065	0.1929065
FZD7	0.00996479	-0.1110544	0.1007856	0.06958781	0.06836479	0.06159704	0.2327657	-0.2327657
SLC35C2	0.1654183	0.00994744	-0.00914165	0.00684348	-0.02583063	0.0232868	-0.145481	0.145481
TNFRSF9	-0.04379253	0.02946972	0.1301099	0.03779985	-0.0122134	0.06935551	0.1583614	-0.1583614
ST6GALNAC1	-0.00723495	0.1106862	-0.1206523	-0.05167838	0.01332081	-0.06660804	-0.2204188	0.2204188
AIG1	0.04822903	-0.07432319	-0.01319815	-0.02371803	0.00113226	0.03506934	-0.05250915	0.05250915
CHMP3	0.1719874	0.00264224	0.08025258	0.1007782	0.00033204	-0.02051188	0.04596069	-0.04596069
CNTROB	0.02769558	0.1037187	0.02120274	0.01056291	0.00681047	0.02528259	-0.07089503	0.07089503
USP22	0.02783682	-0.01058288	0.07554435	0.0293961	-0.00422706	0.04502589	0.04233731	-0.04233731
CPED1	-0.03308312	-0.1545731	0.1236183	0.04098665	-0.01827285	-0.01116028	0.3518011	-0.3518011
TPSAB1	0.1378765	-0.2053816	0.07149738	0.09374947	-0.02377322	-0.02241365	0.2421842	-0.2421842
PRSS1	-0.03116379	0.09720549	-0.08241025	0.05800238	-0.04843979	-0.1301537	-0.09380851	0.09380851
PYCR1	0.04430898	0.1548242	-0.121532	-0.09165506	-0.02914677	-0.08110385	-0.218107	0.218107
POLE3	-0.02771563	0.04668074	0.05930214	-0.0230224	-0.01069261	0.02909001	-0.2003473	0.2003473
VEZF1	0.05349897	-0.03808045	0.07056941	0.01877833	0.0094886	-0.00025337	0.142006	-0.142006
CCL15	0.04633701	0.08769869	0.06187457	-0.06339641	0.01301639	0.01749226	-0.09100647	0.09100647
TRIM66	0.08777768	0.07195981	0.06896586	0.06139116	0.04944596	0.1245123	-0.08331518	0.08331518
LSM6	-0.03252969	0.04345392	0.01853904	0.03130275	-0.01445802	0.082073	-0.1519554	0.1519554
MTRF2	-0.0776664	0.16154	-0.01811039	-0.03243999	0.00498371	0.03314144	-0.3005675	0.3005675
CTU2	-0.09005584	0.03732505	0.08889008	-0.01820198	0.03653331	0.03814592	-0.0609478	0.0609478
TCF7	0.04117432	-0.1842111	0.02921606	-0.00015573	-0.00392005	0.0338975	0.01774874	-0.01774874
SELP	0.0373246	-0.1000217	0.08186764	0.03740131	0.03320882	0.01362642	0.3805946	-0.3805946
EVI5	0.0461693	0.0135012	0.1746769	0.1188536	-0.00522163	0.1109988	-0.00408158	0.00408158
CDC23	0.02543137	0.02863283	0.07893788	0.1124684	0.0193872	0.1115842	-0.1578015	0.1578015
ZNF28	-0.02207725	0.05541585	0.1003289	0.04575999	0.03021266	0.1066434	-0.1761452	0.1761452
NOX4	0.01869027	-0.05201689	0.1917517	0.02461005	0.02071569	0.06181704	0.600161	-0.600161
OCIAD2	0.04018258	0.04033159	0.01890082	-0.0220247	-0.02489744	0.00094198	-0.07002372	0.07002372
EXOC1	0.01212706	0.1102666	0.09513708	0.04871723	-0.02145217	0.09959262	-0.1835092	0.1835092
UBXN2A	-0.00554296	-0.00940082	0.07906955	0.01020971	-0.02611418	0.00844759	0.04978312	-0.04978312
SYP	-0.00961529	-0.07266604	-0.06690246	0.00468379	-0.03220337	0.003391	0.08114625	-0.08114625
DUOXA1	0.02694519	-0.01950817	-0.2177017	-0.06141141	-0.0122404	-0.0805704	-0.1427773	0.1427773
CTR9	-0.00261314	-0.00500687	0.1375501	0.05320499	-0.05790425	0.1466384	-0.1493012	0.1493012
EDEM3	-0.04800658	0.00514182	0.03802954	0.09172274	-0.03871787	0.03634131	-0.2938748	0.2938748
MROH8	0.00281226	-0.1146899	0.06207673	-0.06638551	0.05060156	-0.05103512	0.1576266	-0.1576266
EFCAB2	0.1470421	-0.03369911	0.04752409	0.06337998	-0.0078906	0.06534747	0.1747807	-0.1747807
BOLA1	-0.08375662	0.04071698	-0.09999815	-0.1534928	0.00584633	-0.1548584	-0.05678288	0.05678288
RPS27A	0.00417287	-0.00932015	0.06290883	0.06629921	-0.05966392	0.07893374	-0.06472761	0.06472761
MCEE	-0.01760476	0.1582118	0.03254199	0.08996465	-0.06621779	-0.00713835	-0.1392181	0.1392181
ITK	-0.08317183	-0.01941969	0.1581021	0.04990399	0.03372207	0.101949	0.09354683	-0.09354683
ZNF699	-0.04845977	-0.1001632	0.1641232	-0.03529116	-0.00911053	0.0743831	0.00729647	-0.00729647
MRPL52	-0.05300461	0.02223999	-0.07292021	-0.05310905	-0.01841362	0.05457545	-0.1089326	0.1089326
CCT4	-0.1074318	0.05683363	0.1062457	0.03688876	-0.03467026	0.1080765	-0.2472367	0.2472367
TPST1	0.00660382	-0.07451885	0.02068366	0.08310839	-0.03356613	0.00388458	0.2863449	-0.2863449
RGS18	0.04565342	0.00998912	0.2299495	0.1200686	-0.00909475	-0.04730194	0.1453131	-0.1453131
EIF4B	-0.07143478	-0.03960294	0.1562568	0.08088357	-0.00797701	0.128224	-0.051125	0.051125
ENSA	0.05451162	0.05892341	-0.1319324	-0.05067451	-0.03667198	-0.1134742	-0.0173815	0.0173815
SDHAF1	-0.08289375	0.02849457	-0.087324	-0.09656495	0.01221843	-0.05511792	-0.03022409	0.03022409
IPO7	-0.00635395	-0.05959335	0.1003586	0.00973245	0.0222267	0.07996464	-0.0430936	0.0430936
TNFRSF11A	-0.03696061	0.1583302	-0.00234556	0.00190428	0.06528906	-0.02152298	-0.2378423	0.2378423
FAM83G	-0.00853221	0.1395775	-0.1080407	-0.06448005	-0.03877725	-0.0438786	-0.2304319	0.2304319

OSBPL11	-0.02917297	0.00676245	0.1884409	0.0850043	-0.0162347	0.07342582	-0.06113606	0.06113606
NELFB	-0.02538296	0.08728971	-0.01984148	-0.07314737	0.00720343	0.0269851	-0.07137796	0.07137796
LTA4H	0.01297678	-0.04430882	0.04613151	-0.02198966	-0.03837371	0.02516315	-0.09609571	0.09609571
DNASE1	-0.00863441	0.07785507	-0.04170189	0.00668703	0.02192377	-0.00407121	-0.1611629	0.1611629
CYTH4	-0.03623302	-0.00926916	0.1359891	0.08365142	0.02911119	0.07662461	0.2399626	-0.2399626
PJA1	-0.00627847	-0.0242106	0.05783973	0.0147701	0.05702494	0.06440816	0.09292822	-0.09292822
ZNF234	-0.05928742	-0.1131926	0.0899341	-0.04940458	-0.01065495	0.04913151	-0.02598857	0.02598857
SMIM13	-0.03319441	0.06239998	0.05795225	-0.01096357	-0.015756	0.00252983	0.02623801	-0.02623801
PAN3	0.02890678	0.1292108	0.107191	0.05522309	0.0106078	0.132845	-0.1211189	0.1211189
EPHB6	0.04361239	0.04721538	-0.04835538	-0.04936657	0.04665463	-0.02069925	0.02420159	-0.02420159
SIK3	-0.0275435	-0.08807915	0.08885177	0.0731812	-0.02232535	0.04861755	0.1741246	-0.1741246
SLC7A8	0.07367745	-0.1794973	0.01076924	0.03131264	0.02941733	0.08174035	-0.1226603	0.1226603
MAP3K6	-0.05660709	0.001222	0.01499088	0.00424844	0.07035303	0.02925442	0.1168686	-0.1168686
POP7	-0.04337548	0.05345586	-0.03053691	-0.1147502	-0.05046836	-0.05009351	-0.08152702	0.08152702
CEP83	0.03107652	0.0659425	0.1452717	0.03986536	-0.0011902	0.1089903	-0.1940864	0.1940864
NIPBL	0.02493564	0.04998709	0.09736177	0.01605966	-0.00516437	0.1005575	-0.05533851	0.05533851
SOGA1	-0.00382281	-0.05296449	0.03531819	0.00041207	-0.03519703	0.02131332	0.2328613	-0.2328613
SEPTIN3	-0.01878196	0.01690768	0.00188623	-0.00352002	-0.03015815	0.07053509	0.06906917	-0.06906917
ACER2	0.0369589	0.03226927	-0.08261562	0.0457272	-0.04846829	0.00825455	-0.240854	0.240854
TNN	-0.04215224	-0.2091042	0.08930032	0.09550879	0.01361641	0.05829462	0.3268382	-0.3268382
SGK3	-0.06230198	0.02158305	0.06776002	-0.03053671	-0.09033662	-0.03679589	-0.154669	0.154669
SOCS5	0.05260057	-0.1360322	0.1724523	0.1370949	0.05059156	0.03070592	0.3362061	-0.3362061
MYO6	0.09330033	0.1180861	0.09372969	0.08563649	0.00304063	0.09942767	-0.3123382	0.3123382
DSTYK	0.05132313	-0.1466791	0.1521074	0.08345462	0.05361825	0.05193906	0.2181413	-0.2181413
TAC4	0.06888613	-0.00798897	0.08532333	0.05027761	-0.00929344	-0.02429725	0.04305033	-0.04305033
COX14	-0.0444664	-0.04766841	0.02569331	0.02025506	-0.04082205	0.02577393	-0.05409638	0.05409638
BIRC2	-0.06701187	0.0627784	0.1299881	0.0551839	-0.04196459	0.09281124	-0.06085758	0.06085758
UPF3A	0.07318966	0.06978381	0.06280921	0.03526294	-0.01499868	0.0485573	-0.06100717	0.06100717
SLC45A3	0.0100255	0.04116394	0.02432544	0.08840399	0.01786539	0.06178451	-0.139229	0.139229
FAM3A	0.07031443	0.08439747	-0.1616701	-0.09281499	0.02036233	-0.09750682	-0.0902915	0.0902915
PARP2	-0.06150023	0.1297227	0.08553449	0.01531046	0.06088616	0.09799709	-0.2207593	0.2207593
ZNRF2	0.00144514	0.06333295	-0.0192321	0.03316079	-0.00151932	-0.04472287	-0.2342829	0.2342829
CCDC96	-0.00597508	-0.04998133	-0.05523314	-0.00734069	-0.01905516	0.00297582	0.03713939	-0.03713939
MMEL1	0.02424921	0.07699317	-0.07992299	-0.04444291	-0.07922752	-0.03838055	-0.1650414	0.1650414
IQCB1	0.06219335	0.1438889	0.1002861	0.00452623	-0.01214034	0.0480054	-0.2326363	0.2326363
HIST1H4K	-0.04620144	-0.05262867	-0.0090884	0.04112619	0.01998778	0.05115446	-0.04572198	0.04572198
FBXW9	0.03823829	0.0322196	-0.05130737	-0.02826744	0.0460455	0.0272306	-0.06575063	0.06575063
PRNP	-0.03258032	-0.1367655	0.08170597	0.03064857	0.0142618	-0.04844025	0.3662136	-0.3662136
ZNF329	-0.01398282	-0.075492	0.07068462	-0.05292879	-0.00874347	-0.02692924	0.09780492	-0.09780492
PLEC	0.00179391	0.02304413	0.04093062	0.08429303	0.00584755	0.09507573	0.01639932	-0.01639932
DDX52	-0.01222524	0.05631407	0.04219553	0.04820128	0.09924762	0.08230594	-0.196533	0.196533
FICD	0.01555627	-0.0208895	0.02105472	0.00754846	0.00023619	0.07120273	0.108072	-0.108072
ZNF180	-0.08502183	-0.08968352	0.07468878	-0.03290618	-0.01235874	0.05106781	-0.0881137	0.0881137
MXD1	0.00638723	0.1226129	-0.00899103	-0.09434023	-0.00415856	-0.02687543	-0.1651364	0.1651364
STUB1	-0.0355577	-0.03169329	-0.0010966	-0.05983604	0.00757728	-0.02981946	0.08386907	-0.08386907
ZSCAN2	0.00923675	-0.05444823	-0.00113816	-0.00084469	-0.00756007	-0.00104955	0.0692517	-0.0692517
EFR3B	0.03122232	-0.06704294	-0.0140473	0.0719328	0.0326899	0.03073481	0.03079048	-0.03079048
ZNF766	0.01054555	0.0322313	0.1518244	0.04086281	0.05335507	0.05442925	0.06977659	-0.06977659
FOXF1	-0.00596387	-0.1469824	0.1389647	0.03212832	-0.01220054	0.01418618	0.4415415	-0.4415415
H2AFV	0.00536949	-0.0208847	0.1734724	0.08681471	-0.01445966	0.08944338	-0.04886506	0.04886506
RBM18	-0.00513354	0.05480008	0.09406541	0.01303359	0.00061808	0.04989867	0.00103693	-0.00103693
KIF16B	0.07251064	0.172731	0.05465348	-0.06231389	0.00898783	-0.01561936	-0.1897609	0.1897609
ATPAF2	-0.05949389	0.07404292	-0.01290986	-0.05517186	-0.03352674	-0.04253282	-0.04769756	0.04769756
ELOVL6	-0.0167583	0.08634727	-0.01834509	0.09065439	-0.02519215	0.06299676	-0.3017233	0.3017233
DUSP19	0.00862186	-0.2049332	0.1473818	0.02360172	-0.01239739	0.01025298	0.114406	-0.114406
CABIN1	0.0677667	-0.02358802	0.05745653	-0.0317635	0.01456885	0.06156994	-0.04652842	0.04652842
TIMP1	0.05036756	-0.114869	0.05383883	-0.03612566	-0.00890674	-0.01318699	0.5149208	-0.5149208
CNDP2	-0.03174935	0.1914962	0.08291916	-0.05611113	0.05210547	-0.0481454	-0.2256375	0.2256375
IL15RA	-0.00079328	0.1362086	0.1194545	-0.0168818	0.0315817	0.06710539	0.06107305	-0.06107305
ELAVL1	-0.03048841	0.01270992	0.1046547	-0.03713344	0.0306927	0.05008768	-0.05969143	0.05969143
RBAK	0.06543696	0.05725748	0.1606592	0.04060578	0.01029399	0.1186463	-0.1526677	0.1526677

ARHGAP21	0.0137407	0.06313454	0.1243224	0.07599061	0.0264899	0.1069472	-0.1042385	0.1042385
DDX47	0.02190425	0.1365835	0.09791599	0.06732725	-0.02911825	0.08490121	-0.1187873	0.1187873
POMZP3	-0.0187495	0.02052767	-0.07826046	-0.04436914	-0.0305889	-0.07293001	0.03343442	-0.03343442
SDS	0.04263434	-0.01276824	0.09411391	0.0336826	0.02669758	0.01774508	0.2326099	-0.2326099
CYP4F2	0.08601888	-0.03023759	0.02639471	0.03730442	-0.02791056	0.01540225	-0.1006446	0.1006446
PPP6R1	-0.06056979	0.05135822	-0.06209781	-0.01439251	0.01591817	0.00222026	-0.09947367	0.09947367
BATF3	-0.03630983	0.04203238	0.07109937	-0.00287149	0.03426807	0.05120535	0.186014	-0.186014
PINX1	-0.0648168	-0.01802599	-0.01502578	-0.05890495	0.00301725	0.01343728	-0.01934538	0.01934538
MATR3	0.05094865	0.0039724	0.1302917	0.1029763	0.02987923	0.1096639	-0.04246047	0.04246047

p.GS.Gender	p.GS.Age	p.GS.T	p.GS.N	p.GS.M	p.GS.Stage	p.GS.Cluster1	p.GS.Cluster2	Module
0.97264874	0.23787329	0.2062926	0.0758002	0.71987758	0.20596327	0.29871214	0.29871214	grey
0.17496308	0.29987867	0.00052449	0.8680874	0.607572	0.0941197	0.27916968	0.27916968	blue
0.39906518	0.1957093	0.73069007	0.7478615	0.42045232	0.18560641	0.50274958	0.50274958	turquoise
0.17470324	0.6694026	0.52579237	0.4314386	0.81128829	0.47185532	0.71133022	0.71133022	grey
0.7217677	0.61030359	0.02608186	0.3325256	0.93436255	0.37588969	0.48050001	0.48050001	turquoise
0.93479414	0.95364775	0.65203424	0.4261048	0.33467336	0.406433	0.99941908	0.99941908	purple
0.71166761	0.0577699	0.09994818	0.4369111	0.81302471	0.97747308	4.71E-05	4.71E-05	grey
0.27468172	0.97462659	0.65499947	0.8181137	0.60189453	0.57459548	0.1055157	0.1055157	blue
0.18045539	0.91936932	0.03214371	0.3271547	0.19384823	0.18377341	0.98878774	0.98878774	turquoise
0.69779568	0.87325817	0.83904383	0.1938658	0.49813473	0.50191977	0.00405936	0.00405936	grey
0.75023195	0.50567314	0.12821544	0.8163487	0.90492479	0.15961342	0.15633232	0.15633232	orange
0.36379881	0.82425274	0.17550109	0.1078664	0.35739075	0.34531371	0.00059701	0.00059701	turquoise
0.84170612	0.13317643	0.2183334	0.0131523	0.74865328	0.20973008	0.94471941	0.94471941	blue
0.13116922	0.8041535	0.03872475	0.0907289	0.06566421	0.02607407	0.00542608	0.00542608	turquoise
0.14302463	0.65297482	0.20064557	0.5769098	0.70211192	0.97181768	0.70622448	0.70622448	purple
0.9201229	0.72757653	0.23677655	0.444811	0.43777386	0.7940907	0.40734131	0.40734131	grey
0.14830223	0.25800865	0.05387299	0.1647899	0.35582751	0.31810716	0.31668006	0.31668006	tan
0.98372806	0.75755463	0.00670276	0.1847093	0.70882529	0.10598501	0.05558341	0.05558341	turquoise
0.65077718	0.9560107	0.09113402	0.3695318	0.23214598	0.66492533	0.24385777	0.24385777	grey
0.03919647	0.57376228	0.56928351	0.9028866	0.63979677	0.74796517	0.07714784	0.07714784	blue
0.08397356	0.16279539	0.10178414	0.1363702	0.83676142	0.03179575	0.04062062	0.04062062	black
0.34621861	0.9192395	0.45702187	0.3341418	0.64469804	0.57440261	0.06002415	0.06002415	turquoise
0.31724499	0.201111	0.05506888	0.2510575	0.99503394	0.43270535	0.00853621	0.00853621	grey
0.14077625	0.0774727	0.17258494	0.9379532	0.91844091	0.33026314	2.83E-07	2.83E-07	blue
0.21731606	0.05875178	0.92727751	0.055243	0.74255272	0.03445357	1.61E-05	1.61E-05	turquoise
0.26655315	0.10956451	0.21996097	0.4078154	0.58788327	0.09740874	1.57E-05	1.57E-05	turquoise
0.00237737	0.02826891	0.45274532	0.0706393	0.78735983	0.6781118	0.17266214	0.17266214	grey60
0.59496215	0.16081169	0.1234683	0.9472464	0.92322151	0.59473767	0.18331645	0.18331645	turquoise
0.93468601	0.88853012	0.56613559	0.7559089	0.94690471	0.21777729	0.02572691	0.02572691	blue
0.72441851	0.07522416	0.11377406	0.1298635	0.20091333	0.08815318	0.00681605	0.00681605	grey
0.14200099	0.07683791	0.34315179	0.7199935	0.60335436	0.70005107	0.00026042	0.00026042	blue
0.2790242	0.72754638	0.77741098	0.4546419	0.80329548	0.58329154	0.91930825	0.91930825	grey
0.10138468	0.77069455	0.43965631	0.9268916	0.43684618	0.70169501	0.00031759	0.00031759	grey
0.17015564	0.8396785	0.04395037	0.9467968	0.21295261	0.40531806	0.56062176	0.56062176	grey
0.59620076	0.00803899	0.11513353	0.3105116	0.84757697	0.07009503	1.97E-05	1.97E-05	turquoise
0.55656373	0.26032268	0.01401202	0.5886659	0.6846901	0.31406174	0.80787727	0.80787727	turquoise
0.46227958	0.02170481	0.00600046	0.1064553	0.33689251	0.13515985	3.50E-06	3.50E-06	brown
0.56823732	0.4011075	0.0033585	0.2369537	0.78411172	0.64254688	0.48412977	0.48412977	grey
0.18068319	0.30070514	0.24119195	0.1658666	0.20501808	0.36833168	0.43995427	0.43995427	grey
0.6252651	0.01941018	0.021998	0.5345091	0.73277706	0.86321185	3.48E-06	3.48E-06	brown
0.67340235	0.98855118	0.06886669	0.5560471	0.63428318	0.32093033	0.70264579	0.70264579	turquoise
0.95035443	0.20972213	0.10830803	0.0258878	0.54926592	0.05926752	0.19531976	0.19531976	turquoise
0.28889148	0.08397555	0.108702	0.366863	0.03389968	0.24121719	0.62469389	0.62469389	grey
0.19278731	0.31939998	0.02800193	0.8665535	0.62971162	0.51314634	0.15377122	0.15377122	turquoise
0.94762553	0.71092465	0.00454103	0.9021955	0.85206335	0.54489117	0.97768814	0.97768814	turquoise
0.57361273	0.96734326	0.23171048	0.7133888	0.07314343	0.73575935	0.84055936	0.84055936	royalblue
0.36793374	0.0490419	0.04665491	0.2933876	0.37180432	0.75977729	2.33E-24	2.33E-24	brown
0.23510501	0.04441597	0.42121689	0.1985423	0.92746204	0.84601708	5.59E-06	5.59E-06	blue
0.35248047	0.8819898	0.89079109	0.492169	0.24232533	0.50573115	9.67E-11	9.67E-11	grey
0.25210944	0.1679667	0.747928	0.952318	0.28975	0.81316352	0.01741687	0.01741687	blue
0.65747429	0.36319834	0.24882508	0.5346918	0.28821095	0.53109749	8.35E-11	8.35E-11	brown
0.43004058	0.23061655	0.00712203	0.1237165	0.29733111	0.18441232	3.76E-08	3.76E-08	brown
0.31864927	0.05463466	0.11895185	0.0948106	0.01193806	0.04377303	0.05914846	0.05914846	turquoise
0.10380084	0.09876613	0.74023784	0.4557832	0.15057128	0.87431683	0.67190282	0.67190282	blue
0.95884706	0.01272066	0.00019341	0.0394805	0.37399193	0.68999105	8.39E-24	8.39E-24	brown
0.94919062	0.90028855	0.05381099	0.5949754	0.676916	0.0115522	0.08005875	0.08005875	grey
0.94884182	0.95738146	0.08235479	0.84691	0.51226682	0.08375172	0.00030278	0.00030278	turquoise
0.20176641	0.99734933	0.25480012	0.8699553	0.61714702	0.27737187	0.7686677	0.7686677	grey
0.02676504	0.05748681	0.99975417	0.1740713	0.9226499	0.46557755	1.28E-05	1.28E-05	grey

0.00317258	0.88907051	0.50037375	0.2302971	0.58095086	0.05343754	0.08382188	0.08382188	grey
0.21302465	0.39094279	0.04889968	0.9948226	0.1756851	0.96069605	0.0362045	0.0362045	grey
0.44374841	0.86999764	0.34142465	0.5129743	0.9108111	0.59231681	0.68463162	0.68463162	pink
0.28298625	0.63415584	0.05227771	0.1023282	0.9919175	0.0612368	0.00021125	0.00021125	turquoise
0.87881937	0.39511186	0.78534346	0.8303626	0.61160084	0.38041518	0.27068033	0.27068033	turquoise
0.15055281	0.10698611	0.59999915	0.664381	0.54829585	0.37696842	0.14879336	0.14879336	grey
0.00072367	0.58695629	0.30683735	0.487213	0.91136655	0.77502538	0.35336268	0.35336268	lightyellow
0.00012311	0.3633163	0.66770972	0.857079	0.28331413	0.56229246	0.00928136	0.00928136	turquoise
0.04962731	0.17235639	0.13312181	0.5876078	0.52788801	0.03828254	5.60E-10	5.60E-10	blue
0.27916983	0.94574647	0.00793738	0.0481149	0.48835809	0.1176898	0.80169702	0.80169702	purple
0.04377202	0.00492872	0.38183575	0.2126539	0.67357372	0.20968524	6.17E-06	6.17E-06	blue
0.70693254	0.63708709	0.0970125	0.3817776	0.17467934	0.24554509	0.00010856	0.00010856	grey
0.10748823	0.30586446	0.58263965	0.3555493	0.22136726	0.67581085	0.83240748	0.83240748	purple
0.68396588	0.62140599	0.00019304	0.0336697	0.17785572	0.00866071	0.00633069	0.00633069	yellow
0.16325299	0.60897184	0.83875099	0.2655041	0.45838262	0.10727635	0.00155733	0.00155733	turquoise
0.24492057	0.6571209	0.29887098	0.5997201	0.24154385	0.7656803	0.00833101	0.00833101	grey
0.94012051	0.92695947	0.18328667	0.2104841	0.02513344	0.92413043	0.32365491	0.32365491	grey
0.9531599	0.15486814	0.31154024	0.6350441	0.58087952	0.41985882	0.48008438	0.48008438	purple
0.08536393	0.01935441	0.3221401	0.185713	0.59783228	0.8595373	1.67E-10	1.67E-10	salmon
0.8332066	0.54768924	0.57961643	0.1973717	0.16765778	0.71268726	2.19E-05	2.19E-05	grey
0.94316642	0.50573692	0.5794037	0.970886	0.65038671	0.593625	0.12898825	0.12898825	pink
0.47999023	0.88807026	0.20648811	0.0174472	0.57316823	0.16888243	0.43938569	0.43938569	turquoise
0.46255875	0.76445964	0.25970262	0.8580926	0.53611647	0.77872481	0.61043738	0.61043738	grey
0.47152413	0.00160689	0.23383378	0.5178638	0.12782388	0.11339109	0.28264579	0.28264579	red
0.78782173	0.0385317	0.18872111	0.6737894	0.90913025	0.73057076	1.52E-07	1.52E-07	grey
0.63025115	0.68997977	0.00821416	0.107587	0.8764271	0.99028384	0.03160506	0.03160506	turquoise
0.95212368	0.4729598	0.83926972	0.2178263	0.9641027	0.63122935	0.07687299	0.07687299	black
0.34457707	0.84656856	0.30790209	0.5055374	0.49418017	0.44245062	0.80927762	0.80927762	grey
0.02874763	0.2433727	0.7005994	0.8026457	0.66419037	0.58938559	0.93664171	0.93664171	grey
0.45901199	0.43074889	0.51047731	0.7812048	0.90897278	0.30932588	0.01388069	0.01388069	white
0.87650007	0.92367038	0.68402376	0.5409119	0.67632462	0.21053205	0.0393461	0.0393461	grey
0.59639203	0.59906896	0.58094603	0.8670562	0.11957794	0.2695804	0.83096473	0.83096473	grey
0.74116311	0.20009545	0.30694264	0.2532914	0.81203935	0.32372632	0.00051634	0.00051634	grey
0.82600875	0.13814957	0.68042129	0.4806897	0.73012548	0.50479184	0.50615355	0.50615355	grey
0.80720939	0.59131172	0.19185982	0.7336547	0.9607629	0.53197138	9.68E-07	9.68E-07	grey
0.08858707	0.18622624	0.82861213	0.4194911	0.4161739	0.69240458	0.11728988	0.11728988	turquoise
0.68380494	0.00027421	0.75820559	0.8347428	0.87825039	0.33314729	1.10E-05	1.10E-05	brown
0.00372615	0.22301086	0.28327046	0.0726157	0.10831688	0.46995627	0.99635365	0.99635365	grey
0.48626506	0.53529284	0.27694794	0.1209344	0.80652509	0.02446284	0.33688237	0.33688237	blue
0.66440529	0.4475298	0.67467245	0.8536464	0.29506291	0.96815573	0.17032846	0.17032846	grey
0.06317937	0.150106	0.63135488	0.1593898	0.05360933	0.39208687	0.00029352	0.00029352	turquoise
0.109574	0.63659375	0.27143207	0.8402396	0.91953662	0.11795125	5.18E-06	5.18E-06	turquoise
0.00296921	0.06532185	0.88526689	0.4895356	0.71015153	0.25097481	2.12E-05	2.12E-05	turquoise
0.36822982	0.21392431	0.08289617	0.9321925	0.800314	0.46009136	0.88562083	0.88562083	turquoise
0.87931373	0.00507298	0.01914635	0.4145468	0.34721489	0.55903333	1.18E-24	1.18E-24	brown
0.38131113	0.00364854	0.00045734	0.2395061	0.33621734	0.50148379	6.06E-31	6.06E-31	yellow
0.28587849	0.61721654	0.64443357	0.8043244	0.41443092	0.44202948	0.60790348	0.60790348	grey
0.28606272	0.88795926	0.01669243	0.1317417	0.65043042	0.0661709	0.87419269	0.87419269	turquoise
0.21641645	0.00215082	0.00953645	0.0990205	0.87850879	0.57834788	5.25E-17	5.25E-17	green
0.96552222	0.56330052	0.17611016	0.8211898	0.25068554	0.59460083	0.66249386	0.66249386	royalblue
0.0334682	0.24363948	0.27745395	0.0355	0.11952113	0.03294688	0.93639333	0.93639333	turquoise
0.63941876	0.67778924	0.00655685	0.9021036	0.60694803	0.96927767	0.59223503	0.59223503	turquoise
0.00617521	0.00659952	0.10799417	0.8938336	0.56007244	0.35820307	0.05120924	0.05120924	blue
0.36237646	0.10517648	0.09565777	0.8418054	0.75817141	0.10567947	0.93716224	0.93716224	grey
0.76322283	0.99967359	0.0288522	0.333177	0.80427697	0.12722356	0.93493293	0.93493293	turquoise
0.44639043	0.19025822	0.77246348	0.0718076	0.73617485	0.71357137	0.01110566	0.01110566	blue
0.68099934	0.22054182	0.18509034	0.4544785	0.67042209	0.22764837	1.57E-08	1.57E-08	pink
0.12115568	0.91323937	0.45328043	0.5360441	0.31770506	0.33228424	0.00253275	0.00253275	grey
0.20595749	0.49161229	0.01616661	0.2192482	0.47301823	0.44088843	0.00613031	0.00613031	pink
0.27991516	0.50561066	0.36668364	0.6679908	0.12509308	0.5749047	0.52721123	0.52721123	green
0.79849273	0.34171808	0.35071854	0.493025	0.76879642	0.88557259	0.8499228	0.8499228	turquoise

0.09700142	0.29280532	0.00358423	0.5741033	0.82236663	0.13292646	0.06802911	0.06802911	turquoise
0.48064474	0.96062619	0.0075929	0.0188796	0.65982502	0.00342433	0.19680689	0.19680689	turquoise
0.23979117	5.95E-05	0.24666652	0.0707155	0.92018557	0.48213888	1.15E-05	1.15E-05	grey
0.20169735	0.43728507	0.44617703	0.4320391	0.36289716	0.49134375	0.4790113	0.4790113	grey
0.38852977	0.71219027	0.00024148	0.07329	0.10998222	0.01445438	0.00729557	0.00729557	grey
0.98364703	0.00091619	0.00100053	0.1242532	0.46173992	0.85643079	6.14E-12	6.14E-12	brown
0.51229455	0.68924602	0.66704444	0.2700645	0.30064132	0.89817424	0.10085829	0.10085829	blue
0.00374836	0.06709642	0.18818772	0.999847	0.22767334	0.16430684	0.12879639	0.12879639	blue
0.3826257	0.96205358	0.31097443	0.8098566	0.64781104	0.64188841	0.86070804	0.86070804	grey
0.66916166	0.43174592	6.44E-05	0.1522597	0.79921439	0.00274597	0.27395533	0.27395533	turquoise
0.24234003	0.2607414	0.35532516	0.1632446	0.56820504	0.2620242	0.53259366	0.53259366	turquoise
0.59359196	0.32088515	0.04812583	0.3879623	0.6710748	0.64059152	1.44E-10	1.44E-10	brown
0.50949513	0.80643489	0.24500084	0.0508881	0.09879177	0.08674003	0.16162745	0.16162745	turquoise
0.08505036	0.66374592	0.00052895	0.1964296	0.6644771	0.19839567	0.26311711	0.26311711	turquoise
0.56278885	0.77458924	0.07454943	0.4505973	0.35393758	0.61245663	0.11413738	0.11413738	grey
0.11076418	0.03235793	0.15259677	0.2501318	0.96199993	0.8916191	1.14E-08	1.14E-08	brown
0.36986948	0.83957029	0.51123833	0.4511902	0.01572947	0.53454914	0.24782482	0.24782482	grey
0.33769169	0.55625819	0.85826581	0.0274918	0.95546498	0.66871436	0.74873569	0.74873569	grey
0.00376278	0.32654499	0.05122512	0.4116994	0.77261516	0.08893999	0.21380897	0.21380897	grey
0.03923246	0.01297434	0.67777967	0.951547	0.25383969	0.44448671	1.51E-05	1.51E-05	blue
0.14696696	0.07849637	0.03212676	0.396538	0.68704942	0.25588609	2.09E-06	2.09E-06	turquoise
0.64829122	0.61762047	0.45186424	0.1059803	0.92441039	0.99951865	2.97E-05	2.97E-05	red
0.74025405	0.75440592	0.6898752	0.8601586	0.44891963	0.95555092	0.17586312	0.17586312	grey
0.02710003	0.37250868	0.02422963	0.070362	0.84619529	0.03840773	0.01132127	0.01132127	grey
0.3770697	0.33127108	0.21084614	0.9733063	0.77551751	0.93888249	0.20012726	0.20012726	grey
0.28294497	0.30702943	0.55143791	0.8635757	0.97265595	0.56304874	0.06518114	0.06518114	grey
0.34175518	0.23659134	0.12781131	0.1044268	0.62602084	0.2322558	0.72899758	0.72899758	grey
0.12613674	0.46948423	0.70667421	0.4916254	0.67689723	0.32641854	0.01955593	0.01955593	blue
0.55690627	0.02720315	0.24247874	0.9030745	0.02685874	0.53863124	0.69059346	0.69059346	grey
0.91910956	0.96820331	0.43256055	0.6247787	0.88564193	0.17364273	3.20E-06	3.20E-06	blue
0.41669572	0.04199351	0.07767521	0.5459837	0.63390816	0.1478487	0.06387431	0.06387431	grey
0.92900064	0.15875917	0.30545556	0.8335499	0.57651138	0.35574919	9.11E-09	9.11E-09	blue
0.9278515	0.21153548	0.71407505	0.1604753	0.26261409	0.78921359	0.25960437	0.25960437	greenyellow
0.11827422	0.76493295	0.69282344	0.098217	0.1319122	0.80902848	0.00500669	0.00500669	grey
0.74713451	0.28864311	0.51539764	0.4439283	0.3614054	0.23982635	0.0333954	0.0333954	grey
0.83533426	0.68000617	0.01743888	0.8956349	0.64186834	0.34419249	3.28E-27	3.28E-27	yellow
0.5132223	0.18719274	0.43608035	0.1716158	0.62259659	0.43470365	0.1976226	0.1976226	turquoise
0.50404726	0.49731904	0.02924734	0.6445659	0.20471293	0.28382685	0.72394905	0.72394905	darkgrey
0.41870968	0.00224163	0.03086993	0.6266613	0.66711147	0.58610782	1.83E-11	1.83E-11	brown
0.83139889	0.00162335	0.58091708	0.8963052	0.6278089	0.50814694	1.16E-05	1.16E-05	green
0.18523672	0.22824494	0.89281787	0.1105003	0.76893305	0.99902743	0.07463631	0.07463631	grey
0.37038506	0.19376669	0.22399931	0.823828	0.72704722	0.25887009	1.88E-05	1.88E-05	blue
0.97965982	0.67081098	0.64484344	0.3337454	0.90844918	0.12701074	0.30185629	0.30185629	grey
0.65067898	0.58797081	0.85343853	0.2272351	0.68188006	0.81527093	0.67704778	0.67704778	grey
0.89090375	0.39689171	0.03544045	0.152594	0.77830161	0.27235886	0.19205284	0.19205284	pink
0.25703243	0.00321027	0.3216798	0.9350504	0.64589229	0.49254558	0.05134479	0.05134479	blue
0.79607645	0.05559638	0.86380451	0.6311472	0.76924892	0.87259678	3.95E-08	3.95E-08	grey
0.66372086	0.10240535	0.10621216	0.5033955	0.82175455	0.06270551	0.00031485	0.00031485	turquoise
0.83541587	0.71504864	0.07127288	0.1938567	0.58613283	0.14041386	0.14713408	0.14713408	turquoise
0.65521665	0.84666236	0.11240185	0.2923627	0.47704155	0.84878642	6.17E-06	6.17E-06	grey
0.64212715	0.28061954	0.96464078	0.5081568	0.27859044	0.30348747	0.13584542	0.13584542	blue
0.15058654	0.61709468	0.98663273	0.8852279	0.84196703	0.57785794	0.97141331	0.97141331	red
0.94847947	0.42607621	0.34576294	0.7013672	0.67765202	0.58193989	0.50319633	0.50319633	blue
0.76440399	0.53183256	0.04530166	0.0567458	0.48844778	0.01783878	0.06275586	0.06275586	turquoise
0.33302172	0.96074568	0.76296881	0.01631	0.46576016	0.93914181	0.05336408	0.05336408	grey
0.25345198	0.02722345	0.69079436	0.3140145	0.07319462	0.12379337	0.0631851	0.0631851	grey
0.71507849	0.56470217	0.40526733	0.4013767	0.84581587	0.56615765	1.46E-14	1.46E-14	yellow
0.80430152	0.28477585	0.15461751	0.2513011	0.28895704	0.33953482	0.18931045	0.18931045	blue
0.63324983	0.09593044	0.4373608	0.8986211	0.2269567	0.99090743	0.25810143	0.25810143	grey
0.68387963	0.19893151	0.13407846	0.5202696	0.02624451	0.78030499	0.07028778	0.07028778	turquoise
0.14689589	0.64401578	0.0170199	0.4725732	0.77514584	0.00845555	0.41842151	0.41842151	turquoise

0.49284322	0.38661937	0.50922955	0.8222773	0.4984817	0.31574436	0.78542214	0.78542214	turquoise
0.34340497	0.69739238	0.91685702	0.207153	0.82615562	0.92667114	0.00155426	0.00155426	grey
0.93226517	0.31065154	0.03222746	0.7652271	0.95524746	0.67913125	0.29018858	0.29018858	turquoise
0.06713986	0.97450686	0.08059107	0.1360309	0.86817715	0.51471741	0.03103267	0.03103267	green
0.72362375	0.25951382	0.01751515	0.3644696	0.63712376	0.28268184	0.00126147	0.00126147	turquoise
0.00229007	0.25389535	0.04215132	0.6423088	0.6134881	0.16574972	0.84793706	0.84793706	blue
0.14359992	0.10445213	0.20480533	0.6506291	0.3620504	0.41034151	2.92E-06	2.92E-06	yellow
0.13897001	0.57661927	0.47832706	0.1328061	0.4137305	0.1369293	8.91E-05	8.91E-05	grey
0.80646785	0.13441357	0.45076866	0.5940525	0.7088152	0.11134697	0.0020009	0.0020009	turquoise
0.43186198	0.0387083	0.70757678	0.7183746	0.41214185	0.34511854	0.29936092	0.29936092	darkgreen
0.60800414	0.0716525	0.13705987	0.3469844	0.29970824	0.47100635	0.02633369	0.02633369	green
0.89542414	0.09449192	0.11265518	0.2719656	0.590377	0.08268539	7.34E-05	7.34E-05	turquoise
0.75641201	0.65900008	0.62556044	0.9092346	0.31469612	0.88413111	0.0237323	0.0237323	grey
0.17389427	0.56233862	0.36403643	0.6270876	0.29510608	0.77170168	0.31636932	0.31636932	grey
0.40943354	0.90121338	0.00176423	0.3079923	0.3852789	0.04531875	0.10107966	0.10107966	darkgreen
0.92686087	0.8214986	0.04551183	0.4700453	0.4747166	0.68257396	0.05335763	0.05335763	turquoise
0.38681705	0.06359183	0.54912239	0.7662724	0.67101634	0.31818209	2.97E-11	2.97E-11	brown
0.90145798	0.05172043	0.08931372	0.4926279	0.88105421	0.44355513	0.00833196	0.00833196	brown
0.82312675	0.32184501	0.41347978	0.4620246	0.76561234	0.31461681	0.01611435	0.01611435	grey
0.98909097	0.74114036	0.35852611	0.3333993	0.7015028	0.9632937	0.03154047	0.03154047	blue
0.9227575	0.97467587	0.01262394	0.8526302	0.16480276	0.54297917	0.82836418	0.82836418	turquoise
0.01180372	0.01628906	0.15720276	0.5820635	0.03679133	0.68293216	0.09928196	0.09928196	grey
0.85098167	0.12772824	5.26E-05	0.0453491	0.89176545	0.07054228	0.00181983	0.00181983	brown
0.01363909	0.76613073	0.34081261	0.4556046	0.82036913	0.18882908	0.00813257	0.00813257	blue
0.60939261	0.60790973	0.00012154	0.0586125	0.13534646	0.03664109	6.39E-05	6.39E-05	green
0.74138827	0.13887186	0.97030686	0.2179578	0.59875472	0.26820573	0.02650723	0.02650723	turquoise
0.91631434	0.37199096	0.17641138	0.1238353	0.75322429	0.05390512	0.54674864	0.54674864	turquoise
0.56696868	0.46673323	0.34574119	0.4743353	0.05235103	0.45322532	1.71E-05	1.71E-05	blue
0.95731672	0.00110507	0.04701842	0.2621204	0.24541328	0.41456473	3.63E-10	3.63E-10	brown
0.25829052	0.08696266	0.19516042	0.2481441	0.76674789	0.17628415	1.51E-07	1.51E-07	turquoise
0.77857662	0.6753342	0.67177453	0.9459498	0.42993217	0.19763595	0.70181646	0.70181646	turquoise
0.99910553	0.0049768	0.01159988	0.4696884	0.35635745	0.24669134	3.07E-11	3.07E-11	yellow
0.98043108	0.59629745	0.1187873	0.3291447	0.63584617	0.18039525	0.13782974	0.13782974	grey
0.54697608	0.19550091	0.47533065	0.5277609	0.74030232	0.83656205	0.19862459	0.19862459	grey
0.9634719	0.64827686	0.12672706	0.6318687	0.38704514	0.26912517	0.00309437	0.00309437	grey
0.78889109	0.58836403	0.22369954	0.1997839	0.31553693	0.8497931	0.00790885	0.00790885	grey
0.20368573	0.320618	0.08140588	0.7891072	0.45440602	0.403126	0.68939643	0.68939643	turquoise
0.26984223	0.65730326	0.0225783	0.0532987	0.64755099	0.00688019	0.31592481	0.31592481	white
0.3522418	0.00335157	0.02514024	0.7051613	0.40682982	0.76133746	0.00159327	0.00159327	magenta
0.14329954	0.54367564	0.87243727	0.1927265	0.28844857	0.78035604	0.05520321	0.05520321	cyan
0.948824	0.01515785	0.0324999	0.1807405	0.48111759	0.82790714	1.32E-14	1.32E-14	magenta
0.19783202	0.13417032	0.77627316	0.749502	0.60064374	0.44125444	0.01474797	0.01474797	grey
0.48000585	0.45914595	0.39969126	0.8189631	0.82998892	0.76687808	0.01171529	0.01171529	grey
0.99950451	0.72687053	0.08713739	0.4985022	0.28774657	0.18245571	0.13978919	0.13978919	turquoise
0.95910073	0.73031358	0.11100103	0.4146102	0.99116998	0.23955607	0.00179769	0.00179769	turquoise
0.21630345	0.02433061	0.00878774	0.0353086	0.88717065	0.79383436	1.38E-05	1.38E-05	brown
0.57432372	0.00895377	0.00111885	0.3477805	0.71152742	0.19129787	1.23E-10	1.23E-10	brown
0.29603772	0.00674437	0.19337899	0.4556669	0.77305684	0.1681835	1.93E-06	1.93E-06	turquoise
0.1963928	0.25504413	0.99646988	0.4434201	0.86417283	0.54539659	0.91334986	0.91334986	black
0.3392867	0.07399	0.94801127	0.6291476	0.8547587	0.42374878	5.56E-07	5.56E-07	blue
0.02222099	0.25241551	0.02819376	0.979572	0.07028022	0.10688227	2.20E-05	2.20E-05	blue
0.22599002	0.59087183	0.23864319	0.4469312	0.68883113	0.82625298	0.74073456	0.74073456	midnightblue
0.64325691	0.05781049	0.00451403	0.0922948	0.25929045	0.97623773	4.68E-19	4.68E-19	brown
0.25711481	0.52086843	0.23919159	0.8037948	0.21397547	0.78572802	5.43E-07	5.43E-07	grey
0.32682339	0.8675872	0.69821578	0.2211439	0.90420721	0.12004384	0.47289439	0.47289439	cyan
0.2242891	0.23589771	0.34277622	0.4551481	0.17016041	0.32148816	0.53832748	0.53832748	turquoise
0.13267347	0.4772406	0.97379218	0.259195	0.49287055	0.85350602	0.87374782	0.87374782	grey
0.64218862	0.45717304	0.03921195	0.4683367	0.43272197	0.52373084	0.72178388	0.72178388	turquoise
0.18590707	0.37939788	0.11715666	0.9453747	0.44521919	0.32330448	0.54290956	0.54290956	darkorange
0.66059824	0.00783546	0.00226898	0.3671977	0.52655579	0.14524532	6.59E-17	6.59E-17	yellow
0.3592786	0.4834548	0.95372132	0.545015	0.65771425	0.52081366	0.04041429	0.04041429	blue

0.56952679	0.24344623	0.68303222	0.4829567	0.40390862	0.88624556	0.21858328	0.21858328	grey
0.07402866	0.20350214	0.75906006	0.9188647	0.73382573	0.97992295	0.00737352	0.00737352	blue
0.35901348	0.17654278	0.69870402	0.919899	0.96137746	0.70183451	2.06E-05	2.06E-05	blue
0.14432605	0.11863934	0.12532758	0.3541184	0.91120031	0.11991963	3.30E-06	3.30E-06	blue
0.02401829	0.75480084	0.04938494	0.6897485	0.61824106	0.17370671	0.12956759	0.12956759	blue
0.50100333	0.83325187	0.52586901	0.6866718	0.89607038	0.95833616	0.00615361	0.00615361	grey
0.90626232	0.00655689	0.13786878	0.0653313	0.46064418	0.52021224	0.0002929	0.0002929	brown
0.77487727	0.08783433	0.00217696	0.0176274	0.35374474	0.28875867	1.52E-09	1.52E-09	yellow
0.03959304	0.09030484	0.20849676	0.6280704	0.61601934	0.22221972	1.11E-05	1.11E-05	blue
0.32726227	0.26175774	0.09111092	0.0887921	0.67508841	0.18654532	0.13017762	0.13017762	green
0.65085188	0.16564848	0.41258315	0.545623	0.50495087	0.6461885	2.33E-06	2.33E-06	turquoise
0.68978038	0.54333357	0.12591835	0.9445153	0.90675195	0.18935561	0.00010471	0.00010471	black
0.19339361	0.62793312	0.37908103	0.1602952	0.45560616	0.7459948	3.48E-06	3.48E-06	grey
0.62931321	0.19574852	0.70985183	0.5620045	0.26422275	0.1241472	0.63415783	0.63415783	blue
0.15191217	0.13425136	0.68744983	0.9738439	0.80412532	0.42568437	0.00066546	0.00066546	turquoise
0.76541876	0.02720179	0.66726204	0.6708408	0.29112055	0.50654201	4.90E-06	4.90E-06	grey
0.33530422	0.21522655	0.25357686	0.463632	0.77130559	0.95455609	8.40E-07	8.40E-07	brown
0.71720962	0.01354362	0.08160147	0.2335041	0.35659944	0.85922403	1.66E-13	1.66E-13	brown
0.27589777	0.14958336	0.39937065	0.5505297	0.33752567	0.99005749	0.02729639	0.02729639	blue
0.76003632	0.69015901	0.50216961	0.6377048	0.36366185	0.29952176	0.90225698	0.90225698	pink
0.32726159	0.8880872	0.03762551	0.8758194	0.84166548	0.91972089	0.18301477	0.18301477	turquoise
0.48280761	0.92726988	0.01174862	0.4590938	0.936616	0.11895819	3.46E-07	3.46E-07	yellow
0.85083857	0.03438197	0.81237961	0.4367583	0.43990679	0.66565783	0.00061476	0.00061476	turquoise
0.83994468	0.01672557	0.31880759	0.5459818	0.85423361	0.08486722	9.95E-05	9.95E-05	grey
0.83911517	0.0054891	0.02743299	0.2447335	0.36160231	0.53704939	8.56E-21	8.56E-21	brown
0.81771974	0.13213227	0.42490958	0.6862046	0.84282618	0.46086336	4.85E-09	4.85E-09	brown
0.17529338	0.40525794	0.02699074	0.0402157	0.29530841	0.04374396	0.09631667	0.09631667	blue
0.03093079	0.78253534	0.52395965	0.1828221	0.82276217	0.39722255	0.14331702	0.14331702	grey
0.03519095	0.53292027	0.5963764	0.7770967	0.66690687	0.57078436	0.0012314	0.0012314	grey
0.35189038	0.04255394	0.8281586	0.6069067	0.82978564	0.99382806	0.01334677	0.01334677	grey
0.05767798	0.0596575	0.36921564	0.3513949	0.69259736	0.32491514	0.78907038	0.78907038	turquoise
0.3781517	0.26318472	0.51373528	0.7387914	0.56972518	0.88077277	0.11511872	0.11511872	grey
0.49611853	0.21917362	0.00212491	0.3213919	0.75597489	0.01242081	1.51E-05	1.51E-05	blue
0.40917881	0.2593604	0.13515475	0.8832194	0.06567131	0.09288014	0.18487485	0.18487485	blue
0.00544258	0.18940802	0.08195598	0.3508792	0.7969335	0.0236411	0.04272403	0.04272403	turquoise
0.37206953	0.84278218	0.06500015	0.3665817	0.76623162	0.2738104	0.20721772	0.20721772	turquoise
0.08937572	0.69400415	0.1060307	0.1517618	0.9851421	0.41302177	0.20565628	0.20565628	grey
0.37672966	0.76693389	0.40045095	0.7573162	0.36132582	0.50278405	0.00042315	0.00042315	turquoise
0.20654437	0.19643666	0.99885968	0.5852095	0.55376092	0.84622035	0.00558636	0.00558636	blue
0.70990221	0.86375623	0.19274823	0.8783138	0.77100958	0.13631144	0.0013556	0.0013556	grey
0.71200887	0.04220169	0.00222152	0.1074134	0.53756811	0.28775461	8.63E-22	8.63E-22	brown
0.71895746	0.36051222	0.0103982	0.2998439	0.53585185	0.39044223	0.07172593	0.07172593	turquoise
0.99382972	0.22799806	0.37726728	0.7069346	0.75171984	0.60182003	0.04231404	0.04231404	blue
0.59834891	0.28232392	0.16252472	0.3230324	0.28368121	0.96844753	0.51061762	0.51061762	grey
0.19453763	0.04635098	0.26350101	0.4794703	0.78468948	0.27228849	0.05813691	0.05813691	turquoise
0.15795614	0.95965396	0.2575984	0.507616	0.48575204	0.30481075	0.1171125	0.1171125	turquoise
0.17695612	0.32795237	0.00031459	0.4311158	0.3212395	0.04671472	0.70714549	0.70714549	turquoise
0.35336581	0.15060224	0.23398876	0.6886347	0.40104731	0.06655582	0.89012433	0.89012433	turquoise
0.57482911	0.70659135	0.16709194	0.7959112	0.77107436	0.2724494	0.87195546	0.87195546	turquoise
0.93536057	0.00732815	0.23060896	0.6146065	0.25264063	0.19849147	0.00848415	0.00848415	brown
0.68493385	0.76679368	0.11966035	0.4554402	0.74476392	0.64459523	0.23446401	0.23446401	turquoise
0.01135308	0.06050251	0.86300179	0.6556685	0.90589257	0.4055857	6.40E-05	6.40E-05	grey
0.80905014	0.318304	0.00105454	0.2948554	0.43808362	0.01678232	3.06E-08	3.06E-08	brown
0.38953554	0.63715507	0.9972766	0.3242135	0.63041758	0.76798116	0.50738769	0.50738769	grey
0.01513365	0.53771115	0.44425785	0.5426813	0.2527998	0.51046221	0.01819821	0.01819821	grey
0.74398212	0.10961991	0.00049985	0.0280827	0.93003836	0.00592058	0.00877478	0.00877478	turquoise
0.73251278	0.131843	0.76259221	0.1639299	0.55393841	0.27597458	2.31E-05	2.31E-05	turquoise
0.54060443	0.21711082	0.0052551	0.6189898	0.73420604	0.19022372	0.00030724	0.00030724	turquoise
0.52698652	0.00786789	0.15555559	0.0423544	0.34778516	0.45105165	0.00023852	0.00023852	grey
0.7679728	0.21259763	0.00177054	0.202101	0.65549036	0.01530581	2.55E-05	2.55E-05	turquoise
0.41909365	0.2789951	0.00019749	0.0389733	0.97392442	0.08149667	0.95437714	0.95437714	turquoise

0.47177767	0.8158568	0.14591511	0.7222785	0.02827391	0.55326931	0.16618517	0.16618517	grey
0.20993519	0.77314763	0.31832504	0.8865521	0.76634461	0.49512242	0.17393465	0.17393465	red
0.0546422	0.29677657	0.20281012	0.1020001	0.4373881	0.87918796	0.80389189	0.80389189	grey
0.68650104	0.22118548	0.26693395	0.4470877	0.8908912	0.12561243	7.42E-08	7.42E-08	blue
0.84914166	0.11729397	0.75248617	0.2009589	0.77642797	0.04896147	0.02105576	0.02105576	blue
0.28428317	0.2342365	0.39104368	0.6098082	0.77894885	0.78217582	0.00428934	0.00428934	grey
0.50147622	0.64116191	0.02033754	0.3782952	0.7570717	0.89390168	6.62E-05	6.62E-05	yellow
0.67716113	0.82846278	0.14491809	0.9245004	0.47923721	0.84867963	8.49E-06	8.49E-06	green
0.04820532	0.05460309	0.97385985	0.6763995	0.06078419	0.91454759	0.92111737	0.92111737	turquoise
0.31771835	0.56695	0.28209836	0.0938434	0.7685782	0.02538106	0.14319782	0.14319782	turquoise
0.25959332	0.21375091	0.45026002	0.6598661	0.2927426	0.70409887	0.00222114	0.00222114	turquoise
0.17643145	0.02073723	0.30626799	0.9061842	0.57588641	0.93887243	0.00646647	0.00646647	grey
0.17184425	0.54880023	0.1012893	0.2765035	0.19340195	0.93491213	0.75767295	0.75767295	turquoise
0.44944484	0.68052643	0.73460908	0.9541253	0.86309725	0.19769641	0.06873636	0.06873636	grey
0.3637946	0.43071658	0.00060646	0.5383806	0.92518159	0.52624575	5.80E-07	5.80E-07	brown
0.80903504	0.75720919	0.14577926	0.6152947	0.53295124	0.71444801	0.62259757	0.62259757	midnightblue
0.80195245	0.51654662	0.03042088	0.3452512	0.66154135	0.14751837	0.00725494	0.00725494	turquoise
0.62354602	0.02608879	0.19253267	0.0163733	0.76788234	0.29472759	4.98E-07	4.98E-07	blue
0.23350343	0.2932234	0.03458716	0.2976857	0.59871688	0.03782763	0.00184639	0.00184639	grey
0.44618638	0.63109511	0.0595487	0.8584341	0.61111953	0.97823591	0.03859656	0.03859656	turquoise
0.78125277	0.29428314	0.00017413	0.1874772	0.46350697	0.00412353	0.00650884	0.00650884	turquoise
0.26805367	0.00011742	0.00055205	0.054298	0.36359423	0.56331746	2.18E-17	2.18E-17	brown
0.91401126	0.33970748	0.175097	0.1533492	0.56015978	0.72085155	0.00877482	0.00877482	grey
0.84371167	0.09159997	0.42998289	0.8950731	0.78546657	0.74715046	1.68E-05	1.68E-05	blue
0.96437102	0.0319337	0.91226247	0.778182	0.62583682	0.30899019	3.17E-05	3.17E-05	turquoise
0.40963881	0.35434859	0.19361384	0.6553231	0.00562658	0.07127823	0.13130364	0.13130364	turquoise
0.53129807	0.0559843	0.31668392	0.8364982	0.38466886	0.41338783	0.00333607	0.00333607	red
0.51554723	0.49231643	0.00649056	0.0525477	0.90013847	0.01427781	0.00907586	0.00907586	turquoise
0.72026019	0.72952914	0.19870539	0.3155493	0.30957936	0.65225993	0.00914859	0.00914859	turquoise
0.92739693	0.14097801	0.69282436	0.4793217	0.97371522	0.96928597	0.5031703	0.5031703	midnightblue
0.90595033	0.10644052	0.00029265	0.0188264	0.05625451	0.30194686	1.74E-09	1.74E-09	brown
0.2219106	0.75547202	0.87918938	0.0295772	0.17189157	0.09130532	7.14E-06	7.14E-06	grey
0.98283348	0.96939089	0.92140489	0.3877789	0.7599937	0.75167902	0.88136533	0.88136533	grey
0.12580764	0.02688199	0.22346691	0.5482886	0.76634402	0.20719618	6.66E-05	6.66E-05	blue
0.75067857	0.35779927	0.0228592	0.5225345	0.73723113	0.031441	0.3138459	0.3138459	turquoise
0.6900508	0.99883356	0.08358031	0.2590981	0.6788891	0.53743408	0.39008461	0.39008461	turquoise
0.57697764	0.31890299	0.81315427	0.2986794	0.28656531	0.43935862	0.00794111	0.00794111	blue
0.83171607	0.03561576	0.63553988	0.2076745	0.41439727	0.8087877	0.84725625	0.84725625	turquoise
0.55169504	0.78813216	0.51505097	0.7715248	0.93598964	0.5425322	0.99990424	0.99990424	grey
0.30621587	0.05443612	0.01679579	0.1133431	0.751748	0.09896283	0.58144313	0.58144313	turquoise
0.45905523	0.01916635	0.78727312	0.5043811	0.88300817	0.34488723	0.07286144	0.07286144	turquoise
0.96720788	0.95884061	0.29704028	0.9595929	0.15147372	0.59076152	0.51092623	0.51092623	grey
0.70271703	0.02084465	0.91771663	0.3477644	0.85774073	0.34380203	0.09112675	0.09112675	blue
0.04752278	0.00504149	0.16220799	0.0708587	0.79216753	0.10542123	0.00909473	0.00909473	turquoise
0.19116188	0.29563692	0.8077969	0.7174634	0.80179528	0.90970381	0.23777227	0.23777227	grey
0.88585478	0.43365524	0.77672494	0.1497832	0.02616486	0.36473847	6.67E-10	6.67E-10	lightgreen
0.06707348	0.60310877	0.63383407	0.4310729	0.28679846	0.807245	0.76242117	0.76242117	grey
0.41250612	0.83985984	0.68792514	0.9813765	0.7967757	0.79402609	0.15844842	0.15844842	blue
0.87393056	0.05094325	0.47440877	0.2066419	0.33101645	0.69658163	9.56E-06	9.56E-06	blue
0.87298005	0.63825469	0.35190816	0.00823	0.99447209	0.02672324	0.06119747	0.06119747	purple
0.45692584	0.22457769	0.53430345	0.0363792	0.2873196	0.11131314	0.86991193	0.86991193	grey
0.36422041	0.55224488	0.80251472	0.2983366	0.35419833	0.98800758	0.35731092	0.35731092	turquoise
0.22830964	0.4021911	0.67925057	0.5152128	0.79182842	0.04110899	0.36932697	0.36932697	turquoise
0.17655912	0.03940914	0.2231427	0.3334268	0.6997826	0.41272672	0.65391759	0.65391759	darkred
0.30956174	0.47295698	0.0074479	0.1231156	0.66079245	0.07335641	0.00010534	0.00010534	yellow
0.28440121	0.79430335	0.05087315	0.5996418	0.92446724	0.29366343	0.13136665	0.13136665	red
0.11950154	0.18157605	0.69790253	0.1992686	0.82907069	0.45355636	0.22291093	0.22291093	grey
0.18899807	0.29826095	0.01300879	0.5713357	0.21343957	0.28754271	0.16123957	0.16123957	turquoise
0.85610568	0.00633249	0.02695055	0.1321371	0.14895352	0.14665989	5.36E-10	5.36E-10	brown
0.37648652	0.03596547	0.57218492	0.5302832	0.6982186	0.65122494	0.03609191	0.03609191	grey60
0.26795835	0.6396439	0.04005761	0.2898234	0.41122832	0.80018539	0.99205661	0.99205661	blue

0.43392364	0.1617183	0.34428498	0.7953123	0.81388838	0.29589645	6.52E-14	6.52E-14	brown
0.60825027	0.49631881	0.02458326	0.0340309	0.03423436	0.0879264	0.00255314	0.00255314	grey
0.11931463	0.54152421	0.03651299	0.5548933	0.91417601	0.26863216	0.76555332	0.76555332	grey
0.92148227	0.00672272	0.51516709	0.5659931	0.82584942	0.82915433	3.95E-08	3.95E-08	blue
0.67112411	0.73365593	0.24382302	0.7712683	0.72157025	0.16178555	0.06593277	0.06593277	turquoise
0.34820146	0.9879482	0.03106042	0.3395942	0.62740948	0.19971254	0.01508053	0.01508053	red
0.0651087	0.37184096	0.20187171	0.6434397	0.55787733	0.20631882	0.18295158	0.18295158	turquoise
0.92631717	0.32745493	0.74547851	0.2436037	0.85241847	0.48270241	0.73346413	0.73346413	grey
0.37153669	0.23737222	0.30195241	0.4210679	0.85196869	0.38916333	1.15E-05	1.15E-05	blue
0.07360706	0.03042385	0.51383843	0.4134683	0.85722037	0.87577319	5.69E-09	5.69E-09	grey
0.15643296	0.03718846	0.56248625	0.8877602	0.88054144	0.29855087	0.00198072	0.00198072	blue
0.26490603	0.0069633	0.01170367	0.9662102	0.05816471	0.51607894	4.01E-06	4.01E-06	brown
0.7358151	0.72921468	0.62721479	0.1355985	0.59877038	0.93478059	0.4108642	0.4108642	grey
0.95822137	0.46076522	0.95044252	0.5059304	0.31999508	0.29703884	0.00483839	0.00483839	grey
0.50580259	0.72875631	0.2189384	0.3777593	0.0871443	0.01283726	0.25475304	0.25475304	blue
0.81011204	0.04338788	0.01592478	0.0363067	0.32469322	0.14336065	1.44E-09	1.44E-09	turquoise
0.62043354	0.32618625	0.00192477	0.0357885	0.92091362	0.00962668	0.99424875	0.99424875	turquoise
0.70171805	0.23571023	0.95535096	0.4219601	0.19848201	0.60569337	0.48197612	0.48197612	blue
0.64885438	0.00193604	0.09188007	0.4938969	0.75806235	0.56253171	1.67E-14	1.67E-14	brown
0.02915534	0.15233478	0.18951153	0.9384565	0.59309792	0.55920101	0.00804772	0.00804772	blue
0.38941786	0.00755941	0.06060383	0.4909525	0.69832209	0.48883115	8.49E-21	8.49E-21	brown
0.38497329	0.24204521	0.31374723	0.5499452	0.10262226	0.20551421	0.19516326	0.19516326	blue
0.8537055	0.72370802	0.36785036	0.6557749	0.76637643	0.74207915	0.00976357	0.00976357	blue
0.07920558	0.03320364	0.0235786	0.9953898	0.98604962	0.85477754	0.55374942	0.55374942	turquoise
0.84623328	0.00209095	0.00738103	0.5180335	0.54022	0.3968201	8.83E-23	8.83E-23	brown
0.53029988	0.88494189	0.24490807	0.31564	0.15682346	0.15174162	1.26E-07	1.26E-07	yellow
0.38329751	0.10954174	0.00216416	0.1823734	0.3713132	0.80228287	2.64E-11	2.64E-11	brown
0.79829189	0.5331311	0.40993637	0.5322263	0.81911402	0.4948566	0.28817442	0.28817442	grey
0.6523006	0.52489695	0.43260002	0.9768452	0.59091046	0.52391676	0.67435021	0.67435021	midnightblue
0.54034725	0.48765358	0.00551779	0.0188951	0.98093896	0.04615143	0.04793774	0.04793774	turquoise
0.58389317	0.08404576	0.09598771	0.1362354	0.81323421	0.05288351	5.98E-05	5.98E-05	blue
0.5339555	0.52973355	0.000625	0.0472651	0.96725367	0.02682939	0.00589603	0.00589603	green
0.03047111	0.12832271	3.55E-05	0.0391214	0.26089782	0.00942864	0.00057014	0.00057014	grey
0.21473235	0.02885767	0.09643881	0.3731031	0.09450779	0.72905149	0.18965362	0.18965362	grey
0.84223976	0.02455891	0.29661886	0.9348132	0.74125241	0.89261199	0.39764217	0.39764217	grey
0.04538014	0.18293859	0.90096218	0.650689	0.87063947	0.92300794	0.24898611	0.24898611	grey
0.47397293	0.28450485	0.05058401	0.4708704	0.94832812	0.75955487	0.28959069	0.28959069	turquoise
0.39288759	0.71199227	0.44105175	0.5809937	0.19521442	0.00321019	0.24598077	0.24598077	grey
0.09732946	0.43892577	0.77390487	0.5285606	0.33584113	0.59947119	0.06914506	0.06914506	grey
0.68983255	0.24329511	0.07515244	0.1030167	0.38461583	0.01850289	0.00186868	0.00186868	blue
0.86307149	0.28464438	0.43135719	0.364584	0.84414589	0.21366083	0.00743251	0.00743251	turquoise
0.43352125	0.47755874	0.14062322	0.0599357	0.86502723	0.68826676	0.00135573	0.00135573	turquoise
0.84388139	0.00811134	0.27301212	0.6288916	0.95182022	0.08698079	3.50E-09	3.50E-09	brown
0.01412839	0.97820349	0.96911876	0.4551497	0.67382604	0.07107096	0.1619671	0.1619671	grey
0.67273685	0.163035	0.3169756	0.1345444	0.5006323	0.20911374	0.3458336	0.3458336	lightcyan
0.31857149	0.53885054	0.00747201	0.154113	0.46371703	0.00334883	0.96688628	0.96688628	turquoise
0.4698294	0.05873377	0.74711944	0.4976429	0.37619641	0.96668992	0.01634147	0.01634147	green
0.65203743	0.21960946	0.61427177	0.474969	0.7571016	0.83783536	1.47E-07	1.47E-07	grey
0.87643443	0.01755149	0.00625279	0.1092574	0.76542979	0.0005291	0.11278142	0.11278142	grey
0.25975547	0.08225608	0.84185904	0.9357602	0.27662774	0.6174736	7.34E-05	7.34E-05	brown
0.28420967	0.7022894	0.44709742	0.7563988	0.64856924	0.86410292	0.03473081	0.03473081	turquoise
0.3589339	0.94961293	0.14644044	0.7531274	0.02500143	0.42737802	0.32272784	0.32272784	grey
0.35457982	0.45492808	0.74888748	0.8357419	0.84454393	0.52558279	0.02031646	0.02031646	blue
0.34602736	0.05951477	0.00217036	0.4349204	0.63238752	0.00434229	0.10557823	0.10557823	blue
0.8947163	0.19483337	0.00780267	0.9053711	0.43400293	0.16493498	0.86539619	0.86539619	tan
0.11993317	0.40805755	0.00975482	0.1733549	0.87587614	0.33884391	0.7957747	0.7957747	grey
0.20740712	0.00169755	0.0838813	0.8818884	0.7073286	0.92537897	4.40E-13	4.40E-13	brown
0.00245555	0.0018001	0.87443534	0.9288518	0.55581738	0.99727849	1.50E-07	1.50E-07	blue
0.39173597	0.64472258	0.85259698	0.5938902	0.44856479	0.91595933	0.04706095	0.04706095	grey
0.56850181	0.93802214	0.52647196	0.1872975	0.84407039	0.08467667	0.19194731	0.19194731	orange
0.93053999	0.59186345	0.07637991	0.1496595	0.26298357	0.0704817	2.24E-05	2.24E-05	turquoise

0.30761213	0.0004514	0.02376074	0.1273077	0.87964463	0.92178716	1.92E-23	1.92E-23	yellow
0.91354926	0.77761979	0.08331708	0.217412	0.91552097	0.20780665	0.09415626	0.09415626	grey
0.97248171	0.35002802	0.4570221	0.7405635	0.19250486	0.50391954	0.00849209	0.00849209	blue
0.81315006	0.23219879	0.27520374	0.5206082	0.45359774	0.16641418	0.00026229	0.00026229	skyblue
0.02242431	0.30179993	0.01611475	0.5679122	0.33406007	0.26682406	0.17616289	0.17616289	turquoise
0.82041974	0.3903131	0.93086511	0.0933274	0.57998839	0.76540658	0.00224312	0.00224312	grey
0.43461528	0.01460932	0.01267231	0.2329981	0.81720399	0.36710461	1.71E-29	1.71E-29	brown
0.61430096	0.58603649	0.96602797	0.735521	0.4156994	0.98951554	1.48E-08	1.48E-08	turquoise
0.36459957	0.30096708	0.22789748	0.5155634	0.93019468	0.33006879	0.0426921	0.0426921	purple
0.00477871	0.70920238	0.30800991	0.5340202	0.61922792	0.24261732	0.04561957	0.04561957	blue
0.45604477	0.06591297	0.05723943	0.0553623	0.54499703	0.37912768	2.00E-10	2.00E-10	grey
0.39958164	0.26492161	0.35775434	0.4597581	0.88589063	0.0879524	0.29637182	0.29637182	turquoise
0.5649144	0.05584681	0.65918317	0.7842031	0.14720566	0.31428059	7.97E-06	7.97E-06	brown
0.31721521	0.16064194	0.56284704	0.6778487	0.32541862	0.34832612	0.0082215	0.0082215	blue
0.02674665	0.8536741	0.20564286	0.3446289	0.53168117	0.48340469	0.8277425	0.8277425	turquoise
0.40643513	0.90833843	0.33571741	0.6197621	0.37951038	0.2053665	4.63E-08	4.63E-08	green
0.30229897	0.07746106	0.03549557	0.5308841	0.96224897	0.92767374	0.00328055	0.00328055	grey
0.93290061	0.1065444	0.29547583	0.0408113	0.21269414	0.21392584	0.39896034	0.39896034	grey
0.75275608	0.99749817	0.74550556	0.5099501	0.98106928	0.92855845	0.46765243	0.46765243	turquoise
0.4218933	0.75827322	0.00357376	0.0430794	0.73368937	0.01182784	0.00024451	0.00024451	turquoise
0.77496578	0.01289412	0.00732106	0.0878839	0.98367963	0.75791865	1.46E-13	1.46E-13	brown
0.65150406	0.7862521	0.47236424	0.4817626	0.04877471	0.51065717	0.52182449	0.52182449	grey
0.47248847	0.60798756	5.68E-05	0.7778061	0.5993538	0.19472352	0.01721657	0.01721657	tan
0.93456549	0.43246434	0.83630612	0.8943783	0.8073941	0.84322708	0.6442707	0.6442707	darkgreen
0.35930583	0.81660595	0.77364845	0.2387048	0.59664953	0.87124305	0.41578439	0.41578439	turquoise
0.22357943	0.52261965	0.302255	0.9208945	0.72825178	0.2973414	0.82693107	0.82693107	turquoise
0.24685174	0.27513767	0.28548641	0.1812749	0.1914881	0.54423888	0.91697677	0.91697677	grey
0.15046829	0.70519277	0.35035078	0.5152232	0.70158702	0.90478901	0.96302157	0.96302157	grey
0.91941685	0.33868644	0.42673426	0.7526337	0.47719822	0.20611106	0.21326896	0.21326896	grey
0.1316575	0.37291672	0.85208304	0.6821877	0.91683253	0.71426293	0.04107504	0.04107504	red
0.69946234	0.27213267	0.64565094	0.9149672	0.4851945	0.35590137	0.00812114	0.00812114	turquoise
0.35155021	0.81884137	0.56471036	0.1289388	0.49001207	0.62448265	0.00430442	0.00430442	grey
0.44230052	0.01728565	0.02594177	0.6559293	0.57369698	0.38472088	1.57E-12	1.57E-12	brown
0.44429645	0.56892815	0.10176715	0.0506618	0.30082771	0.63732916	0.64430673	0.64430673	black
0.23444023	0.37093082	0.01788564	0.9129834	0.67317138	0.99399993	0.00121075	0.00121075	brown
0.98798421	0.08590105	0.00924331	0.4698167	0.57749569	0.20775851	8.15E-29	8.15E-29	yellow
0.13416361	0.57926235	0.00968683	0.0023188	0.94855361	0.0108157	0.10432013	0.10432013	turquoise
0.2243023	0.0575201	0.21872225	0.4477014	0.93059053	0.53753552	1.50E-19	1.50E-19	yellow
0.32945362	0.11499825	0.10335215	0.183545	0.16938673	0.15623009	2.18E-06	2.18E-06	blue
0.18391446	0.84402579	0.02924046	0.8382934	0.62163893	0.23768411	0.00013515	0.00013515	blue
0.46227024	0.48409175	0.00024243	0.2685512	0.67222638	0.03975166	0.48974613	0.48974613	grey
0.16567026	0.54074066	0.74765331	0.8539828	0.8648598	0.27712151	0.15953715	0.15953715	grey
0.18449428	0.03713384	0.9342919	0.0230193	0.90726012	0.45905628	0.16006225	0.16006225	blue
0.0250706	0.9874342	0.98164305	0.7168453	0.49530923	0.67195628	0.16787579	0.16787579	grey
0.84963133	0.13405843	0.41536692	0.7536488	0.69839435	0.11690168	0.11052345	0.11052345	grey
0.04691453	0.0534453	0.04253143	0.7188615	0.56185355	0.47881741	0.91924921	0.91924921	turquoise
0.7519029	0.00324467	0.11461547	0.3164491	0.57955525	0.53898949	0.00058951	0.00058951	grey
0.49564358	0.05807023	0.25588378	0.3075958	0.83865652	0.53581411	1.02E-09	1.02E-09	red
0.25446853	0.64917409	0.0473913	0.3900584	0.34361692	0.14651748	5.40E-05	5.40E-05	turquoise
0.17595746	0.75530587	0.02421064	0.851886	0.17345441	0.1388672	0.89780616	0.89780616	turquoise
0.05446806	0.35577368	0.5373028	0.6938597	0.76314481	0.77611226	0.79167003	0.79167003	grey
0.25859326	0.0032081	0.56838497	0.6590602	0.78736598	0.14958093	0.23821005	0.23821005	turquoise
0.61769014	0.29847139	0.06206864	0.3440245	0.68216439	0.30198929	0.7179771	0.7179771	blue
0.77899237	0.70541216	0.00471434	0.5202828	0.31742326	0.01837102	4.94E-08	4.94E-08	yellow
0.95519099	0.81459407	0.53963767	0.4672212	0.36049404	0.054461	0.03391233	0.03391233	turquoise
0.14809019	0.63692761	0.09413282	0.196738	0.06528645	0.27291614	0.1629207	0.1629207	turquoise
0.50070349	0.07121901	0.0016152	0.533677	0.68726583	0.1917877	0.31463459	0.31463459	tan
0.73114444	0.99912527	0.00091063	0.8554957	0.86131884	0.06452418	0.00971352	0.00971352	tan
0.52500457	0.04183451	0.08419375	0.8439605	0.21199978	0.26768011	2.60E-07	2.60E-07	brown
0.51221132	0.92198059	0.13290795	0.8163346	0.8819439	0.91423717	0.69905069	0.69905069	blue
0.93212199	0.25003425	0.44004425	0.7772229	0.36273339	0.52231335	0.00935681	0.00935681	blue

0.4303377	0.08013914	0.12264698	0.4066871	0.35136544	0.14295872	0.00012513	0.00012513	turquoise
0.01214139	0.35945473	0.23374303	0.2057852	0.38727484	0.3777369	0.18084583	0.18084583	turquoise
0.09169249	0.58718064	0.43090759	0.2911895	0.83199494	0.42347841	0.89519124	0.89519124	grey
0.04581749	0.9634028	0.23827281	0.1415152	0.00714297	0.28098714	0.0018248	0.0018248	turquoise
0.23945397	0.66495005	0.90723109	0.502849	0.90875824	0.89188016	0.33285057	0.33285057	turquoise
0.74666458	0.06351295	0.83788503	0.9717324	0.24607453	0.67307547	0.00682674	0.00682674	blue
0.03970006	0.04995464	0.2996735	0.6350784	0.82017231	0.36023622	0.13346574	0.13346574	grey
0.28956645	0.01656138	0.54239135	0.4597777	0.204541	0.27484438	0.1379775	0.1379775	grey
0.00101053	0.8950496	0.90239767	0.2647771	0.37450515	0.74478909	0.45988745	0.45988745	turquoise
0.46632153	0.30453394	0.00188136	0.4571867	0.38831255	0.17995716	3.09E-10	3.09E-10	turquoise
0.176987	0.00788323	0.85420693	0.6957543	0.47551172	0.70586374	0.59488719	0.59488719	greenyellow
0.650695	0.01493461	0.0001735	0.0692291	0.77012254	0.14427906	1.87E-45	1.87E-45	yellow
0.42286846	0.81664674	0.64294862	0.4259045	0.23108069	0.52123332	0.39991731	0.39991731	red
0.42332832	0.0893464	0.32631876	0.1674518	0.6257573	0.66390643	0.04700048	0.04700048	blue
0.65604393	0.01418961	0.00261457	0.1293324	0.61815362	0.81068458	4.21E-08	4.21E-08	brown
0.22842156	0.02902908	0.11284656	0.6601289	0.55672318	0.19905042	7.85E-05	7.85E-05	turquoise
0.80980099	0.673643	0.06595199	0.9697322	0.20186109	0.98340107	8.05E-31	8.05E-31	yellow
0.28871574	0.1793299	0.53003335	0.7039317	0.61022301	0.28486356	5.66E-05	5.66E-05	turquoise
0.84305212	0.00434581	0.23502008	0.6486625	0.43532165	0.20396936	2.52E-09	2.52E-09	brown
0.26102956	0.45192853	0.37458165	0.8614757	0.20330989	0.70825763	0.00082038	0.00082038	grey
0.3979163	0.43745836	0.1898135	0.6661611	0.05570299	0.44996739	0.01335598	0.01335598	grey
0.22957232	0.5988049	0.21686123	0.0137929	0.22609986	0.08184234	0.18746823	0.18746823	turquoise
0.31181768	0.29966621	0.72347801	0.9989417	0.83039527	0.48579643	0.00015773	0.00015773	blue
0.48841464	0.47670443	0.25060223	0.964164	0.64516317	0.88766897	1.14E-26	1.14E-26	yellow
0.27758781	0.26784227	0.66995425	0.2818406	0.23473319	0.68174463	0.24746543	0.24746543	blue
0.57120152	0.03144166	0.0884517	0.3862277	0.73897303	0.03926172	0.00061614	0.00061614	turquoise
0.81509096	0.25347806	0.00011321	0.8545865	0.19329956	0.02650595	0.54830572	0.54830572	grey
0.88590529	0.07102687	0.24959316	0.2290456	0.99240161	0.52303059	0.00550085	0.00550085	grey
0.10626152	0.42055677	0.10914501	0.3936464	0.80227608	0.27182833	0.22005744	0.22005744	turquoise
0.49056904	0.33914371	0.0587059	0.2135446	0.40960731	0.83713746	0.11503399	0.11503399	turquoise
0.03968391	0.05507198	0.03891611	0.3262946	0.26989174	0.54628436	0.00062712	0.00062712	grey
0.79301733	0.84600059	0.20478453	0.0642257	0.40540677	0.78330215	0.18534978	0.18534978	grey
0.02164571	0.90252568	0.81809994	0.5837671	0.82027725	0.20911064	0.8792394	0.8792394	red
0.58794573	0.93303216	0.94683176	0.784612	0.53350801	0.66962374	0.70316426	0.70316426	turquoise
0.47282699	0.46088555	0.07493925	0.5470286	0.87952024	0.23867311	0.06417869	0.06417869	tan
0.20341968	0.84902614	0.70769688	0.6715345	0.36479576	0.51801765	0.01590761	0.01590761	cyan
0.6027552	0.26323794	0.55720883	0.8118451	0.31748513	0.15098065	0.02226604	0.02226604	blue
0.93022509	0.01471166	0.90473	0.508179	0.83265946	0.71256702	0.02945126	0.02945126	grey
0.07935732	0.42878212	0.22622197	0.7670525	0.44670786	0.07368746	0.00060618	0.00060618	blue
0.51384804	0.53325168	0.00076141	0.990987	0.95167667	0.837487	2.99E-05	2.99E-05	grey
0.26319457	0.75659833	0.1156183	0.5145162	0.90890642	0.41295541	0.57078552	0.57078552	darkgreen
0.10443077	0.85831751	0.81527371	0.2170508	0.8505826	0.49295384	0.12827397	0.12827397	grey
0.62478228	0.5377039	0.94406777	0.6595624	0.71076841	0.75660943	0.0217895	0.0217895	turquoise
0.7695368	0.47190044	0.03850869	0.2769026	0.84593123	0.07679181	0.07836561	0.07836561	turquoise
0.32538555	0.07459475	0.03041372	0.276285	0.29724748	0.22001595	0.03456457	0.03456457	brown
0.06114448	0.21264816	0.30239137	0.4455327	0.53863966	0.82199758	0.04863712	0.04863712	turquoise
0.5449428	0.29698931	0.40343123	0.2580931	0.99187643	0.38480775	0.18290926	0.18290926	grey
0.05799046	0.02732518	0.82054904	0.5520802	0.07349541	0.67916804	0.01732607	0.01732607	blue
0.48369894	0.2855	0.03698104	0.8889065	0.34158416	0.22629547	0.00235869	0.00235869	blue
0.23824108	0.40475854	0.01015221	0.0444801	0.85794396	0.01509251	0.72271862	0.72271862	turquoise
0.42787747	0.40869538	0.01146362	0.1072622	0.85430047	0.55182009	0.32189695	0.32189695	grey
0.72293725	0.09818528	0.27818141	0.3910387	0.91231259	0.68333316	0.0002096	0.0002096	green
0.18329799	0.42776972	0.49219051	0.8837486	0.99008348	0.25805862	0.32794403	0.32794403	red
0.35640912	0.99787398	4.88E-05	0.0475973	0.38600297	0.00526302	0.47614444	0.47614444	turquoise
0.43416248	0.00294835	0.07804269	0.6933695	0.92673667	0.22660736	2.75E-10	2.75E-10	brown
0.32748653	0.16509574	0.02097746	0.802974	0.97161415	0.78587194	0.00876384	0.00876384	green
0.13508363	0.19087064	0.22448087	0.4466796	0.94517695	0.88353876	0.00365204	0.00365204	grey
0.53062961	0.14010531	0.19104715	0.9454772	0.82578581	0.50678245	0.14471688	0.14471688	black
0.49534659	0.66163158	0.18381516	0.912608	0.12442455	0.3979787	0.09528517	0.09528517	green
0.03884231	0.04710174	0.87984855	0.2483719	0.24360668	0.28195145	2.84E-09	2.84E-09	blue
0.07284948	0.01443675	0.00382911	0.3016013	0.97627101	0.36109836	1.14E-06	1.14E-06	brown

0.7286382	0.00617675	0.01022428	0.939079	0.9706282	0.66717094	8.43E-27	8.43E-27	yellow
0.77187521	0.82918582	0.91894335	0.3050376	0.83318379	0.49982462	0.68285745	0.68285745	darkgreen
0.60345369	0.62837179	0.71979129	0.6527374	0.66353124	0.14303449	0.0020188	0.0020188	grey
0.71918267	0.00297849	0.07558454	0.0953278	0.35866649	0.38668246	0.0001008	0.0001008	turquoise
0.61944553	0.56449901	0.28007478	0.4297675	0.00279029	0.67949137	0.02863449	0.02863449	grey
0.01148392	0.19456277	0.06766789	0.2169658	0.19064941	0.049182	0.02287507	0.02287507	grey
0.22338992	0.06576564	0.00169363	0.048435	0.88497146	0.01359653	0.00186067	0.00186067	turquoise
0.10729136	0.92375966	0.03195615	0.2848276	0.61841294	0.16507465	0.00424983	0.00424983	turquoise
0.74904598	0.70332476	0.69825602	0.6930552	0.19492662	0.25511486	0.08011993	0.08011993	blue
0.01480307	0.35361633	0.27663537	0.7824803	0.98855148	0.88151212	1.68E-07	1.68E-07	grey
0.2529835	0.00295482	0.24640622	0.5814151	0.05691948	0.79173066	2.08E-06	2.08E-06	blue
0.79842239	0.01267889	0.20823989	0.1521464	0.96911726	0.16099301	0.07580681	0.07580681	grey
0.22049131	0.9176743	0.95046255	0.1302505	0.13145746	0.23850964	0.31295352	0.31295352	purple
0.44988386	0.16173026	0.05230965	0.411164	0.37255455	0.15435156	0.32272337	0.32272337	grey
0.33740808	0.91261488	0.00295134	0.1158146	0.72956606	0.04389624	0.5826293	0.5826293	pink
0.00282296	0.41893032	0.48990154	0.8816584	0.98680587	0.32664945	0.00017646	0.00017646	blue
0.80530964	0.54438953	0.05841642	0.448309	0.98599295	0.12147432	0.00370107	0.00370107	turquoise
0.42965854	0.03023236	0.17352047	0.6026301	0.27496732	0.17586581	1.21E-08	1.21E-08	grey60
0.42632422	0.78099479	4.36E-05	0.4245258	0.51008212	0.06610684	0.00200308	0.00200308	green
0.50224296	0.00492194	0.02685201	0.2985028	0.45928826	0.98971649	5.12E-10	5.12E-10	green
0.39502335	0.67068217	0.57068913	0.7484849	0.14480238	0.22147236	0.35512483	0.35512483	blue
0.98582971	0.05183652	0.40408231	0.673564	0.44665053	0.22852757	1.83E-07	1.83E-07	turquoise
0.25126268	0.71464537	0.34482411	0.4400053	0.01537307	0.15560838	0.39402291	0.39402291	blue
0.37989102	0.64494772	0.90707676	0.2077219	0.61971326	0.1232495	0.00143076	0.00143076	grey
0.05013564	0.09994319	0.70746452	0.2440571	0.39007803	0.98562124	0.00080931	0.00080931	grey
0.15663532	0.10847135	0.50491298	0.6844282	0.0181337	0.83733595	0.28859124	0.28859124	grey
0.15325111	0.83427197	0.78682338	0.5071223	0.09121435	0.89310143	0.00889948	0.00889948	grey
0.05366504	0.02130979	0.2309395	0.3168794	0.7290942	0.18150992	0.0802842	0.0802842	grey
0.22986047	0.17755393	0.63164849	0.4977941	0.42294239	0.69149277	0.8662524	0.8662524	turquoise
0.54630983	0.23284048	0.06243137	0.9685474	0.64551391	0.15138978	0.55715135	0.55715135	grey
0.50861664	0.46473175	0.15895716	0.7056893	0.67519395	0.80770348	1.89E-10	1.89E-10	yellow
0.56859467	0.46881407	0.32035822	0.2044807	0.36408043	0.28292867	0.40206281	0.40206281	turquoise
0.88103518	0.00195444	0.16508493	0.5217797	0.86230104	0.63842116	2.61E-08	2.61E-08	brown
0.4689798	0.30333573	0.30396681	0.0737119	0.98544296	0.85555848	0.02567872	0.02567872	blue
0.59709015	0.05589232	0.97351356	0.6680469	0.94446483	0.22526262	0.09271	0.09271	turquoise
0.69968442	0.04679501	0.47913576	0.5759452	0.44615367	0.72402752	0.00012988	0.00012988	blue
0.98969709	0.95381047	0.30333081	0.8970293	0.52773467	0.98923836	0.34779607	0.34779607	grey
0.39459995	0.04433634	0.54117367	0.693474	0.93961886	0.80588577	0.26023381	0.26023381	turquoise
0.75736828	0.82874652	0.08471186	0.4055377	0.46806508	0.50980202	0.11081856	0.11081856	grey
0.50799833	0.53510041	0.92975275	0.8648851	0.31004195	0.54354538	3.45E-06	3.45E-06	turquoise
0.21120686	0.25455983	0.00798423	0.0005724	0.79204297	0.04960562	0.38117351	0.38117351	turquoise
0.0364656	0.52484929	0.30141341	0.8364396	0.08788289	0.60101673	0.01051257	0.01051257	grey
0.4813645	0.48433359	0.09415282	0.0152457	0.88586549	0.7165695	0.94254045	0.94254045	lightcyan
0.45471087	0.19523968	0.02482676	0.2102212	0.80631754	0.10564754	0.00133641	0.00133641	green
0.64148659	0.74615961	0.98266702	0.3282366	0.73899556	0.35500915	0.43385044	0.43385044	blue
0.37518754	0.15601019	0.12477491	0.6494912	0.46207221	0.47235733	0.00023227	0.00023227	blue
0.77293669	0.41421455	0.02447006	0.226292	0.5336787	0.08356451	0.5307733	0.5307733	turquoise
0.3651258	0.93159809	0.08228447	0.3312025	0.33520947	0.11234442	0.3112942	0.3112942	turquoise
0.59343503	0.4734379	0.00206972	0.376015	0.62019431	0.17871903	0.37226601	0.37226601	pink
0.53136631	0.16770617	6.17E-05	0.1103848	0.87763211	0.04058747	0.04223787	0.04223787	turquoise
0.97429988	0.89590414	0.04118558	0.4807292	0.93975178	0.42478267	1.51E-21	1.51E-21	yellow
0.24356045	0.1143673	0.48983962	0.797279	0.56570373	0.56758464	1.42E-05	1.42E-05	brown
0.00754627	0.60705965	0.22478298	0.0440459	0.5885877	0.14230514	0.09033564	0.09033564	turquoise
1.29E-13	0.30272704	0.65231311	0.1741453	0.34512218	0.44360195	0.36153688	0.36153688	grey
0.14784072	0.46546407	0.08821384	0.7757036	0.35416869	0.44519263	0.04173251	0.04173251	grey
0.90824276	0.05968741	0.96473379	0.2008973	0.8720671	0.42439468	4.08E-12	4.08E-12	yellow
0.94952753	0.32230985	0.55839474	0.2181385	0.47832231	0.62905902	1.55E-10	1.55E-10	turquoise
0.74637911	0.13847656	0.02525112	0.7697003	0.93858116	0.47013025	0.00612059	0.00612059	turquoise
0.23723239	0.0680298	0.74181049	0.6955546	0.53588075	0.27207007	0.03189094	0.03189094	grey
0.29317136	0.28732078	0.43395277	0.2733554	0.63764908	0.23177005	0.01171057	0.01171057	blue
0.02996619	0.45891602	0.92961466	0.6784562	0.79904455	0.83732219	3.52E-06	3.52E-06	grey

0.72261177	0.03704822	0.10355422	0.2377934	0.63938136	0.01312416	2.36E-06	2.36E-06	blue
0.49164392	0.15751155	0.00243857	0.2012271	0.9384354	0.63837206	0.00025187	0.00025187	green
0.96355805	0.03670712	0.39081571	0.3716407	0.57787859	0.23748817	0.3970447	0.3970447	grey
0.42494144	0.9419184	0.01571753	0.0253845	0.67209776	0.13741944	0.1135115	0.1135115	turquoise
0.07316868	0.02725296	0.0712688	0.3557383	0.96015733	0.12980448	0.0004577	0.0004577	blue
0.6232047	0.99347894	0.00427749	0.0907695	0.05425641	0.44918643	0.00121773	0.00121773	brown
0.83103322	0.67294676	5.95E-06	0.064471	0.22218768	0.31727896	8.84E-06	8.84E-06	magenta
0.85513746	0.25100371	0.11978687	0.5296372	0.66039476	0.62686453	0.00021214	0.00021214	blue
0.20725761	0.05403711	0.93879514	0.2637353	0.60716562	0.99997523	0.0004873	0.0004873	blue
0.35259397	0.73811546	0.33553885	0.8392766	0.85140955	0.65115482	1.60E-05	1.60E-05	blue
0.57267447	0.02025662	0.25987912	0.3088263	0.6230852	0.80783705	0.00962722	0.00962722	grey
0.99181954	0.65868275	0.14452792	0.997947	0.83589543	0.1999753	5.16E-05	5.16E-05	blue
0.14196772	0.3436861	0.07188961	0.3608896	0.54670961	0.14513567	0.00175481	0.00175481	turquoise
0.74738603	0.93520731	0.1258855	0.3664535	0.63601018	0.68179476	0.37519744	0.37519744	turquoise
0.77919744	0.32904686	0.10461281	0.5662092	0.57260645	0.68877174	0.03544649	0.03544649	grey
0.03997444	0.40154554	0.7650177	0.2857362	0.32216593	0.33228118	0.14890964	0.14890964	grey
0.70874491	0.02127528	0.96696238	0.4935433	0.56458941	0.49466888	0.11980755	0.11980755	grey
0.15851869	0.38868877	0.16744025	0.8102477	0.76978619	0.85328652	1.36E-24	1.36E-24	yellow
0.1450575	0.00354663	0.67529709	0.3858832	0.66500092	0.76535096	0.12889809	0.12889809	grey60
0.64774043	0.24782833	0.26962779	0.8353937	0.88056907	0.8218508	0.11114112	0.11114112	blue
0.13003865	0.25291178	0.57964312	0.8338309	0.73933844	0.36626456	0.7596677	0.7596677	black
0.18708124	0.17869191	0.11020572	0.6854336	0.77314277	0.70799228	0.50780338	0.50780338	blue
0.81754462	0.05311065	0.41135604	0.04913	0.93810636	0.74845125	0.00292813	0.00292813	grey
0.07147872	0.03043956	0.35751961	0.091016	0.76280067	0.92007544	0.14606368	0.14606368	blue
0.09847268	0.88413015	0.27690274	0.634678	0.7149765	0.57383469	0.75622945	0.75622945	grey
0.47178554	0.90415171	0.03280883	0.5872489	0.88633385	0.28946264	0.11273113	0.11273113	black
0.7692683	0.02593123	0.80944783	0.3251099	0.35493482	0.94397624	0.00027722	0.00027722	grey
0.4448806	0.05601565	0.16429595	0.840205	0.8369615	0.47389536	0.04710907	0.04710907	turquoise
0.71069185	0.68874119	0.4873637	0.5843349	0.90150712	0.70400687	3.95E-05	3.95E-05	green
0.33911691	0.21315215	0.00201281	0.1573171	0.10938449	0.00672665	0.17785742	0.17785742	green
0.05337921	0.11559996	0.38245222	0.5946382	0.16244479	0.01086112	0.03757682	0.03757682	grey
0.70615555	0.85524119	0.18822702	0.1890672	0.84921235	0.75242024	0.37507793	0.37507793	turquoise
0.33633466	0.0119885	0.09814052	0.0768516	0.91728634	0.0467639	0.00033305	0.00033305	brown
0.36040287	0.14821938	0.05877221	0.6546995	0.9552293	0.13465957	0.00023799	0.00023799	turquoise
0.42014567	0.41914403	0.12166036	0.6247747	0.42873594	0.2698188	0.07660626	0.07660626	blue
0.00883398	0.47392294	0.59240579	0.0412981	0.67396583	0.44373745	0.55339703	0.55339703	grey
0.45528745	0.01742093	0.52883848	0.7580174	0.41497104	0.48017023	0.00316329	0.00316329	blue
0.64449647	0.00047846	0.00457586	0.3127722	0.71299349	0.69930473	5.45E-16	5.45E-16	brown
0.99799683	0.00306694	0.94998358	0.0888779	0.55827326	0.3721109	0.08180476	0.08180476	grey
0.31902622	0.22803804	0.00704173	0.0314147	0.92184212	0.16666915	1.12E-08	1.12E-08	yellow
0.95899854	0.96550239	4.48E-06	0.1139673	0.91440063	0.08450403	0.47234963	0.47234963	turquoise
0.31779338	0.00917818	0.20865429	0.3929377	0.61022844	0.87516335	0.10699007	0.10699007	greenyellow
0.06582433	0.91386114	0.66500434	0.0285036	0.4523207	0.1106446	0.04357238	0.04357238	turquoise
0.80609511	0.01180834	0.00186341	0.0560155	0.10053255	0.42979535	8.67E-21	8.67E-21	brown
0.43734889	0.48704937	0.43248416	0.181898	0.55613051	0.85486873	0.33842437	0.33842437	grey
0.71998306	0.99561585	0.37692805	0.4993591	0.90310095	0.13516384	0.00186278	0.00186278	turquoise
0.1030516	0.08586922	0.82603309	0.3539792	0.48152453	0.47708667	1.40E-07	1.40E-07	blue
0.65227624	0.82008773	0.29781786	0.716844	0.09936916	0.46612611	0.35264291	0.35264291	pink
0.51215985	0.38843415	0.16624729	0.6250802	0.96161617	0.3022466	0.08806411	0.08806411	grey60
0.17018254	0.21525512	0.744929	0.342755	0.20571858	0.22232227	0.85356274	0.85356274	purple
0.93420397	0.00359923	0.49762912	0.4178575	0.54474953	0.58606535	1.27E-09	1.27E-09	brown
0.57548579	0.00900164	0.08754098	0.0481284	0.18222838	0.00248557	0.07699225	0.07699225	blue
0.62303054	0.63697392	0.00697072	0.3672947	0.31508434	0.57614275	0.28205084	0.28205084	turquoise
0.08462489	0.65547912	0.36264155	0.6015415	0.70841764	0.29943723	0.9220947	0.9220947	grey
0.27974666	0.21441071	0.06789828	0.7317107	0.44550888	0.5623973	0.0084174	0.0084174	blue
0.62231636	0.05599604	0.08036682	0.2021827	0.73459004	0.08474094	6.11E-05	6.11E-05	turquoise
0.04635311	0.02039665	0.40528253	0.7796845	0.84429135	0.71466642	0.04333925	0.04333925	turquoise
0.78851703	0.0907204	0.0030437	0.3716796	0.70530997	0.32464794	0.00214278	0.00214278	turquoise
0.43004747	0.8647215	0.18205945	0.1565812	0.39705658	0.14647479	0.20191341	0.20191341	grey
0.77127055	0.89041775	0.0054712	0.0582314	0.60090508	0.04908074	0.51128164	0.51128164	turquoise
0.30832108	0.34398336	0.99283991	0.459499	0.86819723	0.91229519	0.01840987	0.01840987	yellow

0.88224483	0.29566549	0.17517743	0.1656121	0.51038594	0.52508162	0.0200676	0.0200676	midnightblue
0.03389225	0.0002951	0.10693573	0.068296	0.20088542	0.22110642	0.00447989	0.00447989	turquoise
0.81269519	0.00452438	0.00073012	0.0906124	0.30633464	0.12695727	6.75E-23	6.75E-23	yellow
0.21668415	0.00606748	0.17308708	0.9822904	0.86855217	0.27100459	3.77E-11	3.77E-11	brown
0.91849086	0.42047629	0.02634919	0.9807248	0.52726142	0.0652074	0.00041345	0.00041345	grey
0.61687598	0.00887255	0.36330943	0.4832094	0.88519813	0.71321121	1.20E-11	1.20E-11	brown
0.6691285	0.11853143	0.25674883	0.368854	0.62116112	0.86427088	1.91E-05	1.91E-05	brown
0.58249342	0.01181589	0.01072883	0.4125216	0.69985542	0.2467866	4.65E-06	4.65E-06	grey
0.91888747	0.08119619	0.96307836	0.8506496	0.19702866	0.59390986	0.03800442	0.03800442	blue
0.54318567	0.31099745	0.26131658	0.1408421	0.57302358	0.99095669	0.41461203	0.41461203	grey
0.72228907	0.04237916	0.32040496	0.6953003	0.29202467	0.50506782	0.0005637	0.0005637	grey
0.42916969	0.1801888	0.82520288	0.689474	0.29629737	0.46432825	0.17274783	0.17274783	blue
0.81717913	0.01863133	8.91E-05	0.2023554	0.6401206	0.51742539	4.71E-07	4.71E-07	brown
0.93031212	0.12082105	0.27377153	0.924297	0.31206789	0.08158791	0.26377774	0.26377774	turquoise
0.8131534	0.00432442	0.02033465	0.3170837	0.61879305	0.17896938	1.96E-16	1.96E-16	brown
0.51467336	0.08598241	0.27525981	0.9168928	0.43696597	0.20734641	0.00151674	0.00151674	darkorange
0.09123463	0.68909307	0.04915969	0.2597818	0.52270824	0.2754098	0.71619466	0.71619466	turquoise
0.39342906	0.38139569	0.00437234	0.4068926	0.27999664	0.45795558	0.99932911	0.99932911	turquoise
0.65274586	0.05173285	0.45104168	0.7402734	0.59456335	0.16697848	0.00061613	0.00061613	brown
0.36529844	0.83218043	0.0447487	0.1372552	0.55915798	0.02550668	0.37071142	0.37071142	turquoise
0.97455311	0.94221806	0.0758278	0.3271582	0.56310547	0.01093819	0.30268323	0.30268323	turquoise
0.16469374	0.04989956	0.14258256	0.7344712	0.42057598	0.05316134	1.80E-06	1.80E-06	turquoise
0.2261389	0.35051035	0.09603361	0.3441698	0.85013535	0.19609841	0.32150074	0.32150074	turquoise
0.02564084	0.07172268	0.00908182	0.4703532	0.10854656	0.14062787	0.74204613	0.74204613	grey
0.88406713	0.01297488	0.00257084	0.0839544	0.75366486	0.89577893	9.00E-44	9.00E-44	yellow
0.30192738	0.06038956	0.31412653	0.7677138	0.78014608	0.93259199	1.39E-09	1.39E-09	brown
0.51620497	0.02752981	0.72458178	0.7607364	0.55959271	0.29362453	4.43E-05	4.43E-05	blue
0.39939517	0.95708416	0.70306798	0.0619014	0.55744634	0.06704676	0.00596707	0.00596707	turquoise
0.30110117	0.83702428	0.48818736	0.6705151	0.49621833	0.6922071	0.44558213	0.44558213	turquoise
0.73359869	0.00403173	0.65927241	0.5410091	0.78308798	0.20200137	1.00E-05	1.00E-05	blue
0.22087312	0.76147607	0.79013693	0.0160702	0.61716494	0.04817691	0.66558957	0.66558957	salmon
0.58751937	0.6012203	0.05482697	0.827439	0.9411882	0.06162015	0.10521958	0.10521958	blue
0.25681162	0.0737547	0.32777059	0.2604528	0.8635182	0.71536058	0.53101516	0.53101516	turquoise
0.45932682	0.44197138	0.03804844	0.3408175	0.37077307	0.44002406	0.22002247	0.22002247	turquoise
0.48694729	6.55E-05	0.26096938	0.7094419	0.85012968	0.59134804	2.50E-11	2.50E-11	brown
0.00293612	0.02734135	0.02264434	0.0632331	0.57647775	0.19871072	0.26592876	0.26592876	greenyellow
0.6101458	0.06340164	0.2775923	0.0713395	0.79045943	0.03808268	0.56770921	0.56770921	grey
0.28788362	0.78705949	0.62567414	0.9762514	0.12487948	0.22314593	0.87332769	0.87332769	turquoise
0.80768548	0.69767983	0.69324242	0.7689806	0.24229314	0.19583474	0.30440602	0.30440602	grey
0.12442151	0.14513072	0.88842779	0.1441418	0.79838075	0.81940934	0.00013857	0.00013857	blue
0.54143086	0.97714445	0.86849828	0.4103842	0.98677663	0.69425633	0.07681093	0.07681093	blue
0.34793889	0.29049242	0.29582652	0.6804442	0.48091576	0.78168777	0.14351361	0.14351361	royalblue
0.59552884	0.13273611	0.98431399	0.7579771	0.99402187	0.55092743	4.58E-07	4.58E-07	grey
0.50666359	0.75722307	0.32559472	0.5593543	0.67934408	0.39447471	0.00111901	0.00111901	black
0.83610208	0.33617451	0.37043666	0.677209	0.34993818	0.31410207	0.00576546	0.00576546	turquoise
0.25958061	0.67802323	0.04192102	0.454131	0.2377093	0.19037536	0.1494864	0.1494864	turquoise
0.37362189	0.47790472	0.00090067	0.032685	0.56061063	0.02039148	0.00173582	0.00173582	turquoise
0.42403357	0.64773465	0.80577711	0.0908822	0.7517934	0.18617531	0.20014058	0.20014058	turquoise
0.07465891	0.59834488	0.70272362	0.9951796	0.88705295	0.10898146	0.10128307	0.10128307	grey
0.79918684	0.38432821	0.16785179	0.1734314	0.80296295	0.34495728	0.74125851	0.74125851	grey
0.02818315	0.12303166	0.21897212	0.4686852	0.58464453	0.35203638	4.69E-05	4.69E-05	blue
0.93971457	0.56552431	0.94415061	0.2063358	0.88388089	0.88181492	0.05277658	0.05277658	grey
0.08835768	0.08136302	0.37995517	0.8075282	0.83238008	0.38991396	4.43E-05	4.43E-05	turquoise
0.37180221	0.88635445	0.01979384	0.3107224	0.4154226	0.42177465	0.00054719	0.00054719	pink
0.08522165	0.02898298	0.6518723	0.8391486	0.5310977	0.88624424	0.46207061	0.46207061	grey
0.82910792	0.40006632	0.52026351	0.4321381	0.74188472	0.18917432	7.90E-06	7.90E-06	turquoise
0.00097632	0.78083946	0.56966848	0.1994388	0.90173831	0.27436376	0.04236658	0.04236658	grey
0.38042313	0.33288137	0.21880786	0.507503	0.01748291	0.14341515	0.00489631	0.00489631	turquoise
0.65474314	0.53872227	0.0431399	0.9057731	0.52285477	0.13450098	2.51E-07	2.51E-07	blue
0.21244402	0.00522823	0.1638818	0.9192871	0.86111417	0.52286798	2.72E-11	2.72E-11	brown
0.610169	0.79461522	0.00146729	0.7483656	0.31400007	0.3172766	0.14806561	0.14806561	turquoise

0.90094905	0.04184931	0.01701052	0.2583228	0.94087909	0.33230265	6.78E-15	6.78E-15	yellow
0.38364529	0.12695031	0.77650359	0.2955979	0.64669627	0.67480027	0.26998671	0.26998671	grey
0.29071652	0.13534919	0.91136098	0.4700762	0.33746305	0.29580852	0.00013943	0.00013943	grey
0.26465978	0.75277132	0.94686366	0.4158019	0.03951146	0.11514714	0.14359504	0.14359504	grey
0.35297019	0.01713309	0.00736825	0.5876835	0.87750709	0.34534796	1.62E-36	1.62E-36	yellow
0.37382547	0.24131516	0.0026883	0.0070525	0.25508496	0.14357869	2.57E-15	2.57E-15	yellow
0.85770941	0.91456956	0.26156672	0.1173223	0.55115612	0.24908737	0.45664537	0.45664537	grey
0.17262928	0.66770036	0.80900876	0.8913236	0.11306134	0.09410683	0.10770403	0.10770403	grey
0.4085874	0.00379305	0.04798351	0.475248	0.68167396	0.41935467	0.08742336	0.08742336	pink
0.01786248	0.43262687	0.08365282	0.4841573	0.31869773	0.69298761	0.08018589	0.08018589	cyan
0.70417732	0.37732874	0.21771849	0.7934587	0.97732168	0.71976729	0.08583172	0.08583172	lightcyan
0.22026771	0.13902086	0.339265	0.0261022	0.95919982	0.18992503	0.54322128	0.54322128	grey
0.10668941	0.16968538	0.0752911	0.8626639	0.53623246	0.82752631	0.01885779	0.01885779	blue
0.43577905	0.60914823	0.88147159	0.9029192	0.72564201	0.28221126	0.00042412	0.00042412	grey
0.02114676	0.26847212	0.46087687	0.8280197	0.90297854	0.90032187	1.38E-07	1.38E-07	turquoise
0.50397472	0.18203567	0.3141371	0.4093493	0.37542114	0.16691478	2.03E-07	2.03E-07	turquoise
0.38316368	0.96790821	0.95518466	0.2801064	0.52950546	0.48149209	0.13113361	0.13113361	grey
0.36051239	0.12091193	0.6596428	0.2816483	0.79643824	0.40624502	9.36E-07	9.36E-07	lightyellow
0.712826	0.39355833	0.54166003	0.9634751	0.73294754	0.17356167	6.52E-05	6.52E-05	blue
0.1092082	0.32472469	0.25674211	0.3192797	0.34953257	0.00693551	3.61E-09	3.61E-09	blue
0.76812209	0.38720631	0.69339561	0.2763182	0.23057337	0.00754094	0.64207926	0.64207926	turquoise
0.90664925	0.13309666	0.43429533	0.2531112	0.9636865	0.81261236	0.01957562	0.01957562	blue
0.1129259	0.44692264	0.41905807	0.9482538	0.91888108	0.43839739	0.04857949	0.04857949	red
0.676525	0.86743306	0.01058896	0.0048283	0.69306541	0.00779079	0.00250871	0.00250871	turquoise
0.56275653	0.35110822	0.427087	0.7253639	0.6613458	0.83064783	0.61453397	0.61453397	turquoise
0.279133	0.97625754	0.2646425	0.5358021	0.1670704	0.9346881	1.61E-07	1.61E-07	grey
0.40540825	0.00909934	0.23803447	0.0486698	0.96583022	0.97044859	0.00714291	0.00714291	turquoise
0.66727018	0.96396024	0.00476123	0.236358	0.98874588	0.43573708	7.63E-06	7.63E-06	green
0.76555004	0.33744433	0.00111337	0.0538396	0.87126112	0.00792857	0.80395884	0.80395884	turquoise
0.77541155	0.36957047	0.21819629	0.4562413	0.99977338	0.35728268	0.00055908	0.00055908	turquoise
0.10111908	0.17887145	0.3225239	0.7542672	0.67988562	0.26547413	8.46E-07	8.46E-07	blue
0.61733844	0.78647478	0.00046118	0.3994232	0.98745584	0.31655831	0.17354063	0.17354063	grey
0.29718373	0.56893389	0.07087921	0.2456176	0.45414339	0.2758295	0.54246494	0.54246494	turquoise
0.74083985	0.23439488	7.83E-05	0.0416889	0.52232885	0.13423014	1.89E-15	1.89E-15	magenta
0.33419778	0.79618287	0.60941425	0.711281	0.59256185	0.9047734	0.59425304	0.59425304	grey
0.12640195	0.70244998	0.4075425	0.7715149	0.88285457	0.27023023	0.19883656	0.19883656	grey
0.02367857	0.4118006	0.31028033	0.0751874	0.9959247	0.43601131	3.87E-06	3.87E-06	grey
0.99347378	0.05097134	0.07705149	0.0699442	0.34731982	0.15003997	0.14362003	0.14362003	turquoise
0.48139597	0.69039217	0.3362576	0.4403501	0.36645103	0.48018818	0.23125703	0.23125703	grey
0.04165725	0.30955225	0.25092023	0.9578472	0.8037623	0.4805615	0.13346466	0.13346466	red
0.65171422	0.87601107	0.77533925	0.1636196	0.79503497	0.36596776	0.00112776	0.00112776	turquoise
0.07829784	0.25684459	0.04303891	0.0067218	0.62623577	0.16504373	0.00031742	0.00031742	grey
0.9527901	0.20999402	0.48702721	0.5340596	0.34288277	0.46353107	0.06088272	0.06088272	grey
0.96250448	0.049131	0.08603851	0.4939012	0.15061949	0.3168801	6.21E-05	6.21E-05	turquoise
0.85033856	0.0007679	0.02751417	0.0075638	0.32480106	0.09393347	0.01115609	0.01115609	grey
0.36660072	0.97531245	0.07748645	0.3645903	0.30281562	0.52513632	0.03545817	0.03545817	turquoise
0.86548393	0.41995557	3.39E-08	0.0121201	0.96009061	0.06204015	0.08635748	0.08635748	magenta
0.28663089	0.36702425	0.01963311	0.2805283	0.82076	0.22548398	0.36903925	0.36903925	turquoise
0.23854794	0.0299401	0.30616458	0.5315036	0.87001634	0.74741137	1.72E-07	1.72E-07	brown
0.60396455	0.03109888	0.154061	0.2049949	0.96432985	0.97779724	1.23E-09	1.23E-09	brown
0.24468596	0.74819484	0.21807679	0.6632763	0.08301492	0.68376394	0.01396414	0.01396414	grey
0.92977658	0.93980112	0.00018728	0.1035024	0.35500284	0.16509332	4.23E-08	4.23E-08	magenta
0.60595307	0.29556707	0.01970944	0.2643404	0.50205156	0.03992477	0.01286435	0.01286435	turquoise
0.54402098	0.10940845	0.00164075	0.1127199	0.88663258	0.32717345	4.13E-11	4.13E-11	green
0.49428442	0.53606082	0.75426392	0.1949614	0.46526373	0.86080061	0.21167395	0.21167395	greenyellow
0.47790261	0.92081778	0.52004275	0.8150837	0.80852306	0.34229631	0.37997763	0.37997763	grey
0.85790852	0.99802757	0.00083571	0.0450827	0.58325159	0.48751251	0.43183553	0.43183553	magenta
0.03448822	0.87875243	0.84605851	0.8446345	0.66876036	0.99085161	0.10939159	0.10939159	grey
0.57366759	0.78412008	0.02220042	0.8042629	0.99557924	0.78844105	6.28E-05	6.28E-05	magenta
0.61850735	0.42362468	0.73976859	0.9554293	0.61116895	0.49472135	0.06521584	0.06521584	black
0.75186934	0.0028083	0.01909913	0.564318	0.56975159	0.40368037	6.68E-12	6.68E-12	blue

0.59612023	0.29787828	0.0039935	0.0836482	0.23144137	0.13219957	0.16901752	0.16901752	turquoise
0.02412673	0.08757292	0.89470025	0.3452803	0.48329872	0.11067989	0.13722696	0.13722696	turquoise
0.08703407	0.38285816	0.5555454	0.5476597	0.6537643	0.74060671	0.00276617	0.00276617	brown
0.16928035	0.67760273	0.5878609	0.1112759	0.72424323	0.01765347	0.72775694	0.72775694	lightyellow
0.95188661	0.4551805	0.01889499	0.0090436	0.08045259	0.14044267	0.46126538	0.46126538	turquoise
0.00215552	0.24668746	0.88697352	0.364923	0.42318361	0.48436432	9.22E-05	9.22E-05	grey
0.27119644	0.82399357	0.04054113	0.1938165	0.5595442	0.09942327	0.03019734	0.03019734	turquoise
0.53796498	0.4501752	0.00290796	0.4631265	0.36149859	0.15996812	0.06193503	0.06193503	blue
0.02458457	0.41500329	0.01408485	0.9064998	0.71626322	0.04312663	0.08324323	0.08324323	turquoise
0.81416027	0.82511094	0.38573832	0.2460855	0.25515771	0.66591382	0.00120174	0.00120174	grey
0.72697619	0.06425286	0.05498139	0.0109123	0.82297756	0.02007557	0.11358223	0.11358223	turquoise
0.45724199	0.37590174	0.1766577	0.5825392	0.72332856	0.17458581	0.20290269	0.20290269	grey
0.20959735	0.08549253	0.76295873	0.7939133	0.90836195	0.89489222	0.87349727	0.87349727	turquoise
0.75169954	0.00975324	0.06948075	0.1465119	0.87928741	0.88626718	5.11E-13	5.11E-13	brown
0.69188368	0.2445933	0.01836939	0.6437969	0.42722983	0.20366989	0.00108989	0.00108989	blue
0.3787624	0.04592467	0.63123858	0.5894333	0.4585753	0.32313025	0.01659929	0.01659929	grey
0.16884303	0.00413272	0.45147302	0.1974996	0.65249557	0.48923513	2.28E-07	2.28E-07	yellow
0.05006331	0.39618065	0.05448413	0.5711869	0.43049117	0.34138107	0.00246544	0.00246544	turquoise
0.06525504	0.94253238	0.7894268	0.6934281	0.23901848	0.64914185	0.14163727	0.14163727	grey
0.77107249	0.00251689	0.86277744	0.228535	0.65954756	0.7532506	0.00120424	0.00120424	turquoise
0.26528396	0.25704597	0.61243274	0.9536578	0.28446734	0.80955878	4.44E-09	4.44E-09	grey
0.9334754	0.29012363	0.82064539	0.5471256	0.34688323	0.90342025	7.83E-06	7.83E-06	green
0.30247804	0.55319494	0.79090493	0.6808883	0.9923083	0.12297463	6.86E-07	6.86E-07	blue
0.7979229	0.83578646	0.24816816	0.9027658	0.85779934	0.76803873	7.47E-05	7.47E-05	grey
0.26719103	0.39655844	0.00596669	0.2441509	0.62742187	0.10015254	1.58E-07	1.58E-07	yellow
0.31219008	0.17582293	0.07555636	0.0153446	0.2648312	0.03911723	0.32630639	0.32630639	turquoise
0.6646799	0.00742163	0.27140283	0.5828628	0.64859002	0.51735026	0.03357853	0.03357853	black
0.93455852	0.00196534	0.83791923	0.4158395	0.16731052	0.38639043	0.00075107	0.00075107	grey
0.6744462	0.07649223	0.53884163	0.5996286	0.74281987	0.95941388	1.68E-05	1.68E-05	brown
0.08620139	0.32570032	0.15426962	0.8945877	0.56959283	0.40077451	0.80050087	0.80050087	turquoise
0.53225377	0.06691056	0.62525029	0.5341209	0.82002134	0.3544525	0.3558385	0.3558385	grey
0.55012377	0.99903197	0.42010066	0.3242638	0.36383575	0.69529666	0.56137214	0.56137214	purple
0.27972817	0.79841374	0.88284863	0.5097082	0.47857089	0.81725393	0.62968462	0.62968462	grey
0.16110407	0.9901078	0.21070883	0.6738309	0.1299778	0.42847531	0.30120708	0.30120708	grey
0.74153175	0.00673171	0.00016958	0.162176	0.85361924	0.91486372	3.84E-21	3.84E-21	brown
0.75509936	0.18963898	0.12724542	0.1741637	0.58037951	0.0475205	0.13709363	0.13709363	turquoise
0.22067425	0.80466107	0.00012476	0.0343805	0.38179228	0.00956008	0.05495829	0.05495829	grey
0.54993136	0.53160765	0.01923889	0.2506142	0.73088662	0.06061161	0.06375953	0.06375953	turquoise
0.20550791	0.25604156	0.32252539	0.2731231	0.57950576	0.07455134	5.40E-08	5.40E-08	blue
0.00487241	0.65703696	0.07895233	0.8227566	0.0732666	0.73056997	0.50278704	0.50278704	grey
0.6563606	0.00471019	0.95584246	0.8873836	0.73522364	0.3665158	0.40246108	0.40246108	salmon
0.22778938	0.50525901	0.23072486	0.784234	0.97182122	0.56184072	0.91092331	0.91092331	blue
0.00925407	0.75245638	0.15453167	0.5605681	0.91142296	0.68632154	0.04076727	0.04076727	grey
0.39465701	0.67943085	0.29736605	0.1546324	0.57834074	0.22223248	0.15958735	0.15958735	turquoise
0.80967131	0.20588478	0.00798045	0.3158177	0.92829124	0.14645438	0.08198584	0.08198584	turquoise
0.68308502	0.71590469	0.00492999	0.0793176	0.36531678	0.0871613	0.05721749	0.05721749	turquoise
0.15579328	0.00142718	0.04358951	0.6721991	0.70722417	0.77712854	2.50E-14	2.50E-14	brown
0.75447473	0.71200955	0.89412597	0.6900458	0.36987589	0.64116622	0.7363561	0.7363561	salmon
0.34184255	0.07058536	0.10111445	0.6637709	0.60571893	0.97080886	3.61E-06	3.61E-06	brown
0.12999554	0.40483689	0.95022369	0.0811631	0.61190656	0.27340357	3.43E-08	3.43E-08	yellow
0.14940699	0.00342913	0.00930806	0.6540289	0.66145933	0.67731236	0.00144979	0.00144979	grey
0.26309644	0.00818134	0.1444389	0.5117457	0.97920256	0.34744707	3.00E-06	3.00E-06	brown
0.72598558	0.32644336	0.01435774	0.359974	0.60625559	0.37066428	5.80E-17	5.80E-17	yellow
0.90240291	0.50022186	0.39539074	0.193669	0.6426447	0.71016835	0.34591301	0.34591301	grey
0.16554608	0.04017594	0.83060146	0.5713376	0.33366077	0.71222837	7.06E-07	7.06E-07	grey
0.90775246	0.05387463	1.39E-05	0.0158094	0.33661966	0.31373414	2.86E-21	2.86E-21	yellow
0.991294	0.83113648	0.01926384	0.9780552	0.60160913	0.16383131	0.10194403	0.10194403	green
0.2063553	0.07353239	0.29404913	0.2304596	0.57495613	0.57967571	0.02745955	0.02745955	grey
0.61762326	0.56616403	0.02872715	0.0721671	0.43005664	0.01995988	0.0001196	0.0001196	turquoise
0.59655387	0.00238606	0.0502963	0.1108037	0.95416777	0.19049649	1.88E-07	1.88E-07	turquoise
0.02843917	0.56571017	0.50202256	0.9632759	0.90674101	0.48308344	0.71428876	0.71428876	red

7.57E-07	0.43950422	0.0130769	0.4333062	0.33277805	0.07395192	0.18634719	0.18634719	blue
0.65026728	0.77693645	0.01345278	0.2233433	0.71896162	0.85297563	0.2271408	0.2271408	grey
0.5227405	0.62860582	0.7935266	0.5771244	0.39532093	0.73235765	0.02472162	0.02472162	grey
0.4520144	0.93489342	0.16372387	0.9339522	0.8771541	0.08946862	0.38899711	0.38899711	turquoise
0.84678887	0.58849336	0.15154064	0.0506265	0.8116794	0.21666307	0.22397635	0.22397635	grey
0.67011428	0.5311159	0.2171059	0.0269349	0.54400745	0.30512102	0.00781336	0.00781336	green
0.36015173	0.32211784	0.32256985	0.7337356	0.46541042	0.94346168	0.01621777	0.01621777	blue
0.82145158	0.91573795	0.00305878	0.4061402	0.5359978	0.2528865	0.32659688	0.32659688	turquoise
0.75446728	0.08549222	0.41820351	0.4191924	0.52559109	0.48421646	0.77017834	0.77017834	grey
0.09503202	0.66472653	0.05455298	0.9071101	0.95357658	0.44324206	0.04022085	0.04022085	turquoise
0.36326117	0.16389862	0.31853731	0.0052709	0.73734106	0.24132907	0.91789586	0.91789586	grey
0.86586338	0.44811684	0.27134131	0.4013393	0.83513352	0.22505456	0.41312188	0.41312188	grey
0.38812717	0.84936663	0.13190155	0.2014611	0.78154073	0.33783933	1.03E-05	1.03E-05	turquoise
0.63083217	0.54517243	0.01698436	0.7775903	0.90776214	0.74138159	0.0090773	0.0090773	brown
0.73289577	0.05687914	0.33947619	0.6654592	0.80374408	0.96507904	0.19830145	0.19830145	grey
0.79165813	0.61490333	0.09361507	0.9388793	0.25703847	0.77014543	0.30690705	0.30690705	turquoise
0.78355023	0.86257503	0.11077812	0.0109172	0.8176306	0.00670211	0.60280056	0.60280056	green
0.81850961	0.95241182	0.00894246	0.6603889	0.94215795	0.79677613	0.32374752	0.32374752	turquoise
0.30248168	0.0026642	0.17490988	0.8568565	0.78663019	0.44114562	6.69E-11	6.69E-11	brown
0.00897241	0.10292615	0.3900708	0.6244906	0.62072025	0.39526919	0.92828878	0.92828878	grey
0.49227904	0.00135761	0.02520521	0.9875129	0.17382341	0.63186144	5.17E-13	5.17E-13	brown
0.10523104	0.28269559	0.00190175	0.119723	0.05219767	0.2639165	1.54E-11	1.54E-11	yellow
0.22527607	0.05675742	0.19614783	0.6762115	0.73190115	0.56138277	2.29E-08	2.29E-08	brown
0.25499746	0.61852081	0.60132521	0.7966652	0.79910032	0.8694302	0.8039311	0.8039311	grey
0.59915882	0.01204424	0.75658669	0.9115557	0.766167	0.21857148	0.00091254	0.00091254	grey
0.31051851	0.00940347	0.07918415	0.79202	0.96592841	0.42750819	2.26E-26	2.26E-26	brown
0.01391908	0.10617902	0.2613102	0.911499	0.60671567	0.16767991	0.19679726	0.19679726	skyblue
0.65506906	0.00090478	0.0079877	0.6150861	0.80770761	0.48527043	2.88E-29	2.88E-29	brown
0.80223959	0.02108903	0.04874998	0.4972704	0.44869312	0.14672997	1.01E-05	1.01E-05	blue
0.12893433	0.80653587	0.01266927	0.7964978	0.01922637	0.02636602	0.02111205	0.02111205	turquoise
0.81431254	0.66320805	0.02808626	0.6703099	0.93910254	0.38623771	0.08897474	0.08897474	turquoise
0.24034533	0.66817436	0.06456081	0.8703311	0.28925532	0.38071979	0.56094217	0.56094217	turquoise
0.82058038	0.09118872	0.11709803	0.8279579	0.10912832	0.19021103	0.11555977	0.11555977	blue
0.75767332	0.52380144	0.14094124	0.0919272	0.94690328	0.65753572	0.01039687	0.01039687	darkgreen
0.76939509	0.22369956	0.02021575	0.1792804	0.33079205	0.63959657	0.08015122	0.08015122	turquoise
0.16955703	0.26172374	0.3464995	0.4444777	0.78830361	0.07157455	0.59124673	0.59124673	turquoise
0.92393924	0.45497299	0.19532963	0.9465709	0.18492818	0.17973006	0.68267869	0.68267869	turquoise
0.12777738	0.98342337	0.81966998	0.6513459	0.49111198	0.82023811	0.14200902	0.14200902	grey
0.57899935	0.90142258	0.63833894	0.6222469	0.34026292	0.35688685	0.0478988	0.0478988	turquoise
0.9510713	0.85811957	0.99568961	0.9082629	0.16619229	0.5607477	0.17777473	0.17777473	blue
0.01106287	0.86674919	0.38280565	0.2991946	0.28042688	0.74892278	0.16101668	0.16101668	grey
0.56303087	0.61257999	0.01290219	0.8876932	0.51099181	0.41347616	2.46E-05	2.46E-05	grey
0.28815931	0.80778628	0.00043797	0.0629016	0.62548967	0.16619376	0.00124167	0.00124167	green
0.44211045	0.93675212	0.74966487	0.2257729	0.97942365	0.76808695	0.390693	0.390693	blue
0.13808056	0.53733754	0.75530742	0.9260767	0.17624201	0.12452618	0.06416436	0.06416436	grey
0.1194982	0.03069656	0.34661281	0.9737854	0.83129708	0.70503913	0.0490699	0.0490699	blue
0.18588478	0.07373095	0.1538841	0.5412297	0.41976644	0.92285983	0.00015223	0.00015223	blue
0.33817092	0.2949858	0.75717302	0.9294524	0.44224973	0.59415195	7.86E-08	7.86E-08	grey
0.11712182	0.53095035	0.05655307	0.2532894	0.88172825	0.90791414	0.11965562	0.11965562	grey
0.40932042	0.00975822	0.17642125	0.5790101	0.92209844	0.19133105	0.00727282	0.00727282	black
0.47299957	0.54186078	0.54190069	0.1887305	0.41759767	0.71327705	0.03159048	0.03159048	grey
0.85595394	0.3278396	0.04908298	0.2750712	0.80629852	0.01249046	0.0708388	0.0708388	turquoise
0.28873372	0.08997046	0.09609019	0.9088403	0.50689913	0.21016625	4.72E-39	4.72E-39	yellow
0.84678707	0.69065222	0.65692392	0.9312442	0.57110786	0.9408582	0.00214028	0.00214028	grey
0.22872117	0.7416349	0.40594518	0.0552871	0.40454719	0.28116607	0.79579507	0.79579507	blue
0.20164232	0.34724863	0.02190647	0.4398471	0.79176842	0.24031001	0.3643645	0.3643645	blue
0.18895225	0.85134851	0.19156486	0.6342428	0.04962346	0.62121094	0.04279574	0.04279574	grey
0.59342343	0.14151893	0.18792758	0.7589809	0.96429435	0.23056878	0.00021398	0.00021398	red
0.6028134	0.18906498	2.27E-05	0.0461775	0.27667952	0.10769889	9.46E-06	9.46E-06	green
0.03680261	0.34893839	0.33386585	0.267124	0.28675354	0.83661046	0.22296309	0.22296309	grey
0.45065623	0.30412278	0.29362179	0.5028873	0.17510116	0.41897611	0.62718398	0.62718398	darkturquoise

0.2353751	0.19610536	0.00294297	0.043286	0.40335017	0.22579314	0.10928933	0.10928933	turquoise
0.48944862	0.90591376	0.40085116	0.9873526	0.84961205	0.53668197	0.47470822	0.47470822	purple
0.31546675	0.65048775	0.29734656	0.6385798	0.47620307	0.98098053	0.36241328	0.36241328	grey
0.08348925	0.57557565	0.17953832	0.8078956	0.41624172	0.79144604	0.00806455	0.00806455	grey
0.00274801	0.04019491	0.36297039	0.8292416	0.97856305	0.45800683	0.00037787	0.00037787	turquoise
0.48715957	0.90430222	0.03751587	0.0202642	0.32484153	0.17379835	0.45034287	0.45034287	turquoise
0.62475432	0.38833422	0.1597202	0.483821	0.88318596	0.24330307	0.15810886	0.15810886	tan
0.25000277	0.63153767	0.01360724	0.2713515	0.09212916	0.21086444	0.2615823	0.2615823	turquoise
0.43226752	0.13045381	0.28100324	0.2262752	0.80394272	0.9679595	0.08508145	0.08508145	grey
0.49625834	0.12101221	0.00981833	0.1326614	0.13228303	0.33954326	4.99E-18	4.99E-18	yellow
0.8968798	0.00663327	0.00662844	0.0122661	0.4893085	0.3238531	9.52E-12	9.52E-12	brown
0.9038808	0.16160442	0.33739535	0.1731421	0.7180283	0.05274397	0.00036019	0.00036019	turquoise
0.22150214	0.09665295	0.94730289	0.9778402	0.17840823	0.39568949	0.15467201	0.15467201	grey
0.96930162	0.36266195	0.19204148	0.643908	0.97559785	0.4658705	0.12192505	0.12192505	grey
0.70382221	0.89947358	0.09486982	0.848606	0.74278338	0.04266505	0.00208031	0.00208031	tan
0.53183636	0.13736577	0.70557835	0.9892051	0.9461676	0.23359877	0.00348033	0.00348033	blue
0.01329365	0.24306227	0.01981297	0.1475306	0.63264627	0.00420097	0.0045106	0.0045106	turquoise
0.61417804	0.10715933	0.83030153	0.6871997	0.84548173	0.65081967	0.5255325	0.5255325	grey
0.54710676	0.71559394	0.08029297	0.1072753	0.81232546	0.0781239	0.00183498	0.00183498	blue
0.86957597	0.57849382	0.21991383	0.2827055	0.04640934	0.08909661	0.1022731	0.1022731	turquoise
0.06972847	0.72522452	0.1616053	0.9922423	0.47123825	0.77637395	6.20E-24	6.20E-24	yellow
0.12700941	0.84770694	0.68494708	0.2926573	0.53638562	0.91247211	0.00046847	0.00046847	turquoise
0.26448248	0.85969598	0.50542503	0.9112277	0.67066278	0.82905327	0.60095319	0.60095319	purple
0.26707087	0.72928484	0.27021726	0.2681323	0.40069404	0.59061126	0.04345534	0.04345534	grey
0.80783099	0.58755176	0.43329023	0.5070812	0.71638193	0.46272134	5.57E-05	5.57E-05	lightyellow
0.18374884	0.43293909	0.01383085	0.1792652	0.53931035	0.24369435	0.37090762	0.37090762	turquoise
0.40084864	0.14752351	0.47499059	0.7960584	0.12853591	0.8350611	0.04311184	0.04311184	turquoise
0.27338929	0.86194819	0.70978465	0.4389223	0.53660219	0.74858972	0.00025578	0.00025578	grey
0.05625356	0.9571761	0.66146708	0.2464537	0.69046706	0.75630615	0.90881159	0.90881159	grey
0.34255077	0.00374892	0.52304614	0.8011769	0.65965688	0.59435975	3.55E-07	3.55E-07	blue
0.83774828	0.96630894	0.00112863	0.0235994	0.39687034	0.01224167	0.01960728	0.01960728	turquoise
0.79346279	0.85050053	0.06848563	0.9515511	0.76494209	0.11358736	0.44460562	0.44460562	turquoise
0.87039415	0.02022735	0.00056028	0.3652468	0.57678303	0.91660779	2.50E-33	2.50E-33	yellow
0.09220498	0.75357005	0.12165687	0.8097768	0.43462135	0.02674178	0.58198701	0.58198701	grey
0.90430177	0.99994308	0.40214041	0.6496868	0.74951979	0.04581747	0.16499246	0.16499246	turquoise
0.66369352	0.09439053	0.98439226	0.7739237	0.70619648	0.07163117	0.86405898	0.86405898	grey
0.70291747	0.37616408	0.27124092	0.8265235	0.82232887	0.94172376	0.21168792	0.21168792	turquoise
0.38993032	0.66364769	0.19344084	0.9827655	0.61689648	0.31950839	0.82085511	0.82085511	turquoise
0.02745444	0.28242743	0.59519478	0.0515383	0.63765407	0.4569231	0.92025127	0.92025127	grey
0.82235999	0.38374029	0.12567581	0.7465658	0.90221927	0.07542252	0.39264069	0.39264069	turquoise
0.83060024	0.14418476	0.41743873	0.3240828	0.44171012	0.48000082	0.01681752	0.01681752	grey
0.12894059	0.51330382	0.23942506	0.7578259	0.60522288	0.17566075	0.07036843	0.07036843	turquoise
0.12041297	0.85231142	0.00093322	0.0907813	0.83466632	0.05229932	0.3531681	0.3531681	turquoise
0.05363434	0.79511966	0.45462107	0.2050294	0.52774803	0.13310389	0.00113638	0.00113638	grey
0.51327351	0.264088	0.02340231	0.0705622	0.65627136	0.10511436	0.00057825	0.00057825	turquoise
0.33042336	0.01427944	0.31257093	0.5633638	0.93790731	0.1706424	0.00751759	0.00751759	grey
0.84227923	0.30083777	0.23894929	0.8835363	0.74900431	0.99895954	0.91993884	0.91993884	grey
0.79692775	0.16151195	0.33929337	0.7894712	0.41095941	0.80835264	0.41676843	0.41676843	grey
0.65731172	0.19631208	0.08357136	0.7006545	0.72174303	0.59174414	1.16E-06	1.16E-06	green
0.4094491	0.00846369	0.06774672	0.6390792	0.55495685	0.44996466	3.26E-10	3.26E-10	brown
0.13591872	0.79781662	0.00454528	0.0604434	0.03322772	0.02442995	0.02445427	0.02445427	turquoise
0.90781947	0.83597478	0.13966202	0.0512039	0.85128651	0.30432332	0.49688317	0.49688317	turquoise
0.61306754	0.83208573	0.00077437	0.0410248	0.37409608	0.15306547	0.59048164	0.59048164	turquoise
0.79173178	0.02409068	0.06498371	0.2715843	0.13460958	0.41594504	1.67E-05	1.67E-05	grey
0.0017628	0.02444554	0.35593218	0.8904213	0.68984741	0.97876339	1.13E-05	1.13E-05	pink
0.01654649	0.26681327	0.17747424	0.1983459	0.28999136	0.09025592	0.43994575	0.43994575	turquoise
0.29686808	0.0102221	0.17218808	0.640556	0.7069528	0.28938551	0.01881014	0.01881014	grey
0.67633783	0.41640572	0.69054453	0.1411317	0.78708667	0.79311146	0.85009176	0.85009176	grey
0.9664381	0.68506992	0.08132696	0.3229366	0.72436827	0.31500852	0.9503711	0.9503711	turquoise
0.49014746	0.02653856	0.42619148	0.2067284	0.31345651	0.03284728	0.00076544	0.00076544	grey
0.76198435	0.71123662	0.67703944	0.3118348	0.43803869	0.84521661	0.44567303	0.44567303	grey

0.47267568	0.42192927	0.14163877	0.915372	0.86017254	0.37138071	0.00786606	0.00786606	turquoise
0.00585616	0.33933525	0.00430813	0.0011794	0.85914441	0.01444113	0.49353359	0.49353359	turquoise
0.15694182	0.06024771	0.96373084	0.7361043	0.04065217	0.39491605	0.46793098	0.46793098	grey
0.91805189	0.00077924	0.00315984	0.0849762	0.98628562	0.49265019	7.26E-16	7.26E-16	yellow
0.36711866	0.46376399	0.38351262	0.3401702	0.1931719	0.95935981	0.00161015	0.00161015	blue
0.49350904	0.28665859	0.47681809	0.0322983	0.64293298	0.92085326	0.05881083	0.05881083	black
0.61233701	0.02404567	0.07776621	0.0707231	0.42284599	0.16199498	0.5592176	0.5592176	grey60
0.15531363	0.99802637	0.49267289	0.1718468	0.94087121	0.24130935	0.32427833	0.32427833	grey
0.73814241	0.17566661	0.00165952	0.4048901	0.06510091	0.30237189	1.88E-07	1.88E-07	yellow
0.36852506	0.52501966	0.60846683	0.9303149	0.52816164	0.24808961	0.94833758	0.94833758	grey
0.18607356	0.00938827	0.10176668	0.6922117	0.69936222	0.78704709	2.62E-11	2.62E-11	brown
0.20718792	0.80137514	0.01598671	0.6322032	0.60381171	0.57368351	0.35518858	0.35518858	black
0.63744679	0.02543844	0.62235638	0.3026711	0.97976635	0.53012432	2.91E-11	2.91E-11	grey
0.06679105	0.15190611	0.00266083	0.1595079	0.25206907	0.07531301	0.4686408	0.4686408	turquoise
0.97620976	0.86114202	0.8338846	0.0223141	0.4988939	0.76856269	0.88626763	0.88626763	grey
0.76473049	0.03092836	0.60667847	0.6048854	0.7104372	0.62560618	0.02252116	0.02252116	grey
0.39144877	0.98319041	0.03548163	0.1773128	0.87967102	0.19719157	0.00076529	0.00076529	turquoise
0.19606462	0.2209874	0.01765138	0.0217576	0.22020891	0.00769336	2.91E-05	2.91E-05	turquoise
0.82961083	0.58195577	0.00140858	0.236335	0.5676329	0.46105658	0.17663209	0.17663209	pink
0.52559195	0.42573169	0.8106021	0.2350554	0.79326868	0.74397788	0.11765968	0.11765968	purple
0.38763876	0.0121073	0.01123551	0.3194133	0.20863395	0.02706792	0.38421842	0.38421842	turquoise
0.56577601	0.29807961	0.59246715	0.2692718	0.62480739	0.95612937	0.01282286	0.01282286	grey
0.74002665	0.57212938	0.08039873	0.4430834	0.00699103	0.60089287	0.06371981	0.06371981	grey
0.23331913	0.21815521	0.83725395	0.4359023	0.42500883	0.2442717	0.00623914	0.00623914	purple
0.58160892	0.17946837	6.46E-05	0.0712298	0.94770177	0.32174771	0.63112855	0.63112855	turquoise
0.8717849	0.7478425	0.8631874	0.7954593	0.630167	0.1563253	0.00790333	0.00790333	grey
0.8747997	0.2773976	0.00710544	0.4582051	0.1902542	0.1185826	0.00057218	0.00057218	green
0.8567847	0.05202951	0.0808927	0.2435516	0.2347393	0.1996929	1.27E-10	1.27E-10	brown
0.409932	0.6616914	0.1882672	0.2493633	0.2088	0.54988	0.00060682	0.00060682	grey
0.9896336	0.1620391	0.2058107	0.6089278	0.9893334	0.2563306	0.00262074	0.00262074	blue
0.2551442	0.5484051	0.1061812	0.0683533	0.413104	0.06954504	0.01500404	0.01500404	turquoise
0.1695817	0.0602618	0.4460299	0.0118736	0.6435732	0.1457469	0.1947907	0.1947907	grey
0.2088822	0.3607733	0.00057846	0.8092228	0.7549054	0.3831659	0.1276376	0.1276376	grey
0.663688	0.8268572	0.1979313	0.9644669	0.7712918	0.3639981	0.263102	0.263102	turquoise
0.3880836	0.06567132	0.3265278	0.2200735	0.38442	0.3755189	0.00014286	0.00014286	blue
0.1424295	0.6564727	0.06035076	0.2230452	0.9766599	0.4612022	2.11E-09	2.11E-09	yellow
0.5840589	0.1320088	0.2007427	0.5902961	0.7290275	0.8230962	3.29E-13	3.29E-13	yellow
0.191429	0.4836247	0.5241229	0.3200252	0.6779981	0.8806264	0.9380208	0.9380208	blue
0.3376608	0.323098	0.7429582	0.7084213	0.4776395	0.900774	0.2589211	0.2589211	grey
0.03527669	0.01493088	0.2900675	0.664691	0.4033208	0.7151175	7.47E-06	7.47E-06	grey
0.6587151	0.6117251	0.00832786	0.009312	0.2172966	0.01047796	0.04393696	0.04393696	turquoise
0.03097677	0.09426891	0.3000733	0.841323	0.813461	0.876907	0.2676309	0.2676309	grey
0.652057	0.50063	0.01764597	0.2172682	0.4276427	0.05749438	0.1971466	0.1971466	turquoise
0.2760821	0.09179677	0.1079101	0.8743525	0.5568022	0.8564785	0.8895379	0.8895379	grey
0.6058342	0.04604057	0.144024	0.730069	0.6002541	0.5856009	2.64E-07	2.64E-07	turquoise
0.1277832	0.9660659	0.336444	0.0229137	0.4014924	0.1841353	0.138852	0.138852	grey
0.9304974	0.286399	0.00037102	0.150193	0.02551703	0.03899374	0.01872856	0.01872856	turquoise
0.3728356	0.9984212	0.4300634	0.4198173	0.4489208	0.5659257	0.6087855	0.6087855	grey
0.9569358	0.7290794	0.03066138	0.0146984	0.4436611	0.0197802	0.00316823	0.00316823	turquoise
0.1291025	0.3537461	0.8391902	0.3533526	0.7185427	0.9116488	0.00223162	0.00223162	turquoise
0.8728168	0.408624	0.01146071	0.3175472	0.9576226	0.05950088	0.116572	0.116572	turquoise
0.6657158	0.00323727	0.4176839	0.6843223	0.8686895	0.9298055	0.00161347	0.00161347	blue
0.7124013	0.4744943	0.07680455	0.0157169	0.3351221	0.08026521	0.00025873	0.00025873	green
0.610049	0.1854642	0.00989274	0.5865358	0.4091474	0.5037111	0.00057289	0.00057289	blue
0.5449396	0.4459442	0.8266165	0.5532776	0.9680932	0.6786465	1.30E-07	1.30E-07	turquoise
0.1302681	0.1531196	0.06433216	0.159858	0.8761498	0.1591755	0.02944053	0.02944053	lightcyan
0.1402638	0.05170798	0.6180209	0.077223	0.8960929	0.1907494	3.11E-06	3.11E-06	blue
0.170698	0.08259171	0.5374683	0.6693843	0.8689489	0.6158198	0.00316257	0.00316257	turquoise
0.06858037	0.4196289	0.6619237	0.7517806	0.4361553	0.7921278	0.2193031	0.2193031	turquoise
0.3570879	0.365236	0.08184907	0.2100493	0.947094	0.06093824	0.2697042	0.2697042	grey
0.2507592	0.01846533	0.9224054	0.7955024	0.310035	0.12641	0.8406357	0.8406357	grey

0.3144126	0.07528336	0.6170217	0.2064439	0.7536612	0.3818141	0.01419933	0.01419933	blue
0.7378141	0.04588564	0.1264145	0.9147447	0.6693834	0.9009148	0.00048793	0.00048793	blue
0.4993039	0.4768484	0.9536196	0.1805207	0.7785759	0.5455372	0.1483696	0.1483696	salmon
0.8910938	0.383005	0.9539941	0.9232331	0.4030532	0.3511633	1.97E-06	1.97E-06	royalblue
0.09074358	0.6311882	0.1907908	0.0797713	0.5773653	0.5575453	0.0114795	0.0114795	blue
0.3087348	0.2620868	0.9685556	0.640768	0.7075362	0.5789316	0.04769508	0.04769508	grey
0.7193599	0.120222	0.3268862	0.8909225	0.7080692	0.8129491	0.00573488	0.00573488	turquoise
0.2894352	0.2204093	0.1766603	0.8622341	0.7514519	0.6951645	0.00011915	0.00011915	grey
0.4059745	0.02937162	0.2452491	0.9320484	0.2351086	0.08794241	4.69E-06	4.69E-06	brown
0.2602994	0.00450096	0.07639751	0.7985335	0.8449121	0.7898576	1.20E-14	1.20E-14	brown
0.7098213	0.2166668	0.2174032	0.5967095	0.6373962	0.04759706	0.01473006	0.01473006	turquoise
0.02435966	0.622556	0.05259844	0.0635896	0.01630776	0.04220907	0.1278688	0.1278688	turquoise
0.2246927	0.4450638	0.05109744	0.1286172	0.8118402	0.285981	1.37E-05	1.37E-05	brown
0.2706248	0.1471041	0.3157538	0.0811725	0.3126207	0.03590481	0.00017662	0.00017662	turquoise
0.4772858	0.3309348	0.4990643	0.8171157	0.2487698	0.5515628	0.1119087	0.1119087	grey
0.4350107	0.9579971	0.289017	0.4519542	0.662219	0.3890986	0.01584893	0.01584893	grey
0.01731451	0.01705013	0.05644283	0.795075	0.08766625	0.51882	0.2078763	0.2078763	grey
0.05538274	0.8580619	0.1712945	0.4627937	0.8553661	0.1157189	0.2585075	0.2585075	lightyellow
0.7892543	0.7033018	0.7043839	0.1967338	0.1075234	0.7213722	0.5725553	0.5725553	turquoise
0.8473474	0.3740518	0.5631065	0.2138338	0.4399666	0.3318868	0.2073439	0.2073439	grey
0.5253838	0.9639595	0.01005276	0.1103208	0.5475316	0.05849602	0.6282522	0.6282522	turquoise
0.09803794	0.3689785	0.4215808	0.5507267	0.958978	0.2154506	0.02878223	0.02878223	blue
0.1643715	0.8849848	0.1829064	0.6107561	0.8042138	0.1948894	0.07599961	0.07599961	grey
0.672249	0.8932794	0.1139832	0.8321716	0.20559	0.9867765	0.2073029	0.2073029	turquoise
0.08936134	0.4670488	0.1481903	0.5423849	0.1600965	0.3361341	0.00521766	0.00521766	grey
0.6268422	0.940107	0.6197004	0.6656052	0.4397675	0.551884	0.2766134	0.2766134	midnightblue
0.4454386	0.8398777	0.2594826	0.3137176	0.5741573	0.4398469	0.00095294	0.00095294	grey
0.4629777	0.0278811	0.7905292	0.3201402	0.5910419	0.8934987	2.17E-06	2.17E-06	blue
0.2852805	0.3250946	0.1736588	0.4137056	0.4397228	0.05657692	0.5088355	0.5088355	blue
0.7449583	0.05543647	0.1380428	0.0297007	0.7441621	0.5109353	0.0208097	0.0208097	turquoise
0.2921081	0.1160146	0.9322824	0.8669129	0.1022579	0.3816404	0.00137695	0.00137695	turquoise
0.5047381	0.1284504	0.00366495	0.7211341	0.5475769	0.09678252	0.8766418	0.8766418	tan
0.4342504	0.4473459	0.00359869	0.0807992	0.3473182	0.06752801	0.02691087	0.02691087	turquoise
0.1320813	0.0516719	0.9500648	0.4334202	0.3166759	0.2816335	0.3267023	0.3267023	grey
0.2640954	0.9431504	0.2923079	0.3705122	0.05051764	0.07486445	0.00114827	0.00114827	red
0.2804007	0.5813075	0.5142821	0.146092	0.6952179	0.3045007	0.4639958	0.4639958	grey
0.6495553	0.2030302	0.4841039	0.7426032	0.3510361	0.8854191	0.02048765	0.02048765	grey
0.04952549	0.7885066	0.05640448	0.6213901	0.2762378	0.1757749	0.010243	0.010243	grey
0.5009395	0.01689694	0.1293771	0.7476137	0.5940611	0.4755601	0.06400888	0.06400888	blue
0.8921933	0.9385593	0.0004372	0.0972325	0.8217469	0.02091177	0.3420363	0.3420363	turquoise
0.08804262	0.03040257	0.1667391	0.3884292	0.2454887	0.3214411	0.09491495	0.09491495	grey
0.7509146	0.384003	0.7440731	0.9339167	0.4058304	0.8383049	0.1360066	0.1360066	grey
0.1863705	0.7379345	0.3401846	0.0614776	0.2136823	0.09311466	0.2777047	0.2777047	turquoise
0.2770143	0.2938301	0.6330167	0.0180248	0.2052294	0.3360348	0.5330603	0.5330603	grey
0.4766302	0.3152147	0.1247523	0.1994346	0.6700471	0.6499483	0.01684907	0.01684907	blue
0.5855065	0.1396563	0.08293905	0.2442628	0.0989464	0.7158652	1.37E-05	1.37E-05	grey
0.749297	0.01468538	0.1600674	0.559253	0.860325	0.951881	1.17E-07	1.17E-07	turquoise
0.6186096	0.7416925	0.3512643	0.6469723	0.4132995	0.5349793	0.4926079	0.4926079	turquoise
0.7244347	0.4405208	0.1973814	0.945886	0.3727872	0.6930464	0.0963422	0.0963422	grey
0.5071107	0.02307143	0.06484345	0.1563359	0.7532817	0.1625932	8.15E-08	8.15E-08	brown
0.7231904	0.7256875	0.6702443	0.2556422	0.7630668	0.1275274	0.9771853	0.9771853	grey
0.4433428	0.6450272	0.01074036	0.8731381	0.1000086	0.3782049	0.01322545	0.01322545	grey
0.02233686	0.6012646	0.2071502	0.5614962	0.7791373	0.3833028	0.5945022	0.5945022	grey
0.6819762	0.05768824	0.8610409	0.1664739	0.9149936	0.1630127	0.00016357	0.00016357	brown
0.03123039	0.206063	0.9458878	0.0180376	0.4961857	0.9642135	0.2008237	0.2008237	blue
0.482458	0.0569541	0.02054116	0.1608255	0.5936247	0.1079623	0.00026408	0.00026408	turquoise
0.1595742	0.8877678	0.5274876	0.7279298	0.7236774	0.9800091	0.1097213	0.1097213	grey
0.3243802	0.7336345	0.05659797	0.9211812	0.2517302	0.9403444	0.1368289	0.1368289	turquoise
0.1675952	0.6193603	0.2298997	0.3662144	0.5721054	0.365619	0.01860342	0.01860342	grey
0.9987558	0.0541212	0.7625806	0.4448813	0.9268526	0.5186612	0.00991443	0.00991443	blue
0.182697	0.8648269	0.1958609	0.6010402	0.6302597	0.5665556	8.00E-15	8.00E-15	yellow

0.3041984	0.3329843	0.7074062	0.4828567	0.3856764	0.8756117	0.2753001	0.2753001	purple
0.06674728	0.01275636	0.1703446	0.0506586	0.6625937	0.2983153	0.70623	0.70623	grey60
0.7933056	0.6710348	8.89E-05	0.0387517	0.9685532	0.04583257	0.3873563	0.3873563	turquoise
0.6975539	0.05426404	0.5559593	0.0806409	0.4516647	0.5244869	0.03761383	0.03761383	grey
0.7769591	0.4878978	0.3781685	0.1392297	0.4542373	0.2454373	0.00094508	0.00094508	grey
0.1975176	0.09874481	0.4645538	0.6580228	0.6224668	0.5368762	0.9758236	0.9758236	turquoise
0.1616437	0.04706784	0.4469954	0.7584506	0.4584048	0.9525321	0.132554	0.132554	blue
0.6864119	0.02457377	0.01935287	0.7876798	0.7648561	0.2484755	0.02587514	0.02587514	brown
0.6491776	0.05717	0.01557708	0.4229321	0.90369	0.4112265	0.2495655	0.2495655	grey
0.5969926	0.1188316	0.06095375	0.0806466	0.7208572	0.0529626	3.57E-05	3.57E-05	turquoise
0.5711711	0.7272038	0.03592535	0.2103866	0.64294	0.2789435	0.03217415	0.03217415	blue
0.03377042	0.405386	0.9280621	0.0261872	0.9092514	0.00284574	0.9661257	0.9661257	cyan
0.2663609	0.6141165	0.3254146	0.4571367	0.5368182	0.4293831	0.02902954	0.02902954	blue
0.4891869	0.00862704	0.2367232	0.1282662	0.1358684	0.2921031	5.66E-07	5.66E-07	yellow
0.9470757	0.3185913	0.5808959	0.3326691	0.4179324	0.6481406	1.13E-06	1.13E-06	brown
0.3384488	0.8923214	0.2410937	0.2492543	0.8212301	0.4026829	0.8351954	0.8351954	turquoise
0.8744849	0.2842659	0.7125068	0.1226943	0.4410287	0.9518732	1.58E-06	1.58E-06	grey
0.3245806	0.7615676	0.1483133	0.3137468	0.4025572	0.6927367	0.5751155	0.5751155	turquoise
0.7187686	0.4768773	4.01E-05	0.0272866	0.1530181	0.1611848	8.76E-13	8.76E-13	magenta
0.7182853	0.8656766	0.00286511	0.202823	0.7873198	0.2064861	0.401585	0.401585	pink
0.3456479	0.03729487	0.4925983	0.8431747	0.7614342	0.2280164	0.3602859	0.3602859	turquoise
0.391959	0.200123	0.4839312	0.8700982	0.8099935	0.4474932	0.06604268	0.06604268	turquoise
0.3990529	0.9171437	0.0007076	0.151437	0.2101265	0.3309808	0.00010704	0.00010704	green
0.9884374	0.6633848	0.7961879	0.1148464	0.6944665	0.9039424	0.03434016	0.03434016	grey
0.4232178	0.833557	0.3862651	0.0552846	0.9045674	0.3897856	2.99E-05	2.99E-05	blue
0.638985	0.7384529	0.3163714	0.3034312	0.5808621	0.1874298	0.1573329	0.1573329	turquoise
0.4026645	0.00492427	0.7184315	0.3348538	0.7592459	0.5929159	0.1903129	0.1903129	turquoise
0.08658395	0.8595384	0.2119114	0.8482167	0.8828771	0.7291711	0.8518118	0.8518118	turquoise
0.6691348	0.1742828	0.00290848	0.178525	0.6485382	0.2564983	5.97E-19	5.97E-19	yellow
0.2638582	0.00163918	0.02852983	0.4125745	0.7131287	0.7574916	7.65E-21	7.65E-21	brown
0.3404214	0.398797	0.0616343	0.5466243	0.8646076	0.2042113	0.00104251	0.00104251	black
0.5808611	0.1502644	0.170104	0.1155516	0.5111657	0.7848367	0.4967349	0.4967349	grey
0.1103904	0.06256514	0.249236	0.8509466	0.6185123	0.4886506	0.4715035	0.4715035	darkturquoise
0.2449857	0.864797	0.8036671	0.1873794	0.5389325	0.5069665	0.01491123	0.01491123	pink
0.5627811	0.08436696	0.9875722	0.1341468	0.3445706	0.1681906	1.26E-05	1.26E-05	blue
0.3700597	0.1582089	0.3834523	0.196341	0.4786095	0.3909436	0.00552525	0.00552525	green
0.5232048	0.9015261	0.1263501	0.8331301	0.3689553	0.8460377	0.5517624	0.5517624	salmon
0.07683742	0.9772708	0.5055048	0.7054681	0.5773293	0.866546	0.02635915	0.02635915	grey
0.1666419	0.866806	0.03410678	0.3328486	0.7726098	0.1533106	0.4014108	0.4014108	turquoise
0.5290615	0.1362956	0.01854589	0.7287074	0.3281776	0.1720626	0.6285277	0.6285277	tan
0.06946868	0.4360643	0.5578824	0.2927934	0.4753905	0.3475515	0.2621189	0.2621189	turquoise
0.00930023	0.2306305	0.05127826	0.0253235	0.5425562	0.4964733	0.01856786	0.01856786	blue
0.2921234	0.07022459	0.5830105	0.0064048	0.1612635	0.6912612	0.937383	0.937383	grey
0.95122	0.6552982	0.4123242	0.0779307	0.5004019	0.9966764	0.3110855	0.3110855	greenyellow
0.8290274	0.8557206	0.1051335	0.2634805	0.3079159	0.03518355	0.04191227	0.04191227	blue
0.7205831	0.5526416	0.4190385	0.7158835	0.7718863	0.2050088	0.0001238	0.0001238	blue
0.6920513	0.802618	0.5673928	0.6530963	0.4162776	0.7848924	0.08609229	0.08609229	grey
0.8494737	0.6861049	0.0095826	0.0104534	0.6626628	0.02572267	0.3117558	0.3117558	turquoise
0.4645221	0.8013386	0.9879158	0.8082765	0.1232657	0.6651208	0.8461277	0.8461277	turquoise
0.8446394	0.2445061	0.2681475	0.9999225	0.6509252	0.8748655	0.01717734	0.01717734	turquoise
0.06881513	0.5568361	0.7519403	0.1656145	0.2421068	0.1332082	0.9671222	0.9671222	turquoise
0.6338968	0.5683218	0.00668226	0.062391	0.3427491	0.1343681	0.00023385	0.00023385	brown
0.1753399	0.4422282	0.03813916	0.4983522	0.3883519	0.613037	7.04E-11	7.04E-11	yellow
0.5122575	0.06389995	0.00029821	0.1301923	0.5840445	0.5975947	6.29E-21	6.29E-21	yellow
0.2427748	0.1935538	0.4563391	0.3062917	0.3743988	0.04210696	3.15E-06	3.15E-06	darkgrey
0.843542	0.2128471	0.03795727	0.3763039	0.5972548	0.240633	1.19E-09	1.19E-09	brown
0.1655564	0.00391838	0.2614819	0.1480054	0.5294308	0.6338528	4.68E-05	4.68E-05	grey
0.2608991	0.1451428	0.237977	0.7604648	0.5445088	0.5005461	4.20E-05	4.20E-05	brown
0.1661463	0.2279993	0.1850292	0.7802157	0.8257413	0.8343791	0.1998363	0.1998363	grey
0.1004167	0.00515259	0.6754198	0.9882095	0.9801619	0.3175851	0.4467869	0.4467869	turquoise
0.2315415	0.1322626	0.00190343	0.0162381	0.4746453	0.5184627	5.56E-07	5.56E-07	brown

0.8356131	0.8959936	0.1570211	0.3692989	0.992838	0.4511505	0.00074234	0.00074234	darkred
0.7049038	0.3229362	0.2755635	0.3447199	0.3919595	0.04770981	0.1918258	0.1918258	grey
0.6423395	0.3071568	0.00204663	0.1283866	0.06488103	0.06572666	0.1325173	0.1325173	green
0.5905166	0.3608548	0.3203113	0.8366468	0.6702624	0.4729734	0.0004189	0.0004189	turquoise
0.558002	0.6856851	0.00371735	0.2337093	0.5766705	0.2189078	0.1305548	0.1305548	pink
0.7280312	0.7796924	0.01234633	0.3403252	0.5690698	0.1042275	0.03091914	0.03091914	turquoise
0.6327224	0.6840158	0.2574127	0.5420043	0.3614654	0.8537928	0.02507398	0.02507398	turquoise
0.9149442	0.07311133	0.9532077	0.9834518	0.4868777	0.1186335	0.02180053	0.02180053	midnightblue
0.1595279	0.00331648	0.5255346	0.5739887	0.5725771	0.3350285	0.3957758	0.3957758	blue
0.3965492	0.6764056	0.6365672	0.7253486	0.5987345	0.5751511	0.1303511	0.1303511	blue
0.09963753	0.8091781	0.05578851	0.0374284	0.2178997	0.03950549	0.2929197	0.2929197	orange
0.5234598	0.0133768	0.1020487	0.3068456	0.6028832	0.2671557	2.20E-09	2.20E-09	brown
0.01015548	0.4635159	0.2248684	0.0465696	0.2836037	0.3687046	0.3489279	0.3489279	grey
0.2533792	0.6259128	0.4336166	0.4328598	0.9513818	0.8385068	0.3009616	0.3009616	grey
0.3039726	0.3165736	0.06737891	0.3201392	0.7785322	0.1076109	0.08272676	0.08272676	green
0.07779904	0.6522084	0.8797192	0.3033807	0.6218101	0.6273716	0.00181054	0.00181054	blue
0.2082944	0.6784975	0.06142978	0.6547676	0.6828665	0.1337766	0.9158696	0.9158696	turquoise
0.4984394	0.3812795	0.00380326	0.088618	0.4657902	0.09423894	0.4076866	0.4076866	turquoise
0.3919105	0.8921888	0.8270146	0.6276105	0.9595651	0.8612204	0.3182985	0.3182985	blue
0.7707556	0.209988	0.06950758	0.2263056	0.3843274	0.7330781	0.232015	0.232015	turquoise
0.219391	0.9802584	0.1003198	0.2185032	0.9047574	0.1479872	0.00040482	0.00040482	blue
0.2601611	0.00575387	0.1425402	0.8418331	0.7320997	0.9352322	1.16E-24	1.16E-24	yellow
0.1895343	0.08418931	0.5010481	0.0902876	0.9315913	0.4086692	2.38E-05	2.38E-05	yellow
0.5552952	0.5751703	0.00150015	0.1164705	0.2359915	0.08344918	0.01470385	0.01470385	turquoise
0.3068421	0.5129124	0.3943889	0.6329554	0.9884013	0.5736669	0.3895879	0.3895879	blue
7.10E-34	0.1376916	0.2119668	0.1054733	0.5752492	0.5062473	0.00214458	0.00214458	grey
0.7011216	0.01698428	0.3232947	0.9868753	0.3731867	0.9396059	0.0763843	0.0763843	blue
0.6733153	0.00645128	0.01664785	0.463303	0.5828326	0.7240913	1.76E-24	1.76E-24	yellow
0.8598488	0.3213015	0.1886628	0.4363141	0.3007083	0.07787299	0.3790102	0.3790102	turquoise
0.2257605	0.6162764	0.00527584	0.519151	0.9828988	0.211072	0.00090809	0.00090809	tan
0.5262875	0.0487064	0.2062506	0.8273012	0.2041871	0.7882166	1.56E-05	1.56E-05	turquoise
0.8403938	0.7242343	0.9718036	0.8169635	0.8377829	0.7242531	8.51E-09	8.51E-09	green
0.1255622	0.2923873	0.1091415	0.1489418	0.3475491	0.3488725	0.2102703	0.2102703	grey
0.5074034	0.00154892	0.1026101	0.6529432	0.6563023	0.2709867	1.61E-32	1.61E-32	yellow
0.1830992	0.2063048	0.00126737	0.0971999	0.9867443	0.00544727	0.6484035	0.6484035	turquoise
0.9272773	0.0064803	0.00601725	0.0139208	0.5537296	0.4391576	1.10E-09	1.10E-09	brown
0.02084197	0.8743215	0.6773064	0.1531938	0.9349755	0.2761667	0.00046199	0.00046199	grey
0.4822513	0.4697077	0.2052653	0.7233594	0.6247731	0.3962927	0.7358471	0.7358471	turquoise
0.05532852	0.7440291	0.648213	0.8967965	0.6016699	0.3209693	0.1482249	0.1482249	grey
0.2502893	0.2340133	0.01295084	0.2955694	0.7517437	0.4977496	0.1334003	0.1334003	blue
0.1754411	0.8401207	0.2401461	0.9580791	0.8309083	0.4868804	0.4773446	0.4773446	turquoise
0.3476772	0.2602821	0.195921	0.9897569	0.593319	0.7120122	0.01810316	0.01810316	grey
0.2761685	0.09479312	0.00043767	0.5129779	0.967322	0.01925852	0.03884151	0.03884151	turquoise
0.1144247	0.02139669	0.620954	0.5356266	0.5752703	0.6206898	5.33E-06	5.33E-06	grey
0.1760251	0.2719312	0.09274669	0.7845153	0.8247471	0.448441	0.929817	0.929817	turquoise
0.4443686	0.00450115	0.00321599	0.4619593	0.6011945	0.3573214	2.07E-13	2.07E-13	green
0.7844303	0.5753439	0.5293543	0.7605161	0.07952117	0.7290017	0.5250241	0.5250241	turquoise
0.9192045	0.00064196	0.1621373	0.1479111	0.8360661	0.3454029	1.19E-15	1.19E-15	brown
0.9653097	0.671618	0.3828194	0.149218	0.4459162	0.9360706	0.1174312	0.1174312	black
0.2145922	0.0733076	0.01521264	0.57488	0.6689921	0.3419348	0.0778828	0.0778828	grey
0.3288138	0.01095049	0.00566633	0.404858	0.7731512	0.7262209	5.60E-26	5.60E-26	yellow
0.1794568	0.4561412	0.2698511	0.7643445	0.4815306	0.08241806	0.03636294	0.03636294	turquoise
0.7506701	0.01034552	0.9961547	0.6438338	0.7727322	0.8165224	0.06367031	0.06367031	black
0.5128434	0.9667975	0.274012	0.9513223	0.8655749	0.1556682	0.02278598	0.02278598	turquoise
0.566328	0.05552005	0.01893947	0.6605575	0.8516979	0.02545071	5.47E-07	5.47E-07	blue
0.9205123	0.2063888	0.00611648	0.0596227	0.6310087	0.0033597	0.00209315	0.00209315	turquoise
0.5399125	0.03605051	0.3780205	0.9170036	0.5539286	0.6845286	1.20E-07	1.20E-07	brown
0.2288057	0.1593996	0.3951337	0.695557	0.7660424	0.4252095	0.00033417	0.00033417	turquoise
0.6174526	0.419216	0.9921291	0.5084097	0.5981824	0.7265218	0.5173609	0.5173609	grey
0.8869038	0.4383676	0.9194896	0.8384197	0.7302701	0.3140267	0.07932255	0.07932255	darkgreen
0.9084175	0.896425	0.06669932	0.0893595	0.8345072	0.2195613	0.00317967	0.00317967	grey

0.4696508	0.964374	0.2116942	0.933157	0.9282698	0.4063306	0.0181554	0.0181554	turquoise
0.9996192	0.9837043	0.0191654	0.2127677	0.5746974	0.0621405	0.8554624	0.8554624	green
0.1219515	0.7794261	0.4367429	0.4615968	0.962319	0.2158447	0.5848536	0.5848536	grey
0.2771261	0.4470766	0.210125	0.2958372	0.08428187	0.1427009	0.5558964	0.5558964	turquoise
0.2933969	0.1989829	0.0284605	0.4290996	0.6916846	0.3993124	0.3073671	0.3073671	turquoise
0.5021298	0.4841446	0.8506639	0.5095551	0.7386579	0.3526616	0.00313508	0.00313508	orange
0.713737	0.4635522	0.0034749	0.0113675	0.9856755	0.03845788	0.2684169	0.2684169	grey
0.7761272	0.4872602	0.01901408	0.1460064	0.5820937	0.06852571	0.00445073	0.00445073	green
0.9605101	0.1138153	0.08097491	0.5588615	0.3840924	0.2383066	3.91E-06	3.91E-06	grey
0.1253476	0.03740872	0.5490853	0.2830609	0.4634747	0.8348076	5.53E-09	5.53E-09	yellow
0.5140772	0.01118286	0.06007681	0.7139305	0.9133632	0.3577308	0.01052807	0.01052807	grey60
0.1393129	0.01014766	0.1648415	0.3784995	0.227049	0.5094989	2.44E-06	2.44E-06	blue
0.2317377	0.6130628	0.6181278	0.3743875	0.4830972	0.9509376	0.4942272	0.4942272	lightcyan
0.8658264	0.3736737	0.03994225	0.8921124	0.7274945	0.1391488	0.0386423	0.0386423	blue
0.2784105	0.9113659	0.01523085	0.0455454	0.6872003	0.02764262	0.0023704	0.0023704	turquoise
0.1513067	0.730105	0.0082413	0.6260543	0.6397495	0.1990712	0.0983542	0.0983542	turquoise
0.868585	0.4425466	0.9870901	0.7910721	0.8938382	0.8324502	0.2549595	0.2549595	grey
0.97821	0.1300572	0.04476529	0.535972	0.8684369	0.00779756	3.28E-06	3.28E-06	turquoise
0.00270251	0.9578357	0.01865023	0.3554392	0.9926737	0.9113279	0.5003151	0.5003151	turquoise
0.2899912	0.5496481	0.0099839	0.143703	0.7571861	0.08802181	4.52E-06	4.52E-06	turquoise
0.3475792	0.7323117	0.8982227	0.1031011	0.4214303	0.5896315	0.2947506	0.2947506	grey
0.1105332	0.6232125	0.01498998	0.1248391	0.2181165	0.00923229	3.54E-07	3.54E-07	yellow
0.8545233	0.2495577	0.8048771	0.869415	0.551495	0.8269793	0.1508578	0.1508578	grey
0.3625248	0.8531318	0.00285847	0.1120277	0.8494905	0.2400099	0.1369053	0.1369053	pink
0.2726165	0.3377678	0.6909923	0.3200489	0.51777	0.5541557	0.3539365	0.3539365	blue
0.5495084	0.6929017	0.7288639	0.1012838	0.6737454	0.1474116	0.00340456	0.00340456	grey
0.02352045	0.9527761	0.9258527	0.283761	0.4955619	0.460638	0.7237364	0.7237364	grey
0.03067471	0.3661194	0.4391494	0.9862158	0.7428006	0.713398	0.779412	0.779412	turquoise
0.04370696	0.2366936	0.09323539	0.3507195	0.9001622	0.5518809	0.6057421	0.6057421	grey
0.1166986	0.6880393	0.299942	0.8947756	0.1251631	0.8621249	5.21E-05	5.21E-05	blue
0.7316606	0.9465276	0.4356752	0.9776533	0.5535444	0.4213886	0.03702955	0.03702955	turquoise
0.4965756	0.0043154	0.4345456	0.3450694	0.9744194	0.23286	0.00104263	0.00104263	green
0.7465008	0.01436137	0.8039567	0.7094038	0.886359	0.4764044	1.85E-08	1.85E-08	blue
0.8490872	0.5090741	0.0852006	0.0266356	0.9492161	0.03791596	0.00628542	0.00628542	turquoise
0.2073568	0.4903456	0.04754551	0.6274809	0.9307932	0.2191925	0.8976508	0.8976508	grey
0.2345462	0.8848378	0.00953488	0.1643853	0.2962697	0.3834842	1.73E-11	1.73E-11	green
0.04606146	0.9302429	0.9777126	0.2680886	0.9907035	0.8869221	0.04072348	0.04072348	black
0.1310575	0.3729335	0.2631077	0.516361	0.629581	0.3862682	0.1711932	0.1711932	turquoise
0.655933	0.00351053	0.00278594	0.0063314	0.3691322	0.04353554	0.0063703	0.0063703	grey60
0.1343605	0.700091	0.5410571	0.5740322	0.862506	0.2321325	0.00528435	0.00528435	blue
0.8119341	0.9475389	0.1716555	0.9572097	0.146424	0.8197714	0.01821269	0.01821269	turquoise
0.7778882	0.6863561	0.0299695	0.5371178	0.9397387	0.0380238	0.4585205	0.4585205	turquoise
0.1865008	0.8485604	0.8269816	0.6547815	0.5814431	0.9578811	0.00060817	0.00060817	cyan
0.1900975	0.749632	0.01770421	0.968595	0.2471011	0.4683449	0.00388627	0.00388627	turquoise
0.5253596	0.7459606	0.1518383	0.0270974	0.3382477	0.1663794	0.158479	0.158479	grey
0.8927422	0.02577901	0.7340268	0.5535147	0.9695637	0.9969645	3.70E-05	3.70E-05	turquoise
0.1687621	0.1924701	0.09697267	0.6527852	0.5423947	0.7456856	0.7058028	0.7058028	grey
0.520407	0.03442871	0.02188973	0.6586482	0.5131307	0.5673236	3.07E-08	3.07E-08	grey
0.9860072	0.06248691	0.06679972	0.7777777	0.7332453	0.7371854	0.4961097	0.4961097	darkturquoise
0.2890947	0.1057568	0.01908273	0.0812142	0.5445331	0.03700843	0.00256088	0.00256088	turquoise
0.2747679	0.09651096	0.6236072	0.6491541	0.4796465	0.69476	0.4260445	0.4260445	blue
0.2156928	0.9792977	0.900039	0.6709272	0.7064108	0.8170333	0.6222817	0.6222817	red
0.4075823	0.4989411	0.00011447	0.7464442	0.5021688	0.5808146	0.00022508	0.00022508	tan
0.9709044	0.6220172	0.980781	0.5590275	0.5733036	0.5921582	0.1781522	0.1781522	grey
0.6114898	0.3529137	0.5676657	0.6297704	0.6092209	0.4300357	6.09E-05	6.09E-05	blue
0.4363769	0.04798623	0.8504583	0.9645245	0.7113137	0.7183717	0.00329497	0.00329497	blue
0.9631996	0.03172949	0.01118237	0.1778614	0.5718307	0.2801701	1.70E-08	1.70E-08	turquoise
0.2190489	0.1319009	0.04631843	0.6351143	0.4255407	0.9637785	0.07885141	0.07885141	darkorange
0.5794342	0.5171562	0.0097419	0.3306349	0.6175946	0.431556	0.4044994	0.4044994	pink
0.05610465	0.8310597	0.8376492	0.2067821	0.7031637	0.8785967	0.02916003	0.02916003	grey
0.2973033	0.3926477	0.09499846	0.1062893	0.7731908	0.00776872	0.175533	0.175533	red

0.9604674	0.4415783	0.03249726	0.3594091	0.46887	0.07945837	0.02445848	0.02445848	turquoise
0.5291374	0.9157518	0.00117699	0.4565032	0.8476252	0.7497321	0.7837917	0.7837917	blue
0.04124802	0.2088304	0.1883933	0.6579551	0.4968703	0.1868283	0.00017627	0.00017627	turquoise
0.08047413	0.0024512	0.1000848	0.4208768	0.1912913	0.6088075	0.09781292	0.09781292	grey
0.9008813	0.1700014	0.1488097	0.3694243	0.4645879	0.811926	0.00043221	0.00043221	grey
0.3594436	0.06486939	0.9341653	0.4924098	0.6812729	0.7917353	0.2260843	0.2260843	green
0.225392	0.756065	0.1474632	0.4049386	0.5509416	0.7362868	0.6317308	0.6317308	turquoise
0.1921527	0.3793105	0.3554231	0.6573855	0.6441584	0.976419	0.01467199	0.01467199	lightgreen
0.09211758	0.7576321	0.00550522	0.6545319	0.6731188	0.4976788	0.04866122	0.04866122	blue
0.9743986	0.1519444	0.9135088	0.5260848	0.5692936	0.8408983	3.70E-05	3.70E-05	blue
0.7066462	0.9384117	0.6026692	0.1820904	0.9271513	0.298198	0.4338957	0.4338957	blue
0.9608408	0.2150054	0.343658	0.5725859	0.7400899	0.7313868	0.1605152	0.1605152	grey
0.08755841	0.03326105	0.1925323	0.4441531	0.7783017	0.524121	8.90E-06	8.90E-06	brown
0.6800572	0.6035542	0.2523503	0.0384627	0.6657493	0.2413177	0.1078894	0.1078894	turquoise
0.1267642	0.1220886	0.06477772	0.1366182	0.5452991	0.04653369	0.8278738	0.8278738	lightcyan
0.6246868	0.01372926	0.00445584	0.1413686	0.320057	0.91408	1.57E-17	1.57E-17	brown
0.4138747	0.5746558	0.9956891	0.8594685	0.7862578	0.7068939	0.8375034	0.8375034	grey
0.594868	0.2395671	0.2785934	0.5379039	0.3006179	0.7786617	9.29E-06	9.29E-06	brown
0.4136015	0.00504735	0.00249623	0.4074461	0.1233573	0.3673048	1.52E-09	1.52E-09	brown
0.1107601	0.2447639	0.03682385	0.7383548	0.7270681	0.7045728	0.4228416	0.4228416	turquoise
0.2966156	0.1946472	0.446613	0.7104117	0.01151057	0.4461543	0.8004558	0.8004558	grey
0.370396	0.4986299	0.00080543	0.3844284	0.6972266	0.01243018	0.02195148	0.02195148	blue
0.29094	0.3843447	0.5633923	0.4342631	0.4615249	0.3901437	0.01268624	0.01268624	turquoise
0.6595322	0.2361791	0.1679673	0.993539	0.6824888	0.5288963	0.3777895	0.3777895	turquoise
0.2479227	0.723384	0.1098619	0.5455356	0.5041378	0.5636675	0.222504	0.222504	blue
0.9327914	0.8743726	0.9177201	0.4474457	0.6139992	0.8998231	0.00055944	0.00055944	blue
0.6080149	0.2969338	0.02705315	0.7837884	0.1107921	0.58274	0.1253946	0.1253946	turquoise
0.2624817	0.02166786	0.3293305	0.3691302	0.7885046	0.9541305	0.1338489	0.1338489	grey
0.178204	0.7526154	0.00331424	0.2642129	0.5185047	0.5053448	0.00099515	0.00099515	pink
0.7328247	0.2630482	0.01538947	0.075003	0.2404746	0.2002375	1.06E-08	1.06E-08	brown
0.0404269	0.08682885	0.7044705	0.1073127	0.2459694	0.6020177	1.90E-05	1.90E-05	blue
0.5682555	0.09646764	0.4671619	0.5227509	0.6238473	0.8516608	0.1109218	0.1109218	turquoise
0.7495933	0.2607569	0.7070899	0.613134	0.7177809	0.779063	0.215729	0.215729	blue
0.1613656	0.717846	0.6249503	0.5558731	0.399972	0.7225067	0.051353	0.051353	grey
0.7684398	0.3424429	0.8144042	0.5901203	0.5868668	0.6136258	0.09954913	0.09954913	turquoise
0.6802276	0.00166044	0.0033585	0.1920407	0.9785704	0.5298592	1.82E-10	1.82E-10	brown
0.2768314	0.01287298	0.2403773	0.7744309	0.8100177	0.8125935	4.96E-08	4.96E-08	brown
0.5383049	0.06432971	0.83284	0.7913795	0.2972706	0.5071775	2.69E-09	2.69E-09	grey
0.3496787	0.0223742	0.4441392	0.6581345	0.3584082	0.6752603	0.827223	0.827223	turquoise
0.6241332	0.6434523	0.8431266	0.0130522	0.8393468	0.1257454	0.2903915	0.2903915	cyan
0.5325364	0.5671684	0.4419205	0.8380937	0.408261	0.6075061	0.1433305	0.1433305	brown
0.2794052	0.1124266	0.7174408	0.9212842	0.8390609	0.6545439	1.11E-15	1.11E-15	yellow
0.189404	0.9537198	0.3620479	0.5236446	0.9003733	0.1215587	0.0043426	0.0043426	turquoise
0.4103219	0.4887324	0.4351001	0.3110689	0.9776627	0.03079805	0.8686215	0.8686215	grey
0.3562931	0.00700785	0.3709776	0.9746582	0.9740659	0.9178888	3.46E-08	3.46E-08	blue
0.3573367	0.690957	0.00511697	0.168509	0.838615	0.03575852	0.7915646	0.7915646	turquoise
0.8494695	0.7476667	0.3246235	0.4478771	0.923567	0.1493769	0.1638279	0.1638279	turquoise
0.6310365	0.5308307	5.48E-05	0.152432	0.3846495	0.1821348	0.1168292	0.1168292	turquoise
0.7307538	0.05528555	0.05104558	0.009559	0.1924246	0.01338756	0.01710487	0.01710487	turquoise
0.6811453	0.3622828	0.981433	0.7330629	0.5238869	0.9030397	0.08073111	0.08073111	black
0.5396448	0.9072018	0.1779699	0.5164648	0.7628093	0.8751524	0.01618065	0.01618065	turquoise
0.4544918	0.01795472	0.2719516	0.0928992	0.9701855	0.171062	4.77E-12	4.77E-12	yellow
0.00242133	0.03001918	0.5073519	0.5036118	0.4665461	0.3124034	3.34E-06	3.34E-06	grey
0.3994364	0.01038957	0.3753582	0.2831081	0.7613597	0.8988644	2.01E-11	2.01E-11	brown
0.4708175	0.5091336	0.06102879	0.5744762	0.5886842	0.8599384	1.76E-13	1.76E-13	brown
0.7232464	0.718287	0.3760182	0.865295	0.4779215	0.7326196	0.6335394	0.6335394	turquoise
0.3661919	0.6609881	0.1243612	0.4066113	0.6976462	0.5137826	0.9833979	0.9833979	pink
0.9775159	0.0884335	0.3032837	0.9533761	0.3794288	0.8092552	9.21E-06	9.21E-06	brown
0.2415988	0.1473934	0.03097926	0.0852609	0.3834585	0.3560768	1.02E-11	1.02E-11	magenta
0.8362766	0.6075668	0.5524913	0.3300561	0.9093139	0.8749276	0.9674474	0.9674474	midnightblue
0.7807221	0.4587146	0.3905116	0.9427054	0.7092147	0.9335196	0.6284443	0.6284443	cyan

0.4174478	0.9719519	0.4847343	0.4828836	0.966058	0.0530061	0.5169538	0.5169538	turquoise
0.4475341	0.00355926	0.8548605	0.131523	0.8923525	0.9963109	4.49E-05	4.49E-05	grey
0.04873424	0.469219	0.00118086	0.117743	0.2663994	0.5244657	0.0199565	0.0199565	turquoise
0.2603663	0.7476068	0.1543519	0.2637707	0.8602772	0.5314019	0.3045851	0.3045851	purple
0.9888851	0.6865681	0.5815723	0.1454132	0.3819964	0.8026824	0.2419929	0.2419929	grey
0.7887064	0.9101688	0.3600519	0.77779	0.8957902	0.8203277	0.5346316	0.5346316	royalblue
0.3791125	0.431111	0.02704383	0.0634665	0.7926091	0.3567952	0.458512	0.458512	turquoise
0.0679219	0.9381942	0.0799667	0.3310163	0.9097839	0.4875782	0.02314966	0.02314966	turquoise
0.3343515	0.02472404	0.7838414	0.3766734	0.4780724	0.722044	9.61E-05	9.61E-05	midnightblue
0.79702	0.70273	0.8819254	0.4972589	0.7418203	0.8397331	0.5358107	0.5358107	purple
0.8394146	0.9113007	0.00768654	0.4501036	0.3627974	0.4990693	6.73E-15	6.73E-15	yellow
0.3004848	0.4314236	0.9447485	0.6582055	0.3107286	0.4479294	0.9152002	0.9152002	turquoise
0.8686747	0.2597665	0.4441775	0.5201844	0.9210881	0.4568409	1.88E-05	1.88E-05	blue
0.393579	0.753468	0.5398466	0.8631309	0.6167372	0.2485584	0.09493143	0.09493143	turquoise
0.09256746	0.5444785	0.9842974	0.5269736	0.3005882	0.9750631	0.00311235	0.00311235	blue
0.1147941	0.1969566	0.6505347	0.9913527	0.7233002	0.5861691	0.8246125	0.8246125	turquoise
0.4435159	0.09672004	0.1697535	0.0559909	0.03548951	0.04837883	1.13E-05	1.13E-05	turquoise
0.8234194	0.7117335	0.9761123	0.7771867	0.9575887	0.6418366	0.6685502	0.6685502	grey
0.5713969	0.7331645	0.3460377	0.0677176	0.7972568	0.3339928	0.623702	0.623702	grey
0.4542405	0.1186292	0.02215733	0.8511693	0.9748019	0.4258822	0.00486117	0.00486117	blue
0.239394	0.3923953	0.6966268	0.0451914	0.04277605	0.8777384	0.8556586	0.8556586	grey
0.6253076	0.5373314	0.121311	0.4624631	0.3979297	0.1606612	0.686569	0.686569	cyan
0.08952791	0.8585695	0.00978222	0.4014121	0.4842763	0.8278709	0.00028564	0.00028564	magenta
0.5000958	0.2961873	0.1447514	0.2866593	0.06837107	0.135246	2.42E-10	2.42E-10	brown
0.5005092	0.03134881	0.1179483	0.6314223	0.7390414	0.5551506	1.83E-05	1.83E-05	blue
0.01869609	0.03816727	0.5070196	0.6360131	0.4222331	0.5050564	0.09181792	0.09181792	turquoise
0.5304855	0.6444773	0.5305673	0.2990658	0.7657995	0.8628602	0.00529215	0.00529215	salmon
0.9195673	0.3089861	0.3742578	0.8231948	0.6252533	0.446001	1.65E-17	1.65E-17	lightgreen
0.1613814	0.1179323	0.002047	0.1327867	0.1858296	0.1556511	0.1020947	0.1020947	turquoise
0.1671563	0.3120552	0.7178755	0.6754844	0.6888423	0.9654112	0.4270974	0.4270974	pink
0.4044826	0.02067939	0.03303937	0.2897387	0.7439604	0.3564245	0.04365461	0.04365461	turquoise
0.5579564	0.4401377	0.09293818	0.6331153	0.7980456	0.6741713	0.02641469	0.02641469	brown
0.2285088	0.6180448	0.8949642	0.6531463	0.1760511	0.07477474	0.7054586	0.7054586	turquoise
0.5226989	0.00046152	0.05265332	0.5180051	0.7520526	0.6273606	6.04E-30	6.04E-30	brown
0.2105083	0.8483609	0.08045511	0.125668	0.9771608	0.03176754	0.00353488	0.00353488	grey
0.06293235	0.7811102	0.1521375	0.4072969	0.2310327	0.423619	0.7577302	0.7577302	midnightblue
0.552069	0.3750752	0.848639	0.7326038	0.9298278	0.859976	0.06050771	0.06050771	grey
0.6506505	0.526181	0.1270909	0.8074343	0.7507774	0.7159908	0.00205512	0.00205512	turquoise
0.9682275	0.7107165	0.00869184	0.2296793	0.2630241	0.02409585	0.00258453	0.00258453	turquoise
0.7270876	0.614222	0.1383797	0.9974729	0.2802751	0.5022379	0.37526	0.37526	turquoise
0.8382653	0.4626966	0.09185879	0.6446869	0.825306	0.1931733	0.27369	0.27369	turquoise
0.5920842	0.4419498	0.01195528	0.2371783	0.8597463	0.4901563	1.60E-07	1.60E-07	magenta
0.5833766	0.0073638	0.02911359	0.4448704	0.1662368	0.5289899	5.60E-23	5.60E-23	brown
0.95805	0.00989684	0.2584732	0.9143136	0.8624222	0.8988858	0.02205823	0.02205823	turquoise
0.8872498	0.01250145	0.01270315	0.0763321	0.343069	0.3384081	2.67E-22	2.67E-22	yellow
0.32614	0.2861912	0.5220642	0.1635815	0.903684	0.6547224	0.00196466	0.00196466	blue
0.300577	0.1910951	0.2837024	0.0702899	0.6516467	0.8294277	0.02934216	0.02934216	blue
0.0368555	0.01000638	0.1080417	0.3820401	0.1930952	0.654118	0.00263222	0.00263222	turquoise
0.04075123	0.00301353	0.5788549	0.5734957	0.5540296	0.1306747	4.89E-09	4.89E-09	blue
0.6372651	0.07212089	0.9675183	0.3338279	0.5594891	0.6208582	0.00341846	0.00341846	blue
0.8265265	0.04212142	0.2323033	0.7825829	0.9279171	0.5356971	0.3216498	0.3216498	grey
0.4863308	0.07045737	0.7941291	0.4570522	0.4103885	0.8083946	0.00427339	0.00427339	blue
0.7768724	0.4559947	0.3050728	0.1163795	0.2326371	0.171071	0.00738247	0.00738247	grey
0.09618685	0.318814	0.00046533	0.0776614	0.6857578	0.1219936	7.72E-05	7.72E-05	blue
0.07055724	0.1331975	0.05601119	0.4708503	0.7033446	0.1447766	1.28E-06	1.28E-06	turquoise
0.2402699	0.2905798	0.1043207	0.5419644	0.5467019	0.1272012	0.02173179	0.02173179	grey
0.1409617	0.1320817	0.550215	0.7887198	0.4935881	0.9614361	1.11E-06	1.11E-06	yellow
0.8198997	0.8461824	0.0576056	0.3316449	0.4702979	0.7387	0.2915818	0.2915818	pink
0.6800839	0.4443341	0.01300315	0.2954879	0.365005	0.3852635	0.00426827	0.00426827	turquoise
0.959385	0.00948587	0.9361263	0.4666267	0.2740264	0.7678975	0.3238719	0.3238719	green
0.00479295	0.2957333	0.7299383	0.1988186	0.8276741	0.1084307	0.00213783	0.00213783	turquoise

0.3536186	0.05453958	0.04673743	0.0845561	0.8702515	0.1411147	0.00313929	0.00313929	grey
0.2170325	0.9828366	0.5494516	0.8973208	0.2500414	0.5798386	0.9384202	0.9384202	blue
0.8538695	0.06837966	0.2155335	0.7002353	0.2280814	0.9546058	3.36E-06	3.36E-06	blue
0.4615533	0.901981	0.00206788	0.0712905	0.7191491	0.1250886	0.00171705	0.00171705	blue
0.8446626	0.1354381	0.14289	0.5475247	0.8551068	0.07797582	0.02287149	0.02287149	blue
0.8578601	0.1970019	0.3701068	0.0934006	0.8484509	0.2439202	0.0007339	0.0007339	turquoise
0.3188287	0.971118	0.3958412	0.951929	0.8690681	0.7824573	0.2946953	0.2946953	green
0.1861491	0.4397914	0.130434	0.7232576	0.3373838	0.936676	8.64E-07	8.64E-07	grey
0.5452671	0.8107878	0.7666565	0.3434436	0.9841907	0.4322919	0.00031881	0.00031881	brown
0.6753829	0.0153546	0.7001581	0.7470157	0.3670818	0.4304783	1.16E-05	1.16E-05	green
0.5629223	0.5568221	0.04982102	0.1415436	0.8071467	0.06864378	0.953119	0.953119	turquoise
0.1697313	0.8915079	0.4589209	0.9551783	0.3317302	0.2400493	0.314431	0.314431	grey
0.06173583	0.2490159	0.3267092	0.7558486	0.6174211	0.8734962	0.03487913	0.03487913	grey
0.2694991	0.3161999	0.7621063	0.786455	0.9501032	0.3645932	1.70E-05	1.70E-05	blue
0.4147558	0.3491353	0.06037606	0.564918	0.4543479	0.3924374	0.2954046	0.2954046	darkorange
0.8984108	0.9619161	0.01410455	0.0517957	0.9610608	0.1937293	0.8254472	0.8254472	turquoise
0.7400219	0.4042888	0.04503073	0.8874957	0.1027999	0.4630621	0.03445424	0.03445424	blue
0.3033129	0.691486	0.4280718	0.5468653	0.08853178	0.2705539	0.7399977	0.7399977	turquoise
0.622427	0.1005166	0.00887311	0.0170062	0.9307403	0.2234819	0.00066603	0.00066603	turquoise
0.5086037	0.00336096	0.06385689	0.2092264	0.1014662	0.1881947	4.79E-07	4.79E-07	grey
0.7980157	0.8827983	0.0209858	0.7580786	0.3343133	0.6931997	0.4758099	0.4758099	purple
0.784728	0.02528907	0.4340338	0.2889822	0.384144	0.3394013	0.00977379	0.00977379	grey
0.5153553	0.1152182	0.1207214	0.7917391	0.09407182	0.6939132	0.777151	0.777151	turquoise
0.5812314	0.1453794	0.02166812	0.8788674	0.2236021	0.08233765	0.0044036	0.0044036	green
0.2266457	0.8022683	0.3668557	0.6024076	0.5429559	0.5967968	0.9328904	0.9328904	blue
0.02064081	0.3770088	0.3944348	0.1160999	0.1420858	0.2316492	0.4121952	0.4121952	grey
0.3300966	0.8391093	0.00348427	0.0109062	0.2372879	0.2954702	6.72E-14	6.72E-14	yellow
0.7611505	0.03787706	0.01508331	0.1963555	0.3084773	0.2341977	0.00055737	0.00055737	green
0.2954231	0.07298848	0.3413805	0.1630902	0.6320988	0.487056	0.00399886	0.00399886	blue
0.9359302	0.2288886	0.890132	0.8633832	0.7434996	0.4207995	0.6929281	0.6929281	grey
0.9979073	0.01674632	0.1581221	0.3982775	0.7175346	0.239881	3.75E-14	3.75E-14	yellow
0.3748412	0.2707431	0.6672367	0.2400926	0.4241867	0.1419486	0.01671515	0.01671515	turquoise
0.386543	0.5943887	0.1477634	0.8277572	0.7765513	0.3919244	0.5746056	0.5746056	turquoise
0.6780087	0.8058092	0.1231248	0.0244128	0.6661307	0.4484661	0.8019082	0.8019082	turquoise
0.9398666	0.08430828	0.1016765	0.1095415	0.2187386	0.653315	1.35E-07	1.35E-07	blue
0.03889473	0.5765768	0.04137802	0.1420616	0.9436791	0.6379911	0.9042084	0.9042084	turquoise
0.9261501	0.1772841	0.1364637	0.3609422	0.8407366	0.193009	0.0001446	0.0001446	turquoise
0.7855563	0.4370819	0.406458	0.9879937	0.8663123	0.2314453	0.3362775	0.3362775	grey
0.6390389	0.689846	0.1521098	0.2931347	0.9907898	0.3088585	0.03208986	0.03208986	turquoise
0.3797436	0.1161723	0.3162886	0.8306753	0.9572855	0.8618147	0.04677486	0.04677486	blue
0.8165281	0.8859352	0.7501579	0.2546528	0.304795	0.1984065	0.1072406	0.1072406	grey
0.5484688	0.764427	0.00274056	0.1220268	0.3088972	0.04542133	0.00822281	0.00822281	green
0.9359752	0.0322702	0.05496342	0.5441978	0.6205785	0.2388351	3.63E-09	3.63E-09	brown
0.7986448	0.4939341	5.62E-05	0.145706	0.4717241	0.1746402	0.00013262	0.00013262	green
0.4058943	0.9573739	0.7193571	0.1864269	0.6946467	0.9846309	0.6965525	0.6965525	royalblue
0.6356076	0.1582227	0.0238017	0.215396	0.07905975	0.03327312	0.00657689	0.00657689	turquoise
0.1076264	0.42784	0.7973989	0.7604562	0.6763618	0.4830699	0.2526075	0.2526075	grey
0.9776329	0.1236876	0.2465734	0.5377583	0.4583686	0.7338609	2.63E-07	2.63E-07	purple
0.9763817	0.8271615	0.1228584	0.0232495	0.3993335	0.03155418	0.03630534	0.03630534	turquoise
0.7770138	0.346175	0.2278766	0.5669342	0.225969	0.7138027	0.00310004	0.00310004	grey
0.4654562	0.02376104	0.02729151	0.0383868	0.6971057	0.06267993	0.00037039	0.00037039	grey
0.5619546	0.3262936	0.5453482	0.9796589	0.5494376	0.8154895	0.00238357	0.00238357	grey
0.214975	0.6504895	0.03598261	0.4183134	0.930126	0.1916329	0.7837623	0.7837623	turquoise
0.08176529	0.8333549	0.2423514	0.4149706	0.6125497	0.06211049	0.6478356	0.6478356	turquoise
0.7957707	0.473509	0.05622439	0.0992741	0.6697801	0.05096434	0.01484415	0.01484415	blue
0.9995638	0.1643835	0.06963556	0.4536731	0.8346686	0.0168387	2.96E-08	2.96E-08	blue
0.7899468	0.3507818	0.00233792	0.8538093	0.9326588	0.304256	0.07748744	0.07748744	grey
0.2311212	0.2352922	0.3593562	0.4638354	0.8681739	0.4578202	0.1479777	0.1479777	green
0.3451075	0.4347706	0.04438181	0.9901109	0.6959584	0.4471056	3.32E-17	3.32E-17	yellow
0.5140681	0.02904711	0.4721447	0.326874	0.993564	0.5372917	0.5218917	0.5218917	grey
0.3570977	0.3568206	0.485121	0.6939438	0.860949	0.4959785	0.05968173	0.05968173	green

0.8809777	0.8062295	0.01271357	0.589681	0.1952897	0.301849	0.4285593	0.4285593	turquoise
0.730684	0.08550016	0.9005082	0.9272517	0.1102786	0.6723605	0.00024503	0.00024503	blue
0.679087	0.00139597	0.1170568	0.862597	0.9714254	0.9540339	0.00027825	0.00027825	brown
0.6764122	0.9436171	0.2583985	0.0316497	0.709458	0.3093061	0.1741735	0.1741735	grey
0.08188861	0.1215578	0.5992444	0.683355	0.3582346	0.6166574	0.05802573	0.05802573	turquoise
0.5892329	0.00046536	0.4369102	0.6470789	0.2142344	0.7646065	0.7076455	0.7076455	grey
0.3145686	0.8923246	0.4041489	0.3449268	0.4384903	0.4845289	0.04697334	0.04697334	turquoise
0.1177613	0.9062618	0.00468549	0.0441374	0.7788847	0.1779348	0.1059112	0.1059112	turquoise
0.3712991	0.1858169	0.02756278	0.0191433	0.4087001	0.01300322	0.5012148	0.5012148	turquoise
0.9788266	0.8892854	0.00018853	0.1325386	0.6101658	0.8315258	8.29E-10	8.29E-10	magenta
0.4618537	0.05122266	0.02771847	0.674612	0.8284052	0.7853039	1.13E-36	1.13E-36	yellow
0.408197	0.3884402	0.1257238	0.6920168	0.381485	0.1871421	0.2129709	0.2129709	grey
0.5198523	0.00876253	0.3618304	0.2686221	0.9607456	0.5146362	0.1185322	0.1185322	blue
0.8448974	0.9598949	0.5737598	0.0747175	0.4172187	0.4520061	0.00014606	0.00014606	darkturquoise
0.9585205	0.8120979	0.8843793	0.8209953	0.8697399	0.815859	0.01712652	0.01712652	blue
0.02346258	0.3698766	0.1694468	0.8447809	0.8381357	0.453166	0.00250554	0.00250554	blue
0.2101944	0.9251181	0.00516571	0.2560461	0.1785851	0.5698191	0.00050929	0.00050929	magenta
0.8983095	0.00834284	0.3336519	0.9369114	0.9137725	0.5949842	2.21E-06	2.21E-06	black
0.5410003	0.2043307	0.5916229	0.8521901	0.9110197	0.3561943	1.38E-06	1.38E-06	blue
0.5771574	0.7189399	0.5146378	0.8221419	0.980329	0.2040383	0.04364286	0.04364286	grey
0.5256235	0.794263	0.3409474	0.69853	0.4294935	0.7849964	0.00019684	0.00019684	grey
0.8740753	0.05126773	0.1694167	0.0055459	0.6363351	0.07507476	0.01269282	0.01269282	grey
0.2305953	0.6732135	0.8309261	0.2901747	0.9705833	0.5744524	0.45101	0.45101	lightyellow
0.8238631	0.1356849	0.02661333	0.779401	0.7502174	0.9210691	0.09157027	0.09157027	brown
0.4079522	0.08339177	0.2896735	0.5633279	0.3448988	0.9857986	0.5263051	0.5263051	grey
0.5726828	0.7917145	0.02866735	0.2433625	0.742383	0.1085715	0.992746	0.992746	grey
0.1021393	0.9596418	0.2172884	0.2109819	0.4308579	0.259767	0.175761	0.175761	turquoise
0.6371005	0.06488473	0.105899	0.178475	0.2434596	0.5470433	1.50E-14	1.50E-14	brown
0.01430104	0.9701298	0.1839591	0.1810156	0.1794386	0.6410554	0.2291618	0.2291618	grey
0.2093916	0.2841901	0.850672	0.6996039	0.9075459	0.3333009	0.02579999	0.02579999	grey
0.3213348	0.2169195	0.3047343	0.7900289	0.9224801	0.3601547	0.00013401	0.00013401	blue
0.5262858	0.01218785	0.7031622	0.7992611	0.0382323	0.883398	0.00012601	0.00012601	blue
0.05869465	0.3215904	0.6333804	0.3481762	0.2463201	0.374227	0.1128957	0.1128957	grey
0.4406818	0.00261296	0.8568019	0.515936	0.7402516	0.3575597	0.00159576	0.00159576	brown
0.5073097	0.7342137	0.810384	0.9662664	0.6602787	0.3157315	0.4248567	0.4248567	black
0.2707379	0.281836	0.4469507	0.262988	0.4147712	0.7547798	0.418285	0.418285	grey
0.1654314	0.279583	0.1082716	0.9003187	0.6083693	0.9243767	0.00252842	0.00252842	blue
0.6245661	0.2440461	0.7855058	0.7447602	0.9053363	0.676175	0.01448187	0.01448187	orange
0.5104178	0.8304614	0.1462684	0.4516242	0.3273359	0.1567776	0.00037114	0.00037114	blue
0.03387397	0.2349128	0.4527508	0.8653578	0.8544953	0.9298153	0.1334849	0.1334849	turquoise
0.2387004	0.1604186	0.6171444	0.6258603	0.5099077	0.3029265	4.36E-06	4.36E-06	blue
0.8620805	0.6950105	0.00709002	0.4196873	0.1824386	0.9823698	0.4409092	0.4409092	turquoise
0.1341562	0.3124236	0.5857692	0.3655879	0.4394044	0.5522335	9.38E-07	9.38E-07	blue
0.1669103	0.00673953	0.1337785	0.9517811	0.9460667	0.4487519	0.06362931	0.06362931	grey
0.8941153	0.1510767	0.6581691	0.387764	0.4949136	0.3592561	0.00046047	0.00046047	turquoise
0.4458049	0.1633759	0.5508663	0.5587659	0.798078	0.8988943	0.02205125	0.02205125	salmon
0.7580323	0.5928335	0.4705742	0.5359288	0.613746	0.6503939	0.9032115	0.9032115	turquoise
0.3904002	0.6331473	0.5491357	0.9717186	0.6199191	0.4902634	0.2084172	0.2084172	grey
0.4725294	0.02241871	0.6833768	0.9052806	0.808007	0.6433219	2.25E-06	2.25E-06	grey
0.8230067	0.9143823	0.3286456	0.9070541	0.8793743	0.266377	0.04927422	0.04927422	red
0.3200965	0.00144616	0.8107484	0.5012285	0.4438464	0.7548503	0.7800254	0.7800254	grey
0.09389193	0.1976645	0.8618051	0.8475587	0.9644414	0.703288	0.2492667	0.2492667	grey
0.02252153	0.8136696	0.750539	0.7469619	0.2129376	0.7970757	0.7973254	0.7973254	grey
0.9558792	0.6468333	0.3898969	0.6806226	0.6658068	0.4565225	0.2633829	0.2633829	blue
0.08577222	0.6100221	0.2218854	0.0130385	0.8138068	0.8660576	0.9281665	0.9281665	blue
0.5022272	0.2376496	0.01498364	0.628087	0.5598989	0.4166077	0.2547755	0.2547755	tan
0.9927057	0.1288356	0.6578245	0.1938009	0.7990723	0.450916	0.00043664	0.00043664	green
0.2012534	0.4933672	0.7229317	0.3314923	0.6904044	0.6017096	0.02013643	0.02013643	turquoise
0.8264848	0.3985258	0.08672035	0.5416478	0.7950037	0.4453245	0.01448852	0.01448852	black
0.08433988	0.3431088	0.3020573	0.948537	0.7931421	0.4373473	0.09436134	0.09436134	red
0.732378	0.924855	0.05681492	0.9917308	0.3609073	0.6146593	0.5901587	0.5901587	pink

0.2408053	0.7237147	0.9289673	0.700532	0.8084809	0.3824317	0.2279382	0.2279382	cyan
0.48046	0.1404209	0.06323341	0.5047038	0.5793821	0.158945	0.594029	0.594029	tan
0.2302711	0.1154282	0.8036089	0.176773	0.5528515	0.4378622	0.1468052	0.1468052	darkred
0.1008273	0.5171492	0.566723	0.2457367	0.8269233	0.5966612	0.7966251	0.7966251	grey
0.1618768	0.08088288	0.7778939	0.2583879	0.5305052	0.9196018	0.00995369	0.00995369	darkorange
0.5303984	0.4920282	0.02612178	0.5241584	0.471029	0.1903507	0.2592294	0.2592294	turquoise
0.1162066	0.02797647	0.5463045	0.5276911	0.863813	0.3218047	0.00011851	0.00011851	darkgreen
0.676637	0.1128902	0.02145579	0.6355747	0.9700245	0.04944549	0.04403987	0.04403987	blue
0.6871225	0.6634101	0.03641002	0.2063621	0.9297553	0.163171	0.09227875	0.09227875	turquoise
0.1929863	0.08414132	0.173245	0.3230171	0.841598	0.2767622	0.2805576	0.2805576	darkred
0.376072	0.1531027	0.242684	0.7263959	0.4265431	0.9245286	0.2033293	0.2033293	blue
0.707485	0.03518204	0.7547811	0.4034707	0.9416244	0.09246221	0.00287924	0.00287924	brown
0.5035399	0.2257123	0.4184146	0.9113579	0.2349719	0.4855402	0.339896	0.339896	turquoise
0.07506455	0.7737278	0.4130984	0.9185923	0.6813228	0.3041605	0.4481553	0.4481553	red
0.1919611	0.7919793	0.4081431	0.5943108	0.2192299	0.2940666	0.02800183	0.02800183	blue
0.3668526	0.1554714	0.01343112	0.1809862	0.924956	0.01225285	0.9082083	0.9082083	green
0.6673821	0.03227015	0.2226679	0.958089	0.9047431	0.2625183	0.00011715	0.00011715	blue
0.214842	0.4401134	0.120408	0.6116104	0.7639665	0.5513222	0.9837295	0.9837295	turquoise
0.2294321	0.9105866	0.03512048	0.7864618	0.5794689	0.99615	0.8395624	0.8395624	grey
0.02459547	0.8554137	0.411981	0.5143183	0.4327104	0.04458747	0.8320649	0.8320649	grey
0.5762913	0.3017577	0.2651042	0.3023979	0.4660605	0.762281	0.00074896	0.00074896	brown
0.8004729	0.1772958	0.195606	0.4017007	0.6321221	0.5328553	0.00050904	0.00050904	skyblue
0.9546874	0.0187983	0.6144227	0.4849724	0.0184784	0.4051773	5.17E-08	5.17E-08	blue
0.3600989	0.7145593	0.02588856	0.3654852	0.9752436	0.05349953	0.2953593	0.2953593	turquoise
0.7482703	0.0707375	0.8321115	0.4950629	0.8425064	0.3297181	0.6639122	0.6639122	grey
0.8687917	0.1219277	0.02817963	0.4347359	0.9515611	0.8933188	0.011276	0.011276	magenta
0.6282292	0.3025433	0.4608263	0.8041714	0.754839	0.4302434	1.35E-05	1.35E-05	turquoise
0.130527	0.7427866	0.5052328	0.3217304	0.7761046	0.6878835	0.952629	0.952629	blue
0.3477762	0.360296	0.2238429	0.0939408	0.3168588	0.6702799	0.6705605	0.6705605	blue
0.738227	0.04969518	0.3860205	0.941273	0.6132649	0.2969271	0.3616067	0.3616067	magenta
0.4891391	0.2566374	0.04934709	0.448424	0.2698633	0.1655886	0.05125761	0.05125761	grey
0.8065093	0.2400357	0.02472159	0.156002	0.7347829	0.1248943	1.31E-05	1.31E-05	turquoise
0.9844963	0.1973039	0.01203064	0.6738152	0.8164541	0.2790272	2.07E-07	2.07E-07	turquoise
0.3252602	0.541762	0.514808	0.781087	0.6420017	0.4805077	0.997954	0.997954	grey
0.7732913	0.1198267	0.9978176	0.0631601	0.5196768	0.842092	0.3574331	0.3574331	blue
0.831858	0.5026183	0.00475131	0.0022682	0.5643215	0.1197301	0.00961415	0.00961415	turquoise
0.0377094	0.629921	0.2500661	0.8344344	0.5630704	0.3614355	0.00073914	0.00073914	blue
0.6761072	0.00426227	0.4239782	0.7334564	0.2849569	0.4324324	3.16E-21	3.16E-21	yellow
0.6322623	0.3464513	0.2721552	0.1326121	0.990115	0.4513184	0.2281563	0.2281563	grey
0.568268	0.09347891	0.00797743	0.0821082	0.3976893	0.01168226	0.00232283	0.00232283	green
0.8254655	0.6936926	0.03149205	0.528696	0.5045364	0.4638323	0.1114096	0.1114096	pink
0.5034803	0.1836492	0.06934439	0.7152249	0.3512379	0.2319289	0.03424056	0.03424056	grey
0.1388374	0.5813594	0.8817691	0.344749	0.6903387	0.714055	0.01159695	0.01159695	turquoise
0.5868034	0.1816605	0.03733705	0.4696093	0.9463462	0.04396675	0.02749676	0.02749676	turquoise
0.5985629	0.01024511	0.2725143	0.7758244	0.4826074	0.5851353	3.12E-05	3.12E-05	brown
0.9347401	0.3621942	0.6885163	0.3074581	0.8642146	0.3124598	0.76998	0.76998	turquoise
0.04547431	0.3903949	0.3901053	0.9744335	0.6906802	0.8470484	0.00063557	0.00063557	turquoise
0.1550303	0.8270584	0.5881957	0.1653505	0.7838209	0.623177	0.8583252	0.8583252	midnightblue
0.8444278	0.5180365	0.3719046	0.0930177	0.8912206	0.06294585	0.03493242	0.03493242	grey
0.1333772	0.4311391	0.1968739	0.5124383	0.6903089	0.6353592	3.21E-07	3.21E-07	grey
0.900721	0.01573825	0.00032338	0.0573352	0.9133516	0.04753593	2.25E-07	2.25E-07	yellow
0.2886111	0.7964198	0.1969715	0.4216078	0.3433946	0.02104646	0.08044231	0.08044231	blue
0.8451783	0.9125319	0.00032722	0.1041913	0.2315732	0.1080253	4.15E-05	4.15E-05	green
0.04911506	0.5077454	0.01753261	0.6570687	0.660789	0.8014131	0.4397282	0.4397282	black
0.676233	0.4023126	0.03109441	0.9440282	0.6642935	0.1389188	0.6834213	0.6834213	turquoise
0.09741526	0.05909754	0.8035574	0.8272556	0.607238	0.5044513	0.00042008	0.00042008	blue
0.3971146	0.9485558	0.01137718	0.2034718	0.2785127	0.4439664	0.2807129	0.2807129	grey
0.7338025	0.2239199	0.5308405	0.7175304	0.07272325	0.2944737	6.34E-05	6.34E-05	grey
0.04236077	0.1674531	0.9621129	0.733878	0.2714536	0.8137607	0.2706182	0.2706182	grey
0.1681983	0.269658	0.7491512	0.8242035	0.9386079	0.6528432	1.40E-10	1.40E-10	yellow
0.0479185	0.2183534	0.5155277	0.150956	0.7087091	0.4128953	0.5420085	0.5420085	grey

0.4851054	0.0109293	0.1095102	0.4991607	0.6464429	0.00638044	0.00682709	0.00682709	grey
0.3680859	0.5885302	0.05147269	0.1050313	0.9862979	0.137947	0.5740056	0.5740056	turquoise
0.09300497	0.5585807	0.4406934	0.0291464	0.1236211	0.4571197	0.07633822	0.07633822	tan
0.364385	0.702213	0.03061562	0.9620114	0.5318434	0.2543239	0.00051066	0.00051066	blue
0.07455759	0.01777885	0.3682826	0.0400414	0.1665482	0.09020922	0.03357626	0.03357626	turquoise
0.176795	0.2940609	0.1658172	0.4737538	0.8538097	0.4353663	0.00847828	0.00847828	green
0.3849654	0.7592395	0.09981966	0.2107235	0.9141519	0.1534749	0.4014362	0.4014362	blue
0.1497391	0.4883135	0.4203634	0.5182146	0.1259832	0.2275907	1.89E-09	1.89E-09	grey
0.2450089	0.5304636	0.1458065	0.7956325	0.4012111	0.908634	4.18E-15	4.18E-15	lightgreen
0.5444742	0.271746	0.1344884	0.6139269	0.6879536	0.2837686	0.00444908	0.00444908	turquoise
0.9871881	0.2515193	0.3801218	0.5563052	0.4266834	0.8346336	4.38E-05	4.38E-05	blue
0.6543766	0.09101175	0.2758508	0.7526711	0.9941607	0.07306649	0.5601507	0.5601507	red
0.5216433	0.8986452	0.3488587	0.1311109	0.5268186	0.593599	0.2124159	0.2124159	grey
0.511204	0.9121691	0.2471618	0.99037	0.1707421	0.9950741	0.7740125	0.7740125	darkgreen
0.1570573	0.2727555	6.03E-06	0.0243168	0.1368214	0.8567827	0.00577782	0.00577782	turquoise
0.275452	0.849294	0.5954932	0.1143437	0.5705015	0.6147586	0.09073066	0.09073066	turquoise
0.1782558	0.2704065	0.9217083	0.4946066	0.2158222	0.5922628	0.6671065	0.6671065	blue
0.8889492	0.8452135	0.1009629	0.1334111	0.4419909	0.05407291	0.0613123	0.0613123	orange
0.6598278	0.00687013	0.07224765	0.2360602	0.5750689	0.9514271	2.04E-06	2.04E-06	brown
0.2023354	0.06305149	0.1485432	0.5045329	0.5859155	0.21721	0.00224966	0.00224966	turquoise
0.2093109	0.3292547	0.3267987	0.4943091	0.6174311	0.7383171	0.9314722	0.9314722	turquoise
0.9956905	0.1320849	0.02036526	0.5350514	0.858601	0.1398883	3.13E-09	3.13E-09	turquoise
0.2590428	0.8392278	0.00400098	0.7355133	0.4736056	0.7207735	0.1899828	0.1899828	grey
0.1719669	0.7322679	0.4395811	0.3324708	0.3588287	0.4784212	0.349245	0.349245	grey
0.514538	0.3307982	0.083067	0.2994541	0.9124883	0.4815444	0.01185711	0.01185711	grey
0.7040752	0.6530477	0.2128554	0.4766738	0.6950799	0.3351798	0.03484019	0.03484019	grey
0.6952483	0.2919457	0.7771739	0.1501877	0.5011663	0.9126215	0.9618884	0.9618884	blue
0.7562802	0.02384931	0.00511726	0.049651	0.6238491	0.4044192	0.01610218	0.01610218	turquoise
0.4169685	0.5158491	0.230658	0.6510445	0.6996109	0.1697838	1.20E-05	1.20E-05	turquoise
0.495514	0.02983761	0.7228438	0.5766076	0.2567808	0.3990348	0.00010293	0.00010293	blue
0.967726	0.5247907	0.01680521	0.8779371	0.5974971	0.07019695	0.1099618	0.1099618	blue
0.3302178	0.8490545	0.132341	0.8739887	0.2693445	0.4062415	0.3820243	0.3820243	grey
0.5758003	0.6342395	0.00366744	0.0953534	0.8778757	0.07291894	0.00053555	0.00053555	grey
0.8346785	0.1014297	0.02034683	0.0509584	0.2550176	0.5543361	1.45E-06	1.45E-06	turquoise
0.3032805	0.1533585	0.1560264	0.2194595	0.9693119	0.3318467	0.08093831	0.08093831	grey
0.01032813	0.7504529	0.4707483	0.302206	0.5198958	0.4894369	0.00941584	0.00941584	cyan
0.3940085	0.2210927	0.8057115	0.4712547	0.6749102	0.9718677	0.3688733	0.3688733	grey
0.3823073	0.9611888	0.524795	0.0778287	0.9809439	0.1545681	0.3964664	0.3964664	grey
0.1002015	0.447919	0.5005782	0.2797354	0.588362	0.1855574	0.7389375	0.7389375	turquoise
0.6853531	0.9180445	0.368251	0.0664841	0.4694076	0.3899938	0.4616512	0.4616512	grey
0.9433778	0.9635173	0.00027268	0.2838437	0.7811705	0.1685432	0.00066098	0.00066098	magenta
0.1419768	0.7707258	0.4130263	0.5804728	0.4638181	0.8196743	0.0029345	0.0029345	turquoise
0.9300707	0.8810337	0.00131899	0.0173427	0.8387619	0.00791153	0.4024347	0.4024347	turquoise
0.1473305	0.9226512	0.8424701	0.9835132	0.8509692	0.3844702	0.07193846	0.07193846	grey
0.965202	0.5315048	0.4466654	0.4272839	0.9630409	0.4669613	3.95E-05	3.95E-05	grey
0.1613346	0.1476119	0.7221882	0.3592645	0.789672	0.8752908	0.01088365	0.01088365	grey
0.03943176	0.2865393	0.08971646	0.1335926	0.6397217	0.6257513	0.3236626	0.3236626	turquoise
0.06523772	0.8913472	0.03591774	0.8612567	0.6763137	0.08291488	0.6602361	0.6602361	darkred
0.3369343	0.5613364	0.1196015	0.0987055	0.02898705	0.07325085	0.09107605	0.09107605	turquoise
0.1232865	0.8942482	0.6238706	0.7519612	0.6042444	0.573129	0.02266713	0.02266713	blue
0.00277977	0.6587686	0.4180776	0.5082017	0.7968016	0.8597504	0.4986748	0.4986748	turquoise
0.5030348	0.5307225	0.00866035	0.2728921	0.6978693	0.5941751	0.3531563	0.3531563	turquoise
0.2916365	0.3461444	0.2110515	0.1772143	0.9307305	0.8110859	2.01E-06	2.01E-06	salmon
0.5216704	0.3333438	0.05481856	0.7428004	0.9287605	0.4501246	0.05352404	0.05352404	turquoise
0.9920144	0.5110855	0.1421792	0.2411636	0.3175075	0.2928156	0.00267346	0.00267346	grey
0.1585894	0.4329204	0.7129496	0.0636443	0.6275982	0.5051314	0.00316438	0.00316438	grey
0.6668203	0.01777849	0.03563095	0.1099942	0.6953839	0.2127184	8.59E-29	8.59E-29	lightyellow
0.3237007	0.01877875	0.7836401	0.5312332	0.4085049	0.6044067	1.31E-06	1.31E-06	brown
0.9445491	0.5216751	0.002627	0.1198291	0.9521024	0.04419648	0.00241074	0.00241074	turquoise
0.5201215	0.0204706	0.7467945	0.912083	0.2338817	0.5149287	0.00011088	0.00011088	blue
0.370758	0.3258995	0.02984028	0.0956449	0.6324276	0.2693784	0.05657461	0.05657461	turquoise

0.247587	0.1718234	0.1364848	0.5179688	0.7850841	0.2584994	0.05943289	0.05943289	grey
0.9836048	0.01136611	0.9913379	0.7045267	0.477048	0.344923	0.01010953	0.01010953	blue
0.05907334	0.2129225	0.01442645	0.81877	0.4458281	0.7339968	0.09835662	0.09835662	grey
0.4156788	0.2519381	0.9315523	0.2358605	0.03612828	0.7402378	0.05344464	0.05344464	turquoise
0.1294619	0.3322986	0.1485884	0.269812	0.786413	0.1378327	0.00306378	0.00306378	turquoise
0.09391632	0.9192926	0.3539481	0.6374036	0.4614754	0.8948793	0.00731033	0.00731033	blue
0.1418094	0.0075457	0.5506985	0.7397413	0.9972936	0.8341483	3.05E-09	3.05E-09	blue
0.6834576	0.0454321	0.01025008	0.9682166	0.4201121	0.1026722	1.61E-05	1.61E-05	yellow
0.8015035	0.3226221	0.6161169	0.5015145	0.9132803	0.3999751	7.02E-08	7.02E-08	yellow
0.05539165	0.7627552	0.7185641	0.3402963	0.8007737	0.2474305	0.5724089	0.5724089	blue
0.04022829	0.2999433	0.03795441	0.0793186	0.8093046	0.02274713	0.04722413	0.04722413	turquoise
0.6555983	0.1357694	0.2133509	0.258927	0.3564659	0.1226081	0.2183911	0.2183911	grey
0.5731259	0.9183141	0.1412616	0.2841578	0.545635	0.3794316	0.09511257	0.09511257	black
0.7672393	0.7842348	0.2876855	0.0467844	0.4656623	0.1713372	0.03559032	0.03559032	turquoise
0.03838861	0.825871	0.9379465	0.7940505	0.3528187	0.8018186	0.04833466	0.04833466	turquoise
0.2844988	0.7523328	0.5076948	0.1555893	0.7757152	0.4341848	0.8480325	0.8480325	grey
0.4216804	0.00459815	0.8533313	0.8053673	0.5698584	0.32582	2.10E-10	2.10E-10	grey
0.2847332	0.5115859	0.0021631	0.0638156	0.05031576	0.06456427	0.8217479	0.8217479	turquoise
0.8872758	0.00271059	0.5787885	0.6572282	0.1477201	0.8697343	0.00013232	0.00013232	brown
0.4064274	0.4284364	0.5471319	0.2621925	0.5438145	0.2653097	0.07458571	0.07458571	blue
0.6492788	0.06330915	0.00332806	0.8894848	0.1033795	0.2802903	5.94E-13	5.94E-13	brown
0.6774502	0.7410168	0.886622	0.6579571	0.595457	0.9648027	0.8306216	0.8306216	grey
0.9587084	0.00021474	0.00969587	0.6672308	0.1623578	0.9742797	1.85E-05	1.85E-05	grey
0.1907445	0.9782722	0.2778876	0.505756	0.7814918	0.6763166	0.1553202	0.1553202	grey
0.2746412	0.3452863	0.01105524	0.2077115	0.9799008	0.08706161	0.2422429	0.2422429	turquoise
0.7474	0.01349403	0.04026477	0.5705647	0.8227186	0.7690984	3.62E-13	3.62E-13	brown
0.1277884	0.3031682	0.02059872	0.6904437	0.9548452	0.09755985	0.02424809	0.02424809	turquoise
0.1415676	0.5346759	0.7428717	0.6017057	0.2952024	0.2743175	0.1820105	0.1820105	turquoise
0.2237186	0.08447508	0.3940935	0.7198393	0.9596287	0.7978638	0.1773586	0.1773586	grey
0.1187691	0.8153495	0.09150224	0.0825034	0.4572265	0.03627878	0.7407644	0.7407644	turquoise
0.1713888	0.5124682	0.346052	0.7856046	0.458616	0.3546796	2.56E-18	2.56E-18	yellow
0.7947488	0.6130878	0.5348306	0.3008133	0.9399942	0.2091869	0.02231224	0.02231224	blue
0.7389637	0.4711641	0.1451442	0.8598557	0.2801226	0.6308578	0.1984754	0.1984754	blue
0.7012856	0.06659939	0.00725298	0.7151356	0.3595419	0.9613764	3.64E-06	3.64E-06	yellow
0.4872433	0.4012695	0.192981	0.6887386	0.5715803	0.7846244	2.30E-05	2.30E-05	pink
0.9587517	0.3938598	0.2581124	0.7127669	0.7757947	0.2581558	0.9250332	0.9250332	grey
0.6046077	0.4651905	0.5871329	0.028963	0.3584796	0.3539923	0.1809863	0.1809863	grey
0.7345405	0.847781	0.00112826	0.8853962	0.5063263	0.1375321	0.09724851	0.09724851	turquoise
0.1335867	0.1536644	0.8347827	0.1147204	0.8764859	0.3514607	0.04692148	0.04692148	turquoise
0.3122331	0.00450749	0.01856013	0.6841534	0.8077829	0.7015231	4.71E-41	4.71E-41	brown
0.1511729	0.7928705	0.5544251	0.2568238	0.8869836	0.611463	0.1154596	0.1154596	lightcyan
0.9922374	0.1022222	0.1991404	0.3647038	0.9684508	0.1176188	0.6985045	0.6985045	turquoise
0.1110546	0.9238647	0.07704437	0.3458187	0.9876685	0.9053277	0.0179579	0.0179579	grey
0.5443315	0.00287131	0.01827193	0.0383626	0.4913657	0.00341368	0.00061259	0.00061259	turquoise
0.4954454	0.6590554	0.00657676	0.2833976	0.6214149	0.09464224	0.00909	0.00909	pink
0.6121147	0.746576	0.9577201	0.3622412	0.2048267	0.1103846	0.03336203	0.03336203	grey
0.6458081	0.9542468	0.8152743	0.9290504	0.9083625	0.9476881	0.4497621	0.4497621	turquoise
0.7436657	0.9392328	0.02158763	0.5290039	0.4308923	0.3208106	0.08434006	0.08434006	turquoise
0.9164464	0.883816	0.6476231	0.3364854	0.9342895	0.09043418	0.4295315	0.4295315	grey
0.4294138	0.01434278	0.2413853	0.7987513	0.7588336	0.6495953	0.02546172	0.02546172	grey
0.9658095	0.4345622	0.2609972	0.3668907	0.2679435	0.1892578	0.00018967	0.00018967	turquoise
0.2378355	0.8580828	0.2717773	0.5505125	0.587155	0.8389705	0.1512458	0.1512458	grey
0.6499546	0.4080306	0.688342	0.1009939	0.3742107	0.4322116	0.3656109	0.3656109	grey
0.174521	0.8946209	0.5633243	0.4153209	0.8886775	0.2818358	0.01096669	0.01096669	turquoise
0.2352592	0.3081136	0.01467441	0.9038608	0.7174094	0.4425376	0.04139178	0.04139178	grey
0.990664	0.7640867	0.7806041	0.9691584	0.6447637	0.8454166	0.8987635	0.8987635	royalblue
0.2380829	0.9154572	0.2859186	0.9682932	0.8865947	0.6257845	0.4387432	0.4387432	red
0.09362076	0.02564952	0.4542579	0.7051425	0.9547204	0.7286229	0.00010388	0.00010388	blue
0.7586176	0.05607666	0.0146424	0.7974991	0.6555766	0.8029034	0.1310497	0.1310497	grey
0.09387009	0.7510281	0.02737595	0.0084616	0.1228081	0.00373402	0.1367498	0.1367498	blue
0.2165077	0.2537798	0.05456648	0.6972888	0.8805581	0.6656723	0.01911634	0.01911634	turquoise

0.00595803	0.04361639	0.74173	0.4495611	0.1555308	0.7742915	0.00015735	0.00015735	grey
0.1265698	0.8673214	0.02361065	0.0328596	0.7698598	0.09571989	0.5922811	0.5922811	grey
0.6253138	0.08610284	0.1417269	0.9774884	0.4820079	0.4332421	0.05352737	0.05352737	green
0.9703454	0.6547416	0.00774281	0.3065354	0.5128839	0.07058802	0.154832	0.154832	green
0.1252038	0.2680113	0.5102894	0.7528932	0.3003031	0.8532924	1.45E-17	1.45E-17	yellow
0.2490005	0.0755663	0.4940449	0.3682494	0.525385	0.8253115	0.7974308	0.7974308	pink
0.819977	0.345342	0.4922071	0.040074	0.4373299	0.07574927	0.2118222	0.2118222	grey
0.1655881	0.7286781	0.2849713	0.6783779	0.0923101	0.4186245	0.9254355	0.9254355	grey
0.7609692	0.00115707	0.8778393	0.1017944	0.7172461	0.9452881	0.00537167	0.00537167	grey
0.2562747	0.5261116	0.00702598	0.1336921	0.593959	0.05718592	0.9503217	0.9503217	turquoise
0.2549499	0.8476845	0.4230535	0.4048391	0.4659436	0.3535104	0.0085763	0.0085763	cyan
0.9544216	0.1609946	0.0171795	0.9174698	0.596852	0.1102575	0.0626241	0.0626241	blue
0.2683019	0.02196066	0.01930355	0.4922424	0.5142499	0.6737019	1.61E-07	1.61E-07	blue
0.580023	0.00509789	0.2783492	0.9025321	0.6077954	0.4427857	4.53E-06	4.53E-06	black
0.725304	0.3769152	0.0213874	0.0333505	0.6573524	0.0325355	0.04099097	0.04099097	turquoise
0.9782744	0.5319811	0.3663132	0.9268825	0.6632047	0.5128358	0.00073273	0.00073273	turquoise
0.1848479	0.00989721	0.1702239	0.764828	0.8098998	0.507149	2.15E-06	2.15E-06	brown
0.5342102	0.5865878	0.01275431	0.0753976	0.423821	0.03265815	0.4904574	0.4904574	grey
0.4692695	0.7938026	0.04615025	0.0927007	0.4922578	0.00352038	0.3004713	0.3004713	turquoise
0.4599335	0.9072396	0.00289089	0.6906098	0.9637009	0.642131	0.01889137	0.01889137	grey
0.8142278	0.06259244	0.00250013	0.3476817	0.7604642	0.4184926	0.5065464	0.5065464	grey
0.2788013	0.3060066	0.856094	0.1838164	0.7812315	0.9462873	0.4010252	0.4010252	grey
0.8644271	0.1788474	0.07678596	0.5607929	0.9477946	0.8344092	0.3418274	0.3418274	grey
0.6292564	0.3942855	0.3756111	0.5834153	0.6444271	0.7842562	5.24E-07	5.24E-07	magenta
0.1261845	0.1908588	0.08264196	0.5157051	0.3166137	0.8045181	0.6059481	0.6059481	grey
0.2977283	0.7360338	0.1652536	0.9981726	0.9507175	0.850743	1.07E-08	1.07E-08	yellow
0.1677445	0.5082042	0.1786948	0.2176513	0.7328503	0.9877715	0.6366163	0.6366163	turquoise
0.1087691	0.4665612	0.8517054	0.9809952	0.7341732	0.2980426	0.2880131	0.2880131	grey
0.3180941	0.9016652	0.1257512	0.103028	0.4483358	0.3793223	0.1892405	0.1892405	blue
0.1491486	0.9106714	3.97E-05	0.0470592	0.580623	0.01172184	0.00126515	0.00126515	magenta
0.7582964	0.00395605	0.5226312	0.2366709	0.2225712	0.1497286	0.428608	0.428608	blue
0.8089385	0.1080127	0.9320849	0.0561966	0.6457354	0.8226425	0.2175413	0.2175413	grey
0.6637023	0.4137609	0.2497746	0.2167878	0.1105336	0.7429718	0.02459018	0.02459018	grey
0.563549	0.2030024	0.5581869	0.3047149	0.3689731	0.2396477	0.8482193	0.8482193	grey
0.5925727	0.4586028	0.361723	0.818968	0.7795979	0.1946351	0.1910437	0.1910437	blue
0.6849797	0.1452784	0.8748968	0.8188318	0.2219716	0.7420056	0.1071182	0.1071182	turquoise
0.319409	0.0406537	0.5815768	0.9860084	0.7745897	0.5097764	2.73E-05	2.73E-05	blue
0.7412478	0.0164942	0.05121673	0.7895145	0.4224117	0.6172999	2.96E-22	2.96E-22	yellow
0.3121785	0.7105515	0.03770228	0.0027307	0.3018028	0.05701163	0.7416493	0.7416493	grey
0.1981647	0.08127841	0.1933428	0.2942989	0.9768551	0.3627109	0.01732581	0.01732581	green
0.8285193	0.6112255	4.83E-05	0.0713714	0.5027956	0.02395328	0.01404948	0.01404948	turquoise
0.2650786	0.8715855	0.00839634	0.9495079	0.3557018	0.05142723	0.8075121	0.8075121	grey
0.7584196	0.5129688	0.00311212	0.0411016	0.9746476	0.00177087	0.07894268	0.07894268	turquoise
0.2048046	0.1652432	0.4940878	0.1558359	0.1354943	0.2022391	0.00085833	0.00085833	skyblue
0.203456	0.06282822	0.02968909	0.0323396	0.801296	0.1054505	0.2232735	0.2232735	turquoise
0.2739946	0.5312632	0.3790447	0.3281009	0.3211465	0.02732128	0.7559325	0.7559325	grey
0.5789434	0.226354	0.7972905	0.9277368	0.8513623	0.5938814	2.24E-08	2.24E-08	blue
0.5885528	0.1370746	0.2320427	0.7775203	0.7136106	0.4366598	0.08574253	0.08574253	magenta
0.3649715	0.01970792	0.09865058	0.4769341	0.8177026	0.4566187	1.36E-08	1.36E-08	turquoise
0.2952694	0.9207946	0.2794562	0.0241132	0.9404853	0.1795809	0.04400876	0.04400876	grey
0.7486645	0.308086	0.2132621	0.7324766	0.7573232	0.1037755	0.8524113	0.8524113	blue
0.8569013	0.1089182	0.00935394	0.5641889	0.8147738	0.2117765	0.00245533	0.00245533	turquoise
0.5068504	0.2541039	0.2912922	0.1256359	0.6653026	0.241309	0.3813724	0.3813724	grey
0.05367729	0.1863746	0.5189483	0.1400288	0.449968	0.5876616	0.6876933	0.6876933	grey
0.3321694	0.6721818	0.09270688	0.8289541	0.2452154	0.7840034	0.8895421	0.8895421	turquoise
0.208938	0.00719213	0.1257844	0.2663263	0.7375683	0.270785	0.07814998	0.07814998	turquoise
0.1102298	0.1104196	0.08339949	0.1466511	0.198941	0.1918025	0.00131241	0.00131241	grey
0.3073505	0.1194766	0.1474283	0.1634844	0.229413	0.5934279	0.00018593	0.00018593	brown
0.8762776	0.9654244	1.16E-05	0.0269011	0.463845	0.1634551	7.41E-10	7.41E-10	magenta
0.8875132	0.7818759	0.04599474	0.4406555	0.8009267	0.1554123	0.00428514	0.00428514	turquoise
0.6332923	0.4530472	0.5732834	0.7342587	0.7484816	0.1840234	0.00409396	0.00409396	blue

0.02909057	0.7302184	0.6524601	0.7865151	0.985532	0.1519509	0.4809221	0.4809221	grey
0.1221035	0.3254624	0.8481428	0.4110481	0.00307623	0.8845235	4.36E-05	4.36E-05	brown
0.04024844	0.6554523	0.5095357	0.5592586	0.4976447	0.7145024	0.09818207	0.09818207	grey
0.9672108	0.1554262	0.1931804	0.9035663	0.2418878	0.1166446	0.5917223	0.5917223	blue
0.9102289	0.3988545	0.761212	0.0628333	0.7286892	0.7434585	0.3470809	0.3470809	grey
0.9715237	0.1351456	0.05025891	0.706122	0.6083841	0.0515383	2.28E-08	2.28E-08	blue
0.6867676	0.08241588	0.05476474	0.6578975	0.9951211	0.09008225	0.5495601	0.5495601	turquoise
0.5070383	0.5550773	0.3763319	0.9518255	0.5831433	0.1828562	0.06736494	0.06736494	grey
0.8299236	0.7739521	0.1654548	0.609218	0.9040364	0.06124325	1.25E-05	1.25E-05	blue
0.0833455	0.4327747	0.2679388	0.6854164	0.859985	0.3244089	0.07983665	0.07983665	red
0.239069	0.6714495	0.2935186	0.5523067	0.3513444	0.07905727	0.819923	0.819923	grey
0.508223	0.01652112	0.8544056	0.21016	0.8441002	0.2220216	1.65E-07	1.65E-07	brown
0.9468877	0.3903037	0.5943146	0.3000232	0.3414731	0.7346439	0.18974	0.18974	black
0.895736	0.07266755	0.1703014	0.4585778	0.5611798	0.3379735	9.69E-05	9.69E-05	skyblue
0.3089998	0.01965897	0.6357122	0.5678115	0.8167837	0.8157912	0.3569447	0.3569447	grey60
0.2114674	0.2182645	0.1149249	0.5904874	0.919808	0.2291703	1.00E-05	1.00E-05	darkorange
0.5989511	0.07565977	0.7706636	0.9619237	0.2234536	0.2523925	0.0428298	0.0428298	grey
0.8055968	0.06839802	0.1560729	0.4988148	0.5974643	0.4560969	0.00823581	0.00823581	brown
0.685909	0.865752	0.03977382	0.2973369	0.5008156	0.01388177	0.0339052	0.0339052	turquoise
0.2216334	0.057787	0.211745	0.872769	0.9710375	0.991098	0.752225	0.752225	grey
0.8692545	0.3674089	0.01481448	0.3442139	0.1909934	0.4874352	2.42E-15	2.42E-15	brown
0.8849311	0.553559	0.00057148	0.1274484	0.5417139	0.1349629	0.6909325	0.6909325	turquoise
0.2472933	0.9701165	0.00853083	0.0754624	0.02950472	0.3947169	6.64E-11	6.64E-11	yellow
0.6685692	0.05338796	9.07E-06	0.0579935	0.8847967	0.03975668	2.13E-05	2.13E-05	turquoise
0.7041202	0.5839489	0.7113062	0.9351273	0.389595	0.8750437	0.01526615	0.01526615	grey
0.8419848	0.7620664	0.02448285	0.3369052	0.7133796	0.3384746	0.7615303	0.7615303	turquoise
0.7357843	0.00297963	0.04901174	0.5955329	0.7582203	0.4884927	1.75E-16	1.75E-16	brown
0.5833986	0.2409425	0.8131762	0.542565	0.777913	0.8927201	0.3957794	0.3957794	blue
0.5047012	0.1518623	0.7752945	0.6337924	0.3283556	0.2019315	3.67E-07	3.67E-07	grey
0.01356483	0.1097871	0.00431524	0.0133788	0.9534551	0.07015711	0.00197883	0.00197883	turquoise
0.2905843	0.5691718	0.01127314	0.3402672	0.6278018	0.08394532	0.0590742	0.0590742	turquoise
0.3607306	0.00294706	0.03059728	0.761588	0.9880389	0.8212051	1.06E-17	1.06E-17	brown
0.1121033	0.2915206	0.2239991	0.2628954	0.7899811	0.0333806	0.1434448	0.1434448	grey
0.6444994	0.3730875	0.4591848	0.5527947	0.105712	0.6932196	0.9438536	0.9438536	grey
0.6958089	0.4933045	0.00419033	0.6321255	0.3718898	0.5054921	0.9514596	0.9514596	tan
0.7279058	0.3151329	0.3422718	0.4365859	0.5482022	0.2942718	0.00101305	0.00101305	darkgrey
0.1874492	0.3367058	0.8263807	0.5330057	0.6260816	0.08403556	0.0110116	0.0110116	grey
0.2287191	0.2441392	0.7040695	0.4004587	0.7010036	0.08357218	3.86E-05	3.86E-05	turquoise
0.7356398	0.4339756	0.245844	0.6494155	0.5456201	0.2938627	0.8669361	0.8669361	turquoise
0.5778471	0.156205	0.1459591	0.6029941	0.241389	0.4282191	0.00410633	0.00410633	blue
0.127642	0.6646014	0.03637772	0.2483863	0.6528178	0.3475317	0.2571977	0.2571977	turquoise
0.2351538	0.1968179	0.5526841	0.4848982	0.7432254	0.4838487	8.18E-05	8.18E-05	blue
0.4329253	0.1360405	0.4259155	0.1311934	0.3967254	0.8858246	0.1195901	0.1195901	blue
0.8297142	0.956745	0.9274817	0.6490276	0.9030706	0.4049637	0.03765855	0.03765855	grey
0.5042805	0.2555331	0.2644997	0.2546839	0.1673979	0.6904913	0.00336991	0.00336991	brown
0.4595997	0.4482588	0.09085725	0.3024129	0.8955568	0.0712407	0.06124715	0.06124715	black
0.5314087	0.08500771	0.1954264	0.138937	0.6220803	0.1425672	0.01606292	0.01606292	turquoise
0.1531111	0.5605295	0.8145931	0.5043537	0.4441562	0.9514949	0.01536205	0.01536205	grey
0.2813717	0.6951633	0.4447892	0.3040161	0.4852392	0.1132844	0.07694266	0.07694266	turquoise
0.1057871	0.3360997	0.3499652	0.2183801	0.6367895	0.5953351	0.1113345	0.1113345	grey
0.8601762	0.0489765	0.1993212	0.5896647	0.7656922	0.5464372	2.06E-12	2.06E-12	brown
0.00548993	0.7517396	0.4028787	0.335218	0.3984695	0.7101166	0.6712344	0.6712344	turquoise
0.4696312	0.9516382	0.4482293	0.8306645	0.5166005	0.556763	0.9561036	0.9561036	grey
0.751646	0.5777906	0.1056919	0.9997217	0.8111934	0.6387188	0.1550643	0.1550643	turquoise
0.7380919	0.3588759	0.126432	0.0918647	0.6846045	0.00703708	0.2620779	0.2620779	green
0.5133137	0.01860483	0.2168058	0.674295	0.8678356	0.7178495	4.54E-07	4.54E-07	brown
0.2391777	0.01310089	0.5059998	0.9050853	0.5872796	0.1820426	0.00099703	0.00099703	blue
0.6063106	0.6300295	0.6184702	0.9207284	0.173072	0.3547905	0.3518991	0.3518991	turquoise
0.2387997	0.1472212	0.4330307	0.7060888	0.2624504	0.5367452	0.04214858	0.04214858	blue
0.9154746	0.9030477	0.4098994	0.0452797	0.9191122	0.9322338	0.08347779	0.08347779	grey
8.54E-10	0.0677094	0.2916183	0.7653341	0.5332364	0.2658304	0.1653109	0.1653109	black

0.1900902	0.04670277	0.2655964	0.9107569	0.7778692	0.7301286	4.27E-06	4.27E-06	brown
0.6821517	0.1887858	0.4783921	0.2531973	0.6898641	0.1177146	0.00652827	0.00652827	grey
0.5668435	0.4058684	0.5909346	0.9269564	0.3888839	0.3186649	0.4164054	0.4164054	blue
0.04837436	0.1639935	0.1892079	0.1026101	0.6604945	0.5903956	0.0061147	0.0061147	blue
0.2137801	0.435515	0.07857695	0.70264	0.8617683	0.2161275	0.5240289	0.5240289	turquoise
0.3336498	0.6492632	0.00066928	0.1852448	0.6577292	0.11384	0.08832231	0.08832231	pink
0.1520764	0.8925791	0.1662644	0.4934087	0.591774	0.6292022	0.00180239	0.00180239	lightgreen
0.8685044	0.3714798	0.8130667	0.844093	0.7898413	0.8658439	0.563954	0.563954	blue
0.9190924	0.2576498	0.0715931	0.7948973	0.4154811	0.8642035	7.34E-16	7.34E-16	brown
0.7771736	0.3986579	0.01880054	0.1902088	0.936869	0.1114271	0.2678465	0.2678465	turquoise
0.3933775	0.3843599	0.4419217	0.8132382	0.1235325	0.8974436	0.8020695	0.8020695	grey
0.3259802	0.07029934	0.9154365	0.4908234	0.875497	0.281304	0.00025697	0.00025697	blue
0.7836885	0.6020114	0.00435144	0.1047312	0.2963443	0.1237109	0.00016158	0.00016158	brown
0.4616562	0.9971454	0.4634876	0.499918	0.8186388	0.1233503	0.5611036	0.5611036	red
0.3621708	0.6321428	0.00933123	0.5169321	0.7940757	0.4329996	0.6010566	0.6010566	turquoise
0.8346561	0.8995602	0.917627	0.8073656	0.538133	0.7782121	0.64807	0.64807	turquoise
0.00251259	0.4314375	0.8646125	0.5496098	0.2398518	0.4190327	0.2320255	0.2320255	lightyellow
0.7611756	0.04181356	0.03327724	0.9758962	0.5125897	0.8231626	0.00896259	0.00896259	green
0.6122432	0.7967753	0.01697935	0.2036924	0.8422214	0.1124462	0.1591304	0.1591304	blue
0.699327	0.824211	0.4858662	0.7416118	0.9601878	0.6088751	0.2654562	0.2654562	turquoise
0.4265183	0.3524835	0.5732831	0.612403	0.05237045	0.315118	0.1330238	0.1330238	grey
0.1561554	0.2771447	0.8789799	0.3161534	0.6003617	0.9539277	0.04628491	0.04628491	grey
0.7889066	0.00520425	0.4161049	0.8790779	0.6562864	0.7767003	0.03489023	0.03489023	grey
0.3110254	0.5777621	0.3324175	0.7969997	0.6034401	0.4048992	0.03686695	0.03686695	grey
0.4683871	0.01115734	0.02722652	0.0145973	0.9140764	0.109099	0.3653383	0.3653383	grey
0.5205364	0.3101468	0.327192	0.7438841	0.7429351	0.3437525	0.1203744	0.1203744	turquoise
0.25402	0.9865106	0.5646209	0.1243587	0.2343781	0.3864425	0.01864901	0.01864901	green
0.54785	0.2150661	0.214976	0.1281101	0.3114977	0.1167892	0.2376718	0.2376718	turquoise
0.1138241	0.1396264	0.00952615	0.1413054	0.814539	0.0242029	0.04598868	0.04598868	turquoise
0.3858005	0.8740411	0.4255538	0.4248578	0.9699209	0.9006802	0.6868065	0.6868065	pink
0.3766329	0.00079755	0.09352984	0.081831	0.808595	0.3106731	4.64E-09	4.64E-09	brown
0.8327095	0.4421279	0.3348966	0.3877161	0.9086426	0.7419175	0.3478328	0.3478328	red
0.733429	0.1967834	0.1579138	0.6752707	0.6151976	0.18074	0.1174619	0.1174619	grey
0.4061022	0.8531151	0.6908014	0.7144959	0.7814848	0.3086965	0.6617384	0.6617384	darkgreen
2.50E-11	0.9683626	0.00250978	0.507634	0.9369183	0.01185492	0.3344135	0.3344135	turquoise
0.1683352	0.1774806	0.4202414	0.9082473	0.3248846	0.591775	0.1194958	0.1194958	grey
0.8926355	0.1837667	0.3270828	0.3367296	0.08727387	0.1898153	0.0001193	0.0001193	turquoise
0.4092114	0.9841953	0.28114	0.7818009	0.7908029	0.2080712	0.06057777	0.06057777	turquoise
0.2152509	0.6025626	0.1966418	0.1707116	0.630883	0.292132	0.2817387	0.2817387	turquoise
0.8127494	0.6268452	0.00037719	0.0440365	0.5777404	0.1026853	5.08E-06	5.08E-06	magenta
0.8694269	0.7743485	0.9802312	0.736899	0.2595214	0.1486376	0.3503337	0.3503337	grey
0.154699	0.6538185	0.7412483	0.4215803	0.9611164	0.9252878	2.07E-05	2.07E-05	grey
0.5457003	0.3940502	0.03683334	0.125112	0.4318242	0.1683273	0.00011574	0.00011574	green
0.08902117	0.7206952	0.02471055	0.0684607	0.9884757	0.5145514	0.0002194	0.0002194	blue
0.4199961	0.8805309	0.01069991	0.1473447	0.5606269	0.0807096	0.03008859	0.03008859	green
0.06654034	0.00779987	0.6477906	0.5631057	0.239732	0.6382743	0.3663275	0.3663275	turquoise
0.4895979	0.4778329	0.885837	0.4240479	0.9189271	0.8534188	0.0002869	0.0002869	blue
0.1631185	0.05744176	0.08722585	0.33128	0.8843786	0.4259488	0.6811986	0.6811986	darkred
0.3343059	0.5289109	0.9194984	0.3653442	0.5746557	0.3620248	0.01165144	0.01165144	grey
0.7492684	0.00602685	0.1786283	0.5391879	0.2970641	0.1438286	2.05E-09	2.05E-09	brown
0.8575705	0.9591766	0.04577403	0.3267099	0.1166255	0.09604565	0.0001183	0.0001183	grey
0.969532	0.9628254	0.3125599	0.6242783	0.7635177	0.08166336	0.1640314	0.1640314	grey
0.4182531	0.3551197	0.9434754	0.1369105	0.5129868	0.93923	0.5282631	0.5282631	cyan
0.4000573	0.01659215	0.3253619	0.4188241	0.6390055	0.4261984	1.17E-05	1.17E-05	brown
0.1530768	0.1659471	0.06637194	0.6265197	0.9493311	0.09785217	3.62E-06	3.62E-06	blue
0.796827	0.00887613	0.7519564	0.4728441	0.651938	0.2683239	3.70E-08	3.70E-08	grey
0.6532134	0.0542942	0.449742	0.8682233	0.5542307	0.2237523	8.95E-06	8.95E-06	blue
0.332443	0.1484873	0.04668752	0.0284492	0.3654549	0.2374469	0.3419896	0.3419896	grey
0.8135802	0.19376	0.538319	0.071379	0.317161	0.200046	0.00017764	0.00017764	blue
0.1671898	0.5998954	0.5148506	0.2327969	0.3649739	0.2282452	0.07117188	0.07117188	grey
0.4271515	0.0400416	0.621681	0.8631346	0.2487203	0.2675811	0.0004962	0.0004962	blue

0.3964237	0.6851992	0.760741	0.9810929	0.6061437	0.2352564	0.04881105	0.04881105	grey
0.9892889	0.00434446	0.01306411	0.0962233	0.07591276	0.4045059	9.86E-08	9.86E-08	brown
0.7920148	0.1896837	0.8695339	0.5580018	0.6107596	0.2242719	0.00087185	0.00087185	turquoise
0.2425298	0.00050857	0.03346329	0.3757594	0.3847715	0.5525212	1.94E-09	1.94E-09	brown
0.8946361	0.9794482	0.4935875	0.005905	0.8261456	0.8859082	0.2575732	0.2575732	grey
0.4494688	0.6329404	0.3210091	0.1033182	0.7998419	0.2038636	0.4096749	0.4096749	turquoise
0.967037	0.8861033	0.2529162	0.8574717	0.8834626	0.4266366	0.00050507	0.00050507	grey
0.6255038	0.00520419	0.06716529	0.6551897	0.6479607	0.7552954	2.80E-23	2.80E-23	brown
0.5229569	0.01071162	0.03821074	0.6944194	0.7525938	0.5234172	3.76E-11	3.76E-11	brown
0.8016973	0.4771847	0.00329538	0.2529491	0.5086289	0.3240591	0.06985358	0.06985358	pink
0.5251492	0.4987403	0.03240634	0.6915587	0.3086376	0.3357467	0.01297879	0.01297879	grey
0.1118855	0.07650145	0.2695661	0.9107406	0.9925831	0.3206412	0.9046299	0.9046299	turquoise
0.02016793	0.9593423	0.2021448	0.1096718	0.8758278	0.9776096	0.4584995	0.4584995	greenyellow
0.8712129	0.7897068	0.6875291	0.6241195	0.773253	0.9040084	0.03440303	0.03440303	grey
0.7503884	0.4082268	0.03276884	0.2810094	0.9214671	0.05121672	0.00019693	0.00019693	blue
0.1683823	0.5190706	0.3293259	0.4752519	0.4609444	0.5351769	0.9679906	0.9679906	grey
0.5151484	0.00940969	0.03396114	0.6185487	0.3747614	0.5389485	0.00726854	0.00726854	grey
0.4394723	0.4147178	0.2217652	0.1569888	0.9369147	0.3935669	1.15E-05	1.15E-05	grey
0.7976175	0.00385665	0.00174553	0.2631626	0.5440131	0.01547728	0.1441817	0.1441817	tan
0.5737156	0.9365719	0.9481887	0.7811839	0.9048941	0.2752329	0.1876935	0.1876935	blue
0.4594624	0.02880484	4.80E-07	0.0268938	0.8576178	0.05555106	6.10E-05	6.10E-05	brown
0.4649472	0.622154	0.3152799	0.6380849	0.9282425	0.8967657	0.4799505	0.4799505	grey
0.3954043	0.2545436	0.2107464	0.4559738	0.9443465	0.4896722	0.00041686	0.00041686	blue
0.9487662	0.04669738	0.1469017	0.4179825	0.9552444	0.3433158	0.00163082	0.00163082	darkgrey
0.354782	0.2608632	0.2457911	0.1952097	0.9837836	0.5064899	2.23E-12	2.23E-12	cyan
0.9281889	0.6470643	0.3096624	0.636291	0.2439516	0.9456671	6.18E-06	6.18E-06	grey
0.3743229	0.1225251	0.4628189	0.9168102	0.4791857	0.3626189	0.00505099	0.00505099	darkorange
0.9519297	0.1260919	0.00393638	0.6499606	0.2852679	0.3749023	0.00026192	0.00026192	grey
0.3489772	0.3574147	0.1096737	0.4555652	0.8382323	0.5333112	0.1575327	0.1575327	blue
0.8624785	0.4904903	0.1233518	0.1761255	0.8989178	0.7449827	0.02613782	0.02613782	blue
0.1721964	0.3414431	0.1078793	0.1974252	0.52184	0.1414198	0.00087656	0.00087656	grey
0.2415566	0.1129876	0.5979654	0.6621361	0.426704	0.4126007	5.77E-11	5.77E-11	midnightblue
0.01805757	0.5373112	0.405011	0.2048379	0.1585165	0.01278013	0.01918467	0.01918467	turquoise
0.6145775	0.6836034	0.7611043	0.697388	0.316472	0.6795801	0.8998521	0.8998521	blue
0.7791185	0.836806	0.3015268	0.2785874	0.8213873	0.7290035	9.06E-05	9.06E-05	yellow
0.6610239	0.1181026	0.2007354	0.451869	0.06415793	0.4870829	0.00132522	0.00132522	blue
0.6952431	0.01201245	0.06053585	0.1693216	0.6728235	0.1359289	4.92E-27	4.92E-27	yellow
0.4913403	0.5722951	0.00637116	0.0724513	0.2161705	0.1449363	0.1050349	0.1050349	turquoise
0.6715905	0.4757238	0.4932392	0.5821482	0.163311	0.178062	0.1502293	0.1502293	orange
0.3026676	0.1350838	0.6638334	0.4548551	0.7379156	0.5200934	0.00985926	0.00985926	blue
0.7818271	0.00258756	0.02456638	0.3833499	0.02411468	0.4977999	3.58E-08	3.58E-08	green
0.5805521	0.09230592	0.0063482	0.4374939	0.8743488	0.06790213	0.3884303	0.3884303	grey60
0.1469271	0.9612833	0.2374072	0.6576798	0.4728052	0.9278594	0.4365774	0.4365774	midnightblue
0.6360897	0.8253402	0.220917	0.8173226	0.6337148	0.2303777	0.00134376	0.00134376	blue
0.406626	0.08715766	0.7971349	0.0686692	0.296944	0.8731683	0.01325417	0.01325417	blue
0.00648955	0.2702357	0.7562556	0.8025484	0.7178964	0.7240246	0.303168	0.303168	turquoise
0.08160641	0.2101179	0.7144984	0.0156447	0.9167704	0.364232	0.8643353	0.8643353	grey
0.5841746	0.3471492	0.4586811	0.920671	0.3072623	0.9153976	0.03282874	0.03282874	blue
0.6343181	0.3024618	0.02406177	0.0157395	0.8215347	0.01250069	0.01750227	0.01750227	turquoise
0.6117833	0.3920901	0.3872296	0.8567314	0.1128587	0.561362	0.00589362	0.00589362	grey
0.8411156	0.5388344	0.7550129	0.4352117	0.8278798	0.3206888	0.1680928	0.1680928	purple
0.1635463	0.6379	0.04778463	0.6554364	0.8055201	0.5146279	0.1183176	0.1183176	turquoise
0.4065661	0.06996733	0.1817367	0.5727234	0.3522183	0.591499	1.66E-06	1.66E-06	red
0.3418114	0.4113412	0.8004625	0.6648155	0.8370121	0.9592007	0.5014765	0.5014765	grey
0.7520546	0.3054879	0.7479213	0.5776338	0.6983974	0.8884049	0.00025907	0.00025907	blue
0.8170855	0.3495109	0.7019924	0.9779968	0.7364315	0.4191362	0.9078056	0.9078056	grey
0.02492978	0.2774314	0.0134253	0.1656259	0.5116821	0.2934552	0.2433902	0.2433902	turquoise
0.8847644	0.07327911	0.6425852	0.2122217	0.9130955	0.485049	0.03243825	0.03243825	grey
0.5569353	0.02165061	0.2046123	0.5184354	0.9642367	0.6509243	0.368942	0.368942	blue
0.2606394	0.864721	0.2510761	0.5007904	0.5979938	0.3079278	0.04217976	0.04217976	lightgreen
0.2951594	0.03511941	0.2422025	0.1218129	0.7999896	0.08457893	1.53E-17	1.53E-17	yellow

0.437317	0.08084857	0.00730808	0.1158213	0.7271819	0.4921095	3.06E-05	3.06E-05	brown
0.726298	0.00273197	0.02041036	0.1468664	0.9948445	0.5909265	4.80E-08	4.80E-08	brown
0.00355189	0.101248	0.02152688	0.6521832	0.3575163	0.1527427	0.00880132	0.00880132	turquoise
0.4768658	0.05959947	0.4249799	0.4713325	0.8767556	0.1776174	0.00299875	0.00299875	darkgrey
0.364016	0.2197158	0.7693776	0.4686878	0.477342	0.6689612	0.02713969	0.02713969	blue
0.4791294	0.7884891	0.1828207	0.6248583	0.3401828	0.8075249	0.6238272	0.6238272	blue
0.3036652	0.3030646	0.05346656	0.2574177	0.4791769	0.05185677	0.148012	0.148012	turquoise
0.787354	0.02798567	0.06477404	0.9965993	0.2698037	0.1234648	0.3418486	0.3418486	grey
0.8078154	0.05539268	0.00385198	0.3602269	0.8056633	0.3192086	9.35E-06	9.35E-06	brown
0.916509	0.00417336	0.00127587	0.1060302	0.6765693	0.9661259	9.38E-25	9.38E-25	brown
0.1995361	0.6506678	0.4483496	0.3698536	0.9481126	0.9345558	4.01E-09	4.01E-09	lightgreen
0.2154951	0.8131552	0.04651547	0.8531136	0.4265322	0.5973903	0.3020894	0.3020894	magenta
0.9726342	0.556661	0.2113476	0.6019632	0.3516144	0.6839077	0.07049476	0.07049476	turquoise
0.528803	0.7582578	0.1031462	0.1479666	0.5032705	0.09661139	0.09153743	0.09153743	turquoise
0.27679	0.4159627	0.00748838	0.517391	0.5241632	0.7316944	0.6030996	0.6030996	pink
0.404437	0.8827162	0.07414381	0.179392	0.4954001	0.02022756	0.3729948	0.3729948	turquoise
0.9120068	0.9810887	0.08572937	0.0161418	0.3149545	0.2080328	0.7868651	0.7868651	turquoise
0.9004652	0.1421775	0.7550977	0.8678002	0.8954586	0.4361453	0.4173601	0.4173601	greenyellow
0.6820763	0.7978606	0.7658173	0.790001	0.9302996	0.8880962	0.04138214	0.04138214	turquoise
0.7201447	0.096711	0.00654615	0.1489902	0.7075398	0.2286911	1.46E-22	1.46E-22	yellow
0.5175227	0.05825586	0.00183112	0.1208732	0.6827113	0.1239512	0.0481807	0.0481807	turquoise
0.8339956	9.38E-05	0.01576753	0.4985779	0.9315241	0.6553157	4.37E-22	4.37E-22	yellow
0.2716564	0.1133501	0.6281462	0.1519771	0.8408608	0.9477532	2.11E-05	2.11E-05	blue
0.02494922	0.3319357	0.02409263	0.1540215	0.4199233	0.01501907	0.00211129	0.00211129	grey
0.8111953	0.1249545	0.00174876	0.2682757	0.7237061	0.02298003	0.01026515	0.01026515	turquoise
0.6647926	0.2730588	0.1324874	0.8564681	0.8947752	0.7334577	0.7207927	0.7207927	grey
0.205796	0.02072073	0.03515795	0.132834	0.4466199	0.03565973	1.80E-08	1.80E-08	blue
0.7143409	0.7357147	0.1212488	0.9693324	0.1217469	0.0398305	0.4181292	0.4181292	grey
0.963039	0.7686905	0.4341772	0.4609833	0.2662833	0.2661421	5.17E-12	5.17E-12	yellow
0.0931888	0.5739815	0.01167051	0.0835372	0.03319747	0.01376247	0.02198684	0.02198684	turquoise
0.4737246	0.6742265	0.09366061	0.7545254	0.5584646	0.3052599	0.6751133	0.6751133	turquoise
0.5239362	0.01004902	0.08723631	0.6288002	0.8437936	0.75998	2.63E-08	2.63E-08	turquoise
0.01109937	0.7354543	0.9575141	0.7161453	0.07341164	0.2056088	0.4991395	0.4991395	grey
0.5956264	0.00573198	0.8809267	0.9949906	0.6593437	0.4672248	0.0064664	0.0064664	blue
0.8123772	0.2623971	0.00053949	0.097617	0.6728745	0.141529	0.00619999	0.00619999	white
0.681166	0.1292943	0.3023018	0.0494476	0.9222928	0.4575228	0.00029031	0.00029031	blue
0.9781341	0.4477213	0.6490836	0.3406777	0.9780618	0.7095287	0.09153344	0.09153344	turquoise
0.8273251	0.94953	0.03054114	0.0314317	0.488395	0.2144007	0.9820496	0.9820496	turquoise
0.6197269	0.2340363	0.00383442	0.8446609	0.7540453	0.566919	7.40E-10	7.40E-10	yellow
0.6880263	0.06812869	0.4723217	0.209776	0.2765134	0.7142714	5.61E-05	5.61E-05	grey
0.3355978	0.6284504	0.1636442	0.6614399	0.388164	0.4712829	0.1106707	0.1106707	blue
0.8689167	0.7606814	0.7876916	0.9494367	0.9306746	0.7384593	0.505388	0.505388	turquoise
0.3084828	0.1899474	0.4089748	0.4487865	0.8832	0.05800456	0.8381585	0.8381585	turquoise
0.4160668	0.06752036	0.3936657	0.6464598	0.7525754	0.6763179	0.6386426	0.6386426	turquoise
0.1035452	0.9209393	0.03751181	0.7870598	0.9364134	0.529584	5.34E-05	5.34E-05	brown
0.8481483	0.09302608	0.694609	0.3011297	0.5406513	0.7754515	0.00802026	0.00802026	turquoise
0.3278862	0.00349711	0.08926142	0.8339043	0.2725892	0.7720517	1.32E-11	1.32E-11	brown
0.2924014	0.1614968	0.2206168	0.4947367	0.1888003	0.4346991	0.05906725	0.05906725	grey
0.8500899	0.4996749	0.2230371	0.0324749	0.6964056	0.6117496	0.9316937	0.9316937	grey
0.1781535	0.5963478	0.02412606	0.9015188	0.5390285	0.5122458	0.4858501	0.4858501	turquoise
0.01852279	0.04991388	0.00049951	0.0871099	0.7244356	0.1490363	8.91E-06	8.91E-06	grey
0.3394979	0.2659826	0.409224	0.111694	0.5768974	0.47296	0.00581955	0.00581955	blue
0.1135293	0.6614161	0.1812232	0.3530981	0.2973564	0.2625354	0.5182479	0.5182479	turquoise
0.7047609	0.9293963	0.00592674	0.1510762	0.7478637	0.2467442	0.00631344	0.00631344	green
0.7297434	0.2073594	0.4849713	0.7270026	0.445838	0.237015	7.52E-05	7.52E-05	blue
0.9841852	0.6023057	0.00327563	0.0222767	0.9273718	0.3591262	0.6545768	0.6545768	turquoise
0.350257	0.4924138	0.06262953	0.4961001	0.3892703	0.2954046	0.9286007	0.9286007	turquoise
0.8398525	0.7799482	0.7784591	0.6161459	0.7119567	0.5792999	0.7748846	0.7748846	purple
0.4282581	0.3053721	0.1368296	0.4785889	0.7245558	0.5481037	0.03036501	0.03036501	turquoise
0.7499079	0.06335861	0.8459722	0.5926357	0.9311508	0.4304693	3.20E-09	3.20E-09	blue
0.4513393	0.1738129	0.02822197	0.4849002	0.3679164	0.11101	9.68E-07	9.68E-07	turquoise

0.136434	0.2780449	0.8749182	0.8402154	0.5830686	0.9274705	0.4399164	0.4399164	turquoise
0.7531014	0.7374104	0.1673066	0.6461782	0.9770613	0.9208849	0.0410015	0.0410015	grey
0.5884291	0.8405314	0.9578842	0.1599128	0.496373	0.9293751	0.2685842	0.2685842	grey
0.9500867	0.06297051	0.177458	0.2302057	0.8796935	0.3292121	0.0210722	0.0210722	magenta
0.7217361	0.2780718	0.8804013	0.5283038	0.882931	0.9444513	1.26E-07	1.26E-07	turquoise
0.3204081	0.00147558	0.378631	0.4865145	0.4805719	0.6146035	4.63E-07	4.63E-07	magenta
0.4377788	0.7274742	0.8502394	0.7311118	0.4998465	0.8563631	0.00083182	0.00083182	grey
0.4914036	0.03797644	0.7432803	0.9800012	0.3798665	0.8016449	0.5007571	0.5007571	grey
0.389767	0.6585803	0.00053696	0.3355305	0.4644319	0.2510368	0.00033407	0.00033407	green
0.5088986	0.1827411	0.08317154	0.092109	0.4564553	0.4379029	0.6888168	0.6888168	turquoise
0.8910763	0.7779599	0.00710586	0.422799	0.7695824	0.3828383	0.09123658	0.09123658	turquoise
0.9795897	0.414593	0.3101431	0.9961577	0.07628961	0.9378082	0.6441072	0.6441072	grey
0.3780027	0.803948	0.4084977	0.8452217	0.2846088	0.7694394	0.03674114	0.03674114	grey
0.5908622	0.01261321	0.01356333	0.3631187	0.5330265	0.094062	3.37E-06	3.37E-06	blue
0.8639732	0.4198854	0.1063894	0.8276315	0.7628897	0.2129694	0.05607981	0.05607981	turquoise
0.5504464	0.2626167	0.8995775	0.6540985	0.7761433	0.2371683	0.4664361	0.4664361	blue
0.1284409	0.7034134	0.4586198	0.6025181	0.9244634	0.06336886	0.3078107	0.3078107	turquoise
0.314263	0.03196703	0.7531813	0.4787129	0.6654567	0.3526232	0.00011252	0.00011252	grey
0.7294789	0.7934711	0.1880018	0.2172585	0.9411896	0.08318369	0.5121739	0.5121739	red
0.2520204	0.2418762	0.00196563	0.2027022	0.5033868	0.1443515	0.00849451	0.00849451	blue
0.7646593	0.3302964	0.02788008	0.6197368	0.9446288	0.4440501	0.3405101	0.3405101	blue
0.02916919	0.737598	0.9273054	0.6168316	0.2354079	0.6216042	0.1919562	0.1919562	black
0.3276818	0.1485799	0.1937741	0.0358575	0.4484851	0.02384363	0.00343779	0.00343779	grey
0.5836724	0.3458478	0.4001792	0.6930811	0.8194834	0.9318199	0.02980146	0.02980146	blue
0.01510707	0.2433775	0.2452213	0.4511722	0.3104254	0.704785	0.01870539	0.01870539	blue
0.8345582	0.00993576	0.4830762	0.5707169	0.7880188	0.4506977	6.33E-09	6.33E-09	yellow
0.4575186	0.6790449	0.381899	0.5624955	0.4859772	0.9926558	0.1853611	0.1853611	grey
0.8806948	0.00367062	0.00784013	0.1939558	0.7027554	0.8473892	3.44E-10	3.44E-10	brown
0.5519803	0.3360286	0.2886005	0.3302858	0.71602	0.8513409	0.04631652	0.04631652	brown
0.1930614	0.2401021	0.00333459	0.7345426	0.5100541	0.8719751	4.22E-05	4.22E-05	green
0.6333647	0.3810955	0.1077886	0.6191064	0.07523197	0.7544272	0.02498341	0.02498341	grey
0.7315184	0.03245387	0.3529885	0.0582443	0.714681	0.9137049	0.00363657	0.00363657	blue
0.1827007	0.176551	0.2057137	0.2864546	0.6015381	0.6201651	4.51E-05	4.51E-05	turquoise
0.1517392	0.763692	0.00137591	0.1644296	0.3317088	0.06807011	0.0003383	0.0003383	turquoise
0.8989025	0.4375402	0.03867396	0.2759552	0.6530342	0.05784854	0.1500564	0.1500564	turquoise
0.8200029	0.3528748	0.7455666	0.8574598	0.8324893	0.6635647	0.9698997	0.9698997	turquoise
0.6366891	0.3607836	0.2849464	0.5728386	0.8487066	0.4270934	0.4978106	0.4978106	grey
3.19E-29	0.0046239	0.3955979	0.1934361	0.8465386	0.9616902	0.3491327	0.3491327	grey
0.7884154	0.02001676	0.2341068	0.5846296	0.516563	0.3929774	0.00151791	0.00151791	turquoise
0.3760089	0.1630477	0.1779583	0.3902314	0.3025587	0.5796424	0.06128483	0.06128483	blue
0.09365792	0.08174511	0.05793051	0.5188465	0.6230336	0.6532773	3.71E-11	3.71E-11	brown
0.3882627	0.365024	0.05207583	0.4092446	0.8251491	0.8920282	0.00619299	0.00619299	grey
0.1263653	0.7696971	0.1577431	0.5680034	0.777213	0.8394053	0.06472905	0.06472905	grey
0.2995699	0.1467687	0.1472279	0.667928	0.572524	0.5885622	0.00126607	0.00126607	blue
0.1328438	0.07136767	0.03003369	0.2561511	0.5251151	0.2646205	0.1213518	0.1213518	darkred
0.7790599	0.00223825	0.00912485	0.2921658	0.3737207	0.3800256	2.29E-16	2.29E-16	brown
0.03080335	0.1378822	0.2412347	0.0767328	0.3967751	0.5215855	0.00039392	0.00039392	grey
0.6391502	0.9577651	0.0338311	0.7982798	0.6216227	0.2668182	0.09391013	0.09391013	green
0.2435303	0.02711248	0.08726579	0.2759099	0.6653663	0.5273708	0.8948333	0.8948333	brown
0.9286397	0.1733037	0.00130114	0.0780522	0.3113296	0.00897864	0.04418453	0.04418453	turquoise
0.858073	0.3093029	0.4210171	0.3660859	0.3011937	0.9677335	0.01091719	0.01091719	grey
0.08059826	0.5233489	0.7830618	0.1517923	0.2950498	0.6731292	0.08656809	0.08656809	grey
0.8385656	0.3349839	0.7372275	0.6807091	0.8938633	0.7471659	0.1690531	0.1690531	grey
0.2817615	0.273938	0.1344498	0.0890966	0.4111512	0.5700006	0.9709572	0.9709572	darkred
0.5872978	0.2857822	0.00050369	0.0214306	0.135016	0.5693361	4.40E-14	4.40E-14	brown
0.8541343	0.5135932	0.7259881	0.4407227	0.2336562	0.3308331	0.00171787	0.00171787	green
0.08651287	0.02483345	0.4125441	0.2099959	0.4223153	0.4937613	0.00201497	0.00201497	grey60
0.2015113	0.6308641	0.02061241	0.1546972	0.2957115	0.2599188	0.6432522	0.6432522	turquoise
0.204589	0.7616134	0.9423498	0.9442572	0.628325	0.1646379	0.4065935	0.4065935	grey
0.9607949	0.6818706	0.1338922	0.9154628	0.8760295	0.7498531	0.02517948	0.02517948	grey
0.1783705	0.07043019	0.06697935	0.1538848	0.1375914	0.1504067	7.89E-06	7.89E-06	yellow

0.4698672	0.3803626	0.2093477	0.9646638	0.6308282	0.5486606	0.0699354	0.0699354	grey
0.4726943	0.1381429	0.07023079	0.6334904	0.875547	0.1972332	0.125963	0.125963	grey
0.4506027	0.3817685	0.146753	0.3856993	0.1561999	0.3899156	0.1135261	0.1135261	turquoise
0.01914948	0.7118046	0.1036607	0.8350574	0.5443483	0.3129842	0.2143933	0.2143933	turquoise
0.9224095	0.701263	0.03593198	0.1281298	0.113774	0.8553326	0.00025608	0.00025608	turquoise
0.8034441	0.07090945	0.2406929	0.4234349	0.9182967	0.9684503	1.10E-06	1.10E-06	brown
0.4364446	0.9589336	0.388576	0.1496317	0.7421478	0.9645744	0.00338214	0.00338214	grey
0.2433073	0.00542847	0.2516938	0.4760576	0.5074582	0.5172613	0.00019022	0.00019022	grey
0.06426949	0.06269328	0.7448334	0.7799358	0.9561654	0.9763418	0.3812941	0.3812941	grey
0.6414851	0.216213	0.4979985	0.5797972	0.915159	0.6401767	0.1515058	0.1515058	lightgreen
0.1252786	0.2629156	0.1387982	0.7684696	0.9423287	0.1947373	0.150981	0.150981	blue
0.1301292	0.7754897	0.1217787	0.1909466	0.3161625	0.6086491	0.02827272	0.02827272	turquoise
0.268737	0.04393021	0.04714012	0.1497315	0.9877514	0.03247932	2.42E-06	2.42E-06	turquoise
0.9523317	0.7549809	0.00303799	0.8788315	0.7768526	0.5480595	0.3064057	0.3064057	tan
0.8321146	0.04867833	0.1488514	0.9504896	0.0071975	0.6955566	0.00032452	0.00032452	grey
0.2587324	0.1723393	0.5858058	0.5532183	0.1074192	0.1728102	0.3613357	0.3613357	grey
0.801551	0.9706357	0.150642	0.0103088	0.4724761	0.1192809	0.2446622	0.2446622	grey
0.0272	0.2879655	0.8339373	0.9027528	0.6382459	0.4084146	0.3368231	0.3368231	turquoise
0.5674945	0.8483112	0.1619634	0.7970849	0.6211079	0.08669565	0.8901214	0.8901214	blue
0.9429969	0.1486942	0.2094085	0.3550697	0.5650244	0.3115878	0.00031468	0.00031468	brown
0.1019139	0.9283767	0.00424159	0.6756205	0.2997779	0.1979132	5.46E-05	5.46E-05	magenta
0.7501301	0.04007559	0.01711682	0.2774627	0.5363477	0.5449423	1.02E-12	1.02E-12	brown
0.4583382	0.9549189	0.04868977	0.8907561	0.9422244	0.06817659	0.9539601	0.9539601	red
0.9950167	0.5772521	0.3775796	0.1811467	0.8005622	0.1364446	0.2686714	0.2686714	grey
0.06270653	0.4115202	0.1274859	0.6295108	0.965422	0.7129442	0.4674863	0.4674863	turquoise
0.0900292	0.00524266	0.2126923	0.7882492	0.6920086	0.9726207	5.16E-10	5.16E-10	brown
0.2761337	0.0637716	0.4383906	0.9983427	0.2817601	0.4872409	8.79E-06	8.79E-06	brown
0.5300008	0.06318075	0.8204891	0.9467085	0.7338115	0.4923701	0.00012851	0.00012851	turquoise
0.9255585	0.00396649	0.00350818	0.0562221	0.05739364	0.06838504	8.25E-12	8.25E-12	yellow
0.01825221	0.02545928	0.4187283	0.5849693	0.954602	0.734737	0.03188504	0.03188504	blue
0.3274093	0.3501559	0.9351601	0.2271547	0.8133436	0.6410958	0.04676806	0.04676806	salmon
0.9481993	0.1582612	0.898358	0.8695215	0.8408674	0.8564972	2.50E-05	2.50E-05	brown
0.6856802	0.2182644	0.02639176	0.3942547	0.08745603	0.1041582	3.20E-06	3.20E-06	blue
0.7612763	0.2340855	0.4523987	0.719841	0.5962994	0.989752	0.3305321	0.3305321	grey60
0.6476343	0.7669592	0.2781544	0.6474292	0.4800335	0.2599194	0.00938025	0.00938025	grey
0.5142968	0.5999263	0.00794753	0.7042835	0.89653	0.04737483	0.00139165	0.00139165	turquoise
0.9115222	0.5345206	0.03307088	0.133357	0.9235802	0.2714782	0.01792104	0.01792104	blue
0.1488948	0.3703052	0.7517056	0.907646	0.7251561	0.285145	0.07980749	0.07980749	turquoise
0.67608	0.09845613	0.8907995	0.1136176	0.2157535	0.04691762	3.17E-05	3.17E-05	turquoise
0.884935	0.0062655	0.03376169	0.0482345	0.5298606	0.2991861	0.00644212	0.00644212	turquoise
0.07202011	0.1291246	0.9310962	0.4821983	0.8420258	0.3469706	0.248064	0.248064	blue
0.5164608	0.6640936	0.00479725	0.0839903	0.5611305	0.07969309	0.002806	0.002806	green
0.386662	0.05131786	0.1225842	0.2711261	0.8143257	0.9174281	0.2125888	0.2125888	grey
0.7999764	0.7543887	0.06493621	0.423391	0.682295	0.2553579	0.00951972	0.00951972	turquoise
0.858835	0.1188854	0.02405709	0.9008499	0.2316805	0.2996083	0.00028557	0.00028557	pink
0.3487844	0.8256282	0.8924631	0.8301877	0.6595477	0.2878373	0.02226564	0.02226564	blue
0.2757618	0.1036537	0.05860637	0.1770372	0.9249203	0.3497311	0.7352994	0.7352994	turquoise
0.09189409	0.913749	0.3557657	0.9704725	0.2965934	0.348013	0.2290933	0.2290933	brown
0.4465027	0.5037117	0.2225043	0.3337596	0.6583442	0.2701437	0.06642192	0.06642192	green
0.1317155	0.5564771	0.07679053	0.6640326	0.2018179	0.1441377	0.4375886	0.4375886	grey
0.72197	0.00351598	0.603116	0.7170543	0.3684409	0.308354	3.39E-08	3.39E-08	brown
0.5285524	0.6688387	0.4589598	0.5981686	0.7552779	0.2911312	0.3638764	0.3638764	grey
0.3292593	0.5446219	0.07587316	0.5327778	0.8091788	0.2002997	0.1967539	0.1967539	black
0.3889775	0.2140276	0.3323284	0.3560328	0.1845275	0.4933625	5.00E-06	5.00E-06	blue
0.8252189	0.929494	0.331823	0.6975736	0.6741568	0.2995155	0.01084474	0.01084474	blue
0.9611909	0.6037836	0.366114	0.5287636	0.9297087	0.2255932	2.22E-05	2.22E-05	grey
0.0776234	0.00657544	0.5676159	0.3416232	0.4784787	0.6120869	0.04214797	0.04214797	turquoise
0.7853421	0.2167688	2.88E-05	0.0916333	0.8550956	0.01285146	0.00056561	0.00056561	turquoise
0.4506055	0.09983014	0.05908681	0.9181878	0.1752444	0.472219	1.23E-09	1.23E-09	brown
0.946508	0.8166887	0.1176246	0.1800046	0.3152131	0.8857631	0.2171378	0.2171378	white
0.88774	0.06495378	0.3272187	0.1458413	0.7338637	0.3244291	3.18E-05	3.18E-05	blue

0.4828506	0.6834673	3.37E-05	0.3122922	0.2799659	0.5897914	0.00013982	0.00013982	green
0.03513494	0.2497613	0.8610798	0.7631006	0.8902031	0.09316382	0.00054112	0.00054112	turquoise
0.02818103	0.3880527	0.3512271	0.2485815	0.5082973	0.5306319	0.5022036	0.5022036	orange
0.858927	0.01023097	0.1167177	0.1921572	0.5735843	0.1270986	0.00931145	0.00931145	turquoise
0.9388264	0.7781602	0.9770343	0.7952208	0.3944202	0.8863565	0.2397325	0.2397325	grey
0.00033026	0.00613226	0.3873989	0.0895642	0.3570535	0.3827882	0.0001519	0.0001519	grey
0.07824162	0.1094768	0.4674537	0.6906086	0.3319963	0.670697	0.00179424	0.00179424	greenyellow
0.7217194	0.1644836	0.4734375	0.9933798	0.8576847	0.3160367	9.72E-05	9.72E-05	grey
0.0510587	0.1033323	0.7827542	0.3959202	0.1355242	0.4418198	5.53E-07	5.53E-07	blue
0.544586	0.2157222	0.2463029	0.6791058	0.5632496	0.3376462	0.3510282	0.3510282	turquoise
0.3316373	0.1586914	0.5912125	0.6163077	0.7633727	0.8419122	0.03466589	0.03466589	blue
0.8235515	0.8330552	0.3443864	0.0860633	0.2890445	0.4912198	0.1360461	0.1360461	grey
0.5228946	0.06712047	0.3700138	0.4999904	0.7587865	0.5604916	0.1430461	0.1430461	turquoise
0.4474828	0.3010434	0.7436698	0.9774713	0.9637729	0.5270002	0.00113796	0.00113796	turquoise
0.8675551	0.959645	0.01824173	0.1436209	0.8283373	0.7224706	0.5657859	0.5657859	grey
0.3700818	0.7926458	0.01932264	0.5135945	0.1529192	0.9630752	0.3735703	0.3735703	green
0.05666165	0.1765252	0.9729649	0.829558	0.7737404	0.4718293	0.9708245	0.9708245	lightcyan
0.3485787	0.01377043	0.1006998	0.9020746	0.9986672	0.312051	6.62E-10	6.62E-10	brown
0.8301584	0.5806204	0.057266	0.2185882	0.7011643	0.09750399	0.00211965	0.00211965	turquoise
0.1540164	0.6227723	0.6204287	0.0284482	0.6851831	0.5258397	0.521128	0.521128	blue
0.8683284	0.2849605	0.00966503	0.4237197	0.6794458	0.2926942	0.6732721	0.6732721	tan
0.2296842	0.817524	0.3184585	0.7958903	0.9747154	0.9516053	0.2601023	0.2601023	grey
0.2506669	0.01973215	0.938578	0.5295468	0.9880991	0.7299391	0.00222355	0.00222355	grey
0.9590143	0.1332899	0.5189148	0.2683399	0.6584276	0.5317917	0.00200153	0.00200153	blue
0.7994387	0.1826783	0.03399441	0.0756909	0.3719713	0.02069037	0.00118047	0.00118047	blue
0.03179022	0.7227466	0.7338957	0.5963797	0.2222197	0.5121629	0.352127	0.352127	grey
0.9238764	0.5312078	0.4194014	0.2872251	0.8045001	0.5050757	0.0482542	0.0482542	turquoise
0.8748682	0.7206151	0.03307691	0.3186254	0.7960446	0.9519333	2.43E-06	2.43E-06	green
0.9014619	0.8580534	0.01086573	0.1158926	0.6568128	0.01515792	0.00095395	0.00095395	turquoise
0.659394	0.0030367	0.00125604	0.0486921	0.2935754	0.7909661	3.24E-26	3.24E-26	brown
0.7832561	0.2957035	0.9348015	0.5814649	0.5718396	0.927575	0.09422114	0.09422114	purple
0.5558319	0.237957	0.9263453	0.0122223	0.9929355	0.2888869	0.1546607	0.1546607	grey
0.3833286	0.9265473	0.06970567	0.5755334	0.4417158	0.1835546	6.10E-05	6.10E-05	brown
0.1877581	0.1150446	0.9038832	0.7593381	0.7383122	0.4060434	1.77E-10	1.77E-10	grey
0.1732483	0.0327269	0.5514769	0.2283094	0.3797737	0.2178812	3.65E-05	3.65E-05	blue
0.3228401	0.06555285	0.1260519	0.1427039	0.3883742	0.1610873	0.9422029	0.9422029	lightcyan
0.9960729	0.2180477	0.00928815	0.4969197	0.5111298	0.04489082	0.03374608	0.03374608	turquoise
0.8331244	0.03102271	0.1356793	0.4376839	0.806679	0.0795333	0.00347979	0.00347979	blue
0.5027734	0.0518499	0.3565781	0.3769394	0.8448382	0.9817687	2.25E-15	2.25E-15	brown
0.6145846	0.8203866	0.8827688	0.7471503	0.8168687	0.8632774	0.0996547	0.0996547	salmon
0.257016	0.05023598	0.01507217	0.3976379	0.9131206	0.2771993	1.71E-05	1.71E-05	turquoise
0.1174204	0.00972119	0.1324384	0.9890665	0.5285808	0.2864672	0.0003846	0.0003846	turquoise
0.5520303	0.06462004	0.6768679	0.0929603	0.8813902	0.1260277	0.00037293	0.00037293	grey
0.2976611	0.8400039	0.313995	0.5922339	0.5107528	0.2807836	0.7972295	0.7972295	turquoise
0.3582961	0.0804593	0.03870407	0.0219868	0.9318734	0.02897997	0.00243689	0.00243689	turquoise
0.6383977	0.03900497	0.4508327	0.9163058	0.7502698	0.3908537	0.00030671	0.00030671	blue
0.3518226	0.0299324	0.1928533	0.7050489	0.6130452	0.76923	0.00034033	0.00034033	blue
0.5844596	0.393024	0.00275641	0.0398178	0.9961505	0.3847418	0.08398323	0.08398323	pink
0.6702975	0.9403344	0.6232483	0.5225116	0.9977493	0.689681	0.9024603	0.9024603	royalblue
0.7231018	0.6305994	0.0549053	0.6378673	0.8913992	0.1498698	6.81E-16	6.81E-16	yellow
0.9258034	0.8715188	0.00392945	0.3265518	0.4328085	0.4401168	0.4350219	0.4350219	tan
0.6689565	0.1023369	0.09000342	0.8428997	0.8085354	0.686887	0.00102345	0.00102345	turquoise
0.3306488	0.1944133	0.2588279	0.011317	0.6204793	0.4504124	0.00441739	0.00441739	grey
0.03599456	0.09393618	0.5957937	0.0523264	0.9893311	0.7443044	0.00858049	0.00858049	grey
0.1660906	0.932237	0.8861436	0.8143259	0.7578273	0.4818877	0.4809656	0.4809656	red
0.9984554	0.6724502	5.13E-05	0.0676402	0.8315678	0.00418259	0.4386531	0.4386531	turquoise
0.1379878	0.3938897	0.5892438	0.0382385	0.6863282	0.675765	0.00365844	0.00365844	grey
0.8043285	0.5771567	0.7070777	0.8609799	0.7968271	0.7674584	0.110853	0.110853	grey
0.1539665	0.7361468	0.1219246	0.3693149	0.9484296	0.2065567	0.1008333	0.1008333	turquoise
0.2134058	0.4521866	0.1592235	0.2627599	0.898288	0.8648783	3.08E-07	3.08E-07	salmon
0.2895727	0.08806446	0.04226071	0.8405506	0.3535353	0.3947699	7.42E-09	7.42E-09	grey

0.4014741	0.05875331	0.00080932	0.0295272	0.1322443	0.4142841	2.60E-08	2.60E-08	yellow
0.8259517	0.4911894	0.02198353	0.2818694	0.4242666	0.6337236	4.15E-10	4.15E-10	yellow
0.06208361	0.1613607	0.8021125	0.1118853	0.2003895	0.8815357	0.02810848	0.02810848	blue
0.7329932	0.1049292	0.5164108	0.6232886	0.8471691	0.6202232	0.00369548	0.00369548	brown
0.7797709	0.00202456	0.08292103	0.0065145	0.5120838	0.07637044	0.09890676	0.09890676	grey
0.2025102	0.9544848	0.00240458	0.3939343	0.4030572	0.2830045	0.7769536	0.7769536	grey
0.5905001	0.4135415	0.0015734	0.0338097	0.8779876	0.00267494	6.84E-06	6.84E-06	blue
0.7147974	0.01257157	0.00274782	0.3540728	0.4670536	0.3169284	1.17E-06	1.17E-06	brown
0.4274981	0.1045631	0.07614667	0.0281417	0.7231397	0.320093	0.1902339	0.1902339	grey
0.2201414	0.771874	0.04082638	0.7274532	0.9048061	0.8196853	0.128156	0.128156	grey
0.3286445	0.5700114	0.8774484	0.8634111	0.4523622	0.6626622	0.3163629	0.3163629	turquoise
0.2095639	0.4190674	0.01619984	0.7850737	0.8322352	0.04434017	0.00027815	0.00027815	turquoise
0.3966976	0.07080219	0.1673149	0.7593902	0.4673108	0.6747163	0.00988681	0.00988681	blue
0.111033	0.04817839	0.7156253	0.9375737	0.7986805	0.1937897	0.00781039	0.00781039	blue
0.8907105	0.1006964	0.3633044	0.7923663	0.4208785	0.2797468	0.06298888	0.06298888	turquoise
0.3562999	0.4325049	0.09609004	0.6222665	0.6414859	0.8495763	0.03557862	0.03557862	turquoise
0.0104395	0.8348096	0.05468933	0.0066004	0.2795314	0.3927652	0.1168541	0.1168541	turquoise
0.2454857	0.9949338	0.4976875	0.9676153	0.8942868	0.4811482	0.04451429	0.04451429	turquoise
0.6546444	0.2317226	0.1661352	0.069323	0.8836451	0.02340896	0.00077873	0.00077873	turquoise
0.1486806	0.1421834	0.1745608	0.4492926	0.9283373	0.2433504	0.2473235	0.2473235	grey
0.4836042	0.5295694	0.04836899	0.4756754	0.9822741	0.1354112	0.1433766	0.1433766	turquoise
0.2961561	0.2266481	0.1017514	0.2801168	0.952996	0.7698147	4.25E-18	4.25E-18	brown
0.9413907	0.2856453	0.01851642	0.1756544	0.8366837	0.1758704	0.01787654	0.01787654	grey
0.1636293	0.1936331	0.7332684	0.375072	0.9094533	0.4673525	0.2121507	0.2121507	turquoise
0.5324693	0.07715126	0.6975596	0.6023007	0.4841325	0.9969902	0.05587661	0.05587661	blue
0.6540182	0.01071352	0.03097076	0.179934	0.573889	0.02616438	0.05000131	0.05000131	turquoise
0.9881409	0.7140222	0.00500331	0.0984264	0.3058606	0.03443543	0.9873588	0.9873588	turquoise
0.9903563	0.01151959	3.43E-05	0.0792334	0.6982908	0.2656467	4.01E-29	4.01E-29	yellow
0.3480529	0.315191	0.07665421	0.7296535	0.8921715	0.2303114	0.06588955	0.06588955	blue
0.7089325	0.8634534	0.02762471	0.0406569	0.5923972	0.9580074	0.04053787	0.04053787	turquoise
0.7895593	7.23E-05	0.00551266	0.2421736	0.4574574	0.9546363	5.91E-19	5.91E-19	brown
0.6498051	0.3905921	0.02740158	0.9950466	0.5171405	0.8764037	0.06892096	0.06892096	blue
0.6154902	0.6231237	0.4163187	0.794649	0.6200014	0.4258821	0.1469694	0.1469694	turquoise
0.4974579	0.240808	0.6991888	0.8024927	0.7110823	0.6143111	0.04815	0.04815	turquoise
0.4370215	0.05855147	0.01391746	0.2178216	0.151269	0.1471557	0.00125002	0.00125002	turquoise
0.2413173	0.1281926	0.1963104	0.2592853	0.6303794	0.04574272	0.00022515	0.00022515	turquoise
0.3814505	0.02093691	0.08315342	0.007588	0.1004185	0.4961138	1.68E-07	1.68E-07	yellow
0.2804356	0.3808281	0.06674287	0.4955137	0.8893744	0.0930902	3.95E-06	3.95E-06	turquoise
0.609165	0.7916064	0.00115954	0.188143	0.8166839	0.03555212	0.1713961	0.1713961	turquoise
0.948175	0.3338995	0.9980028	0.2352659	0.565171	0.7939562	0.03995775	0.03995775	grey
0.581294	0.2286233	0.1856423	0.5269089	0.6669339	0.1289326	8.25E-08	8.25E-08	turquoise
0.0983676	0.1196924	0.1761503	0.1065464	0.2638786	0.01880537	0.01511244	0.01511244	turquoise
0.5180862	0.0340767	0.7534677	0.3458833	0.7461562	0.6723157	0.0201019	0.0201019	blue
0.3597895	0.06838815	0.00017108	0.1429446	0.5517604	0.3805704	1.30E-09	1.30E-09	green
0.2995798	0.9153961	0.9063115	0.8535734	0.4469154	0.7278217	0.3885565	0.3885565	blue
0.6784658	0.09044555	0.987529	0.7085542	0.6489327	0.9892741	0.00770815	0.00770815	grey
0.1846169	0.09417554	0.5125426	0.445764	0.4056033	0.8056776	3.92E-05	3.92E-05	grey
0.5604872	0.2720346	0.3211909	0.2543936	0.1769549	0.761759	0.00890639	0.00890639	turquoise
0.4633816	0.7646113	0.2576915	0.860328	0.6991968	0.205132	0.0307934	0.0307934	blue
0.1714571	0.359072	0.1211416	0.1854062	0.5654955	0.6501664	0.5632869	0.5632869	grey
0.446695	0.8957328	0.9461277	0.6285425	0.5575981	0.5919239	0.04584015	0.04584015	red
0.03995152	0.04738708	0.5911458	0.2172623	0.8101518	0.7901839	0.9975379	0.9975379	grey
0.1728426	0.2301541	0.8131711	0.8566259	0.5077451	0.6706425	0.00012946	0.00012946	grey
0.09222217	0.4220185	0.05524576	0.0733	0.1929269	0.01167949	0.347676	0.347676	turquoise
0.2744162	0.1092637	0.04665641	0.9900879	0.5493052	0.09712816	7.43E-09	7.43E-09	blue
0.4596195	0.00402024	0.1838069	0.844467	0.6991932	0.5446798	1.31E-12	1.31E-12	brown
0.9417753	0.3091376	0.07927599	0.2885863	0.5182588	0.2581368	2.14E-13	2.14E-13	yellow
0.2707219	0.170114	0.703514	0.4678954	0.1662318	0.1943035	0.2543965	0.2543965	grey
0.3154909	0.6865368	0.00263075	0.6111857	0.2425809	0.3896481	0.7568696	0.7568696	turquoise
0.9485598	0.05825096	0.00268593	0.2728865	0.8367701	0.09141569	0.00041862	0.00041862	turquoise
0.1184846	0.9795545	0.8648041	0.9022602	0.8881033	0.6149623	0.01339255	0.01339255	turquoise

0.1764034	0.4014391	0.2877098	0.0258958	0.5907857	0.1381692	0.09756559	0.09756559	grey
0.3328612	0.7665094	0.01161656	0.7298488	0.9844211	0.3406079	0.00046014	0.00046014	green
0.0572564	0.8989675	0.883475	0.5093613	0.7020365	0.8791854	0.2779757	0.2779757	turquoise
0.6676108	0.00619786	0.03719557	0.650889	0.8383034	0.248914	1.49E-09	1.49E-09	brown
0.8213028	0.07647057	0.2113739	0.3031535	0.6695466	0.8317394	0.846621	0.846621	greenyellow
0.2641603	0.370589	0.00032481	0.5404362	0.9625728	0.08968639	0.581861	0.581861	tan
0.9935672	0.1785966	0.2446659	0.2519084	0.6333946	0.3954312	0.4528185	0.4528185	turquoise
0.9151105	0.6821033	0.0314782	0.3323485	0.7106965	0.3469294	0.00266946	0.00266946	turquoise
0.5365266	0.4820725	0.7748331	0.813977	0.8376428	0.9776211	0.9452519	0.9452519	red
0.661525	0.3194484	0.6001106	0.3220471	0.183537	0.4500528	0.6069549	0.6069549	grey
0.2178743	0.4974451	0.2433006	0.1553242	0.05901046	0.4207092	0.7437199	0.7437199	greenyellow
0.4868847	0.8136809	0.8669299	0.3881555	0.2137909	0.4568754	0.7906051	0.7906051	grey
0.7027865	0.1112941	0.2459218	0.0616047	0.06142206	0.2722124	3.49E-13	3.49E-13	purple
0.6757916	0.954699	0.442823	0.2435188	0.8818295	0.8133494	0.03009109	0.03009109	blue
0.6565168	0.0279483	0.02498338	0.0958946	0.1665745	0.5591637	1.73E-12	1.73E-12	brown
0.5608965	0.06002694	0.9529628	0.1477294	0.721677	0.8969035	0.7932516	0.7932516	grey
0.4591572	0.7268037	0.09766919	0.5970153	0.4687091	0.09737381	0.1538503	0.1538503	grey
0.6473537	0.2422247	0.4208185	0.7083185	0.8238599	0.507056	0.4962697	0.4962697	grey
0.462157	0.9874413	0.8619392	0.3843006	0.7989992	0.7106547	0.09739628	0.09739628	blue
0.9722789	0.7547963	0.8941318	0.2431949	0.06395409	0.4980774	0.4320623	0.4320623	greenyellow
0.697252	0.4497115	0.7877668	0.3571361	0.7715622	0.9558118	0.9282523	0.9282523	blue
0.5612416	0.6389821	0.01685103	0.9601514	0.3323814	0.2117256	0.6649348	0.6649348	turquoise
0.3352509	0.08776491	0.9427489	0.6408021	0.9107484	0.9316396	0.00267893	0.00267893	blue
0.9463591	0.7871139	0.01010844	0.0275149	0.989456	0.08826526	0.05113205	0.05113205	grey
0.2692581	0.797467	0.9178205	0.8847788	0.6605033	0.6487483	0.9559735	0.9559735	blue
0.332571	0.4777647	0.276581	0.4078637	0.39271	0.2985232	0.00638925	0.00638925	blue
0.3172293	0.04055931	0.1358175	0.9979268	0.747494	0.03086634	3.08E-05	3.08E-05	blue
0.6816982	0.177881	0.8871212	0.9384851	0.3035062	0.9986805	0.1096139	0.1096139	grey
0.3212792	0.9526014	0.04108476	0.5995183	0.6760225	0.9189139	0.4875181	0.4875181	pink
0.08380696	0.9264909	0.3139259	0.0586772	0.1276484	0.1151894	6.22E-05	6.22E-05	grey
0.2022632	0.07885857	0.691329	0.2807702	0.3491738	0.5106912	0.00050342	0.00050342	turquoise
0.4724303	0.9158713	0.00127824	0.0365959	0.6327171	0.02472075	0.00020419	0.00020419	green
0.646767	0.02812988	0.1894861	0.6122999	0.5078276	0.8406758	0.01125859	0.01125859	blue
0.8105295	0.2227459	0.1121789	0.1434439	0.00575399	0.07079724	0.1236739	0.1236739	turquoise
0.1774448	0.04269728	0.09126123	0.798275	0.6155291	0.6470607	2.28E-05	2.28E-05	blue
0.4214102	0.00913124	0.00028213	0.2077788	0.5408661	0.03409605	0.09519357	0.09519357	grey
0.1244472	0.3993234	0.9013443	0.7119882	0.3066209	0.4640407	0.5372149	0.5372149	grey
0.3759518	0.00569077	0.2771967	0.7197168	0.4513946	0.7651933	3.17E-07	3.17E-07	blue
0.9150363	0.04071188	0.00038688	0.0782867	0.9136224	0.1320929	0.01440772	0.01440772	turquoise
0.7989434	0.0016723	0.1043963	0.1115125	0.7815959	0.3663092	0.00042501	0.00042501	grey60
0.6278482	0.5179517	8.51E-05	0.0293362	0.3718025	0.1112577	0.00153839	0.00153839	turquoise
0.6512086	0.03101665	0.5750334	0.8729032	0.5416907	0.3719107	0.0001483	0.0001483	blue
0.5174136	0.1979029	0.427599	0.2517209	0.5882679	0.9881898	0.04223926	0.04223926	turquoise
0.8592127	0.930307	0.261764	0.0735873	0.2440235	0.620726	0.6146407	0.6146407	grey
0.832712	0.00340918	0.2349883	0.1656912	0.5668017	0.6567708	1.12E-11	1.12E-11	brown
0.5843569	0.6870917	0.7048372	0.7046246	0.8703259	0.748805	0.3205006	0.3205006	grey
0.04652753	0.9362587	0.4736942	0.5972605	0.1505386	0.7005552	0.3057659	0.3057659	turquoise
0.0278214	0.07548254	0.362117	0.0938904	0.6513202	0.07395534	0.1265887	0.1265887	turquoise
0.6225799	0.09026717	0.9071967	0.0636624	0.05866102	0.04327173	0.9817293	0.9817293	turquoise
0.2232868	0.9051058	0.8811726	0.9859766	0.5805405	0.6994035	0.00309441	0.00309441	grey
0.1282338	0.2249033	0.2433595	0.8946905	0.9662839	0.6353729	0.00583354	0.00583354	grey
0.4185942	0.635052	0.2579405	0.8981595	0.6336637	0.06306187	0.04013797	0.04013797	red
0.5251898	0.1292054	0.4804936	0.7732657	0.9129409	0.378295	0.9872336	0.9872336	blue
0.09794281	0.9204608	0.00758378	0.0125355	0.2985195	0.3825797	1.97E-10	1.97E-10	yellow
0.7277491	0.6864907	0.01882818	0.4215932	0.2350784	0.03999546	0.0003337	0.0003337	grey
0.777677	0.08476873	0.04386364	0.4644286	0.910744	0.7005702	0.00986728	0.00986728	turquoise
0.03971945	0.2748783	0.3166941	0.8029991	0.4818484	0.03669621	6.98E-09	6.98E-09	blue
0.2692033	0.00011199	0.09375572	0.522607	0.9885329	0.5621175	5.76E-16	5.76E-16	brown
0.2729414	0.1245266	0.01589917	0.0913831	0.6152461	0.04054824	0.07100704	0.07100704	turquoise
0.4751241	0.1219589	0.06183544	0.1073414	0.833328	0.03654362	0.05267045	0.05267045	turquoise
0.1091363	0.7808167	0.2257316	0.9443677	0.8869408	0.9395035	0.01560593	0.01560593	black

0.6126309	0.00947943	0.050951	0.6634672	0.7940118	0.4778995	3.21E-12	3.21E-12	brown
0.868579	0.7285996	0.5443301	0.7778839	0.9042428	0.03645697	0.2074613	0.2074613	turquoise
0.4709142	0.00323699	0.7974701	0.7972342	0.6555261	0.3703993	1.10E-09	1.10E-09	blue
0.7941984	0.2183809	0.9867081	0.0850062	0.8658169	0.3224925	0.1030376	0.1030376	grey
0.6389517	0.4487823	0.03476353	0.2174303	0.9080048	0.2850617	9.49E-05	9.49E-05	turquoise
0.7709508	0.02532378	0.1037587	0.9069688	0.1254452	0.4798935	1.00E-09	1.00E-09	green
0.8338365	0.6518781	0.2511727	0.3414248	0.4400247	0.1290411	0.7352899	0.7352899	cyan
0.5258888	0.7073694	0.263296	0.5985847	0.9489333	0.7224805	0.7669468	0.7669468	royalblue
0.1671892	0.9073313	0.8411436	0.5032498	0.8126744	0.5724686	0.9665523	0.9665523	grey
0.1097342	0.8366721	0.1773228	0.604723	0.5477839	0.8343627	0.05985394	0.05985394	grey
0.3763521	0.6447401	0.6339552	0.5191782	0.4552765	0.5427987	0.02073351	0.02073351	grey
0.5673124	0.00360615	0.00968698	0.2197447	0.9446225	0.4042782	1.76E-15	1.76E-15	brown
0.889174	0.9205349	0.9774684	0.4720138	0.2544013	0.06338298	4.22E-09	4.22E-09	grey
0.2702431	0.7719729	0.3928563	0.4041021	0.8501242	0.7540883	0.4647296	0.4647296	red
0.8405251	0.04812083	0.7129737	0.6710136	0.8641152	0.7494592	0.2111014	0.2111014	blue
0.4327227	0.957176	0.7854188	0.0639293	0.5030317	0.6800739	0.4020259	0.4020259	turquoise
0.8250444	0.07050313	0.148984	0.5901429	0.3390871	0.6926112	1.39E-06	1.39E-06	grey
0.4656707	0.5762609	0.00180794	0.6085353	0.465747	0.0355342	2.24E-05	2.24E-05	turquoise
0.7248363	0.6288622	0.2788188	0.7298999	0.1592102	0.2460284	4.26E-06	4.26E-06	yellow
0.3700488	0.7814903	0.6164813	0.1871149	0.2599728	0.5952384	0.03253868	0.03253868	grey
0.3931283	0.00190563	0.1183633	0.7783781	0.7680093	0.9084466	6.12E-13	6.12E-13	brown
0.7108608	0.567026	0.2855087	0.5087371	0.6227715	0.2030821	0.2205562	0.2205562	turquoise
0.8992677	0.01466292	0.01867331	0.6234536	0.6336608	0.8639037	5.71E-13	5.71E-13	yellow
0.1114981	0.8763079	0.9089167	0.4753525	0.1952752	0.3753198	0.9598774	0.9598774	turquoise
0.5153622	0.8013861	0.3995256	0.9402207	0.649006	0.6134361	0.01392572	0.01392572	turquoise
0.4113117	0.9236795	0.3589123	0.2674309	0.5789948	0.09775954	0.06175447	0.06175447	turquoise
0.7825609	0.8126972	0.470563	0.5696366	0.8555458	0.9724267	0.4232591	0.4232591	grey
0.05988989	0.4335061	0.00333639	0.8362331	0.3723147	0.110161	0.6278097	0.6278097	blue
0.4254332	0.2874482	0.5662749	0.2377199	0.02726204	0.9065936	0.08261755	0.08261755	grey
0.2950534	0.8129951	0.2293583	0.703702	0.3087988	0.266936	0.00541626	0.00541626	grey
0.5512892	0.03535431	0.337062	0.7272705	0.6239454	0.1598604	4.62E-05	4.62E-05	grey
0.4552826	0.80155	4.41E-06	0.0220157	0.9280122	0.01337849	0.7053637	0.7053637	turquoise
0.01366122	0.07064634	0.2296861	0.7107723	0.9484826	0.1689673	0.02368103	0.02368103	turquoise
0.6169174	0.6828108	0.7446096	0.855706	0.24558	0.4946471	0.01302448	0.01302448	turquoise
0.6802291	0.7707191	0.9715021	0.5145048	0.322719	0.5528701	0.3868824	0.3868824	salmon
0.211413	0.1859871	0.2076365	0.9554055	0.4726144	0.2311701	0.0012043	0.0012043	blue
0.9054597	0.3189236	0.5867196	0.5041695	0.9331179	0.4253551	0.00522347	0.00522347	blue
0.1091728	0.3470187	0.4471012	0.9064726	0.4139541	0.8142281	0.3230086	0.3230086	midnightblue
0.3405856	0.3884007	0.7729454	0.5410772	0.9699312	0.3747155	0.3197342	0.3197342	grey
0.9233345	0.08008485	0.6166069	0.5648997	0.5672749	0.7803511	3.66E-06	3.66E-06	blue
0.2159012	0.02907739	0.5182913	0.1719856	0.980287	0.4720704	3.41E-05	3.41E-05	salmon
0.6917961	0.7022188	0.1143372	0.7738749	0.2306308	0.1990304	0.8884685	0.8884685	grey
0.5255044	0.1821609	0.9653206	0.9751142	0.649237	0.8473017	0.012318	0.012318	blue
0.9107191	0.3742359	0.02066221	0.130466	0.1986522	0.02681561	0.6874541	0.6874541	turquoise
0.2832068	0.938754	0.1361735	0.472322	0.7164972	0.7882095	0.01102592	0.01102592	grey
0.2964256	0.03272455	0.9248875	0.6708836	0.4760155	0.9929103	0.00268641	0.00268641	grey60
0.8249517	0.7712904	0.9224859	0.953751	0.5022601	0.5590057	0.6071252	0.6071252	blue
0.8056281	0.03349287	0.2205005	0.3610208	0.8040744	0.8136534	1.24E-09	1.24E-09	brown
0.6458612	0.2123019	0.0729882	0.2588078	0.3483862	0.4364324	0.6876101	0.6876101	pink
0.4983166	0.1155388	0.00335955	0.10694	0.5630526	0.00657395	0.2999205	0.2999205	grey
0.6741336	0.2241685	0.2739964	0.9223146	0.4791398	0.1664746	0.00410671	0.00410671	blue
0.2584971	0.2719336	0.7773972	0.11148	0.6976285	0.6526851	0.2119406	0.2119406	blue
0.6535612	0.3267859	0.6959287	0.2695449	0.6009413	0.6780301	0.166487	0.166487	black
0.2412307	0.831517	0.1471662	0.3076382	0.8852476	0.1118029	0.00210579	0.00210579	turquoise
0.7669831	0.0004092	0.549077	0.6413	0.7495134	0.9086277	0.0422429	0.0422429	green
0.5359894	0.5380285	0.5940927	0.3169708	0.6316513	0.8620315	0.8726212	0.8726212	grey
0.2164566	0.3059481	0.0752661	0.0125371	0.7961626	0.09428751	0.6358333	0.6358333	turquoise
0.298922	0.1330301	0.4584544	0.9937063	0.1686207	0.8505985	0.4084572	0.4084572	blue
0.7988756	0.1024157	0.5730172	0.0839185	0.8832679	0.219355	0.00084576	0.00084576	yellow
0.2005232	0.09558024	0.1508981	0.9743254	0.1844643	0.3450338	0.9085561	0.9085561	blue
0.3127443	0.4120094	0.06337514	0.5587773	0.9613202	0.1602598	0.3416176	0.3416176	grey

0.5360636	0.8397747	0.0661919	0.4764915	0.953265	0.6656971	0.881332	0.881332	blue
0.6852298	0.2833104	0.9720652	0.1126692	0.5182373	0.287593	0.1962864	0.1962864	grey
0.9334568	0.1042743	0.1180787	0.3982491	0.04036839	0.2711958	0.09312661	0.09312661	blue
0.01671528	0.3564212	0.1906104	0.7383455	0.1467215	0.7554081	0.00069959	0.00069959	grey
0.1409404	0.7334395	0.9106816	0.3136355	0.5400594	0.525131	0.8351891	0.8351891	grey
0.3349417	0.6743818	0.676999	0.9826895	0.2437057	0.9095218	0.5979362	0.5979362	turquoise
0.4366018	0.6274153	0.00955971	0.3034141	0.7460579	0.3897924	0.2364046	0.2364046	pink
0.0483123	0.00101159	0.6917776	0.0912157	0.9784184	0.5401231	5.52E-07	5.52E-07	blue
0.5216676	0.6450903	0.2409103	0.6482274	0.8798892	0.2960698	0.1517765	0.1517765	turquoise
0.9314846	0.2385208	0.2291318	0.7650953	0.9525022	0.6088857	0.2773681	0.2773681	green
0.7123114	0.8008712	0.295863	0.7160708	0.82347	0.08289724	0.4472845	0.4472845	turquoise
0.03287206	0.5088455	0.1752399	0.6324667	0.2326071	0.8944215	0.03323097	0.03323097	grey
0.9169987	0.9903522	0.03375112	0.3770502	0.7832728	0.1448638	0.02595034	0.02595034	white
0.7444377	0.5871665	0.00190198	0.134307	0.8333005	0.1984516	2.63E-05	2.63E-05	turquoise
0.1084355	0.01099486	0.1517953	0.1483898	0.2413467	0.5467403	0.02966642	0.02966642	turquoise
0.5445114	0.09131371	0.00075098	0.0456073	0.964314	0.2482959	0.03182355	0.03182355	turquoise
0.6385689	0.3838994	0.0015732	0.0564727	0.5876459	0.2229361	0.00237939	0.00237939	turquoise
0.1661138	0.1889186	0.2713252	0.9311309	0.9827574	0.9819287	0.07084967	0.07084967	grey
0.4054575	0.1011638	0.03946807	0.2241685	0.3581272	0.1723115	0.3565183	0.3565183	turquoise
0.5698466	0.2701409	0.00090176	0.0192008	0.552929	0.1571688	1.77E-06	1.77E-06	brown
0.04450928	0.8979197	0.775899	0.3999904	0.6874001	0.0774026	0.00132425	0.00132425	turquoise
0.5760651	0.661167	0.6062535	0.5412687	0.2494116	0.727812	0.142222	0.142222	grey
0.4747079	0.00394135	0.692701	0.9769779	0.5625299	0.4339488	1.88E-06	1.88E-06	blue
0.02579842	0.00155683	0.4462681	0.482318	0.7798974	0.9836902	1.28E-09	1.28E-09	blue
0.5213603	0.01395039	0.2895572	0.1836307	0.7667354	0.9187466	5.75E-07	5.75E-07	brown
0.7266525	0.4078426	0.7037991	0.2918665	0.2962008	0.595713	0.00014091	0.00014091	grey
0.4049432	0.04608947	0.00026395	0.0151118	0.8298232	0.0682365	3.01E-09	3.01E-09	brown
0.1731165	0.7612173	0.16195	0.41682	0.697144	0.2178742	0.00984746	0.00984746	turquoise
0.7765168	0.7058691	5.54E-05	0.0045872	0.6934012	0.6943936	1.04E-05	1.04E-05	magenta
0.1969591	0.318469	0.5534762	0.6492521	0.8421966	0.7538182	0.04900573	0.04900573	grey
0.7322552	0.4917606	0.269486	0.5392073	0.1086598	0.7652876	0.00188903	0.00188903	grey
0.1783025	0.9754162	0.00256694	0.3563934	0.811586	0.04842829	0.6805334	0.6805334	turquoise
0.7204714	0.9389304	0.0038856	0.0711977	0.8473645	0.01823941	0.6081501	0.6081501	turquoise
0.3123973	0.07515145	0.0343788	0.3112195	0.8404852	0.4755217	0.0026965	0.0026965	brown
0.3000099	0.09762697	0.0119301	0.53496	0.4459064	0.4657223	2.83E-19	2.83E-19	yellow
0.03200373	0.8653726	0.1146858	0.3558738	0.6899051	0.8954847	0.9578046	0.9578046	blue
0.2224811	0.4050058	0.3823096	0.0407979	0.734397	0.7734153	0.00394638	0.00394638	grey
0.950994	0.8388546	0.6994691	0.4447967	0.5901768	0.3870358	0.00087258	0.00087258	grey
0.2638823	0.4681746	0.202814	0.76419	0.9857734	0.9236971	0.6258758	0.6258758	turquoise
0.4366051	0.6195928	0.4455386	0.1171659	0.1225734	0.3822972	0.9325604	0.9325604	grey
0.1056456	0.8389409	0.0041468	0.2340005	0.4565774	0.7406619	1.03E-09	1.03E-09	yellow
0.01451727	0.2818578	0.7577178	0.9287864	0.4630534	0.3072085	0.00481097	0.00481097	grey
0.5328023	0.3418532	0.02952682	0.9201849	0.904744	0.3032391	0.1511833	0.1511833	magenta
0.3474839	0.6347868	0.935824	0.5523893	0.4720055	0.3928865	0.00233893	0.00233893	purple
0.4381114	0.1190869	0.1399803	0.4532264	0.9924973	0.3947025	0.3266995	0.3266995	turquoise
0.00849089	0.0308543	0.3853316	0.7013944	0.2746646	0.60706	0.00015487	0.00015487	turquoise
0.6655951	0.7092757	0.0001155	0.0183609	0.9863063	0.06138822	0.243009	0.243009	turquoise
0.952466	0.5746721	0.09401101	0.2279231	0.6008632	0.23885	0.1588934	0.1588934	turquoise
0.9688464	0.134795	0.03169514	0.29192	0.7134349	0.03460101	2.17E-05	2.17E-05	turquoise
0.7919022	0.3684408	0.01380153	0.2291807	0.8414813	0.00172735	0.02040503	0.02040503	blue
0.1613785	0.8994092	0.4649045	0.7415949	0.6908108	0.6607663	1.03E-19	1.03E-19	lightgreen
0.6524803	0.9138769	0.2715971	0.0979623	0.5597644	0.207858	0.4366463	0.4366463	grey
0.1345811	0.5185435	0.02619549	0.4386173	0.9528922	0.4134206	0.01181265	0.01181265	grey
0.7661966	0.3690231	0.00012364	0.0420668	0.9689531	0.01514832	0.6117985	0.6117985	turquoise
0.8481725	0.7152666	0.0268449	0.0226356	0.5756553	0.07073092	0.02904237	0.02904237	turquoise
0.5364212	0.6048332	0.5393918	0.1831194	0.4980039	0.5224771	0.668023	0.668023	grey
0.947646	0.05996538	0.8460127	0.0486031	0.7497377	0.7576072	0.03420686	0.03420686	grey
0.9967181	0.8382352	0.4598009	0.7942563	0.6585134	0.5428096	0.6870501	0.6870501	black
0.24644	0.9278694	0.01334603	0.4843776	0.8901501	0.4676439	0.00532774	0.00532774	grey
0.8963791	0.5038494	0.2927449	0.6754131	0.387078	0.647254	0.00196217	0.00196217	black
0.6438564	0.9192687	0.00549083	0.4593038	0.8382419	0.8139322	0.01405013	0.01405013	magenta

0.2837332	0.1303936	0.08217197	0.6720526	0.7938123	0.2681919	0.00015959	0.00015959	turquoise
0.7344656	0.5452178	0.9777028	0.8811857	0.8165399	0.8938186	0.0005581	0.0005581	grey
0.2181431	0.03332409	0.8192521	0.6539766	0.6672374	0.8188149	0.04524494	0.04524494	grey60
0.08082274	0.172847	0.0555232	0.6677808	0.7360056	0.4680709	0.01752865	0.01752865	turquoise
0.381214	0.01482581	0.8919067	0.7097259	0.5083915	0.4581458	1.58E-06	1.58E-06	blue
0.5678799	0.01937588	0.05947572	0.3454273	0.9745976	0.1331449	0.00075989	0.00075989	grey
0.8402575	0.6092231	0.2160915	0.8031019	0.8836212	0.9019852	0.4229186	0.4229186	darkturquoise
0.2489339	0.03039779	0.8908298	0.2230883	0.2539083	0.8243562	0.00528956	0.00528956	grey
0.872905	0.4069559	0.4559501	0.8392522	0.6085208	0.6120185	0.1440715	0.1440715	blue
0.7270561	0.9458748	0.00891661	0.5571853	0.922126	0.04303224	0.360791	0.360791	turquoise
0.8035057	0.00532795	0.1586043	0.1243711	0.457254	0.5837761	1.03E-09	1.03E-09	brown
0.3065104	0.09289825	0.02298408	0.4496362	0.7200702	0.2669492	1.45E-11	1.45E-11	brown
0.01034248	0.1741192	0.3807217	0.8567041	0.3939246	0.2499335	0.00036021	0.00036021	blue
0.5260902	0.2275556	0.4396609	0.4257179	0.3951495	0.5711399	0.0044679	0.0044679	blue
0.5048056	0.04584621	0.00123393	0.3870454	0.5031574	0.6743388	6.88E-35	6.88E-35	yellow
0.725944	0.04123763	0.4104435	0.8149095	0.08585095	0.1992639	0.04629541	0.04629541	grey
0.3389393	0.2608643	0.5805952	0.6730134	0.9728715	0.3180495	0.08420551	0.08420551	purple
0.2605212	0.2616367	0.02426136	0.0546993	0.7035243	0.415716	1.11E-05	1.11E-05	grey
0.8588471	0.1633019	0.1184457	0.9491641	0.7463087	0.8650831	0.02460282	0.02460282	turquoise
0.1060237	0.03811004	0.8018896	0.7125921	0.8485095	0.9109354	0.00116703	0.00116703	turquoise
0.8277227	0.6214927	0.3678233	0.8149695	0.263657	0.08245057	0.1926291	0.1926291	blue
0.3481064	0.5258858	0.4254131	0.3139593	0.1291033	0.8423765	0.7031282	0.7031282	grey
0.7238483	0.5570524	0.9957962	0.5964383	0.904896	0.810773	0.1113498	0.1113498	blue
0.2596794	0.3401269	0.9873049	0.4024408	0.6616624	0.260865	0.1144306	0.1144306	grey
0.07963218	0.3754478	0.1523513	0.6166495	0.668393	0.1872028	0.5339022	0.5339022	grey
0.1199094	0.7168428	0.6380752	0.9588128	0.8694616	0.4296922	0.596989	0.596989	red
0.9398352	0.7955836	0.8364828	0.6797151	0.6363865	0.4087353	0.908075	0.908075	grey
0.4311595	0.7855044	0.01057995	0.0217502	0.6854996	0.0076088	0.01435295	0.01435295	turquoise
0.6617622	0.6593089	0.7101563	0.0270072	0.3445044	0.7863658	0.4634797	0.4634797	royalblue
0.447496	0.2326091	0.04364513	0.0694569	0.413064	0.3900759	0.07403985	0.07403985	turquoise
0.2069848	0.6154817	0.4894693	0.9765313	0.2935743	0.6432387	0.1670623	0.1670623	blue
0.8994223	0.4767438	0.3819996	0.8198378	0.5243153	0.8826728	0.04699563	0.04699563	pink
0.5934403	0.9206356	0.1367643	0.4666247	0.656276	0.5176251	0.1756109	0.1756109	grey
0.3588905	0.08255565	0.8176439	0.8911514	0.1405042	0.6195955	1.48E-08	1.48E-08	blue
0.3912345	0.1595338	0.6237743	0.5765981	0.06137754	0.7946216	0.00064763	0.00064763	grey
0.7340381	0.08336322	0.5577813	0.8344281	0.5250842	0.1909121	0.01361632	0.01361632	grey
0.2870829	0.3643976	0.4195546	0.1236537	0.585544	0.0645926	0.1267186	0.1267186	turquoise
0.5197171	0.1929298	0.2758297	0.9445611	0.2612845	0.6029403	0.00680932	0.00680932	turquoise
0.3927083	0.4298149	0.2166414	0.5213908	0.3339323	0.6033787	0.1020896	0.1020896	green
0.8757429	0.3325429	0.2572505	0.4683863	0.5024616	0.8420207	0.2335036	0.2335036	cyan
0.2219622	0.7703552	0.7036465	0.8811403	0.8404939	0.9763263	0.00440308	0.00440308	turquoise
0.03783294	0.5394882	0.6233521	0.4255845	0.8166761	0.5082003	0.1994444	0.1994444	grey
0.1325182	0.4814076	0.02766087	0.6896081	0.7610122	0.9023299	0.127689	0.127689	magenta
0.1326718	0.3614788	0.6947908	0.4758305	0.9142057	0.8048332	0.8488437	0.8488437	blue
0.8431422	0.9839071	0.4803347	0.9543849	0.2440646	0.734728	0.1795626	0.1795626	grey
0.7686352	0.3223968	0.00014949	0.0533578	0.2304575	0.1685359	1.29E-09	1.29E-09	magenta
0.02124705	0.1711113	0.3023161	0.8668757	0.9697531	0.6028039	0.1578277	0.1578277	turquoise
4.76E-05	0.2121585	0.459535	0.3124966	0.58201	0.1191165	0.02207494	0.02207494	grey
0.3785231	0.6260172	0.4641656	0.050705	0.7989628	0.2830866	5.02E-08	5.02E-08	yellow
0.3932274	0.4893183	0.9773893	0.56331	0.9967347	0.3638121	0.7700174	0.7700174	grey
0.4349237	0.9494469	0.4546906	0.137978	0.3020773	0.2739505	0.01778376	0.01778376	turquoise
0.2276652	0.9888574	0.626247	0.4163062	0.5961624	0.5232705	0.2162003	0.2162003	grey
0.1237744	3.84E-07	0.4366311	0.2097894	0.4655664	0.6275609	0.0009887	0.0009887	brown
0.1707115	0.537708	0.00075824	0.093151	0.889259	0.176352	0.09731037	0.09731037	pink
0.4905666	0.580626	0.4826561	0.6759942	0.3870812	0.5503741	1.26E-05	1.26E-05	blue
0.5605102	0.3231306	0.00075492	0.0523811	0.9913579	0.7513142	5.44E-28	5.44E-28	yellow
0.7342941	0.1603717	0.5727095	0.8794486	0.9619916	0.4224123	0.00274301	0.00274301	lightyellow
0.4755343	0.06698191	0.1124009	0.6828173	0.8602397	0.1797976	0.06335977	0.06335977	grey
0.7991329	0.1805811	0.1784129	0.7730829	0.2612165	0.6035769	0.8349137	0.8349137	grey
0.1809707	0.4527332	0.1051299	0.2691292	0.7766893	0.1828824	0.2779883	0.2779883	turquoise
0.7106384	0.4875781	8.07E-05	0.4742346	0.2758088	0.03169073	0.00600264	0.00600264	turquoise

0.5877013	0.03233419	0.5608395	0.9753986	0.8667087	0.3933098	0.09479139	0.09479139	turquoise
0.1993143	0.684922	0.06653957	0.0655377	0.7138297	0.3014228	0.6542123	0.6542123	blue
0.1747501	0.00101835	0.9896362	0.2153192	0.5951486	0.9038617	0.01979491	0.01979491	grey60
0.1052184	0.04665959	0.4297605	0.0581932	0.9333589	0.1664512	0.03969848	0.03969848	greenyellow
0.1676963	0.7166266	0.04353214	0.3640304	0.3920284	0.1652763	0.3521865	0.3521865	grey
0.9257672	0.286625	0.04938429	0.3473039	0.2639479	0.1120451	0.9916684	0.9916684	turquoise
0.9063027	0.00404664	0.00633224	0.0227079	0.3824748	0.8001766	3.49E-17	3.49E-17	brown
0.2502842	0.9033727	0.8618669	0.3743833	0.7008224	0.382221	0.00097096	0.00097096	grey
0.04795181	0.00059443	0.1627804	0.3951729	0.7671473	0.3308581	1.21E-10	1.21E-10	blue
0.2616086	0.842433	0.6165627	0.956432	0.9742678	0.4408705	0.9151191	0.9151191	red
0.5809393	0.8057009	0.8556983	0.6847376	0.03201209	0.07379442	0.6422422	0.6422422	blue
0.9451304	0.7720036	0.06765023	0.2274114	0.5916713	0.3302907	0.03339843	0.03339843	turquoise
0.7045151	0.5865773	0.05403864	0.7427704	0.5524307	0.9329516	0.7637108	0.7637108	grey
0.2765941	0.69935	0.2728767	0.1892647	0.05916925	0.1692417	0.01232753	0.01232753	grey
0.5313461	0.3073554	0.00040717	0.1485902	0.8725409	0.09696637	0.8739307	0.8739307	green
0.8632079	0.9415136	0.08927644	0.7736729	0.7747923	0.3542324	0.04057897	0.04057897	grey
0.2296593	0.1094752	0.3617533	0.8832265	0.964359	0.2970563	0.00436869	0.00436869	blue
0.09613179	0.1416722	0.308281	0.7706286	0.3609966	0.5566453	0.02250079	0.02250079	blue
0.3300403	0.1349908	0.5704963	0.7996676	0.3371965	0.8963527	0.9248969	0.9248969	grey
0.5011865	0.2365507	0.0059419	0.1101306	0.3413966	0.1735146	0.2100778	0.2100778	grey
0.3536097	0.00125419	0.08727606	0.4267181	0.1761385	0.242762	2.57E-06	2.57E-06	grey
0.7182501	0.09085445	0.6311688	0.3355887	0.4560312	0.8717964	0.2225576	0.2225576	turquoise
0.03058184	0.1767454	0.9610865	0.3020628	0.4991132	0.6609598	0.00534154	0.00534154	blue
0.3297841	0.2473466	0.8358963	0.934109	0.9154488	0.6014799	0.08785427	0.08785427	greenyellow
0.942058	0.2221688	0.5749892	0.4676866	0.06281098	0.8130616	0.7655842	0.7655842	blue
0.987885	2.49E-06	0.00015024	0.177448	0.6894153	0.01723499	1.99E-06	1.99E-06	grey
0.5712505	0.9614988	0.1593796	0.6925106	0.8926103	0.3425573	0.04912242	0.04912242	grey
0.2977633	0.00282686	0.00916594	0.606061	0.1171689	0.4370222	5.98E-13	5.98E-13	brown
0.7673132	0.3962252	0.2990513	0.6237836	0.9791647	0.947554	0.00388951	0.00388951	grey
0.8052056	0.02615101	0.1493299	0.4313864	0.9381891	0.5000681	0.113363	0.113363	turquoise
0.1216457	0.6416022	0.829638	0.934581	0.4961917	0.8812756	0.6183505	0.6183505	grey
0.2855841	0.6487788	0.8069257	0.5941498	0.9983323	0.1611254	0.4615263	0.4615263	turquoise
0.5656271	0.3582346	0.3364016	0.41816	0.1409608	0.8648868	0.01386384	0.01386384	turquoise
0.3193104	0.03043878	0.00106486	0.9202178	0.8901293	0.1965277	0.4693766	0.4693766	grey
0.08932073	0.8747074	0.4923086	0.3749781	0.01754652	0.1296258	0.00700888	0.00700888	grey
0.8282967	0.2455591	0.5469135	0.3551952	0.712057	0.4391921	0.00915408	0.00915408	turquoise
0.9965779	0.3269523	0.1169222	0.7560168	0.4558979	0.8799941	0.05424339	0.05424339	grey
0.771996	0.3332447	0.1727117	0.5586549	0.1543469	0.6948768	0.2436494	0.2436494	blue
0.772693	0.942913	0.3433443	0.8133203	0.938076	0.2305946	0.861654	0.861654	turquoise
0.4734643	0.5527294	0.3560568	0.658699	0.4889786	0.9298918	0.00011539	0.00011539	grey
0.2818083	0.05222235	0.4969976	0.1877478	0.7420823	0.7509951	7.83E-07	7.83E-07	lightyellow
0.6762769	0.09087369	0.872354	0.841656	0.1286769	0.7841226	0.1393538	0.1393538	grey
0.1245493	0.9496819	0.10538	0.321463	0.5587223	0.1174576	0.21033	0.21033	grey
0.5475236	0.5595949	0.5984755	0.6608929	0.07779574	0.2225963	0.8073955	0.8073955	grey
0.5445948	0.4910124	0.9193266	0.1751945	0.3226272	0.7370664	0.03490019	0.03490019	blue
0.6978527	0.3211985	0.5853953	0.7467177	0.6870843	0.976716	0.03099133	0.03099133	turquoise
0.6865249	0.06298943	0.1840097	0.8472149	0.5081553	0.9175903	0.0023239	0.0023239	grey
0.7850551	0.525119	0.01335878	0.8849998	0.997146	0.01602572	0.00460644	0.00460644	grey
0.5229076	0.9412828	0.1635467	0.4553524	0.5444594	0.899641	0.8159388	0.8159388	midnightblue
0.1898905	0.6812009	0.7447341	0.9590019	0.316026	0.4920645	0.8635768	0.8635768	grey
0.7530085	0.3386618	0.4730226	0.1221556	0.9220344	0.07973667	0.03650332	0.03650332	turquoise
0.115141	0.1952489	0.9287561	0.891026	0.2016414	0.881541	0.5218571	0.5218571	grey
0.4162359	0.4185685	0.5928615	0.5929454	0.5813452	0.6348982	0.4207975	0.4207975	grey
0.6668671	0.8917142	0.00029163	0.1285718	0.05475755	0.08902998	0.9101132	0.9101132	turquoise
0.5277214	0.1756224	0.8649813	0.6405866	0.9832311	0.7459384	0.01630261	0.01630261	blue
0.3270662	0.8975008	0.08591756	0.2409893	0.6125439	0.08535677	0.2532515	0.2532515	turquoise
0.5000648	0.1301923	0.1453435	0.5242117	0.9268036	0.2255815	3.93E-07	3.93E-07	blue
0.8566286	0.6571501	0.1721386	0.5249143	0.5329521	0.6172774	0.8213665	0.8213665	turquoise
0.7690804	0.5602192	0.00075267	0.1647815	0.6860548	0.08000399	0.3436513	0.3436513	magenta
0.5127888	0.1300556	0.00432453	0.6621742	0.8548791	0.1187567	0.7079151	0.7079151	tan
0.9615693	0.1724191	0.1555933	0.7868749	0.1963444	0.1419336	1.74E-06	1.74E-06	turquoise

0.840883	0.0271832	0.01134021	0.2242411	0.9700908	0.7259802	5.10E-26	5.10E-26	yellow
0.6284485	0.881132	0.0050052	0.3871675	0.998798	0.00677282	0.4106437	0.4106437	turquoise
0.07443552	0.5139607	0.8045779	0.6796987	0.8366136	0.4284971	0.0191979	0.0191979	turquoise
0.6071816	0.03175424	0.3987189	0.9739118	0.9900867	0.1202147	0.04800038	0.04800038	blue
0.04078585	0.5773183	0.2087628	0.5147633	0.4601069	0.6912464	0.6951283	0.6951283	white
0.5251725	0.2931333	0.9306596	0.8138883	0.447753	0.3828974	0.4969243	0.4969243	turquoise
5.30E-23	0.09576198	0.1426877	0.0464862	0.9575742	0.8150715	0.3348314	0.3348314	grey
0.2526644	0.00744707	0.01942515	0.2449938	0.04858444	0.01745893	5.60E-06	5.60E-06	grey
0.8547528	0.3067655	0.7712012	0.2443129	0.7545535	0.4741098	0.4722454	0.4722454	blue
0.6949815	0.4502138	0.2484524	0.0870941	0.8327545	0.09567147	0.8684389	0.8684389	blue
0.5200627	0.1194884	0.2701619	0.833732	0.8542998	0.82183	2.38E-06	2.38E-06	blue
0.341183	0.2651455	0.4243701	0.2583246	0.5460345	0.1906053	0.6856651	0.6856651	grey
0.933022	0.2493557	0.3970108	0.2025358	0.8362045	0.5722678	0.9132263	0.9132263	turquoise
0.669911	0.09497748	0.1929158	0.7574503	0.9599815	0.9339714	1.76E-06	1.76E-06	blue
0.15022	0.4306144	0.3221904	0.564458	0.5566013	0.943549	0.931442	0.931442	grey
0.5619893	0.04552087	0.5310351	0.1978667	0.4257357	0.3903539	0.00959997	0.00959997	grey
0.6242305	0.00635515	0.0791877	0.700215	0.5480631	0.5880819	1.30E-07	1.30E-07	brown
0.1942784	0.06556278	0.9185259	0.3092414	0.6102715	0.2507664	0.0001059	0.0001059	blue
0.67601	0.9162541	0.05694396	0.9827145	0.7658739	0.1059863	0.03428793	0.03428793	turquoise
0.8533735	0.8049753	0.02060085	0.1397617	0.1070083	0.6551697	3.94E-15	3.94E-15	yellow
0.3150218	0.8508175	0.4057096	0.6794987	0.1159661	0.990428	0.4840686	0.4840686	turquoise
0.1778761	0.8785665	0.5035925	0.6583476	0.8771072	0.5927309	0.00914411	0.00914411	cyan
0.8392522	0.1966727	0.00072517	0.1624319	0.6807836	0.05768621	2.77E-16	2.77E-16	yellow
0.1735166	0.5233261	0.1104495	0.0301386	0.4733436	0.1279981	0.7061506	0.7061506	turquoise
0.6312119	0.00208161	0.00272492	0.1959366	0.7989972	0.8922761	4.97E-10	4.97E-10	brown
0.1232916	0.2917	0.03968962	0.9794045	0.03301699	0.4265586	0.09324375	0.09324375	turquoise
0.2397454	0.51467	0.827272	0.927526	0.1789806	0.2934271	0.2854698	0.2854698	turquoise
0.4643731	0.153987	0.9503345	0.5798438	0.7714705	0.8012006	0.0225326	0.0225326	black
0.4259383	0.5789791	0.8665416	0.1773572	0.5422404	0.2206916	0.613391	0.613391	grey
0.2555275	0.797143	0.1653554	0.5675032	0.3233013	0.3692384	0.05423312	0.05423312	salmon
0.8818821	0.8848071	0.8592139	0.5537353	0.866542	0.07267377	0.5945788	0.5945788	grey
0.1458538	0.5058129	0.7257236	0.5379482	0.1795131	0.6843221	0.162268	0.162268	grey
0.7337668	0.6398097	0.3162773	0.5152093	0.08158524	0.1824392	0.7363296	0.7363296	grey
0.4374337	0.130235	0.04189093	0.0905136	0.5597286	0.4608054	0.5196271	0.5196271	grey
3.21E-05	0.3603469	0.1909643	0.6000124	0.9203361	0.09192944	0.00013268	0.00013268	blue
0.7485953	0.0870688	0.6412944	0.7183664	0.6224823	0.904243	0.00164261	0.00164261	blue
0.8457384	0.2883843	0.6618327	0.5758052	0.7229997	0.5370511	0.3777772	0.3777772	blue
0.2570404	0.4468806	2.96E-05	0.039073	0.3723895	0.3501234	3.58E-06	3.58E-06	magenta
0.8307825	0.2633444	0.1847911	0.9286553	0.4292336	0.5033062	0.2488259	0.2488259	royalblue
0.5711238	0.1499475	0.01169338	0.9918631	0.4846968	0.01377998	0.02662492	0.02662492	darkorange
0.9248323	0.6965961	0.9456676	0.5473665	0.7578567	0.01813301	0.00761883	0.00761883	grey
0.00432427	0.7083776	0.01103125	0.9629943	0.723897	0.6968894	0.03510968	0.03510968	blue
0.4318702	0.2463265	0.7982211	0.4536266	0.8975693	0.3776863	0.00716968	0.00716968	blue
0.8170513	0.2833985	0.09271678	0.3572983	0.6641729	0.5950058	0.06793743	0.06793743	grey
0.5399407	0.9204718	0.09563651	0.5837115	0.7358325	0.5072204	0.00365884	0.00365884	brown
0.5469011	0.3525894	0.694913	0.6800604	0.4596894	0.9549267	0.1288321	0.1288321	turquoise
0.3629955	0.2167221	0.6846328	0.4354693	0.4018337	0.998183	0.2428054	0.2428054	turquoise
0.5627201	0.08900731	0.4145244	0.9053824	0.6646499	0.7355339	0.5074957	0.5074957	darkturquoise
0.4948948	0.4596891	0.00427523	0.2115031	0.4359172	0.3997835	0.1560202	0.1560202	turquoise
0.02956882	0.2532624	0.7581305	0.3149162	0.5909143	0.8500818	0.578795	0.578795	blue
0.3744117	0.01101512	0.00848779	0.1015833	0.5155634	0.03539913	0.9846456	0.9846456	grey
0.1327271	0.8681404	0.805991	0.5802481	0.6090849	0.3227098	0.6326359	0.6326359	turquoise
0.0009723	0.4918895	0.08333285	0.8817279	0.8093892	0.245749	0.6484266	0.6484266	grey
0.02965988	0.8393829	0.3173122	0.5706907	0.8007483	0.6431425	0.9219352	0.9219352	turquoise
0.03535496	0.303346	0.1910916	0.9552525	0.5047455	0.8528622	0.0917991	0.0917991	turquoise
0.4060618	0.5542091	0.5384964	0.6371241	0.7933514	0.3445764	0.2038597	0.2038597	turquoise
0.6859438	0.3742526	0.1436725	0.711074	0.541668	0.4404669	0.09571271	0.09571271	turquoise
0.00778249	0.1062773	0.9487554	0.1289952	0.3428873	0.9910151	0.06935996	0.06935996	grey
0.3028517	0.1923501	0.7976172	0.1520724	0.173543	0.4904768	0.06152077	0.06152077	grey
0.8708985	0.2787211	0.03738513	0.116863	0.4270827	0.01199789	0.0001784	0.0001784	turquoise
0.1101605	0.1827288	0.06429406	0.1313064	0.8115838	0.0390583	1.68E-06	1.68E-06	turquoise

0.3933722	0.1024334	0.9421212	0.9149069	0.2048673	0.8828536	1.25E-11	1.25E-11	turquoise
0.7023139	0.01709072	0.07595765	0.963644	0.9038052	0.5357548	6.40E-17	6.40E-17	brown
0.4599454	0.2466613	0.06238058	0.2368626	0.03838425	0.01369377	0.7124284	0.7124284	grey
0.7374741	0.6662387	0.05406577	0.0945472	0.4932982	0.1512147	0.3310177	0.3310177	turquoise
0.8861615	0.5964167	0.00710061	0.6582095	0.5747641	0.7181607	0.1385037	0.1385037	turquoise
0.00591544	0.01400882	0.8587953	0.7641536	0.7458467	0.9635997	0.00014099	0.00014099	grey60
0.6964002	0.00989821	0.978494	0.2332765	0.7535283	0.8549617	0.3852641	0.3852641	grey
0.948233	0.6305861	0.00056	0.3041557	0.9108216	0.05927133	0.00037492	0.00037492	turquoise
0.2376763	0.9730151	0.00977422	0.1410003	0.892759	0.4250852	0.05095166	0.05095166	turquoise
0.012557	0.1076717	0.09114133	0.5269664	0.477891	0.3933032	0.03687189	0.03687189	darkgreen
0.2792914	0.3289115	0.6167291	0.9666748	0.1005713	0.2893844	0.01608907	0.01608907	blue
0.1724619	0.4876407	0.865741	0.7804681	0.7034171	0.6813432	0.2633846	0.2633846	grey
0.1290913	0.1348361	0.2294153	0.6701462	0.07704242	0.2616868	0.00024427	0.00024427	grey
0.7984437	0.199487	0.00081587	0.74204	0.4580235	0.5045428	1.24E-06	1.24E-06	turquoise
0.1527225	0.6670448	0.00742049	0.0351625	0.04660087	0.01878767	0.931485	0.931485	grey
0.8317273	0.0728182	0.6539468	0.9042721	0.6012604	0.05817802	0.00687905	0.00687905	skyblue
0.2570412	0.06447289	0.5302535	0.7912607	0.1935717	0.941222	5.76E-05	5.76E-05	grey
0.2422644	0.0374719	0.6619998	0.7644209	0.9617629	0.9828179	0.00758744	0.00758744	blue
0.4254336	0.6623402	0.4793089	0.4041968	0.1216484	0.7089697	0.02242203	0.02242203	grey
0.8038226	0.7921085	0.04141995	0.6534789	0.3246142	0.05663299	0.9637521	0.9637521	turquoise
0.1911082	0.02613075	0.5189364	0.4523954	0.375474	0.5173426	2.98E-05	2.98E-05	blue
0.7901998	0.5042141	0.06401528	0.4758311	0.8151047	0.06768624	7.00E-07	7.00E-07	blue
0.3069829	0.03539688	0.8280829	0.1335657	0.6745313	0.9613598	0.09575154	0.09575154	grey
0.05058947	0.4643236	0.5996463	0.8355346	0.5704627	0.9258028	0.00041454	0.00041454	grey
0.6091542	0.01407565	0.3270391	0.4362947	0.6988403	0.1640724	5.76E-06	5.76E-06	brown
0.8173621	0.2620651	0.7280139	0.1603865	0.1765866	0.8493687	0.00017892	0.00017892	blue
0.5166358	0.9057909	0.04729	0.0037951	0.9177007	0.00423129	0.5683745	0.5683745	grey
0.3422803	0.842765	0.1943718	0.0298078	0.9108843	0.0479996	0.368359	0.368359	purple
0.6468827	0.3100363	0.685079	0.2280048	0.1526266	0.4490208	0.2325687	0.2325687	grey
0.1648132	0.523372	0.4006161	0.7022462	0.223828	0.821726	0.01973619	0.01973619	grey
0.8317961	0.1998692	0.3835871	0.5410487	0.7067331	0.6983682	0.01074775	0.01074775	turquoise
0.8805858	0.3228421	0.00169949	0.4412708	0.6575484	0.1547634	0.9327979	0.9327979	turquoise
0.2871414	0.2640558	0.679817	0.359378	0.7634655	0.8347237	0.00232312	0.00232312	brown
0.9176919	0.05146537	0.08576225	0.2666863	0.849436	0.466553	0.00128495	0.00128495	grey
0.619005	0.03151141	0.05910665	0.3661874	0.6926176	0.1509114	0.00359361	0.00359361	blue
0.5048341	0.4140016	0.4280181	0.7743623	0.9178714	0.118788	0.00017973	0.00017973	blue
0.04708751	0.5500306	0.00015918	0.1204113	0.7744151	0.02561537	0.08094971	0.08094971	turquoise
0.828058	0.06958509	0.00038474	0.011909	0.5165281	0.6863919	1.48E-07	1.48E-07	brown
0.0237116	0.3313203	0.00366069	0.5122379	0.4562049	0.0322452	0.00801813	0.00801813	turquoise
0.5882812	0.08550066	0.9297497	0.1660361	0.4795051	0.9954951	0.3439323	0.3439323	blue
0.7612337	0.1326607	0.5844655	0.8593856	0.6356604	0.576928	0.2346818	0.2346818	green
0.05095393	0.2425733	0.08426513	0.5326016	0.8164035	0.900057	3.88E-07	3.88E-07	turquoise
0.1846847	0.4370868	0.1159198	0.7885048	0.7804209	0.1024399	0.00700241	0.00700241	turquoise
0.4319898	0.03131091	0.1592227	0.2146033	0.9492028	0.04737028	0.00806238	0.00806238	blue
0.2398972	0.06347978	0.1620413	0.8664857	0.4289341	0.3668233	7.36E-08	7.36E-08	grey
0.3689	0.05129492	0.7809451	0.8218501	0.4422087	0.7045975	0.00478596	0.00478596	blue
0.1656481	0.01402402	0.00982488	0.7460983	0.6849652	0.6129792	1.03E-06	1.03E-06	yellow
0.8342579	0.817864	0.00238087	0.2744063	0.8179861	0.2213354	0.067516	0.067516	tan
0.8941957	0.3288251	0.00031943	0.2736217	0.9081585	0.903122	4.35E-06	4.35E-06	magenta
0.4908477	0.5809418	0.114297	0.5093816	0.6596975	0.1191677	0.01279014	0.01279014	turquoise
0.5650167	0.2018232	0.6167347	0.2821183	0.8656429	0.7016755	0.4208158	0.4208158	grey
0.558956	0.00040099	0.05788487	0.1269258	0.9807056	0.6846571	1.70E-09	1.70E-09	grey
0.7463146	0.4043396	0.8868456	0.6340502	0.6762809	0.4026029	0.3650268	0.3650268	turquoise
0.9536554	0.0219817	0.4469987	0.7367376	0.7435206	0.8426192	0.1885212	0.1885212	turquoise
0.8297648	0.9519817	0.00599152	0.0455164	0.6905522	0.2237946	0.9074975	0.9074975	turquoise
0.7241489	0.3651589	0.06774796	0.6906896	0.6863024	0.7389409	0.4881954	0.4881954	turquoise
0.1820734	0.8966621	0.4524539	0.6814882	0.2895521	0.5448848	0.5606074	0.5606074	midnightblue
0.362441	0.2586786	0.6098225	0.1337167	0.9661917	0.4449303	0.00093113	0.00093113	blue
0.6434166	0.4685945	0.4490896	0.8294024	0.8216613	0.750119	0.07329392	0.07329392	purple
0.3193309	0.03369931	0.804361	0.7971199	0.2885481	0.965991	2.26E-07	2.26E-07	grey
0.8598759	0.3175847	0.367248	0.2568003	0.2790356	0.5120656	7.09E-05	7.09E-05	brown

0.2134276	0.148649	0.03469919	0.8446044	0.796717	0.09169766	1.01E-05	1.01E-05	blue
0.3027902	0.5567363	0.9231714	0.9850024	0.04929649	0.8825475	0.1386166	0.1386166	blue
0.3384526	0.2477484	0.4147791	0.3358615	0.6366269	0.9262452	0.08484666	0.08484666	turquoise
0.02549788	0.4029716	0.7262086	0.4472967	0.4597245	0.6343486	0.3840511	0.3840511	grey
0.02734161	0.4989296	0.8012859	0.2089313	0.2029548	0.7313629	0.2097309	0.2097309	grey
0.6200575	0.3049556	0.7283957	0.7986647	0.5986397	0.298099	0.676992	0.676992	black
0.00370674	0.00379813	0.4646118	0.7908533	0.9399023	0.9315357	0.00389612	0.00389612	grey
0.269059	0.4036177	0.7757882	0.6735836	0.6508527	0.4188896	1.58E-07	1.58E-07	blue
0.1745299	0.2152494	0.9519509	0.372533	0.6644863	0.7365105	0.1647463	0.1647463	grey
0.2522952	0.1568654	0.1532484	0.7051042	0.3803091	0.9386447	0.00511515	0.00511515	brown
0.02172138	0.1177848	0.1696972	0.8440001	0.3473768	0.4348868	0.4447056	0.4447056	darkgreen
0.2628942	0.00540816	0.02255574	0.0935924	0.8086973	0.1932356	0.01833117	0.01833117	turquoise
0.05091045	0.4998555	0.7987467	0.889206	0.6502727	0.1430183	0.00040013	0.00040013	grey
0.8221184	0.5537588	0.01338479	0.7922806	0.7008553	0.04638165	0.01879311	0.01879311	turquoise
0.3455857	0.8365359	0.05288365	0.388765	0.7324146	0.7159076	0.04290811	0.04290811	grey
0.2277264	0.983407	0.1224745	0.1209822	0.9805341	0.06406743	0.00690268	0.00690268	grey
0.6074689	0.04514913	0.00673385	0.1076032	0.9387375	0.6278444	1.84E-05	1.84E-05	green
0.8782206	0.5218903	0.05528955	0.0955301	0.5369584	0.3563431	0.09104158	0.09104158	turquoise
0.8783584	0.9582924	0.06764808	0.0464135	0.4830014	0.2448261	0.1096975	0.1096975	grey
0.2166777	0.04718323	0.5658343	0.8842729	0.8378769	0.1344732	9.91E-16	9.91E-16	brown
0.3499594	0.8776157	0.03203143	0.9672986	0.8118517	0.8556901	0.00358554	0.00358554	pink
0.640475	0.1592929	0.2683212	0.4763408	0.3948161	0.4445525	7.83E-07	7.83E-07	turquoise
0.1356891	0.04416106	0.7179581	0.3179929	0.7963234	0.3763472	0.00291359	0.00291359	blue
0.4510831	0.1071916	0.4528282	0.134212	0.5175843	0.315867	0.2215841	0.2215841	black
0.9354838	0.00276443	0.1813245	0.7791905	0.9734598	0.496907	3.64E-16	3.64E-16	brown
0.07871062	0.6706313	0.00454821	0.3804962	0.3914405	0.02783898	0.07466107	0.07466107	turquoise
0.09196547	0.1185987	0.01185439	0.3016689	0.8785482	0.3082388	0.6990816	0.6990816	red
0.4928519	0.8944937	0.8162248	0.6512009	0.7710897	0.128816	0.06686806	0.06686806	grey
0.2608755	0.388408	0.8942879	0.7579951	0.8192948	0.8680484	0.06306221	0.06306221	grey
0.02902049	0.862189	0.09079432	0.2639851	0.6109886	0.359988	0.00749579	0.00749579	darkred
0.3970091	0.3016859	0.2543793	0.6317772	0.9135734	0.6162414	0.01591796	0.01591796	blue
0.3567266	0.7100819	0.1522365	0.6528162	0.7591712	0.7567817	0.2219125	0.2219125	purple
0.5469864	0.7939134	0.3628614	0.8967928	0.2561885	0.1923074	0.01605865	0.01605865	blue
0.2081695	0.4009412	0.009688	0.0560492	0.9019257	0.03763335	0.2515754	0.2515754	turquoise
0.1347708	0.1697008	0.0454919	0.7469115	0.8452482	0.08478812	4.50E-05	4.50E-05	blue
0.6270811	0.1995014	0.00217544	0.1652434	0.6755729	0.7256166	4.10E-20	4.10E-20	yellow
0.5780141	0.1684898	0.0172015	0.8047668	0.02307745	0.1552628	0.00029137	0.00029137	blue
0.1369615	0.5407724	0.00685606	0.8891505	0.8534483	0.1268449	0.02783383	0.02783383	green
0.03228114	0.01420541	0.3394415	0.4439444	0.9974682	0.4884581	0.00221216	0.00221216	turquoise
0.1336697	0.5061851	0.1121676	0.9695796	0.6795488	0.7786696	0.0443076	0.0443076	grey
0.7344347	0.5347738	0.00311503	0.6272947	0.8221215	0.2161244	0.9294348	0.9294348	grey
0.4203128	0.6271602	0.4068819	0.8093491	0.9426169	0.3160434	0.4800919	0.4800919	turquoise
0.4024798	0.3618358	0.8799089	0.8981966	0.8221426	0.9412643	0.00056492	0.00056492	grey
0.2311113	0.2463231	0.05881083	0.4704793	0.8022296	0.209448	4.32E-05	4.32E-05	red
0.5078704	0.02238614	0.218782	0.035457	0.9281772	0.2093596	0.6828391	0.6828391	grey
0.4621506	0.3533937	0.579529	0.3770677	0.9040728	0.7914517	0.00892683	0.00892683	grey60
0.8944144	0.2503058	0.8946051	0.4979744	0.8393952	0.6840266	0.9538785	0.9538785	blue
0.4837634	0.48553	0.01065959	0.5786343	0.6414869	0.1613436	0.3774839	0.3774839	pink
0.2109947	0.8314032	0.0308725	0.352799	0.4307493	0.6057979	5.98E-12	5.98E-12	yellow
0.7201122	0.7231166	0.7042135	0.1342275	0.8235583	0.6895221	6.40E-06	6.40E-06	turquoise
0.01633191	0.8034986	0.1385123	0.4763887	0.7912395	0.2804974	0.00138403	0.00138403	brown
0.2456531	0.1194091	0.614566	0.2253877	0.9145598	0.6898162	0.0002887	0.0002887	blue
0.7318285	0.06227404	0.2754728	0.3059663	0.6001948	0.2138149	0.7577937	0.7577937	turquoise
0.4475305	0.123916	0.01573829	0.4689755	0.5453376	0.8543801	0.03699768	0.03699768	brown
0.04177159	0.6099826	0.8344487	0.3126945	0.7425514	0.3009758	0.05853913	0.05853913	royalblue
0.6109367	0.03720304	0.5055947	0.6990863	0.8758019	0.4282547	0.01151339	0.01151339	grey
0.4248078	0.5569831	0.00078803	0.4392568	0.3398423	0.4586488	0.00313084	0.00313084	turquoise
0.6182172	0.2335161	0.07070888	0.5805187	0.5099544	0.1747102	1.25E-05	1.25E-05	turquoise
0.6534275	0.00582075	0.6962383	0.360799	0.3756817	0.7214344	3.11E-05	3.11E-05	blue
0.0358297	0.2912952	0.9255504	0.2128315	0.4915719	0.4858764	0.00021398	0.00021398	turquoise
0.2598253	0.2361382	0.6368895	0.4216571	0.9999103	0.8519067	0.00098124	0.00098124	grey

0.07005556	0.1052357	0.5549108	0.4455927	0.4388822	0.4148821	0.00145165	0.00145165	blue
0.9844413	0.6356728	0.8567612	0.0189783	0.9592021	0.2980634	0.06298927	0.06298927	grey
0.8945207	0.1320289	0.5425817	0.5338651	0.5895946	0.2378757	0.01068832	0.01068832	turquoise
0.03390867	0.8454171	0.9940735	0.5932517	0.6431757	0.3027092	0.6496522	0.6496522	turquoise
0.2816141	0.00587607	0.2936808	0.4472981	0.3748595	0.9202994	5.82E-16	5.82E-16	brown
0.236947	0.06634378	0.4672548	0.4399258	0.7836887	0.9913248	0.5638308	0.5638308	grey
0.1752076	0.2575015	0.1400628	0.7079077	0.8303284	0.6080293	0.4321997	0.4321997	midnightblue
0.4421872	0.00064	0.7232844	0.7606432	0.4274305	0.669071	1.16E-07	1.16E-07	brown
0.9390343	0.1566279	0.6148304	0.7223442	0.3463667	0.268966	0.00705568	0.00705568	blue
0.4923225	0.6079357	0.00259204	0.2275632	0.5779863	0.2026717	0.09712407	0.09712407	pink
0.1733409	0.8504575	0.4875994	0.3307839	0.8359881	0.06840013	0.8780045	0.8780045	purple
0.5875847	0.08666512	0.4054772	0.7082124	0.5633153	0.4723004	0.8699763	0.8699763	black
0.3937033	0.574573	0.01376148	0.1690327	0.424314	0.02456519	0.00018045	0.00018045	turquoise
0.20941	0.1468804	0.6725133	0.9361506	0.7225384	0.671426	0.00396741	0.00396741	blue
0.6636394	0.07898001	8.00E-06	0.0046972	0.1778222	0.05003712	1.59E-09	1.59E-09	brown
0.1207196	0.5171233	0.6908628	0.4565309	0.3882995	0.4665157	0.01925437	0.01925437	grey
0.5593844	0.8026237	0.3226851	0.0834418	0.6373736	0.06303477	0.01667589	0.01667589	grey
0.9968681	0.02011413	0.1558693	0.0569788	0.3555523	0.2464512	0.2007235	0.2007235	yellow
0.9604116	0.701426	0.1610797	0.7150109	0.7040049	0.9223218	0.3502084	0.3502084	blue
0.4072166	0.07814183	0.00266335	0.1467969	0.8856617	0.3337619	2.49E-38	2.49E-38	yellow
0.4883025	0.6985786	0.03209083	0.5524881	0.9020092	0.2464441	0.06083949	0.06083949	purple
0.2310793	0.1106409	0.05586734	0.2163406	0.8054795	0.4113322	5.08E-05	5.08E-05	turquoise
0.4116977	0.3030503	7.54E-07	0.0272662	0.5227812	0.2360953	6.84E-05	6.84E-05	magenta
0.42304	0.01462634	0.5848447	0.6360212	0.5677752	0.7029859	1.90E-06	1.90E-06	blue
0.9480063	0.00181122	0.3166232	0.6615947	0.9622333	0.6836119	1.45E-14	1.45E-14	brown
0.3397192	0.9813358	0.00930436	0.9338295	0.5148193	0.1490345	0.8562861	0.8562861	turquoise
0.7898344	0.01440776	0.07299008	0.770034	0.7782606	0.3006102	1.47E-05	1.47E-05	grey
0.00370528	0.3462689	0.06259537	0.6432838	0.5984345	0.9714603	0.9556307	0.9556307	turquoise
0.3284296	0.0057786	0.02244902	0.1889659	0.5819459	0.3937102	5.63E-13	5.63E-13	brown
0.05312595	0.06265321	0.00611933	0.1266661	0.0559089	0.1386812	2.47E-05	2.47E-05	blue
0.4969163	0.4889403	0.3859683	0.9774567	0.4356999	0.9361256	0.05232208	0.05232208	grey
0.9855295	0.07688683	0.3950873	0.9292765	0.5601559	0.8238878	0.1375319	0.1375319	grey
0.4027237	0.4465004	0.09909956	0.6188888	0.2258116	0.09021187	0.02141244	0.02141244	darkgrey
0.170307	0.1203166	0.2830174	0.4105469	0.9345995	0.2967274	4.54E-07	4.54E-07	cyan
0.8287052	0.4367991	0.7571003	0.9593074	0.8946412	0.8725437	0.2103991	0.2103991	blue
0.04766447	0.6304447	0.3160459	0.177213	0.7808848	0.2966376	0.00729738	0.00729738	blue
0.5953638	0.04073161	0.9424495	0.7730068	0.8005486	0.9346801	0.185267	0.185267	grey
0.03004276	0.6263875	0.01543937	0.1257436	0.5138816	0.3870471	0.00324388	0.00324388	grey
0.6071922	0.1979038	0.3625668	0.9102455	0.9450521	0.6748358	0.00402229	0.00402229	blue
0.5771995	0.3953253	0.6529191	0.5655281	0.07012734	0.09737618	0.4062148	0.4062148	grey
0.06256863	0.1234175	0.5423353	0.8385776	0.1732222	0.8392932	0.00356528	0.00356528	grey
0.02655763	0.8240046	0.9957453	0.4594844	0.5208485	0.6012011	0.00237535	0.00237535	grey
0.0389597	0.02442151	0.8357574	0.1834125	0.4115442	0.2737596	0.7937522	0.7937522	grey
0.3994916	0.02823791	0.4722463	0.4261636	0.9523433	0.2432747	1.41E-14	1.41E-14	brown
0.1496384	0.2466294	0.9134921	0.5684679	0.8005746	0.9810224	1.56E-05	1.56E-05	turquoise
0.1659689	0.8163687	0.0088125	0.5967246	0.5364385	0.1712645	0.2610083	0.2610083	red
0.1232031	0.0157478	0.4298474	0.6381024	0.8118903	0.6863646	9.29E-05	9.29E-05	blue
0.5950108	0.1986348	0.01265898	0.4926776	0.8499655	0.2375596	0.1635261	0.1635261	turquoise
0.727438	0.08676222	0.0017107	0.1922601	0.4917328	0.05248931	0.3129905	0.3129905	turquoise
0.3268636	0.5693846	0.08605799	0.4202529	0.5542541	0.455534	0.03157428	0.03157428	grey
0.1435614	0.02495244	6.30E-05	0.0330656	0.02233502	0.00780992	0.03993333	0.03993333	turquoise
0.8797041	0.1624637	0.7112037	0.8370048	0.8654472	0.5128507	0.5935648	0.5935648	blue
0.568126	0.00464418	0.1055564	0.8542922	0.758112	0.208533	4.44E-06	4.44E-06	brown
0.3842819	0.3986464	0.00099423	0.1682892	0.4029568	0.1274836	1.42E-05	1.42E-05	yellow
0.630847	0.02415982	0.1898814	0.3572106	0.8090454	0.715631	1.47E-20	1.47E-20	salmon
0.3862519	0.2451147	0.9355166	0.3121611	0.2342204	0.9112011	0.00686764	0.00686764	darkgrey
0.8574851	0.00374835	0.06833476	0.4337955	0.4927808	0.4043564	1.43E-14	1.43E-14	yellow
0.5914473	0.1113995	0.05041613	0.786477	0.854342	0.9307034	0.00036059	0.00036059	salmon
0.1152899	0.04714441	0.4175683	0.1619203	0.9339839	0.155314	0.3966508	0.3966508	grey
0.9315922	0.1608652	0.1264231	0.8554803	0.6799377	0.1344968	0.01606272	0.01606272	blue
0.2364559	0.00394977	0.1463042	0.9558836	0.8541922	0.3265293	3.13E-13	3.13E-13	brown

0.8717651	0.00214882	0.00474969	0.0167304	0.1250603	0.9761385	4.63E-16	4.63E-16	brown
0.0394267	0.03737882	0.1061212	0.4330283	0.5276161	0.8171323	2.16E-06	2.16E-06	grey
0.1971692	0.6106821	0.01420184	0.6404154	0.8233199	0.5837164	0.2696352	0.2696352	pink
0.4869155	0.7979893	0.00282264	0.5321272	0.3308699	0.8630168	6.13E-06	6.13E-06	magenta
0.1514353	0.7204327	0.08111076	0.8500273	0.2453813	0.1603668	0.2023225	0.2023225	turquoise
0.6557692	0.1450798	0.01445196	0.2328025	0.5124434	0.7257614	0.1730166	0.1730166	turquoise
0.2490592	0.25846	0.4163726	0.8141724	0.749812	0.4970346	0.1025068	0.1025068	black
0.4338428	0.141702	0.0221729	0.0175012	0.5726373	0.03380381	0.9292193	0.9292193	grey
0.5690648	0.356734	0.04281959	0.0026067	0.7946911	0.0031855	0.00742474	0.00742474	turquoise
0.2093432	0.6354314	0.4794988	0.3963201	0.6988642	0.2129966	0.01138815	0.01138815	grey
0.4805365	0.00161186	0.00388247	0.2693912	0.8702372	0.5597332	9.65E-15	9.65E-15	brown
0.7033037	0.4808266	0.09513713	0.1623889	0.8315422	0.3142759	0.08055675	0.08055675	white
0.1688109	0.5076789	0.05944678	0.2696161	0.5543011	0.4655792	0.2783842	0.2783842	grey
0.5830376	0.8420781	0.8647876	0.5154336	0.01853905	0.7707328	9.29E-05	9.29E-05	grey
0.2904089	0.01411317	0.9238364	0.1037778	0.6616946	0.1910869	0.00059804	0.00059804	brown
0.06659283	0.10603	0.295932	0.6194518	0.436106	0.433798	0.05097307	0.05097307	blue
0.4645586	0.1932773	0.3848837	0.7358449	0.6561185	0.2997119	5.77E-05	5.77E-05	blue
0.1604177	0.3456436	0.007623	0.2100132	0.4018188	0.139662	0.01227031	0.01227031	green
0.9951102	2.11E-05	0.1894966	0.6621617	0.6835117	0.5534844	1.28E-08	1.28E-08	grey
0.446993	0.00116867	0.02425234	0.2460677	0.4230664	0.7126445	8.26E-19	8.26E-19	yellow
0.282729	0.3215338	0.8038719	0.4260615	0.6647439	0.6603912	0.03376326	0.03376326	grey
0.7077185	0.1364096	0.0742884	0.258343	0.6030751	0.6841162	4.94E-07	4.94E-07	brown
0.2941459	0.00336462	0.3181637	0.4754852	0.3500961	0.5950146	3.58E-15	3.58E-15	turquoise
0.3298225	0.04744861	0.6944795	0.9411179	0.5085654	0.9310236	7.02E-08	7.02E-08	grey
0.7457009	0.2629901	0.1197111	0.9394019	0.9076642	0.7604244	0.01070179	0.01070179	brown
0.20298	0.7812433	0.3638688	0.8590004	0.3816898	0.1574953	0.00069702	0.00069702	turquoise
0.1191427	0.2462443	0.1882439	0.9246779	0.6538793	0.9014772	0.00767742	0.00767742	blue
0.7677736	0.8892605	0.4520724	0.0246962	0.5812716	0.5638912	0.00264902	0.00264902	black
0.8806046	0.6243918	0.4477185	0.0342034	0.8922567	0.9456252	0.8215678	0.8215678	red
0.2903246	0.8302432	0.1204666	0.6057416	0.8222924	0.1591782	0.00152603	0.00152603	grey
0.6181769	0.2937831	0.2368383	0.6299509	0.7225052	0.3826938	2.22E-05	2.22E-05	turquoise
0.5278503	0.023772	0.2395478	0.1114281	0.6209764	0.4089925	2.95E-13	2.95E-13	yellow
0.4878124	0.4477149	0.4914802	0.5114075	0.1579491	0.4445008	0.8829738	0.8829738	grey
0.3881331	0.0318233	0.9187693	0.0020014	0.9543447	0.3927391	0.00986767	0.00986767	blue
0.1040436	0.02154826	0.01351715	0.882294	0.1973825	0.09629536	0.00013234	0.00013234	greenyellow
0.08623125	0.3603182	0.07713715	0.3979331	0.389358	0.1909779	0.00035904	0.00035904	turquoise
0.4244654	0.0980377	0.02199182	0.1067688	0.5162031	0.524014	8.60E-05	8.60E-05	brown
0.1741851	0.1422046	0.06142016	0.0595844	0.8220664	0.2966476	0.8311811	0.8311811	pink
0.6768429	0.7983067	0.00522338	0.0689508	0.3473403	0.2115896	0.00156969	0.00156969	turquoise
0.6516287	0.9144946	0.1634778	0.5562009	0.7750188	0.2963083	0.1355283	0.1355283	turquoise
0.1296768	0.498195	0.07605178	0.1142569	0.5176356	0.4220327	0.00301773	0.00301773	grey
0.439656	0.8361067	0.1812887	0.4769664	0.9541777	0.4895728	0.7433029	0.7433029	turquoise
0.2121716	0.5104704	0.08626812	0.3135181	0.3822772	0.1988809	8.16E-05	8.16E-05	grey
0.7522613	0.06963363	0.01592432	0.9029325	0.4837173	0.6775544	0.1085209	0.1085209	turquoise
0.5671613	0.3476465	0.5918612	0.9051	0.2526242	0.2370056	0.00065447	0.00065447	blue
0.7217067	0.3165109	0.01171219	0.3390831	0.5456765	0.9735153	0.5412022	0.5412022	turquoise
0.5585017	0.0019441	0.05007734	0.9864881	0.5946277	0.7325115	2.46E-16	2.46E-16	brown
0.2178213	0.8552351	0.1956375	0.7966232	0.9655379	0.3500602	0.2698214	0.2698214	midnightblue
0.5134787	0.00043989	0.00817112	0.6147633	0.7567727	0.2362754	0.00531828	0.00531828	tan
0.7389929	0.00108224	0.07250694	0.3420578	0.5183693	0.5892784	1.94E-17	1.94E-17	brown
0.1325754	0.1041198	0.01089756	0.6189374	0.9111149	0.9008153	1.01E-09	1.01E-09	blue
0.7945945	0.3967891	0.3714444	0.4342922	0.01919913	0.5355111	0.00045564	0.00045564	turquoise
0.1566667	0.528283	0.05826799	0.7969588	0.9666017	0.1736711	0.1730614	0.1730614	turquoise
0.2295004	0.14852	0.1696267	0.7939192	0.35513	0.7750814	9.81E-09	9.81E-09	yellow
0.0909442	0.7797687	0.1710811	0.4202037	0.3593855	0.8547903	0.1998905	0.1998905	turquoise
0.8160516	0.4494971	0.3143002	0.0665832	0.4089235	0.7778444	0.04636848	0.04636848	grey
0.1204749	0.6299302	0.0052724	0.0496868	0.9799315	0.1737997	0.8482058	0.8482058	grey
0.5912489	0.1695845	0.06265695	0.1317854	0.7944663	0.4978482	0.232896	0.232896	blue
0.5140503	0.04525671	0.1333351	0.2596292	0.03696032	0.748306	2.82E-05	2.82E-05	blue
0.635814	0.07295629	0.6564998	0.57368	0.5961645	0.9012439	0.00034623	0.00034623	turquoise
0.6740353	0.3406305	0.9638466	0.3476376	0.9195646	0.4715604	0.1493134	0.1493134	blue

0.3704607	0.4066993	0.00021311	0.108268	0.5610181	0.1055813	0.6238642	0.6238642	turquoise
0.04875011	0.1788854	0.03904686	0.1294577	0.6250336	0.0185744	2.90E-09	2.90E-09	yellow
0.9145478	0.9827522	0.6834008	0.3274872	0.4658479	0.6538525	0.5586438	0.5586438	turquoise
0.7531006	0.01642348	0.07489324	0.1478114	0.7579237	0.2866975	1.73E-12	1.73E-12	yellow
0.2139119	0.7674052	0.8227187	0.6561182	0.8649429	0.8513259	0.00548471	0.00548471	blue
0.1391033	0.878621	0.1314415	0.4371304	0.2080494	0.05517302	0.5913313	0.5913313	grey
0.03071589	0.6161384	0.9381956	0.7318203	0.6276129	0.120552	0.7640841	0.7640841	grey
0.7259154	0.08698371	0.0892622	0.4030804	0.8873938	0.2527336	1.19E-10	1.19E-10	brown
0.1703728	0.1498424	0.2298706	0.3970475	0.604345	0.5395077	0.01528454	0.01528454	blue
0.1387061	0.3881492	0.8460282	0.1598774	0.7306528	0.1074762	0.2779819	0.2779819	grey
0.8061258	0.3285265	0.1441004	0.6875959	0.7917589	0.3075924	0.5370982	0.5370982	grey
0.2762208	0.7026945	0.3935322	0.614662	0.484765	0.8278353	0.8558872	0.8558872	pink
0.4530849	0.02356984	0.00016861	0.5429823	0.9510254	0.412106	0.266571	0.266571	tan
0.1301965	0.5058194	0.2193377	0.1934828	0.6834272	0.4572448	2.90E-05	2.90E-05	lightyellow
0.2874472	0.5440886	0.04958468	0.2285928	0.8012857	0.0034296	0.00095343	0.00095343	blue
0.6319637	0.8792983	0.4859733	0.8159539	0.4444937	0.9677479	0.1228789	0.1228789	turquoise
0.788732	0.5282074	0.02761109	0.3057673	0.7394018	0.1674326	0.2680615	0.2680615	turquoise
0.9058072	0.6247485	0.01362275	0.0093438	0.7289856	0.2573018	5.23E-06	5.23E-06	grey
0.9590085	0.4738595	0.06280225	0.828898	0.8386612	0.7814105	0.1839196	0.1839196	grey
0.2375844	0.00113094	0.8386669	0.536678	0.4707172	0.9315223	1.35E-06	1.35E-06	blue
0.6208757	0.1155658	0.024163	0.6153845	0.9660303	0.6607597	4.37E-08	4.37E-08	green
0.1115724	0.1010598	0.1040554	0.742954	0.2627047	0.9050111	6.78E-05	6.78E-05	grey
0.6993588	0.9332314	0.6843781	0.7318002	0.1136096	0.2971135	0.3009546	0.3009546	grey
0.5948592	0.1067943	0.00852181	0.2398582	0.7128265	0.03365685	2.52E-08	2.52E-08	turquoise
0.8101027	0.03107151	0.1045135	0.6630145	0.9387423	0.4502526	1.35E-05	1.35E-05	turquoise
0.7371086	0.7716243	0.02690842	0.5979207	0.8149397	0.5996998	0.00027073	0.00027073	grey
0.5567126	0.9256382	0.731931	0.4281774	0.4406481	0.6586039	0.1658002	0.1658002	greenyellow
0.5594035	0.4073984	0.05373904	0.1250125	0.06894478	0.3866135	0.00033029	0.00033029	grey
0.261886	0.03818121	0.8073728	0.9268214	0.9943131	0.5367635	0.00121744	0.00121744	brown
0.6012161	0.698421	0.08129046	0.7842847	0.4581392	0.4998698	0.232114	0.232114	turquoise
0.9829481	0.00203213	0.1041503	0.0032113	0.7781644	0.1862765	0.06319816	0.06319816	lightcyan
0.7349258	0.459416	0.7395869	0.7477019	0.9743421	0.3928514	0.1812913	0.1812913	turquoise
0.3815636	0.2859232	0.2816835	0.9459981	0.2617568	0.8408725	1.50E-05	1.50E-05	turquoise
0.4421357	0.9057281	0.04747784	0.0790376	0.8359581	0.00938692	0.5697672	0.5697672	turquoise
0.1657311	0.6133041	0.472889	0.6090941	0.5310789	0.6810426	0.4466064	0.4466064	blue
0.58343	0.7760034	0.00067776	0.0181877	0.7137474	0.01283831	0.7413567	0.7413567	turquoise
0.2118072	0.9408196	0.6522284	0.6022213	0.8710098	0.4374966	0.03277153	0.03277153	grey
0.20841	0.6670384	0.3582652	0.9096437	0.4459118	0.6750397	0.02119511	0.02119511	grey
0.8278442	0.2690937	0.7869239	0.2658714	0.5479513	0.7006067	0.00010542	0.00010542	yellow
0.6523936	0.01670016	0.115014	0.0960459	0.9237416	0.7802767	1.24E-14	1.24E-14	yellow
0.06865687	0.5491211	0.7458288	0.0562566	0.9202989	0.2524888	0.7485056	0.7485056	midnightblue
0.0203122	0.1651957	0.8506621	0.5244498	0.6080659	0.224895	0.2124102	0.2124102	turquoise
0.9926232	0.9992229	0.7976746	0.7820411	0.7562782	0.5998496	0.01638325	0.01638325	turquoise
0.5375713	0.5746715	0.01201451	0.861406	0.9563528	0.8587755	0.02468799	0.02468799	blue
0.0199734	0.5797713	0.8097658	0.2305704	0.7595969	0.9088367	0.00083905	0.00083905	turquoise
0.9445016	0.00074598	0.02569859	0.0261536	0.9396726	0.9822329	7.53E-07	7.53E-07	brown
0.176989	0.9991472	0.9168408	0.1246102	0.8106785	0.03830352	0.08550519	0.08550519	grey
0.4471583	0.398206	0.4620612	0.0430753	0.5364946	0.7271232	0.7434634	0.7434634	black
0.07923631	0.00148599	0.289477	0.5605754	0.5775069	0.07333152	0.00036897	0.00036897	blue
0.4599456	0.0372207	0.8152959	0.9562184	0.6711852	0.2854563	0.00329207	0.00329207	brown
0.8182113	0.4065937	0.9614998	0.4520729	0.509139	0.4793297	0.8528312	0.8528312	turquoise
0.4084585	0.3594813	0.3469814	0.1313254	0.5627755	0.1006441	0.1164575	0.1164575	grey
0.3778041	0.9415239	0.6759681	0.3228572	0.3052367	0.3121999	0.02141127	0.02141127	turquoise
0.0585715	0.2069073	0.6159316	0.1203591	0.493911	0.7538553	0.08187896	0.08187896	black
0.1626599	0.00047272	0.81275	0.4453045	0.4601669	0.8770432	0.00090505	0.00090505	grey
0.2912588	0.9656609	0.7785071	0.8526374	0.06384091	0.9911923	0.5164865	0.5164865	grey
0.6886706	0.4870769	0.9869945	0.9625785	0.8278339	0.7191415	0.4722187	0.4722187	purple
0.9455518	0.2760616	0.00137424	0.2995221	0.886495	0.5034876	0.00142099	0.00142099	magenta
0.9179457	0.05068806	0.00128448	0.453609	0.5921223	0.2425697	1.54E-13	1.54E-13	brown
0.1039819	0.1538207	0.1898277	0.6684486	0.5553547	0.1141905	0.00541007	0.00541007	cyan
0.2017948	0.9310158	0.4305127	0.9115261	0.5847667	0.8560611	0.07005894	0.07005894	midnightblue

0.1192566	0.9045049	0.01312055	0.3233157	0.8866412	0.1502629	0.1805235	0.1805235	grey
0.250903	0.1003924	0.6627032	0.1929987	0.801623	0.1411531	1.53E-05	1.53E-05	grey
0.2665258	0.2495035	0.8423547	0.0204872	0.9497797	0.08663874	0.0589144	0.0589144	turquoise
0.01087319	0.2098011	0.1448378	0.2641444	0.1562174	0.4827302	0.01018399	0.01018399	grey
0.580821	0.05474367	0.00162976	0.900665	0.2338238	0.00549707	0.2271135	0.2271135	turquoise
0.7412749	0.5867009	0.3555816	0.3807363	0.2166309	0.04733613	0.00389675	0.00389675	grey
0.2192475	0.1365238	0.4309957	0.4579581	0.09500328	0.4914479	0.01120643	0.01120643	grey
0.9832519	0.7150246	0.04259117	0.2426739	0.737048	0.4488888	0.07593474	0.07593474	turquoise
0.5612418	0.6279749	0.04993629	0.69438	0.4453716	0.249947	0.00687134	0.00687134	blue
0.4978221	0.135034	0.2436588	0.0928384	0.6747537	0.1634739	0.02420962	0.02420962	turquoise
0.814017	0.7029527	0.06249525	0.8490383	0.9147271	0.3955987	0.00029075	0.00029075	black
0.02967819	0.1288158	0.5397254	0.7223504	0.05074188	0.311991	9.48E-09	9.48E-09	brown
0.1146812	0.7937306	0.1799287	0.6375312	0.660327	0.4385909	0.6158552	0.6158552	turquoise
0.1096215	0.1998959	0.4362257	0.4627236	0.4065918	0.4354595	0.5125347	0.5125347	turquoise
0.3367088	0.507714	0.4888031	0.0673203	0.3863003	0.1223461	0.01456899	0.01456899	turquoise
0.85027	0.3031815	0.7701666	0.8426635	0.08518829	0.8102947	0.03334809	0.03334809	blue
0.490905	0.00520421	0.07277401	0.6547866	0.8044009	0.3455738	1.88E-12	1.88E-12	brown
0.8855815	0.5542754	0.6277489	0.7767406	0.6171857	0.9078902	0.01609616	0.01609616	grey
0.5542674	0.00310202	0.0456998	0.196811	0.839308	0.2743972	1.07E-24	1.07E-24	yellow
0.6200755	0.619953	0.00530032	0.1110083	0.2962032	0.5045842	0.1954276	0.1954276	turquoise
0.9668638	0.04469012	0.20154	0.72739	0.617932	0.9913565	0.1638918	0.1638918	grey
0.5835915	0.00013673	0.1331871	0.2027453	0.8819333	0.7616477	2.25E-06	2.25E-06	turquoise
0.5714331	5.49E-05	0.2258161	0.0677149	0.8091701	0.2958856	0.00790365	0.00790365	grey
0.1798512	0.1708998	0.07104564	0.7893434	0.5105333	0.03739192	0.637723	0.637723	grey
0.3760294	0.07921735	0.09179643	0.1264674	0.7127373	0.5294664	0.7966773	0.7966773	grey
0.06154028	0.7902821	0.09103292	0.5344505	0.9894822	0.07584165	0.04775758	0.04775758	turquoise
0.5598311	0.3425954	0.5854708	0.9322786	0.2764862	0.05793924	0.000404	0.000404	grey
0.6623871	0.3161566	3.16E-05	0.1269846	0.3753666	0.4047574	3.29E-13	3.29E-13	magenta
0.6318124	0.198893	0.00658803	0.4479116	0.6734995	0.03841218	0.5029195	0.5029195	greenyellow
0.9788228	0.1903599	0.6914904	0.6903744	0.7660619	0.840083	3.69E-07	3.69E-07	turquoise
0.3668886	0.00405844	0.06576489	0.35432	0.5032792	0.1488496	6.77E-17	6.77E-17	lightyellow
0.4254721	0.00171595	0.7615901	0.3808525	0.5348924	0.5178949	0.1089164	0.1089164	lightcyan
0.04470162	0.1073919	0.06312866	0.3951606	0.9751529	0.4451133	0.601394	0.601394	turquoise
0.3630893	0.02479107	0.5628525	0.5099173	0.6298536	0.3171978	0.435664	0.435664	grey
0.1279225	0.705108	0.7503034	0.7264497	0.6391167	0.7852427	0.9385841	0.9385841	grey
0.1102857	0.08050362	0.0818831	0.0513447	0.77643	0.1138938	0.6039318	0.6039318	blue
0.9823078	0.3149915	0.00312621	0.6758445	0.7432058	0.03001267	0.04510324	0.04510324	turquoise
0.7711763	0.2280301	0.7113801	0.6494529	0.5807662	0.4819684	0.00058784	0.00058784	blue
0.5268901	0.4605431	0.3257005	0.1109205	0.8530482	0.6128982	0.01087541	0.01087541	grey
0.5672506	0.8245235	0.157439	0.1080908	0.4630675	0.465796	0.114931	0.114931	turquoise
0.6701668	0.4081027	0.2212289	0.5970712	0.6875637	0.3849787	0.1875885	0.1875885	grey
0.7236845	0.5056258	0.00014978	0.0116172	0.4615478	0.01405189	0.7865897	0.7865897	turquoise
0.5702432	0.00788004	0.05365887	0.5195092	0.7150185	0.9265474	1.03E-12	1.03E-12	brown
0.5300238	0.6438121	0.0559289	0.5127756	0.7912095	0.32811	0.00920139	0.00920139	turquoise
0.9816823	0.2235956	0.1850193	0.4147678	0.7448543	0.5372315	2.84E-06	2.84E-06	yellow
0.9642169	0.5504563	0.5270703	0.5065199	0.4520757	0.6098151	1.64E-07	1.64E-07	blue
0.7551835	0.4965553	0.04414572	0.0499543	0.5280617	0.06907052	0.01044071	0.01044071	magenta
0.6011654	0.6081333	0.1358562	0.8370134	0.4441246	0.08291758	0.03272867	0.03272867	turquoise
0.1748178	0.4466181	0.9964294	0.9202669	0.8183996	0.5837635	0.7880043	0.7880043	red
0.1364964	0.1432077	0.9035581	0.6144155	0.3219634	0.3529165	0.9838249	0.9838249	red
0.8109774	0.1412793	0.3791564	0.2664966	0.4487474	0.3158517	0.7881564	0.7881564	turquoise
0.931087	0.5057605	0.00154066	0.1137296	0.8158099	0.07154775	0.0168769	0.0168769	turquoise
0.2896463	0.02590399	0.6086536	0.9485555	0.1685449	0.4637319	0.00455507	0.00455507	turquoise
0.9342793	0.8856134	0.2216396	0.045007	0.1876144	0.8607671	0.1840412	0.1840412	grey
0.05753644	0.2332965	0.710604	0.5793767	0.8342808	0.4201328	4.16E-06	4.16E-06	blue
0.8303724	0.09124934	0.9037322	0.0913045	0.7977357	0.158016	0.4581369	0.4581369	darkturquoise
0.128827	0.6476254	0.8023012	0.2293129	0.3461614	0.5367576	0.01344234	0.01344234	grey
0.4677721	0.5784203	0.00449725	0.6646629	0.9682259	0.1046802	0.00018616	0.00018616	turquoise
0.3831397	0.3768711	0.04766247	0.4421666	0.5877608	0.3742167	8.61E-06	8.61E-06	grey
0.3915342	0.6348728	0.8881618	0.0852802	0.3171203	0.60322	0.2929293	0.2929293	grey
0.7865492	0.5841258	0.00850977	0.9388546	0.801741	0.6126463	0.1929976	0.1929976	pink

0.1226011	0.9186372	0.8087092	0.7899503	0.9397464	0.769848	0.914718	0.914718	turquoise
0.5188137	0.63466	0.00683517	0.062764	0.6605579	0.01145087	0.5882566	0.5882566	turquoise
0.02008197	0.4845166	0.4270997	0.8980466	0.6532234	0.2174992	0.9283435	0.9283435	grey
0.7616883	0.3638154	0.2475513	0.982995	0.9479847	0.3020669	0.9521403	0.9521403	turquoise
0.299727	0.07515812	0.4031389	0.5343475	0.16336	0.1906304	0.6250276	0.6250276	turquoise
0.2562767	0.9387586	0.91719	0.6364088	0.9753219	0.6196654	0.4891885	0.4891885	grey
0.4714461	0.6800207	0.00730715	0.0101391	0.4146465	0.02887437	0.5155726	0.5155726	green
0.05127224	0.4625099	0.4168463	0.7576062	0.8371113	0.7035492	1.86E-06	1.86E-06	darkturquoise
0.1215102	0.281532	0.5436598	0.5809221	0.7129292	0.6956396	2.43E-08	2.43E-08	red
0.7575183	0.6988881	0.361512	0.3162203	0.9764451	0.5764071	0.1276812	0.1276812	grey
0.7734832	0.9024392	0.1942284	0.9072617	0.925329	0.6181615	2.43E-05	2.43E-05	darkred
0.2051175	0.330981	0.9760142	0.5823924	0.8947175	0.5985063	0.3074236	0.3074236	red
0.6190801	0.4645316	0.7028814	0.0812717	0.04540824	0.5850528	0.03652884	0.03652884	grey
0.8945268	0.8335853	0.03702099	0.0713314	0.1288536	0.6602284	0.8124262	0.8124262	turquoise
0.8541435	0.7842345	0.2532725	0.8808147	0.7476142	0.1874337	0.9212439	0.9212439	turquoise
0.157854	0.5411888	0.2965866	0.2726321	0.8937822	0.4458836	0.1137989	0.1137989	turquoise
0.3494469	0.05504724	0.1928306	0.9436509	0.6171137	0.8209338	0.00011262	0.00011262	grey
0.803695	0.02696475	0.01794018	0.6425267	0.8362958	0.8528476	4.26E-27	4.26E-27	brown
0.9505252	0.1093674	0.6807975	0.5583629	0.9825796	0.6637766	0.04035706	0.04035706	darkgreen
0.1761363	0.9046577	0.1188007	0.0223853	0.4728118	0.00403973	0.5475449	0.5475449	grey
0.08421022	0.8619482	0.4396193	0.4281901	0.5700438	0.2119345	2.03E-05	2.03E-05	turquoise
0.7563513	0.1011869	0.8007475	0.4352123	0.4450053	0.9656761	0.00046914	0.00046914	yellow
0.5775653	0.2474576	0.00709899	0.0041258	0.9209669	0.1455807	0.2329158	0.2329158	turquoise
0.4737858	0.00665541	0.4042944	0.8590753	0.1859507	0.8699335	6.62E-07	6.62E-07	turquoise
0.1326063	0.4426699	0.01056327	0.0469546	0.6192144	0.43944	0.8115884	0.8115884	grey
0.1545322	0.5958232	0.5384398	0.773246	0.6607444	0.7101932	0.9897998	0.9897998	red
0.1649867	0.3757722	0.4477482	0.7946277	0.2693097	0.5251839	0.1194736	0.1194736	midnightblue
0.5243986	0.04143702	0.1776222	0.9422133	0.5335752	0.5874415	0.00039917	0.00039917	grey
0.7232527	0.1156108	0.4498315	0.2615376	0.9605908	0.1788674	0.05836855	0.05836855	darkgreen
0.2120877	0.9056024	0.4100274	0.8161203	0.8353399	0.2613113	0.01214154	0.01214154	grey
0.7197957	0.1036633	0.06441723	0.4199498	0.4712391	0.5987286	2.53E-29	2.53E-29	yellow
0.6342921	0.6101401	0.00013457	0.5315955	0.7064697	0.02495538	0.09131435	0.09131435	turquoise
0.1187953	0.06163313	0.7767839	0.6104783	0.3898078	0.5303468	0.2134494	0.2134494	turquoise
0.7243776	0.05472478	0.2289322	0.2831845	0.00054148	0.2167826	0.6970849	0.6970849	turquoise
0.6673327	0.3710261	0.02251027	0.8722466	0.9800338	0.331782	0.3087897	0.3087897	green
0.5966035	0.3577574	0.00909291	0.4112576	0.5496051	0.2572978	1.79E-05	1.79E-05	green
0.2249281	0.0102259	0.2850652	0.1813619	0.4349552	0.121973	0.6096668	0.6096668	midnightblue
0.07053283	0.9535065	0.8435334	0.5177542	0.7813467	0.2241986	5.56E-05	5.56E-05	grey
0.1330491	0.05282955	0.309086	0.9729206	0.1509413	0.4552367	1.93E-05	1.93E-05	blue
0.5775629	0.00168101	0.116756	0.1174694	0.7313123	0.8508024	9.65E-16	9.65E-16	brown
0.9714471	0.00984752	0.06102949	0.1291818	0.5602453	0.3281455	9.67E-05	9.67E-05	grey
0.2183147	0.7615922	0.8084021	0.7711916	0.7381544	0.4684567	0.6760821	0.6760821	red
0.699066	0.00260258	0.5085351	0.2297631	0.6157043	0.5429504	0.00786522	0.00786522	grey60
0.7518767	0.5569447	0.07618303	0.2901619	0.8524212	0.6699215	0.00031658	0.00031658	brown
0.01094585	0.0323534	0.4910908	0.085465	0.6173221	0.5037048	1.44E-05	1.44E-05	brown
0.9286488	0.3652008	0.06830447	0.2825628	0.4810282	0.0555292	0.1398224	0.1398224	grey
0.3676178	0.1319825	0.05526177	0.8251664	0.5105645	0.2563886	0.00462801	0.00462801	blue
0.06416565	0.2572494	0.169356	0.0789964	0.5932026	0.5209633	0.184179	0.184179	turquoise
0.6470957	0.5318411	0.0296237	0.8269739	0.2508464	0.3148704	0.06262458	0.06262458	green
0.869399	0.8447754	0.549843	0.6306863	0.999771	0.9766105	0.9453879	0.9453879	cyan
0.4412904	0.00239653	0.6717924	0.2850036	0.9864266	0.1070296	2.73E-09	2.73E-09	turquoise
0.7045401	0.1818227	0.01824635	0.2386661	0.2258573	0.2694434	0.07341693	0.07341693	turquoise
0.7822128	0.286223	0.8369862	0.1957929	0.6099491	0.9794577	0.2169576	0.2169576	turquoise
0.7140058	0.4455618	0.5916745	0.4997508	0.5249763	0.2786131	0.3734704	0.3734704	turquoise
0.4590588	0.2645911	0.1378404	0.6738371	0.9215165	0.790974	0.06294973	0.06294973	blue
0.3068225	0.6058362	0.4679133	0.4911086	0.7837938	0.3855544	2.78E-05	2.78E-05	grey
0.113103	0.01479409	0.9500222	0.4441045	0.0306873	0.4407422	0.00014537	0.00014537	turquoise
0.8482451	0.3975083	0.6814661	0.0705546	0.1798321	0.267137	0.4984305	0.4984305	grey
0.2183248	0.876104	0.3306499	0.8307045	0.7085987	0.8375151	0.4318484	0.4318484	pink
0.650532	0.00434109	0.874528	0.8246539	0.7265763	0.7324109	8.66E-08	8.66E-08	blue
0.4742665	0.6913754	0.1552376	0.1449623	0.8116341	0.2488962	0.4278362	0.4278362	grey

0.09170011	0.6129239	0.4074516	0.8835747	0.9125319	0.6502528	0.00843704	0.00843704	grey
0.9484525	0.3920271	0.6509209	0.3792952	0.7983433	0.08085159	0.1638499	0.1638499	blue
0.1080894	0.1075955	0.8948035	0.2679846	0.5046303	0.3705626	0.01017356	0.01017356	blue
0.638362	0.2381123	0.1951513	0.4260502	0.7591096	0.0691256	0.05043929	0.05043929	grey
0.5036932	0.2964413	0.0523008	0.7177932	0.3589287	0.5572905	1.04E-22	1.04E-22	brown
0.2508544	0.7431465	0.4618537	0.5288503	0.8611466	0.7860892	0.4122465	0.4122465	grey
0.5676278	0.9197262	0.8989211	0.5254369	0.868189	0.9694443	0.310885	0.310885	blue
0.3346213	0.07762459	0.00080484	0.0025142	0.656577	0.01665706	2.82E-05	2.82E-05	blue
0.04279417	0.3136081	0.01751664	0.1337739	0.781407	0.1112143	0.1525115	0.1525115	turquoise
0.1062503	0.595642	0.4924876	0.4223031	0.4224254	0.3128598	0.00023739	0.00023739	turquoise
0.8705937	0.04757332	0.06200392	0.8282534	0.81163	0.895443	1.00E-05	1.00E-05	yellow
0.02336124	0.2724675	0.1061173	0.3678247	0.71162	0.2767144	7.07E-06	7.07E-06	skyblue
0.1689916	0.08736293	0.0104641	0.0098639	0.3818293	0.00874535	0.1441176	0.1441176	lightcyan
0.4340382	0.01680968	0.8302913	0.5982444	0.6145585	0.4664421	0.0117329	0.0117329	greenyellow
0.5531468	0.00197626	0.05193006	0.259544	0.111691	0.4998256	6.09E-16	6.09E-16	brown
0.6545976	0.02488512	0.6864299	0.9699886	0.07528085	0.1124376	0.1445686	0.1445686	turquoise
0.7991565	0.3699883	0.00807642	0.1364706	0.7580378	0.2919457	0.2853141	0.2853141	turquoise
0.7730352	0.6137712	0.2051713	0.734616	0.1275559	0.2538642	0.06765437	0.06765437	grey
0.1605077	0.8074507	0.09595914	0.4421244	0.6875693	0.5184885	0.06025178	0.06025178	blue
0.6274292	0.7528249	0.01689451	0.2016009	0.63749	0.02107166	0.4544593	0.4544593	turquoise
0.1119136	0.08831046	0.5156204	0.2786811	0.8561174	0.06795834	0.0001207	0.0001207	brown
0.9333192	0.6268235	0.9883401	0.9786217	0.5158282	0.714833	0.4282232	0.4282232	turquoise
0.07951558	0.1656851	0.2767011	0.2381662	0.8557498	0.7962052	0.0002431	0.0002431	grey
0.2970305	0.02771123	0.2159006	0.7218603	0.5274273	0.4246782	6.84E-08	6.84E-08	brown
0.3079936	0.1160284	0.8527334	0.7013803	0.6008103	0.4639574	0.00310111	0.00310111	grey
0.4578555	0.01381408	0.04887511	0.0405031	0.8038157	0.48416	1.15E-09	1.15E-09	grey
0.5018151	0.3082216	0.02996797	0.1281334	0.173473	0.01533933	1.48E-05	1.48E-05	turquoise
0.937729	0.9958897	0.9116172	0.5586433	0.7542043	0.9531006	0.02750205	0.02750205	grey
0.435652	0.5130326	0.1142131	0.5020722	0.5551314	0.7199325	0.00063183	0.00063183	grey
0.6650393	0.1922563	0.6501108	0.2298551	0.5308858	0.6569635	0.1687618	0.1687618	grey
0.5476445	0.05117884	0.04716981	0.0320261	0.4878845	0.154009	0.1676866	0.1676866	blue
0.7569737	0.1964599	0.961348	0.7405556	0.7479199	0.229969	0.05861251	0.05861251	grey
0.7460423	0.03418326	0.407312	0.9584295	0.6429973	0.7389782	8.03E-09	8.03E-09	brown
0.2914689	0.1108135	0.04684201	0.3546542	0.1816403	0.7154426	4.77E-09	4.77E-09	green
0.1204441	0.03073732	0.3239643	0.6105085	0.1550778	0.07924181	0.01457925	0.01457925	grey
0.2929332	0.6534833	0.1300195	0.3864336	0.6832701	0.8513957	0.1405759	0.1405759	turquoise
0.9161518	0.928978	0.3687756	0.7096491	0.8737711	0.1809822	7.74E-07	7.74E-07	yellow
0.4218321	0.1251132	0.6225585	0.026204	0.9530018	0.4356185	0.01982317	0.01982317	grey
0.9505108	0.5659535	0.00080749	0.061738	0.05130636	0.08559135	0.07020467	0.07020467	turquoise
0.2064048	0.1544853	0.4851879	0.909996	0.4565421	0.472913	0.0001173	0.0001173	greenyellow
0.5818508	0.7811917	0.1931328	0.3832541	0.7535622	0.06341898	0.6652898	0.6652898	turquoise
0.384207	0.09962351	0.00412944	0.0224186	0.1565848	0.185154	5.82E-19	5.82E-19	yellow
0.9398275	0.00236303	0.1799691	0.7225768	0.2451224	0.2120567	3.98E-23	3.98E-23	brown
0.08878581	0.7749524	0.427688	0.0756976	0.1584023	0.5217955	0.00014504	0.00014504	yellow
0.6435541	0.05609789	0.05093229	0.1012056	0.6469431	0.7128293	0.01001212	0.01001212	turquoise
0.65454	0.06228798	0.5541441	0.1115515	0.9452132	0.8135496	0.8711377	0.8711377	grey
0.7403631	0.97666	0.0014368	0.9303552	0.2190595	0.03270319	0.3252536	0.3252536	turquoise
0.6447353	0.712465	0.6853376	0.3046884	0.3686547	0.3512828	4.54E-07	4.54E-07	grey
0.8598112	0.06117117	0.01281557	0.409692	0.9030874	0.2828985	0.1870122	0.1870122	turquoise
0.8931049	0.4506613	0.4897059	0.2727616	0.9524033	0.1314869	0.1203108	0.1203108	turquoise
0.2030498	0.09850945	0.02404583	0.1773882	0.9910631	0.222529	0.00270805	0.00270805	turquoise
0.4059188	0.0127529	0.4613209	0.991716	0.04432202	0.808717	0.00539149	0.00539149	grey
0.1574427	0.1300955	0.223473	0.1913477	0.9203055	0.1944039	1.83E-11	1.83E-11	yellow
0.4178481	0.1962983	0.16776	0.2024656	0.9771748	0.447716	0.3816297	0.3816297	grey
0.7122255	0.1332111	0.2137278	0.5233102	0.3771316	0.8462727	0.00031031	0.00031031	turquoise
0.7860648	0.01813867	0.3008576	0.3271654	0.3061487	0.3300134	0.00259053	0.00259053	turquoise
0.16464	0.3895192	0.00260828	0.715724	0.7521866	0.5364662	0.1881994	0.1881994	turquoise
0.7144372	0.1883356	0.0132076	0.0225267	0.6648661	0.07556559	0.2788452	0.2788452	turquoise
0.2293909	0.03080125	0.1531749	0.7336657	0.9910301	0.3527851	0.01352239	0.01352239	turquoise
0.6404571	0.2092789	0.1259128	0.6628957	0.2512844	0.5744192	0.0313551	0.0313551	grey
0.06542969	0.4259935	0.1649488	0.2461351	0.6329983	0.08006977	0.0013915	0.0013915	blue

0.2668056	0.7737436	0.4404827	0.7738319	0.1281301	0.4793592	0.5686705	0.5686705	turquoise
0.5469341	0.06765514	0.06298881	0.3476567	0.7250127	0.4397002	2.19E-19	2.19E-19	yellow
0.09628554	0.2692492	0.9072088	0.9150357	0.2492033	0.6711436	0.2199863	0.2199863	lightgreen
0.308533	0.700541	0.1372285	0.7585592	0.9687356	0.8519102	0.2202187	0.2202187	blue
0.3995677	0.2450669	0.00010281	0.7464391	0.6025582	0.04001846	0.09465687	0.09465687	grey
0.4377724	0.8156427	0.00119054	0.2631212	0.3152198	0.1055785	0.788077	0.788077	turquoise
0.1205885	0.7603015	0.335665	0.71485	0.6579325	0.7119256	0.1581155	0.1581155	grey
0.6343668	0.0498142	0.6427538	0.3153229	0.2462388	0.2170478	0.3188743	0.3188743	grey
0.810637	0.01385166	0.2896367	0.894651	0.7432136	0.6880514	5.18E-10	5.18E-10	brown
0.4736996	0.1128054	0.08207709	0.1648012	0.13501	0.02299407	0.00518637	0.00518637	turquoise
0.5412617	0.8090044	0.3427237	0.0140535	0.7524364	0.319649	0.01249131	0.01249131	grey
0.3639126	0.2920694	0.00041781	0.0469194	0.05049119	0.02160201	0.03228535	0.03228535	turquoise
0.2863642	0.8175937	0.5166168	0.9889742	0.0105148	0.8591707	0.5404094	0.5404094	grey
0.1856463	0.05693898	0.05917122	0.0825324	0.6322616	0.2026179	7.57E-05	7.57E-05	turquoise
0.6659876	0.08237654	0.2891091	0.6988691	0.9607152	0.2478504	4.46E-07	4.46E-07	brown
0.1857155	0.7728757	0.8001229	0.4947744	0.6699057	0.9816368	0.2705787	0.2705787	salmon
0.4748798	0.1657137	0.1956551	0.4382545	0.6196861	0.4182792	0.7597137	0.7597137	grey
0.8347484	0.1539808	0.1114821	0.1151674	0.4782779	0.04338609	0.00166837	0.00166837	blue
0.8809508	0.6175285	0.1369516	0.9886041	0.8159206	0.9146419	0.6065182	0.6065182	blue
0.4252502	0.9503589	0.03058894	0.8668866	0.05183934	0.9807496	0.9066042	0.9066042	grey
0.4202089	0.02055106	0.5091371	0.994031	0.6916808	0.8476268	1.53E-05	1.53E-05	black
0.8779367	0.9811748	0.1171567	0.4820463	0.3049256	0.392182	0.5728877	0.5728877	grey
0.01450676	0.8256543	0.802595	0.4330886	0.6992897	0.6249269	0.7285441	0.7285441	grey
0.07475756	0.3260166	0.02646146	0.4087868	0.7521699	0.9488415	0.6027618	0.6027618	blue
0.1633466	0.7854272	0.00028236	0.0280893	0.7999866	0.2821085	1.87E-07	1.87E-07	yellow
0.2760666	0.04279802	0.0378609	0.1246535	0.715031	0.00526416	2.10E-05	2.10E-05	blue
0.3980279	0.7377872	0.9836112	0.3516258	0.3849129	0.1463379	0.0100797	0.0100797	red
0.4328282	0.04400379	0.954834	0.8913101	0.9774759	0.6950557	0.2466393	0.2466393	turquoise
0.9498038	0.06551219	0.00280687	0.081953	0.2221129	0.839836	7.40E-22	7.40E-22	brown
0.01479093	0.2674616	0.4139774	0.0619237	0.4048208	0.6112015	0.08836575	0.08836575	grey
0.5890619	0.4709344	0.04286817	0.279424	0.8275459	0.1697956	0.1394941	0.1394941	grey
0.5441636	0.00788655	0.09209883	0.3252325	0.7788396	0.2478586	0.00709891	0.00709891	turquoise
0.1626663	0.3075292	0.6443205	0.3671031	0.6940118	0.5257699	0.3996654	0.3996654	grey
0.3493923	6.20E-05	0.6380693	0.7906607	0.438935	0.4882217	9.71E-08	9.71E-08	brown
0.6096031	0.7472719	0.00167543	0.5293259	0.6562556	0.09274077	0.00362525	0.00362525	green
0.4194129	0.0092701	0.8127108	0.5337647	0.1741677	0.4226981	0.00145714	0.00145714	grey
0.9802401	0.00657637	0.1954635	0.9758115	0.9858258	0.2584559	3.36E-21	3.36E-21	brown
0.01032743	0.159209	0.6356236	0.0401649	0.7126913	0.3665214	0.06985815	0.06985815	grey
0.6038859	0.5713905	0.5760345	0.3150922	0.4056582	0.9682213	0.9802144	0.9802144	turquoise
0.1989499	0.03450927	0.04504263	0.9546786	0.8338767	0.1946883	0.6489043	0.6489043	grey
0.4909669	0.00071021	0.8790926	0.1335287	0.6895484	0.4175702	0.00058809	0.00058809	yellow
0.1511157	0.6902895	0.7161277	0.9001392	0.5986482	0.7118373	0.04138099	0.04138099	cyan
0.07207273	0.9670228	0.6851886	0.9085245	0.9844437	0.8685233	0.8228001	0.8228001	grey
0.01266607	0.7514604	0.3343485	0.4582933	0.6087526	0.368122	0.1463397	0.1463397	grey
0.0884051	0.04592112	0.4930359	0.782619	0.6077877	0.6302114	0.1075851	0.1075851	grey60
0.1233435	0.8607719	0.0581684	0.544792	0.7963234	0.125051	0.09458472	0.09458472	green
0.3298339	0.9323817	0.1667106	0.8420906	0.736008	0.7605467	0.07211752	0.07211752	grey
0.9382605	0.3561047	0.2479215	0.2401319	0.7586628	0.2338405	0.1230328	0.1230328	blue
0.2747448	0.0304336	0.6564417	0.4071932	0.1532035	0.7604232	0.9663224	0.9663224	grey
0.9068846	0.3397567	0.05834009	0.8005279	0.7093384	0.5949591	0.00081859	0.00081859	brown
0.5537831	0.03702806	0.3389463	0.3085269	0.9313759	0.8157823	0.0378492	0.0378492	blue
0.603032	0.06094223	0.4408952	0.5840969	0.00108438	0.9402497	0.9057784	0.9057784	turquoise
0.7305873	0.4331826	0.02091076	0.6278117	0.3288216	0.197937	0.4449507	0.4449507	grey
0.9050316	0.879594	0.05743328	0.8868121	0.6295627	0.9982689	0.08905893	0.08905893	grey
0.9020329	0.7744927	0.00781429	0.082026	0.1108274	0.01762541	0.01025501	0.01025501	turquoise
0.133854	0.2330617	0.3045731	0.594779	0.2756391	0.4768765	0.6253586	0.6253586	turquoise
0.2913783	0.6405305	0.00129294	0.1512891	0.6330189	0.3205602	0.23509	0.23509	pink
0.1865054	0.03672783	0.2818666	0.975785	0.2399511	0.4352312	0.08365932	0.08365932	turquoise
0.4675432	0.6308134	0.1905966	0.9679159	0.9295353	0.9263442	0.6312052	0.6312052	turquoise
0.4865847	0.1592598	0.16871	0.3482286	0.4390231	0.9921984	1.07E-05	1.07E-05	blue
0.06923118	0.0816926	0.3340165	0.4609174	0.5683357	0.2341338	0.03425339	0.03425339	blue

0.05557657	0.5088207	0.3919127	0.0361255	0.06422468	0.3217925	0.00121773	0.00121773	grey
0.9939218	0.4071025	0.00076913	0.4203783	0.8732821	0.1470192	0.1218666	0.1218666	turquoise
0.2723539	0.2369216	0.1224501	0.2837857	0.6325993	0.9115508	0.07602359	0.07602359	turquoise
0.3291891	0.7146097	0.7141207	0.3963004	0.7181347	0.7915062	0.3537123	0.3537123	grey
0.6122594	0.5172427	0.04574167	0.7534967	0.06769904	0.847178	0.6504099	0.6504099	grey
0.03959702	0.563126	0.6810898	0.7595695	0.7894484	0.4096277	1.12E-13	1.12E-13	yellow
0.1761548	0.1350738	0.194328	0.79326	0.1464906	0.7264701	0.1730261	0.1730261	turquoise
0.8132182	0.06480331	0.08335576	0.8418819	0.8713006	0.6237906	3.49E-37	3.49E-37	brown
0.9213684	0.7934486	0.07366727	0.9294323	0.8282252	0.6161895	0.1120396	0.1120396	green
0.2166828	0.1187684	0.5351955	0.8940567	0.4965778	0.6014256	0.00194886	0.00194886	grey
0.2076334	0.152517	0.1416455	0.0147604	0.4733712	0.04554017	0.00025459	0.00025459	grey
0.5522366	0.2777555	0.5709532	0.9325043	0.3914785	0.7574238	0.01206294	0.01206294	grey
0.06093604	0.1677239	0.4687414	0.410591	0.525721	0.0521119	0.8889081	0.8889081	grey
0.3798417	0.7448441	0.4123771	0.2552393	0.6241821	0.03988537	0.01750336	0.01750336	turquoise
0.4121695	0.5642414	0.5320689	0.0831112	0.6513505	0.234795	0.07982172	0.07982172	lightyellow
0.2916535	0.3188106	0.1075205	0.561411	0.1854011	0.9281284	0.00011918	0.00011918	brown
0.7492435	0.01726168	0.07495696	0.9798606	0.7143792	0.1755781	4.43E-05	4.43E-05	blue
0.7836257	0.1803912	0.2723803	0.2659605	0.6512283	0.3369245	0.00123968	0.00123968	blue
0.8252926	0.3014167	0.7065188	0.7563504	0.8951662	0.8678987	0.06762214	0.06762214	blue
0.1500357	0.7851099	0.1625928	0.205737	0.9169504	0.2579127	0.9880803	0.9880803	turquoise
0.1065394	0.5025212	0.2228792	0.7346176	0.9113447	0.1867026	0.00112617	0.00112617	blue
0.8344969	0.1551085	0.01696363	0.0173877	0.6096276	0.4070929	9.28E-11	9.28E-11	brown
0.2393262	0.4274936	0.6590728	0.5909105	0.9636441	0.8404077	0.00270012	0.00270012	blue
0.03595323	0.9941573	0.4275814	0.7565947	0.7101945	0.7965884	0.0082343	0.0082343	greenyellow
0.4768031	0.2566238	0.5422672	0.3179948	0.5225899	0.8781536	0.0020643	0.0020643	grey
0.06348765	0.09452554	0.653741	0.1722123	0.5650364	0.8333873	0.00638877	0.00638877	blue
0.4166423	0.4191597	0.07783522	0.8327703	0.6018894	0.4196867	0.00187729	0.00187729	turquoise
0.3449594	0.00159283	0.4341614	0.8728825	0.872409	0.3114827	1.53E-10	1.53E-10	brown
0.4151734	0.2803615	0.7364567	0.1037521	0.4643562	0.7056201	0.3602696	0.3602696	grey
0.7477384	0.1255915	0.9645034	0.3804817	0.9566345	0.9430398	0.5739323	0.5739323	grey
0.06247678	0.7439299	0.8950482	0.8541787	0.836727	0.3889778	0.2341387	0.2341387	blue
0.1657464	0.1088881	0.06605029	0.2449127	0.5991295	0.2359264	3.54E-22	3.54E-22	yellow
0.8398187	0.9472202	0.3923706	0.1933728	0.8071143	0.6668185	0.00663021	0.00663021	grey
0.7612845	0.03119062	0.8169546	0.4169806	0.9820204	0.970189	3.17E-05	3.17E-05	grey
0.8611758	0.00896331	0.2413894	0.2779101	0.70676	0.4150439	4.17E-08	4.17E-08	turquoise
0.839683	0.7712588	0.6685926	0.8663	0.05849829	0.4690706	0.09012394	0.09012394	turquoise
0.3147746	0.1845765	0.7991892	0.8833451	0.7808769	0.4616594	2.30E-05	2.30E-05	blue
0.8781854	0.8058174	0.8126142	0.9230862	0.337	0.721205	0.01313955	0.01313955	turquoise
0.1382775	0.2174298	0.02175679	0.046083	0.4778686	0.1438859	0.1092008	0.1092008	black
0.0510493	0.00142991	0.7660761	0.6804845	0.07284277	0.2883452	2.54E-09	2.54E-09	blue
0.6549995	0.8323588	0.1351788	0.0590314	0.6741232	0.00734206	0.2206526	0.2206526	turquoise
0.4404968	0.5938129	0.00494248	0.4222643	0.8602988	0.00534305	0.754677	0.754677	blue
0.01367012	0.191792	0.1368829	0.0320893	0.2946279	0.3473379	0.2351635	0.2351635	grey
0.2310933	0.09057405	0.2246136	0.9217377	0.2361914	0.1419559	0.6244827	0.6244827	grey
0.04560218	0.02305635	0.6885349	0.8066698	0.4374981	0.7620999	1.53E-05	1.53E-05	blue
0.6845114	0.2969253	0.9528234	0.9841442	0.2106542	0.2355921	3.20E-06	3.20E-06	turquoise
0.5224726	0.07978298	0.3742727	0.8126025	0.209111	0.00625423	0.1560928	0.1560928	grey
0.300657	0.01529576	0.1165898	0.7586087	0.9540258	0.389956	8.34E-12	8.34E-12	brown
0.07773689	0.6173303	0.00609512	0.2847468	0.07031079	0.25083	0.1527004	0.1527004	tan
0.4157801	0.00410865	0.1101778	0.218867	0.5886887	0.06225498	8.77E-05	8.77E-05	turquoise
0.4187019	0.4376191	0.420607	0.7812412	0.3559701	0.2562241	0.00816071	0.00816071	grey
0.2005767	0.2709981	0.1075454	0.5870272	0.5595015	0.411119	0.486534	0.486534	turquoise
0.7564055	0.1050165	0.0021627	0.7085752	0.3249998	0.3288751	1.29E-06	1.29E-06	green
0.01273376	0.438368	0.04032551	0.3773489	0.4409107	0.6893246	0.03333266	0.03333266	magenta
0.6279407	0.9182871	0.9670146	0.2532958	0.3132565	0.8247854	0.05166515	0.05166515	turquoise
0.05999486	0.2232532	0.8353068	0.6679932	0.7107401	0.2937898	0.133747	0.133747	grey
0.6651877	0.2549223	0.8531932	0.4575703	0.5515259	0.5007684	0.02530119	0.02530119	grey
0.623737	0.9518671	0.00441645	0.079825	0.4455875	0.6422999	6.43E-05	6.43E-05	magenta
0.0073372	0.04394117	0.5441381	0.4016	0.2603807	0.197282	0.5692037	0.5692037	grey
0.6060389	0.525228	0.6563621	0.4144801	0.4358101	0.1268996	0.6520032	0.6520032	blue
0.7356346	0.3879631	0.0003201	0.1217813	0.7885928	0.01039161	0.1366487	0.1366487	turquoise

0.4567238	0.3940981	0.03060096	0.0824047	0.03022709	0.08195639	0.1201225	0.1201225	grey
0.4804414	0.3754041	0.8264181	0.3526917	0.7474892	0.601147	0.6283407	0.6283407	purple
0.2289222	0.09679688	0.09207466	0.4121719	0.6818821	0.09249399	0.00130634	0.00130634	pink
0.634828	0.1732816	0.00692797	0.2745307	0.4452145	0.4450839	0.8272617	0.8272617	turquoise
0.8843992	0.781	0.1902855	0.2879232	0.7739375	0.6975629	0.2202143	0.2202143	grey
0.07053561	0.8174585	0.9418377	0.7783981	0.5488653	0.9469398	0.8624168	0.8624168	grey
0.5354161	0.8868643	0.1174753	0.4803224	0.9430905	0.4553367	0.1424177	0.1424177	turquoise
0.137047	0.2859713	0.2375126	0.9297746	0.9079994	0.4441054	0.03146814	0.03146814	grey
0.7623126	0.1342113	0.0032491	0.6384615	0.6866135	0.08087432	0.03704512	0.03704512	turquoise
0.4913211	0.03785683	0.03766762	0.1348124	0.9376086	0.6230509	0.3191159	0.3191159	turquoise
0.4417516	0.1034011	0.8534715	0.737479	0.8525089	0.4758638	0.00505545	0.00505545	darkgrey
0.6232975	0.6696395	0.2793521	0.9790167	0.317969	0.1368267	0.02968666	0.02968666	turquoise
0.8254719	0.5596298	0.8081557	0.7898293	0.2837121	0.5033857	0.01672249	0.01672249	grey
0.7515508	0.5743371	0.00049799	0.0727284	0.6074574	0.1602206	8.59E-08	8.59E-08	green
0.1902576	0.01148605	0.01979161	0.5309553	0.6735001	0.5873579	0.00150448	0.00150448	magenta
0.7643472	0.2535183	0.04721553	0.7587994	0.5014985	0.06499405	0.00177503	0.00177503	turquoise
0.155534	0.1633685	0.2365202	0.0120446	0.7676391	0.1895107	1.59E-05	1.59E-05	grey
0.8547102	0.2092993	0.00265039	0.2908196	0.4543034	0.1453799	0.00377949	0.00377949	turquoise
0.5769898	0.1048655	0.3545907	0.9011902	0.6511271	0.9157406	0.5565799	0.5565799	turquoise
0.9274316	0.01625718	0.3569134	0.6077164	0.797778	0.5465423	0.00144089	0.00144089	grey
0.2823227	0.0959912	0.0315339	0.795632	0.7189344	0.01954461	0.219161	0.219161	darkorange
0.3547704	0.3377977	0.0806659	0.0954009	0.7949484	0.02556143	3.53E-05	3.53E-05	grey
0.00471123	0.3841747	0.2574877	0.5021495	0.1429117	0.5480522	0.07640632	0.07640632	greenyellow
0.00025913	0.2667572	0.2243101	0.4028277	0.3263728	0.608267	0.7269564	0.7269564	grey
0.711201	0.9425053	0.2107617	0.3916661	0.6939338	0.1890048	0.03610555	0.03610555	grey
0.8208432	0.08322745	0.1046547	0.2194926	0.5752501	0.8910614	2.79E-09	2.79E-09	grey
0.1752947	0.5237822	0.01746468	0.1487437	0.7205872	0.8036288	3.57E-11	3.57E-11	yellow
0.01173656	0.3661696	0.192364	0.6229721	0.6948424	0.7234981	0.7021268	0.7021268	grey
0.4539858	0.5878242	0.347999	0.9803632	0.3095613	0.887138	0.4605389	0.4605389	grey
0.2400346	0.7029169	0.1425987	0.2976253	0.9364602	0.7962361	0.01498036	0.01498036	pink
0.5112193	0.00557346	0.3722659	0.4919443	0.296314	0.6645103	9.77E-10	9.77E-10	grey
0.1755905	0.1704159	0.473719	0.8790606	0.8221434	0.2787498	3.06E-05	3.06E-05	blue
0.5083654	0.6548655	0.889289	0.4491817	0.4900663	0.9186721	0.4890634	0.4890634	turquoise
0.7479451	0.01814946	0.02484167	0.1349182	0.8643813	0.9102873	3.06E-19	3.06E-19	yellow
0.02100918	0.09796856	0.3817693	0.1046845	0.04667119	0.5502711	0.04205393	0.04205393	blue
0.207665	0.2399421	0.3724645	0.9224294	0.8457337	0.1722112	0.00043762	0.00043762	blue
0.5465784	0.5301695	0.7162065	0.4107176	0.9515043	0.9199636	0.0316582	0.0316582	blue
0.04277458	0.8752136	0.04126988	0.7666612	0.9926388	0.2382235	0.1046201	0.1046201	turquoise
0.4775965	0.06324402	0.5375789	0.2509835	0.7312979	0.7746075	0.00397115	0.00397115	grey
0.591485	0.03009684	0.4201574	0.4228651	0.7536283	0.8176328	0.04113646	0.04113646	blue
0.5862561	0.00475111	0.00393382	0.0466564	0.7598291	0.7385684	1.59E-05	1.59E-05	yellow
0.8614011	0.3931127	0.08775741	0.2866558	0.2443224	0.4151778	0.0009697	0.0009697	turquoise
0.7456145	0.9944891	0.07636628	0.3373189	0.01627878	0.1121758	0.3308456	0.3308456	grey
0.7845024	0.05553963	0.0009027	0.162282	0.2494691	0.68589	1.48E-26	1.48E-26	yellow
0.9306246	0.7914616	0.8310209	0.6951691	0.6196571	0.5776603	0.226045	0.226045	blue
0.9303248	0.2013491	0.3004742	0.8340802	0.9475377	0.4917937	0.4844599	0.4844599	green
0.7116013	0.7953098	0.5512319	0.891887	0.9872843	0.5077217	5.94E-09	5.94E-09	turquoise
0.5898214	0.537589	0.2717817	0.2291825	0.9393328	0.9623006	4.91E-05	4.91E-05	red
0.3967666	0.2952587	0.03789467	0.5203391	0.2648482	0.5088183	4.63E-14	4.63E-14	brown
0.06156758	0.8364701	0.04501165	0.9645906	0.9359794	0.0246756	0.01050663	0.01050663	blue
0.1238152	0.0891489	0.04758061	0.0053887	0.1929352	0.2782358	0.4277581	0.4277581	grey
0.5375392	0.09257951	4.89E-05	0.4512316	0.7025016	0.6691224	0.03345512	0.03345512	magenta
0.3703953	0.3403779	0.2128792	0.9894579	0.2391323	0.7795117	0.00052998	0.00052998	grey
0.2099242	0.1516839	0.8535509	0.3492668	0.5041536	0.8961376	0.3924648	0.3924648	grey
0.4485527	0.8162307	0.2614262	0.5106286	0.924546	0.5830455	0.3972394	0.3972394	blue
0.1634212	0.7666865	0.01693324	0.2603415	0.9090527	0.8023352	7.90E-27	7.90E-27	yellow
0.6371242	0.08912804	0.00421184	0.1971356	0.8455467	0.06839421	0.00019207	0.00019207	blue
0.09399437	0.1604898	0.0001714	0.2744197	0.4906554	0.0209112	0.4802338	0.4802338	turquoise
0.2396499	0.4338001	0.3288139	0.6861802	0.683163	0.05013128	0.02611834	0.02611834	grey
0.2756949	0.420154	0.00035053	0.0356211	0.4978846	0.1747032	3.70E-07	3.70E-07	magenta
0.1268573	0.01384772	0.01098328	0.2582055	0.7576066	0.6300826	7.05E-17	7.05E-17	brown

0.7340603	0.4781952	0.04654804	0.3415214	0.07855271	0.8565378	0.0030091	0.0030091	blue
0.3015422	0.3843814	0.08740656	0.9258338	0.3915115	0.9018683	0.07378533	0.07378533	turquoise
0.8331846	0.7686247	0.1281952	0.6717368	0.07674943	0.09802003	0.00026356	0.00026356	grey
0.4341281	0.8308895	0.1639022	0.4562768	0.6319381	0.9780716	0.00411704	0.00411704	brown
0.1888632	0.7531581	0.9805885	0.5481325	0.9923516	0.5611893	0.1590378	0.1590378	grey
0.1408665	0.8110321	0.4518926	0.1739481	0.01301336	0.08021817	0.4348292	0.4348292	grey
0.2097899	0.1716424	0.226687	0.425897	0.7746457	0.1586622	0.02822528	0.02822528	lightgreen
0.05749755	0.216002	0.3735933	0.9170444	0.5874399	0.3196149	0.00596003	0.00596003	turquoise
0.1302854	0.8542206	0.104636	0.5722237	0.5388265	0.4621162	0.1569406	0.1569406	turquoise
0.3655514	0.6590015	0.01301915	0.6233964	0.8280256	0.1815558	0.5326117	0.5326117	red
0.7155596	0.4599288	0.02738345	0.1200265	0.3610207	0.02950197	0.636767	0.636767	turquoise
0.7432568	0.2900888	0.8802724	0.874627	0.6986302	0.811658	0.1980536	0.1980536	turquoise
0.9029137	0.337684	0.4788419	0.9802813	0.6488115	0.3232048	2.29E-06	2.29E-06	blue
0.2471684	0.29077	0.8538653	0.223558	0.6394526	0.1024204	2.13E-05	2.13E-05	brown
0.9838511	0.3687994	0.00029183	0.4117338	0.4849221	0.1528754	0.382865	0.382865	green
0.7202802	0.2309689	0.9721698	0.086363	0.6193954	0.2469486	0.4400338	0.4400338	grey
0.02384451	0.5052617	0.3342582	0.309503	0.4178961	0.0930065	0.262407	0.262407	blue
0.7039451	0.2307486	0.5250215	0.9068233	0.52811	0.9747549	0.00576493	0.00576493	turquoise
0.6110074	0.2124381	0.745249	0.1717829	0.1466217	0.5863565	1.45E-08	1.45E-08	grey
0.3339821	0.4240706	0.8267434	0.4220684	0.7285623	0.9601809	0.02078959	0.02078959	turquoise
0.06365052	0.0709926	0.9811061	0.2495503	0.9626545	0.02963196	0.218885	0.218885	grey
0.607687	0.00225579	0.2886819	0.8268326	0.4154564	0.3391495	2.59E-07	2.59E-07	grey
0.1026976	0.03327509	0.4428036	0.0478473	0.5975114	0.1412583	6.49E-07	6.49E-07	grey
0.7235668	0.00333512	0.03035745	0.2904846	0.6978036	0.1696304	3.91E-20	3.91E-20	yellow
0.8636314	0.8055246	0.4348067	0.3990565	0.874868	0.5776011	7.65E-05	7.65E-05	grey
0.3446669	0.02228867	0.8428414	0.5951916	0.6958886	0.7065864	0.07975983	0.07975983	grey
0.8986207	0.5747049	0.3645335	0.7568123	0.7784202	0.1935576	0.7938786	0.7938786	turquoise
0.3423933	0.4874506	0.00113065	0.5525478	0.7812688	0.00688088	0.00895525	0.00895525	turquoise
0.4512796	0.7156607	0.05280212	0.40804	0.9280437	0.6049812	0.9445534	0.9445534	pink
0.02124384	0.2635176	0.2215349	0.3152577	0.9263306	0.1949765	0.02045849	0.02045849	blue
0.7617675	0.5005516	0.8861961	0.1283525	0.5789425	0.7595308	0.00365128	0.00365128	grey
0.165968	0.3394753	0.2143114	0.1211958	0.4553679	0.0080958	0.6066177	0.6066177	grey
0.06175838	0.4694007	0.6445126	0.959966	0.2857927	0.9356852	2.21E-06	2.21E-06	grey
0.475603	0.00336107	0.06614007	0.5468652	0.916412	0.7797432	5.30E-12	5.30E-12	brown
0.2302905	0.5654482	0.03661513	0.3363569	0.7463003	0.6102734	0.0147569	0.0147569	turquoise
0.2188345	0.0271217	0.8963461	0.545385	0.6660423	0.8944917	0.01487036	0.01487036	grey60
0.6292083	0.3602044	0.08858334	0.5457236	0.5907501	0.3597997	0.01322735	0.01322735	brown
0.7214914	0.7415189	0.0003875	0.3187118	0.2450706	0.02867267	0.272176	0.272176	blue
0.9180735	0.6632655	0.1444855	0.2356134	0.4370075	0.03641332	0.1708992	0.1708992	turquoise
0.6996689	0.03974401	0.4159151	0.9932631	0.1945478	0.6700304	9.81E-05	9.81E-05	blue
0.652592	0.532894	0.2096072	0.6899513	0.8088573	0.4031152	0.525347	0.525347	grey
0.3372875	0.7953941	0.6606641	0.4309675	0.9720937	0.1391002	0.00733718	0.00733718	blue
0.8992635	0.8026065	0.2796746	0.5620176	0.7335384	0.4712817	0.4935878	0.4935878	grey
0.5879761	0.1095237	0.03329489	0.134529	0.9090074	0.03196609	0.0002595	0.0002595	turquoise
0.4926959	0.170928	0.3686708	0.0711463	0.8540569	0.9402928	0.03764911	0.03764911	grey
0.6233489	0.02142861	0.3515099	0.0707415	0.8481356	0.07493313	0.00733416	0.00733416	grey
0.6470234	0.7406556	0.1583646	0.1971633	0.7770108	0.0811538	0.3490727	0.3490727	grey
0.2296171	0.6402791	0.0002413	0.4516371	0.1849698	0.1565183	9.78E-05	9.78E-05	turquoise
0.7250053	0.9629053	0.9633863	0.4783308	0.5137442	0.2521487	3.15E-05	3.15E-05	yellow
0.1838996	0.7795036	0.00368583	0.3355855	0.5766152	0.2058771	0.4452308	0.4452308	pink
0.05124509	0.8658666	0.844388	0.5782168	0.8614778	0.7439504	0.545197	0.545197	grey
0.09826303	0.02399328	0.8581121	0.4300299	0.295411	0.7663256	0.04415704	0.04415704	blue
0.6620844	0.1353594	0.5549268	0.5168319	0.5685835	0.1251817	0.00039503	0.00039503	skyblue
0.6176119	0.01804899	0.4547486	0.9106082	0.3416197	0.06902789	4.50E-08	4.50E-08	blue
0.5721512	0.0426501	0.5187078	0.1372003	0.3973339	0.7626952	0.00245856	0.00245856	grey
0.7150863	0.3656637	0.7528568	0.5757894	0.3213078	0.5122258	0.02205915	0.02205915	turquoise
0.1372799	0.1612815	0.05943387	0.08207	0.3180717	0.3802442	0.1516633	0.1516633	grey
0.440028	0.3981353	0.0040256	0.1271805	0.5608076	0.07655344	1.84E-12	1.84E-12	yellow
0.6276422	0.05904517	0.1318182	0.53002	0.3383256	0.7968219	0.02550057	0.02550057	turquoise
0.2011805	0.9132864	0.00012798	0.0184362	0.09115984	0.08155037	3.28E-05	3.28E-05	magenta
0.2598061	0.6454752	0.00895045	0.1536022	0.5510872	0.03524217	0.00668295	0.00668295	turquoise

0.8647579	0.00486504	0.00785085	0.2328364	0.8756683	0.9440757	6.77E-18	6.77E-18	brown
0.3209423	0.4731074	0.1420956	0.1122546	0.7393045	0.1075066	0.634239	0.634239	darkgreen
0.9104	0.0025367	0.2087961	0.4469121	0.7758709	0.5038728	5.84E-16	5.84E-16	brown
0.2476337	0.1292747	0.1621239	0.4180117	0.5348855	0.379104	9.40E-05	9.40E-05	blue
0.02275911	0.5123148	0.8750732	0.0755583	0.5258568	0.4238001	0.9528394	0.9528394	grey
0.2692096	0.02151951	0.1868278	0.0368366	0.6206677	0.4255805	0.00128966	0.00128966	turquoise
0.785922	0.784074	0.00449475	0.2122122	0.9456804	0.2034781	0.0091301	0.0091301	turquoise
0.07882878	0.1231335	0.01435297	0.874403	0.3264721	0.3265101	0.5324494	0.5324494	turquoise
0.8400052	0.0207147	0.00979201	0.0852291	0.2591692	0.2712727	0.00433921	0.00433921	brown
0.8488891	0.03479145	0.0001765	0.3665893	0.07793091	0.3419527	0.4247027	0.4247027	blue
0.9611085	0.2134488	0.3766613	0.1913829	0.7833259	0.3395418	6.95E-08	6.95E-08	brown
0.2207427	0.7970518	0.2493976	0.7508904	0.2694031	0.5234874	0.04676323	0.04676323	turquoise
0.428833	0.4773589	0.2307874	0.3796866	0.3338066	0.3954557	0.00969492	0.00969492	turquoise
0.3151612	0.08437951	0.6362803	0.1401896	0.8231006	0.7405128	0.1590579	0.1590579	grey
0.3661696	0.3867843	0.07329463	0.442349	0.8363876	0.07269164	0.0881897	0.0881897	turquoise
0.5267337	0.00210245	0.784518	0.8907291	0.8766913	0.6837879	0.00014964	0.00014964	turquoise
0.05282115	0.1426177	0.03568695	0.2865817	0.1729455	0.2221193	0.01334061	0.01334061	green
0.5132921	0.6582134	0.04275628	0.9056404	0.9363888	0.8695598	0.00549423	0.00549423	grey
0.8101874	0.2794392	0.5039763	0.8117496	0.9253269	0.4913516	0.00131808	0.00131808	blue
0.191956	0.119494	0.4203506	0.6414267	0.2040761	0.3429811	0.1805984	0.1805984	turquoise
0.4579659	0.7938815	0.7305319	0.8846166	0.9927942	0.2386864	0.4241355	0.4241355	turquoise
0.619477	0.09934119	0.3154483	0.629851	0.4992298	0.532744	0.1048334	0.1048334	grey
0.8068712	0.02405834	0.03300623	0.3198142	0.3884819	0.2999854	0.00017452	0.00017452	brown
0.1133165	0.1760727	0.7006573	0.529867	0.7620822	0.9237667	0.00444348	0.00444348	red
0.03327289	0.4997943	0.81728	0.2639006	0.1904825	0.1823695	0.124571	0.124571	skyblue
0.8341954	0.89487	0.01579635	0.0784521	0.1553511	0.1123037	0.00039701	0.00039701	green
0.7234931	0.07500519	0.925376	0.4761167	0.8853905	0.3791149	0.019953	0.019953	blue
0.2532643	0.250427	0.9017995	0.1624887	0.1284645	0.5965929	0.5554521	0.5554521	green
0.9989731	0.00660916	0.4629198	0.2817358	0.8661818	0.9303946	3.26E-06	3.26E-06	brown
0.9073126	0.1812652	0.9474723	0.9231459	0.9825319	0.9903879	1.11E-14	1.11E-14	grey
0.1963601	0.09889248	0.6500533	0.2189125	0.3801453	0.0840939	0.00078969	0.00078969	turquoise
0.471667	0.4548474	0.4758556	0.5631799	0.6766072	0.1267934	0.2827454	0.2827454	grey
0.2235016	0.9588992	0.00601946	0.7703458	0.7345247	0.00105699	0.00278478	0.00278478	darkorange
0.9856662	0.3275095	0.04452557	0.7735678	0.3981002	0.4787154	0.8531598	0.8531598	tan
0.205622	0.06673103	0.7844618	0.8131715	0.9767896	0.5302359	0.743169	0.743169	greenyellow
0.04095275	0.5928174	0.38222	0.0800468	0.6403748	0.04320935	0.03610406	0.03610406	turquoise
0.7037277	0.7172145	0.1497589	0.1442185	0.1836951	0.7317783	0.1705448	0.1705448	grey
0.3168742	0.00515487	0.1023671	0.868651	0.720304	0.3894705	1.59E-09	1.59E-09	brown
0.9286575	0.5211508	0.1955812	0.4646263	0.9827291	0.7977011	0.02122427	0.02122427	grey
0.1632587	0.01659448	0.8314328	0.9462502	0.5715913	0.6050732	0.00595371	0.00595371	red
0.9332222	0.6942551	0.6993721	0.1051254	0.4481627	0.5263443	0.1391223	0.1391223	lightcyan
0.6132876	0.00410984	0.4235877	0.7970733	0.9079651	0.08568867	1.34E-06	1.34E-06	grey
0.3625088	0.7079691	0.6618537	0.75806	0.2282088	0.9844625	0.9819768	0.9819768	blue
0.6546392	0.3135241	0.3433308	0.3143204	0.6141708	0.2035572	0.00828882	0.00828882	blue
0.198433	0.00336245	0.00075003	0.0433559	0.1913692	0.02544995	2.41E-08	2.41E-08	brown
0.07081622	0.3167791	0.748352	0.3609586	0.1094604	0.2759741	0.7800276	0.7800276	turquoise
0.6746981	0.2756428	0.5110332	0.5553802	0.2677694	0.988192	0.00132464	0.00132464	grey
0.671535	0.3984149	0.00711886	0.5597622	0.1943212	0.1447966	0.1563667	0.1563667	grey
0.3118972	0.06018379	0.6380636	0.7693992	0.1428977	0.7620963	1.29E-05	1.29E-05	blue
0.1815388	0.7608002	0.02955438	0.2550142	0.5318264	0.08700074	0.2927681	0.2927681	turquoise
0.00758993	0.00062664	0.2752895	0.2949284	0.3535121	0.6558033	8.32E-11	8.32E-11	turquoise
0.1906718	0.6786945	0.07449947	0.0997162	0.9977034	0.06442898	0.3061218	0.3061218	turquoise
0.9924171	0.07252395	0.33927	0.8944302	0.2491092	0.8189748	0.8556467	0.8556467	green
0.2113996	0.3140917	0.724608	0.9233849	0.4037526	0.8548342	0.00033683	0.00033683	blue
0.3228788	0.153382	0.00733534	0.1019062	0.7677209	0.06858123	0.08356678	0.08356678	orange
0.8148953	0.3627211	0.00026825	0.0711225	0.7110288	0.6048217	2.36E-06	2.36E-06	magenta
0.323854	0.9812676	0.7687949	0.1547223	0.348163	0.2380434	0.00743577	0.00743577	lightcyan
0.4378481	0.03956894	0.1104802	0.768868	0.9480564	0.1781136	0.6675277	0.6675277	green
0.7566818	0.8260954	0.01203343	0.541191	0.1423205	0.2880704	0.7596473	0.7596473	turquoise
0.5483422	0.00399872	0.02767277	0.5076192	0.6183578	0.2985662	8.40E-19	8.40E-19	brown
0.3226313	0.00633481	0.1747189	0.9428856	0.8697787	0.2891354	2.13E-08	2.13E-08	brown

0.2755986	0.3020203	0.01095927	0.0855405	0.5882718	0.988792	6.20E-07	6.20E-07	brown
0.3002683	0.00496207	0.1312165	0.0328464	0.9441152	0.6556217	6.81E-12	6.81E-12	yellow
0.5581193	0.4895618	0.8644701	0.2552888	0.3851993	0.7004045	1.92E-12	1.92E-12	lightyellow
0.02044042	0.765671	0.1388922	0.0511111	0.7515789	0.2683847	0.00516331	0.00516331	grey
0.3566837	0.05340509	0.0981456	0.6697243	0.1125426	0.2511951	0.02918856	0.02918856	blue
0.1493802	0.00235338	0.7518894	0.6240998	0.4356423	0.7822725	4.63E-05	4.63E-05	grey
0.7822346	0.4444411	0.2422304	0.5192607	0.4629168	0.5280988	0.1017157	0.1017157	turquoise
0.0367515	0.00747887	0.7177766	0.5998242	0.7944508	0.9398877	0.00018007	0.00018007	blue
0.8078279	0.5999075	0.9486676	0.0812333	0.9963153	0.283992	0.00875203	0.00875203	grey
0.5888228	0.04835164	0.00333106	0.5339081	0.1751471	0.06477072	0.01050256	0.01050256	turquoise
0.5703005	0.5702464	0.7780766	0.5591298	0.5349801	0.7866236	0.02026647	0.02026647	greenyellow
0.4374489	0.8110665	0.4298834	0.1875466	0.08028098	0.5895484	0.2680327	0.2680327	turquoise
0.711154	0.5256912	0.4429578	0.3961979	0.3219633	0.2951308	0.8187827	0.8187827	blue
0.2802112	0.0986887	0.7163834	0.6832741	0.3798484	0.8664662	0.03314517	0.03314517	grey
0.5358944	0.00700113	0.00542127	0.5344642	0.8605605	0.6282561	1.93E-19	1.93E-19	brown
0.3144541	0.00398179	0.08538355	0.8268099	0.5919574	0.4802826	1.00E-07	1.00E-07	brown
0.7502306	0.00529548	0.1402071	0.0801956	0.4204763	0.7310057	2.88E-09	2.88E-09	brown
0.09769531	0.00144128	0.1545296	0.5446183	0.8146784	0.891573	0.2502498	0.2502498	greenyellow
0.959698	0.3438037	0.0947185	0.0162095	0.2256277	0.04531509	0.00339814	0.00339814	turquoise
0.7502189	0.4716469	0.4639249	0.4135666	0.3289609	0.6655003	0.3476058	0.3476058	white
0.2565236	0.00942987	0.1479485	0.7516962	0.7912347	0.5186875	8.35E-09	8.35E-09	brown
0.5521421	0.9156402	0.03955223	0.0619733	0.3148517	0.4441373	0.05896686	0.05896686	grey
0.4106326	0.3955376	0.9534551	0.3118092	0.2851128	0.7026474	0.01931417	0.01931417	grey
0.6662366	0.9291342	0.01307849	0.2893461	0.8171162	0.4256411	0.02316918	0.02316918	turquoise
0.2093457	0.3718724	0.2964144	0.1567422	0.268594	0.04726952	0.00252768	0.00252768	blue
0.1498862	0.3034819	0.3346421	0.73853	0.4541778	0.7548257	0.06542219	0.06542219	grey
0.01275768	0.08818779	0.997648	0.232001	0.6464898	0.3116767	3.83E-06	3.83E-06	brown
0.6414349	0.9276213	0.0351844	0.0613745	0.3940638	0.1989538	0.00834905	0.00834905	grey
0.2228668	0.5152861	0.6811385	0.5699213	0.9676748	0.5095112	0.1476112	0.1476112	darkorange
0.6024822	0.03257268	0.7299765	0.7875026	0.2936336	0.6990609	0.4418619	0.4418619	grey
0.7910715	0.1704076	0.3279542	0.1556428	0.9834416	0.66957	2.80E-09	2.80E-09	blue
0.190911	0.6476409	0.00146433	0.3266173	0.3803155	0.6721452	0.00016523	0.00016523	turquoise
0.2128323	0.5367363	0.1237492	0.515484	0.4141959	0.9773274	0.01305077	0.01305077	turquoise
0.6268379	0.00511829	0.7558981	0.5278695	0.3016148	0.7001949	0.00123401	0.00123401	blue
0.8014334	0.876006	0.9366984	0.7228179	0.3074271	0.1719337	0.4612759	0.4612759	turquoise
0.1279838	0.714847	0.806605	0.0214818	0.7532476	0.1036164	0.08227806	0.08227806	grey
0.7414932	0.2677064	0.7380734	0.5549161	0.5063771	0.9088773	0.02316101	0.02316101	blue
0.1301449	0.623916	0.00598267	0.1515682	0.9304651	0.06528501	0.8802591	0.8802591	turquoise
0.1202673	0.06035322	0.1929061	0.9438237	0.4879307	0.7440424	0.00014062	0.00014062	turquoise
0.1450722	0.9379116	0.0003262	0.9957667	0.213313	0.2074176	0.932038	0.932038	turquoise
0.06795652	0.7173154	0.1658726	0.7335656	0.7078748	0.9367245	0.909949	0.909949	blue
0.6688786	0.4488086	0.06997006	0.1228026	0.6172683	0.8914961	4.30E-22	4.30E-22	lightyellow
0.216029	0.1842582	0.4017608	0.9761707	0.4028365	0.7859015	0.3877909	0.3877909	grey
0.2432405	0.6136509	0.06812149	0.0763844	0.4781836	0.1550864	0.1891967	0.1891967	grey
0.4806538	0.06479097	0.08603579	0.697891	0.7343701	0.3874506	3.56E-19	3.56E-19	brown
0.4802303	0.835314	0.01055239	0.4557678	0.9267938	0.1963425	0.6937775	0.6937775	green
0.1702748	0.3774744	0.1147699	0.3976547	0.3987824	0.6942757	0.3169678	0.3169678	grey
0.2524069	0.2920941	0.00086625	0.3427939	0.4073481	0.6236445	0.00668299	0.00668299	turquoise
0.7155984	0.05615521	0.0659758	0.6519298	0.3784966	0.3407515	0.00027495	0.00027495	blue
0.9526888	0.6272351	0.02073815	0.6581306	0.8243075	0.5730733	0.6017026	0.6017026	turquoise
0.9795605	0.6996315	0.3930898	0.0855391	0.8732165	0.1320183	0.8495225	0.8495225	grey
0.1566038	0.3646944	0.01873576	0.2745325	0.8119853	0.1028309	0.04470666	0.04470666	turquoise
0.07166221	0.570966	0.01767952	0.4825422	0.5302429	0.03956224	0.7586438	0.7586438	turquoise
0.7744645	0.2403791	0.3762172	0.1397508	0.2516127	0.7912118	0.00730115	0.00730115	grey
0.4030189	0.9694628	0.8933533	0.6535245	0.5853681	0.4592555	0.9106233	0.9106233	grey
0.2157478	0.4306959	0.00046651	0.0351535	0.9583797	0.00179947	0.02526097	0.02526097	turquoise
0.6344271	0.2504568	0.2431135	0.7138133	0.6258761	0.2440603	0.00019468	0.00019468	blue
0.11505	0.09973017	0.7964992	0.0783022	0.7344617	0.7946963	0.00017946	0.00017946	grey
0.8548897	0.2307772	0.06341725	0.6712549	0.9456261	0.8524595	0.2041607	0.2041607	grey
0.3155429	0.02412977	0.2112756	0.0178113	0.5799813	0.05397306	0.2941629	0.2941629	darkgreen
0.4748763	0.1538596	0.1851218	0.4081775	0.890089	0.6298318	0.00083506	0.00083506	blue

0.770008	0.8230364	0.1733149	0.1189484	0.8548412	0.8844303	0.2214027	0.2214027	grey
0.23138	0.6121336	0.8374071	0.1703106	0.7984981	0.5328606	1.90E-06	1.90E-06	grey
0.8971421	0.03588997	0.3341488	0.6029865	0.9512657	0.1986837	7.32E-26	7.32E-26	brown
0.5163655	0.5328147	0.570711	0.1439871	0.956943	0.7523421	0.2676523	0.2676523	grey
0.2844349	0.02482106	0.3710423	0.0276282	0.8370725	0.7983514	0.2794655	0.2794655	blue
0.8341353	0.2627243	0.4356823	0.1369224	0.06659123	0.1232333	0.4102824	0.4102824	grey
0.8049992	0.3009562	0.6230227	0.2477221	0.7068942	0.2391355	0.6307317	0.6307317	turquoise
0.9448108	0.7353875	0.01278893	0.7050773	0.8398622	0.5643969	0.5846235	0.5846235	turquoise
0.6340885	0.5444471	0.612178	0.739972	0.7605925	0.5596776	0.0044857	0.0044857	darkgrey
0.3659812	0.01792178	0.07315219	0.8450713	0.8439595	0.4033426	0.02925691	0.02925691	blue
0.1054581	0.1642843	0.8546867	0.8910358	0.710029	0.4107997	1.06E-05	1.06E-05	blue
0.9394303	0.1008457	0.571984	0.3440267	0.6833842	0.8177283	0.9560283	0.9560283	grey60
0.2935302	0.1046127	0.2485816	0.1122049	0.1949453	0.774857	2.55E-12	2.55E-12	yellow
0.9197741	0.9384423	0.4917862	0.740703	0.6816593	0.4045641	0.7685085	0.7685085	red
7.86E-09	0.1088403	0.5273915	0.1659639	0.9202685	0.2137077	0.2077125	0.2077125	turquoise
0.3811796	0.5415922	0.05653661	0.148017	0.9358983	0.1414928	0.4940497	0.4940497	turquoise
0.3572781	0.12079	0.8492447	0.5633975	0.9029396	0.2008437	0.00013336	0.00013336	blue
0.0852675	0.1530224	0.2114994	0.2280821	0.4355139	0.742806	0.00786444	0.00786444	blue
0.02701388	0.4180697	0.5463598	0.9292749	0.643362	0.06028401	0.5179751	0.5179751	grey
0.4417281	0.8356601	0.0059379	0.0789055	0.5698087	0.5359825	3.16E-07	3.16E-07	brown
0.3477388	0.6517001	0.4005919	0.6502688	0.4738605	0.4626982	0.00024619	0.00024619	grey
0.9361418	0.1918743	0.0139993	0.5422617	0.6520361	0.2673662	1.10E-08	1.10E-08	brown
0.2576878	0.8374224	0.5543766	0.5990747	0.439016	0.3984873	1.04E-05	1.04E-05	blue
0.07384789	0.7271257	0.9217265	0.1656294	0.1146377	0.8197354	0.9683335	0.9683335	black
0.1026147	0.3906739	0.2963466	0.3551597	0.02188096	0.03100167	0.1192518	0.1192518	turquoise
0.5148741	0.4039776	0.01333552	0.041396	0.1633827	0.0279363	0.00348133	0.00348133	blue
0.3465335	0.00555441	0.08746892	0.8272339	0.5028149	0.8123011	2.23E-08	2.23E-08	brown
0.949367	0.9880654	0.03292169	0.2820123	0.3745048	0.7009105	0.2455801	0.2455801	pink
0.9454515	0.06026587	0.8496842	0.1173059	0.9773471	0.7774543	0.04957797	0.04957797	blue
0.5679242	0.873889	0.00013223	0.0500833	0.8084714	0.06659864	0.921921	0.921921	turquoise
0.6972011	0.02684802	0.3254739	0.3521612	0.9565965	0.5857055	0.5917369	0.5917369	blue
0.8817347	0.2445553	0.3241101	0.7081037	0.9893467	0.2225022	9.26E-29	9.26E-29	yellow
0.1458271	0.6727528	0.4241673	0.6319581	0.3889581	0.7817668	0.1342296	0.1342296	turquoise
0.3543537	0.2202556	0.01852172	0.394444	0.4657328	0.1846872	3.45E-06	3.45E-06	yellow
0.01449195	0.2351693	0.4277533	0.7040172	0.01652245	0.4324769	0.00056139	0.00056139	grey
0.7337522	0.1542027	0.2803302	0.729736	0.8627738	0.2456266	0.01165052	0.01165052	grey
0.2087949	0.3522084	0.2104698	0.815531	0.6447774	0.9976487	0.03786393	0.03786393	blue
0.3052215	0.961019	0.972902	0.2414975	0.07971538	0.2859443	0.2117568	0.2117568	turquoise
0.7230232	0.3951605	0.6731165	0.0927987	0.06750688	0.8066951	0.00010089	0.00010089	blue
0.9390121	0.278438	0.1034959	0.0100528	0.1124827	0.07832574	0.4196985	0.4196985	turquoise
0.8951929	0.5431793	0.2002918	0.5216143	0.6890205	0.645371	0.00470672	0.00470672	grey
0.7704698	0.01385606	0.7018216	0.8907256	0.4135937	0.2696773	1.35E-07	1.35E-07	green
0.06551387	0.5988749	0.6952706	0.7871809	0.981821	0.4490556	0.4939357	0.4939357	turquoise
0.8272018	0.1384508	0.00273329	0.1637985	0.7587333	0.09835749	0.1038449	0.1038449	turquoise
0.9419673	0.1223791	0.09918364	0.7627542	0.945701	0.8510358	1.58E-05	1.58E-05	blue
0.521581	0.00538039	0.08607346	0.7942063	0.6784845	0.4478613	0.01530644	0.01530644	turquoise
0.5353428	0.4754747	0.1601862	0.7850545	0.5275074	0.4748065	0.09116029	0.09116029	grey
0.8450517	0.6909742	0.214568	0.6722841	0.8989939	0.2067351	0.6043931	0.6043931	turquoise
0.2597786	0.444101	0.8533752	0.869647	0.2843033	0.2100828	1.13E-07	1.13E-07	blue
0.2625259	0.01483586	0.7204783	0.9150949	0.7742423	0.8743246	0.00713408	0.00713408	grey
0.9589653	0.331477	0.07030346	0.9221161	0.9049341	0.8618128	0.6543048	0.6543048	turquoise
0.1677514	0.1729066	0.5000994	0.938287	0.9837982	0.7020931	3.55E-06	3.55E-06	blue
0.7148206	0.01894528	0.4913382	0.6827127	0.09815231	0.58759	0.04702899	0.04702899	grey
0.00488099	0.1753373	0.9304367	0.4581413	0.692229	0.8002717	0.00586105	0.00586105	blue
0.6419533	0.07404326	0.2400573	0.693264	0.7809205	0.7621896	0.605699	0.605699	black
0.7249013	0.2627997	0.2425798	0.3407205	0.9557218	0.02868554	4.40E-07	4.40E-07	turquoise
0.2282339	0.5042498	0.05330277	0.0979923	0.803404	0.05203735	0.03343496	0.03343496	turquoise
0.7350003	0.00630556	0.00715275	0.063475	0.7896918	0.4550188	6.95E-31	6.95E-31	yellow
0.05303406	0.1587966	0.3184384	0.9299534	0.1198194	0.7496536	1.11E-07	1.11E-07	grey
0.1352191	0.00838673	0.01725852	0.1988168	0.9772248	0.1273968	2.69E-06	2.69E-06	blue
0.05157166	0.01203318	0.00831428	0.7418236	0.2009504	0.1945112	1.00E-04	1.00E-04	blue

0.7843818	0.7986088	0.8685436	0.3525041	0.8769288	0.4970061	0.07024153	0.07024153	black
0.02753868	0.7583489	0.03684603	0.0252703	0.7995017	0.04586273	0.5554927	0.5554927	turquoise
0.6132178	0.3057924	0.8977858	0.937861	0.8016084	0.4867673	0.00821631	0.00821631	blue
0.1149887	0.07476581	0.2301115	0.5775474	0.4757062	0.3430515	0.01080444	0.01080444	turquoise
0.3641658	0.2097353	0.3391483	0.7995717	0.9220489	0.7254736	4.03E-24	4.03E-24	yellow
0.4174247	0.03883639	0.9590235	0.8242063	0.5541334	0.7164007	0.5143213	0.5143213	greenyellow
0.5858059	0.4351435	0.00023005	0.0440297	0.993168	0.01307221	0.1322349	0.1322349	turquoise
0.2180504	0.5348768	0.6908246	0.2159465	0.5886291	0.8960861	0.9612881	0.9612881	turquoise
0.6779847	0.9981751	0.00961062	0.0949263	0.8698702	0.01239132	0.5508593	0.5508593	turquoise
0.01821475	0.02585394	0.1356172	0.1366726	0.663311	0.2136325	0.0015046	0.0015046	grey
0.8578955	0.3219567	0.2663689	0.3027098	1.17E-05	0.03486779	0.02868711	0.02868711	grey
0.2130957	0.05542036	0.7877903	0.8200007	0.9023629	0.9612792	0.4513091	0.4513091	greenyellow
0.1891291	0.4022049	0.5948064	0.5409214	0.8108964	0.2384859	0.01406291	0.01406291	grey
0.8541792	0.06042031	0.02217158	0.4642165	0.4023124	0.22542	0.04017012	0.04017012	grey
0.9161536	0.9569196	0.01111338	0.0510982	0.3041448	0.02200874	2.11E-05	2.11E-05	green
0.6468724	0.00415275	0.5579801	0.9392391	0.9681322	0.9386535	0.00012141	0.00012141	yellow
0.3992669	0.6084756	0.7338495	0.7033336	0.7633211	0.6162162	0.07819219	0.07819219	grey
0.2948196	0.1282828	0.9231653	0.8600196	0.9035163	0.8108604	0.00236219	0.00236219	grey
0.3123982	0.8081881	0.00523935	0.4200629	0.4610747	0.02423157	0.1292361	0.1292361	turquoise
0.334791	0.3368105	0.06364818	0.4292887	0.2409091	0.1688051	1.59E-06	1.59E-06	grey
0.5149358	0.04063317	0.0100553	0.183883	0.7209069	0.05929713	4.43E-05	4.43E-05	blue
0.9374503	0.07868904	0.03427408	0.6338222	0.6058531	0.4175542	9.22E-05	9.22E-05	blue
0.8112764	0.1986361	0.4908417	0.2880264	0.7618102	0.1901798	0.00730104	0.00730104	purple
0.9589569	0.5896501	0.9063056	0.32534	0.4790863	0.2760372	0.00172239	0.00172239	turquoise
0.8168652	0.2337886	0.00051753	0.0322124	0.6010192	0.00443858	1.62E-05	1.62E-05	turquoise
0.5524832	0.8392529	0.00061651	0.1075358	0.6248137	0.1209392	0.02378972	0.02378972	pink
0.9545877	0.7669064	0.3070257	0.1052381	0.5067344	0.7600887	0.9780024	0.9780024	blue
0.2637601	0.8093892	0.4479943	0.4816498	0.8938526	0.4874945	0.1142828	0.1142828	turquoise
0.1513807	0.1986355	0.1633673	0.281391	0.9769247	0.159705	0.0005246	0.0005246	blue
0.3159372	0.5115836	0.8778453	0.1568044	0.5955586	0.3458365	0.3499276	0.3499276	cyan
0.7918778	0.6107041	0.00186007	0.0242111	0.889418	0.00951648	0.6982931	0.6982931	turquoise
0.6418479	0.6330089	0.9038476	0.4959875	0.7037663	0.3673731	0.01511866	0.01511866	turquoise
0.3869319	0.04406174	0.2478191	0.8991466	0.3965127	0.6294847	8.44E-07	8.44E-07	blue
0.4673757	0.2016336	0.1470045	0.0919337	0.6256628	0.2057046	0.476845	0.476845	grey
0.1144886	0.5981089	0.019314	0.1883347	0.3435236	0.05018543	8.22E-05	8.22E-05	green
0.6973298	0.9222009	0.1799524	0.2240704	0.2489414	0.3198593	0.00068161	0.00068161	blue
0.8541209	0.01224034	0.9697463	0.2285009	0.338755	0.7782756	0.1284497	0.1284497	grey
0.6840336	0.03521439	0.5653429	0.0708145	0.3765972	0.9001056	2.22E-08	2.22E-08	brown
0.8865872	0.00535741	0.00119223	0.2210106	0.7917219	0.7820511	1.32E-20	1.32E-20	brown
0.08255549	0.8604306	0.1851365	0.5518409	0.5601795	0.1901876	0.6498085	0.6498085	grey
0.6603828	0.01206656	0.7243466	0.958727	0.374861	0.5830158	0.0678857	0.0678857	green
0.2991463	0.1256836	0.2258181	0.1665566	0.674949	0.4014174	0.06317188	0.06317188	green
0.9128984	0.7144318	0.5585641	0.96576	0.6480953	0.3005367	0.02013742	0.02013742	grey
0.4372365	0.5013834	0.6112471	0.2963752	0.2722776	0.6565163	0.3049224	0.3049224	grey
0.5705624	0.4026721	0.03377943	0.4967738	0.7543909	0.2007633	0.0022551	0.0022551	grey
0.02067861	0.1355297	0.749387	0.1713802	0.1920517	0.836987	0.4380494	0.4380494	blue
0.4452182	0.9855679	0.007734	0.863777	0.566579	0.2909997	0.1439775	0.1439775	turquoise
0.5120283	0.2976133	0.6823692	0.2021946	0.5917509	0.7710416	0.00622517	0.00622517	blue
0.793693	0.1017288	0.492264	0.0701997	0.9607676	0.9527127	3.03E-05	3.03E-05	grey
0.6865644	0.06677201	0.4461074	0.5129605	0.5777627	0.3909273	4.24E-07	4.24E-07	brown
0.5914118	0.3314149	0.5190768	0.1855662	0.235764	0.3355508	0.2883281	0.2883281	grey
0.4931666	0.7671328	0.2984859	0.0261488	0.7136161	0.1616741	0.1643483	0.1643483	turquoise
0.7182209	0.1029265	0.6910742	0.7057468	0.8864046	0.4803043	1.12E-06	1.12E-06	blue
0.3210464	0.1904235	0.02400503	0.3215114	0.5893348	0.3198292	0.00054795	0.00054795	green
0.02822987	0.3091506	0.9736663	0.5527344	0.00900692	0.5295166	3.15E-06	3.15E-06	turquoise
0.7095543	0.3381845	0.2639544	0.6740798	0.504977	0.1296936	0.7161202	0.7161202	blue
0.3919558	0.1035797	0.1842981	0.8674044	0.4237013	0.1686887	4.60E-07	4.60E-07	blue
0.6936328	0.9357056	0.1618219	0.4205524	0.1097934	0.4452149	0.5737606	0.5737606	turquoise
0.3034644	0.231284	0.1673335	0.9182832	0.7855204	0.6391915	0.00082717	0.00082717	turquoise
0.0369506	0.1632515	0.9990484	0.8292465	0.5749664	0.3869066	0.8208681	0.8208681	grey
0.6303664	0.4366189	0.1338414	0.0129299	0.2433757	0.1887452	0.0380291	0.0380291	grey

0.752749	0.00704859	0.1266247	0.260402	0.08750412	0.3932778	0.2228102	0.2228102	grey
0.03324939	0.04492259	0.1456673	0.7588252	0.7540059	0.447666	0.00493573	0.00493573	turquoise
0.5193793	0.05283755	0.00884443	0.5430351	0.647737	0.8923933	0.4621398	0.4621398	turquoise
0.1042926	0.6498715	0.02715225	0.4177554	0.5733515	0.5743473	5.81E-09	5.81E-09	yellow
0.8224649	0.329253	0.3918344	0.8814535	0.4999931	0.04363722	0.00055921	0.00055921	turquoise
0.1500108	0.2395189	0.8553671	0.8737998	0.3325072	0.397925	0.01192973	0.01192973	purple
0.5062509	0.3422513	0.02082904	0.0481177	0.5838493	0.08699096	0.8178766	0.8178766	turquoise
0.4676383	0.6300129	0.03766193	0.1303348	0.9351494	0.1510341	0.8294646	0.8294646	grey
0.7990136	0.1451943	0.06338187	0.0686186	0.9259205	0.6856385	0.04510353	0.04510353	turquoise
0.1800114	0.1162872	0.2606608	0.2608015	0.9917127	0.0925019	0.3253695	0.3253695	lightcyan
0.8482297	0.02857513	0.00314542	0.4056139	0.3458943	0.3591355	1.10E-21	1.10E-21	yellow
0.4125702	0.9406002	0.05168643	0.8137928	0.4088366	0.9052946	0.9594212	0.9594212	turquoise
0.763003	0.0111482	0.007961	0.3764041	0.5131283	0.554105	1.19E-16	1.19E-16	yellow
0.9298158	0.7614849	0.00112436	0.0342533	0.6054095	0.4106751	0.7939402	0.7939402	green
0.5135968	0.2028852	0.2639534	0.271091	0.6884375	0.7349979	0.8264073	0.8264073	grey
0.6421121	0.6149063	0.2034756	0.5475114	0.1872644	0.7154685	0.3798294	0.3798294	blue
0.6103819	0.08539122	0.0253013	0.2376121	0.6636084	0.4979586	0.00023283	0.00023283	brown
0.1847502	0.06390303	0.00463736	0.2372979	0.9709273	0.3113272	0.04294882	0.04294882	turquoise
0.5983279	0.271612	0.00422844	0.1553513	0.840993	0.08585045	0.0008413	0.0008413	turquoise
0.8458457	0.7776546	0.02030553	0.0695835	0.7020723	0.1991736	0.5341303	0.5341303	turquoise
0.3834254	0.9390945	0.2500594	0.348379	0.00073094	0.2307484	0.774867	0.774867	turquoise
0.00700275	0.8706569	0.1299538	0.3164434	0.1749026	0.3160694	0.0845277	0.0845277	blue
0.7606556	0.682331	0.7106563	0.1428219	0.3702962	0.3496295	0.00024072	0.00024072	grey
0.9539568	0.2366997	0.00052986	0.0989692	0.5874293	0.03731876	0.6086674	0.6086674	turquoise
0.4308372	0.1054954	0.8311428	0.1586025	0.8640228	0.375897	0.00011971	0.00011971	salmon
0.5420699	0.04659054	0.7594462	0.7734185	0.3592893	0.6546656	0.04135746	0.04135746	grey
0.2053516	0.5850359	0.1455822	0.1448242	0.7050403	0.8383056	0.9811528	0.9811528	grey
0.7994087	0.3465498	0.00029786	0.0151939	0.2050919	0.05806603	0.0001539	0.0001539	green
0.5252399	0.7914583	0.131283	0.4048476	0.9838987	0.2601389	0.2912051	0.2912051	turquoise
0.7989088	0.2929715	0.00228775	0.058015	0.6166913	0.1442571	0.4125302	0.4125302	turquoise
0.6686299	0.1894182	0.1405873	0.2195381	0.6978813	0.05589213	0.9315587	0.9315587	turquoise
0.0617258	0.5774158	0.285063	0.5588272	0.8452329	0.8127789	5.18E-15	5.18E-15	yellow
0.2409844	0.02025144	0.7029689	0.1403397	0.8806855	0.2245494	6.74E-05	6.74E-05	brown
0.6183463	0.8971826	0.01121768	0.0273208	0.5360142	0.02315734	0.6068714	0.6068714	lightyellow
0.02183599	0.9358374	0.369724	0.6434508	0.4849244	0.5767036	0.5137954	0.5137954	salmon
0.1862163	0.9667085	0.1185072	0.4293456	0.952168	0.2429189	0.6636097	0.6636097	turquoise
0.4164045	0.753367	0.01979119	0.4163535	0.8490249	0.4268207	0.5755919	0.5755919	turquoise
0.6255635	0.08922684	0.00056919	0.1090894	0.5190591	0.07536603	2.51E-09	2.51E-09	brown
0.1931542	0.00097312	0.1194062	0.5531342	0.8444501	0.957429	2.69E-13	2.69E-13	brown
0.2238614	0.1885032	0.625582	0.2927267	0.5753806	0.1035344	0.2160313	0.2160313	grey
0.4277558	0.3181702	0.8977739	0.6654805	0.4764557	0.2511219	0.2552263	0.2552263	cyan
0.7721967	0.6105245	0.00427016	0.3061829	0.854371	0.5585088	0.06206874	0.06206874	turquoise
0.7296132	0.191988	0.00274526	0.9369828	0.9222063	0.8040309	1.43E-14	1.43E-14	brown
0.6278797	0.8956678	0.1399574	0.5337679	0.5756239	0.4930879	0.312482	0.312482	blue
0.8048582	0.2764658	0.3399284	0.4195811	0.8722237	0.7886272	0.0001324	0.0001324	turquoise
0.9464307	0.620564	0.6357825	0.2494916	0.01121255	0.2688563	0.00841497	0.00841497	lightgreen
0.8752931	0.3605445	0.4241881	0.9409251	0.9062677	0.6708742	0.00028828	0.00028828	lightgreen
0.5999756	0.294695	0.7250291	0.6543188	0.1435815	0.2179655	0.7146024	0.7146024	turquoise
0.6284212	0.3363391	0.00522063	0.1196344	0.01125021	0.08106134	0.00260574	0.00260574	brown
0.6335906	0.09483094	0.08524321	0.1852528	0.3231683	0.7460647	0.0126362	0.0126362	blue
0.122883	0.5269635	0.2978269	0.7949367	0.7988324	0.2662045	3.07E-05	3.07E-05	grey
0.1372578	0.5993868	0.2944427	0.2883906	0.08249958	0.2809367	0.3917928	0.3917928	grey
0.7531916	0.1918829	0.2251393	0.0362497	0.9027169	0.9820542	0.00074212	0.00074212	blue
0.05145693	0.8663002	0.4257287	0.4829652	0.4577056	0.6359008	0.01230232	0.01230232	turquoise
0.1564904	0.06457938	0.8715387	0.9196008	0.5217553	0.3854166	2.13E-09	2.13E-09	blue
0.08295262	0.1824509	0.00112377	0.0525628	0.810906	0.016094	0.7731713	0.7731713	turquoise
0.7370148	0.00314663	0.9721864	0.6257179	0.602683	0.6726393	2.74E-06	2.74E-06	brown
0.1025101	0.1668602	0.788781	0.0494458	0.7385525	0.8074165	0.04405977	0.04405977	grey
0.7774112	0.3892619	0.315868	0.680651	0.3809836	0.3642286	0.1379215	0.1379215	turquoise
0.3388548	0.2200332	0.1010195	0.7529462	0.518052	0.5161444	4.72E-11	4.72E-11	brown
0.6011488	0.2743888	0.01181929	0.9973316	0.9226736	0.8445807	2.09E-05	2.09E-05	grey

0.3205063	0.2252259	0.4522326	0.1958091	0.453299	0.7736468	0.00154344	0.00154344	blue
0.4249379	0.0147335	0.1083039	0.8161222	0.3739704	0.7767133	0.00030161	0.00030161	brown
0.112509	0.2830619	0.2316475	0.2351807	0.1468509	0.4357917	0.03390093	0.03390093	turquoise
0.1263227	0.00921063	0.3153659	0.8144768	0.9539602	0.4869325	1.66E-05	1.66E-05	blue
0.5606709	0.2719003	0.7533845	0.855764	0.7367511	0.8192746	0.7572538	0.7572538	turquoise
0.2892294	0.07311957	0.7402713	0.2252483	0.7190897	0.04396771	0.02251593	0.02251593	grey
0.08065425	0.5868633	0.4685464	0.074978	0.7870454	0.2985153	0.1242585	0.1242585	lightyellow
0.3251183	0.4631611	0.04982531	0.8776304	0.9495738	0.66772	0.8430213	0.8430213	pink
0.6036823	0.2475476	0.2466672	0.6326103	0.694699	0.1931718	0.00104766	0.00104766	turquoise
0.811423	0.2450897	0.6376118	0.4822401	0.7643393	0.5915716	3.50E-08	3.50E-08	purple
0.3946286	0.82081	0.9202338	0.8873866	0.834161	0.7941902	0.05240102	0.05240102	grey
0.3638853	0.4377412	0.00482168	0.4379227	0.9573524	0.5180878	0.02226776	0.02226776	turquoise
0.8728453	0.1317102	0.4735195	0.2464368	0.6346916	0.9178086	0.07501997	0.07501997	grey
0.4454747	0.1574356	0.1049367	0.1545492	0.3150003	0.7974216	0.01616317	0.01616317	green
0.03485327	0.2296905	0.01330152	0.0549068	0.5223437	0.00711411	0.2732151	0.2732151	turquoise
0.4991899	0.00433908	0.1838982	0.4176445	0.2948351	0.0739265	0.8410196	0.8410196	grey
0.8804404	0.2615101	0.7036038	0.0827565	0.5532072	0.4504547	0.0718789	0.0718789	grey
0.3848926	0.07873232	0.2718955	0.9796592	0.01778842	0.8203658	0.00116433	0.00116433	green
0.3596564	0.1055647	0.4355229	0.3678377	0.4873006	0.1507473	2.58E-05	2.58E-05	grey
0.6851268	0.6606399	0.4479494	0.8917675	0.2863154	0.2260438	0.9029163	0.9029163	grey
0.1671384	0.7525875	0.9726246	0.0389676	0.9535622	0.8143003	0.2951874	0.2951874	blue
0.9986791	0.7947865	0.02972253	0.2938191	0.6805178	0.07545292	0.05364086	0.05364086	turquoise
0.3375885	0.01094901	0.2084821	0.0282051	0.2799156	0.1163761	0.2489551	0.2489551	grey
0.5878335	0.2026452	0.1376825	0.1764383	0.7923782	0.1248973	2.03E-07	2.03E-07	grey
0.1069156	0.00181417	0.9525242	0.1962571	0.07549907	0.8637878	0.07031078	0.07031078	blue
0.7130163	0.2349945	0.1929618	0.190788	0.7755723	0.2969812	0.00017828	0.00017828	blue
0.00244129	0.0927061	0.7029447	0.144863	0.6992652	0.536352	8.39E-05	8.39E-05	turquoise
0.6267025	0.9729305	0.00746115	0.4057655	0.4146631	0.1001592	2.20E-06	2.20E-06	green
0.6050028	0.9186922	0.231208	0.8649645	0.7567681	0.9762128	0.0112923	0.0112923	turquoise
0.2643842	0.02247894	0.3664105	0.0897655	0.9106643	0.2087895	0.6160339	0.6160339	black
0.1258512	0.9584325	0.00262788	0.278102	0.5722313	0.2527592	0.09304433	0.09304433	grey
0.3852208	0.1111457	0.2093279	0.0889575	0.02342088	0.03078246	0.106077	0.106077	grey
0.7159936	0.0913617	0.6254379	0.0604991	0.5805356	0.3383589	0.07253476	0.07253476	darkturquoise
0.6055412	0.38434	0.4354749	0.6150865	0.6450492	0.1846713	0.1942093	0.1942093	blue
0.523678	0.3945112	0.05638234	0.3450007	0.3830775	0.05389285	2.06E-05	2.06E-05	turquoise
0.1689439	0.8274608	0.00554613	0.1794306	0.3523373	0.1772481	0.9373036	0.9373036	turquoise
0.6795746	0.2339823	0.6011772	0.406666	0.6061885	0.9392499	0.9804909	0.9804909	grey
0.7736011	0.3113894	0.1488256	0.955609	0.5765525	0.6579007	2.28E-06	2.28E-06	brown
0.5368148	0.2134149	0.0004758	0.0387406	0.3977826	0.2998711	4.40E-06	4.40E-06	green
0.3953711	0.9810721	0.8042189	0.1820961	0.9542185	0.1003902	0.8520181	0.8520181	grey
0.4436648	0.2126248	0.9730149	0.6454778	0.972401	0.5333739	0.8268322	0.8268322	turquoise
0.5093673	0.3763599	0.1924087	0.1294797	0.8221132	0.5286007	0.2478343	0.2478343	blue
0.6468454	0.03946615	0.5662349	0.1707379	0.3335972	0.9771538	0.01491735	0.01491735	blue
0.5585807	0.0976848	0.0711529	0.6225408	0.3645753	0.3656849	0.1464838	0.1464838	turquoise
0.656643	0.8836886	0.5989545	0.3766309	0.00372838	0.6487072	0.05432308	0.05432308	grey
0.9588619	0.00302794	0.155208	0.0330128	0.2656954	0.3278803	0.5374691	0.5374691	grey
0.6319401	0.06932512	0.05181342	0.209077	0.7888534	0.03209279	7.41E-05	7.41E-05	darkgrey
0.3363483	0.4798518	0.6813416	0.0339596	0.8163147	0.1005026	4.82E-06	4.82E-06	grey
0.9820917	0.3081363	0.3400015	0.4102341	0.9552487	0.2601921	0.00033727	0.00033727	blue
0.5636963	0.3698616	0.2119523	0.1457993	0.6609524	0.5711249	0.00024745	0.00024745	grey
0.8468394	0.6242096	0.9762308	0.0241464	0.00560543	0.4203982	0.5425608	0.5425608	grey
0.2209754	0.07774744	0.5641455	0.6467187	0.850648	0.9835405	0.00020274	0.00020274	purple
0.213924	0.0962421	0.6605785	0.7630801	0.7682968	0.5377219	0.4078266	0.4078266	grey
0.7883343	0.6860787	0.04098648	0.9849897	0.6484921	0.1984122	6.91E-06	6.91E-06	grey
0.5734021	0.8326566	0.00140509	0.2282525	0.4999568	0.02571082	0.00103699	0.00103699	green
0.09801394	0.4451976	0.8582145	0.682718	0.3046521	0.8729673	0.02661953	0.02661953	turquoise
0.06244574	0.4386357	0.2733447	0.7707644	0.6202849	0.4576832	0.00010303	0.00010303	grey
0.3407599	0.1459008	0.0553893	0.2766163	0.8635968	0.4449364	0.06928071	0.06928071	grey
0.3634887	0.9211502	0.3639336	0.7312138	0.7360904	0.2786397	0.8633428	0.8633428	grey
0.4639697	0.8164241	0.06259361	0.4853174	0.5212992	0.3260549	0.6682886	0.6682886	turquoise
0.1669637	0.1457394	0.8941704	0.3495544	0.9538296	0.7411783	0.05892292	0.05892292	grey

0.2165414	0.7955271	7.01E-05	0.2249202	0.4649382	0.04974543	0.01033808	0.01033808	tan
0.8265756	0.1345172	0.643496	0.888814	0.2348974	0.1582231	3.13E-06	3.13E-06	yellow
0.9743927	0.4317836	0.642919	0.967985	0.7569715	0.3346411	3.24E-10	3.24E-10	lightyellow
0.412917	0.7105053	0.1434881	0.6251309	0.4843513	0.3972471	0.02181195	0.02181195	turquoise
0.4209688	0.8201785	0.3615291	0.7149938	0.8972937	0.7168136	0.1935248	0.1935248	grey
0.8096184	0.9904209	0.01505102	0.692932	0.6340985	0.3582171	0.00039187	0.00039187	grey
0.4697767	0.00306057	0.8434084	0.9456385	0.6752622	0.808013	0.2961796	0.2961796	greenyellow
0.461125	0.3476597	0.1297607	0.3685645	0.6739847	0.3141231	0.8754969	0.8754969	salmon
0.2198812	0.4121615	0.594358	0.7840562	0.9997302	0.6274982	0.00027564	0.00027564	salmon
0.0612941	0.00556473	0.4931786	0.7672865	0.3076997	0.9394504	2.87E-06	2.87E-06	blue
0.02711568	0.7502247	0.8020826	0.9432943	0.5706321	0.5668646	0.9803034	0.9803034	grey
0.6294038	0.01098182	0.4254489	0.5229916	0.6940844	0.624753	2.96E-16	2.96E-16	brown
0.5561632	0.3592583	0.02153092	0.6083632	0.8560919	0.03970709	0.00067457	0.00067457	turquoise
0.04499592	0.2046897	0.7202665	0.4440069	0.8447816	0.5862981	0.8041322	0.8041322	grey
0.06440588	0.2410801	0.3622797	0.9700724	0.8549666	0.4181688	0.9329483	0.9329483	grey
0.1719766	0.1204828	0.2069649	0.7330247	0.6792575	0.00692455	0.05147436	0.05147436	grey
0.04951662	0.01971716	0.7079232	0.0726494	0.04279999	0.7512945	1.40E-05	1.40E-05	grey
0.1301495	0.1928526	0.4830745	0.4500179	0.1188228	0.2072988	0.07295896	0.07295896	turquoise
0.6574295	0.7481293	0.1142041	0.854013	0.7178526	0.8926885	4.83E-19	4.83E-19	yellow
0.5756493	0.2380798	0.8011336	0.8469274	0.8875449	0.2597325	0.4930892	0.4930892	grey
0.2525962	0.01889719	0.3768129	0.8784895	0.5479645	0.6791574	0.00010164	0.00010164	turquoise
0.9084334	0.5842066	0.3521818	0.6253834	0.6572709	0.6623073	0.4262881	0.4262881	blue
0.05800922	0.9449707	0.04917972	0.3976007	0.4560981	0.2785268	0.7914193	0.7914193	grey
0.5173782	0.06604979	0.1727627	0.627636	0.6543472	0.2906004	4.44E-05	4.44E-05	turquoise
0.3125752	0.8961278	0.02498615	0.2277341	0.7449112	0.1303517	0.00514718	0.00514718	turquoise
0.3343267	0.9895435	0.3944969	0.2583103	0.7809198	0.5143816	0.3230321	0.3230321	blue
0.7268164	0.6309275	0.5071263	0.3840596	0.3227671	0.2783254	0.4832823	0.4832823	blue
0.1039269	0.7199581	0.725735	0.4050393	0.5980899	0.2431005	2.82E-07	2.82E-07	turquoise
0.03838618	0.8635645	0.2030403	0.42034	0.5396865	0.8007083	0.1146001	0.1146001	midnightblue
0.4564548	0.01131507	0.7733221	0.0732571	0.851769	0.8012518	0.4179272	0.4179272	grey
0.4812533	0.126874	0.3609547	0.620669	0.4264641	0.9427114	0.9970575	0.9970575	salmon
0.0285518	0.6748724	0.9273557	0.4726218	0.8571348	0.4626924	0.6784361	0.6784361	turquoise
0.06464701	0.7383629	0.4474632	0.5657958	0.4988731	0.6242235	0.00859092	0.00859092	grey
0.3758783	0.05746909	0.8241505	0.757804	0.5581774	0.1197443	0.06288943	0.06288943	darkorange
0.2754597	0.7512687	0.1391129	0.870666	0.227085	0.218948	0.4949903	0.4949903	turquoise
0.2918714	0.9289615	0.6317486	0.1593741	0.7643705	0.8903367	0.2327441	0.2327441	grey
0.4102579	0.2634204	0.3708947	0.3102167	0.7359002	0.33731	2.64E-05	2.64E-05	turquoise
0.04212067	0.6327466	0.09948109	0.3950334	0.4817028	0.02198167	0.7632731	0.7632731	turquoise
0.3721456	0.00124348	0.2587135	0.8538755	0.1054407	0.6122057	1.33E-17	1.33E-17	brown
0.8684513	0.09091886	0.3131662	0.7234017	0.4575613	0.07839424	0.09857009	0.09857009	blue
0.6915941	0.00287045	0.4557129	0.3121935	0.8717003	0.1816424	0.220728	0.220728	grey
0.4815051	0.1687252	0.5998536	0.0827965	0.8730527	0.8035591	0.0242231	0.0242231	blue
0.6660853	0.3704726	0.00322666	0.1020702	0.5725113	0.3403562	0.1052105	0.1052105	turquoise
0.8127249	0.06689786	0.8242175	0.5601895	0.6951355	0.931384	0.6230312	0.6230312	blue
0.2894674	0.8127333	0.2596866	0.2854294	0.03356302	0.9901677	0.8069235	0.8069235	grey
0.4955765	0.2169956	0.6878137	0.20307	0.8732334	0.4575733	6.97E-05	6.97E-05	blue
0.9830498	0.9882411	0.05844304	0.643157	0.8486602	0.1736949	0.07285055	0.07285055	turquoise
0.636769	0.07029089	0.3774324	0.2456101	0.8163107	0.3623096	1.49E-10	1.49E-10	yellow
0.395345	0.00066118	0.411191	0.7567817	0.5612191	0.8408104	0.01174251	0.01174251	grey
0.6374905	0.9456202	0.01540976	0.1683212	0.5201695	0.02701606	0.9363593	0.9363593	turquoise
0.8082136	0.08514019	0.01031337	0.0690621	0.1760027	0.03160058	0.02559882	0.02559882	turquoise
0.8114429	0.1256998	0.01037264	0.0409913	0.3355648	0.02003974	0.01545666	0.01545666	turquoise
0.438222	0.6647494	0.00010743	0.1966544	0.7877712	0.08080347	0.1174503	0.1174503	turquoise
0.05431948	0.7394245	0.3097404	0.6225911	0.9558985	0.6928994	0.8194707	0.8194707	turquoise
0.1340397	0.2762669	0.633422	0.1445386	0.5568865	0.8344237	1.31E-06	1.31E-06	turquoise
0.2110431	0.02674882	0.017286	0.9489616	0.728977	0.3043486	2.83E-08	2.83E-08	turquoise
0.9134767	0.7162112	0.3796855	0.4064211	0.3399478	0.2723597	0.0012232	0.0012232	grey
0.7844203	0.373519	0.00058653	0.5330916	0.8523653	0.4577246	7.18E-19	7.18E-19	yellow
0.7020794	0.4751167	0.7160527	0.1546217	0.5417274	0.8341558	0.8977612	0.8977612	black
0.1229872	0.7645356	0.3363024	0.9179232	0.801719	0.3317902	0.1304481	0.1304481	blue
0.1543958	0.6675745	0.7880326	0.6133835	0.1690425	0.8364714	0.7525368	0.7525368	grey

0.08586027	0.7881395	0.4259412	0.0327569	0.4309837	0.96185	0.2875996	0.2875996	grey
0.362178	0.7571741	0.9766318	0.2074924	0.2429683	0.9178522	0.1768514	0.1768514	brown
0.3443111	0.1961462	0.4097247	0.3473987	0.7953392	0.8691429	3.83E-06	3.83E-06	black
0.5173964	0.8274281	0.3677357	0.5971103	0.7258331	0.3194991	0.8577677	0.8577677	grey
0.5506735	0.7802881	0.1005616	0.490042	0.9374053	0.5199267	0.07441098	0.07441098	turquoise
0.4492979	0.1919647	0.00065739	0.0266271	0.7745839	0.5768543	0.00170438	0.00170438	magenta
0.01135847	0.6880491	0.9264449	0.5483203	0.4992875	0.9705822	0.7361972	0.7361972	turquoise
0.3230183	0.6063748	0.492645	0.4535422	0.5641346	0.3996313	0.01721316	0.01721316	grey
0.1474207	0.1108076	0.4629671	0.3848844	0.4744087	0.5302447	0.1185613	0.1185613	green
0.7839	0.5123668	0.325122	0.7237331	0.4962896	0.4579351	0.04408483	0.04408483	turquoise
0.8982966	0.6756468	0.00274873	0.8425722	0.4894191	0.3759866	0.9848588	0.9848588	turquoise
0.5538138	0.6486999	0.00164714	0.2363536	0.5903361	0.207488	0.1205663	0.1205663	pink
0.3434523	0.5145984	0.7775695	0.39278	0.7140305	0.6604979	0.5821523	0.5821523	darkgreen
0.6841916	0.8987948	0.9289642	0.3645359	0.2290213	0.9985201	0.00280609	0.00280609	turquoise
0.9401212	0.3600073	0.9089828	0.447499	0.624753	0.6059341	0.5101107	0.5101107	grey
0.03233039	0.887339	0.3525839	0.4800407	0.8866847	0.1302506	0.4133401	0.4133401	lightyellow
0.6383848	0.4401728	0.3319666	0.8016356	0.2076805	0.3010541	0.5314768	0.5314768	green
0.3738674	0.6884974	0.938707	0.8041069	0.09287472	0.3505514	0.8542846	0.8542846	turquoise
0.9143689	0.3244208	0.784465	0.1600944	0.5415177	0.9785887	0.8581061	0.8581061	grey
0.2472748	0.00059856	0.6582935	0.4082778	0.366298	0.7397364	0.08881625	0.08881625	grey
0.5750287	0.2387421	0.3734788	0.5412912	0.6657162	0.3372936	0.6863688	0.6863688	grey
0.4339043	0.1794665	0.05410609	0.4041944	0.9890256	0.2596844	0.00079144	0.00079144	red
0.7970056	0.00148891	0.7936149	0.6812118	0.9714426	0.7700528	3.01E-08	3.01E-08	grey
0.2214412	0.7785264	0.05705085	0.9751372	0.7668127	0.6756967	1.13E-06	1.13E-06	blue
0.4133909	0.1055263	0.520668	0.5368251	0.4969466	0.4845326	5.33E-05	5.33E-05	blue
0.164099	0.2855853	0.07320346	0.6270126	0.07096728	0.8636333	0.02893562	0.02893562	turquoise
0.04691489	0.6742509	0.6531581	0.5424948	0.1526907	0.5037158	0.08238855	0.08238855	turquoise
0.6914054	0.62822	0.7182754	0.5579611	0.9212027	0.7170099	0.749705	0.749705	royalblue
0.4534714	0.9314512	0.5585241	0.6016726	0.5131984	0.08634773	0.04682583	0.04682583	grey
0.4043403	0.09431144	0.4459275	0.509073	0.7345648	0.6131413	0.00015403	0.00015403	blue
0.3875495	0.08127682	0.5899877	0.8248809	0.877665	0.6613138	0.6336954	0.6336954	turquoise
0.00993601	0.1681071	0.562346	0.1457998	0.714549	0.1988231	0.00031117	0.00031117	turquoise
0.2709058	0.2185892	0.2702391	0.7579121	0.5633872	0.5752282	0.01579741	0.01579741	grey
0.1070362	0.2677641	0.2160517	0.4662236	0.03881635	0.3430445	0.1011593	0.1011593	turquoise
0.2298656	0.01963448	0.6058382	0.8804627	0.3461032	0.576542	0.00190041	0.00190041	grey
0.6302241	0.06591488	0.2119832	0.4976604	0.9822099	0.4742281	0.00379304	0.00379304	grey
0.410118	0.07095889	0.1892979	0.4555812	0.7726325	0.1706418	4.23E-11	4.23E-11	blue
0.3933659	0.9706435	0.0626934	0.1370326	0.8770221	0.0477268	4.34E-06	4.34E-06	grey
0.7378482	0.1212057	0.5085771	0.9336937	0.8774448	0.8577956	8.58E-05	8.58E-05	blue
0.161377	0.02017338	0.985813	0.2865247	0.4706796	0.5201059	0.00158205	0.00158205	grey
0.8283939	0.1546588	0.8242915	0.6656617	0.8073225	0.8222964	0.01120861	0.01120861	blue
0.8816412	0.7180433	0.0006954	0.1228791	0.4928498	0.04173753	0.4529101	0.4529101	turquoise
0.695415	0.7626464	0.219996	0.5145991	0.7197368	0.4503911	0.8596731	0.8596731	turquoise
0.9438638	0.4795445	0.3520317	0.7601075	0.6360265	0.3202962	2.47E-05	2.47E-05	grey
0.8438718	0.5654111	0.1935268	0.7351476	0.2771298	0.7667375	2.44E-06	2.44E-06	grey
0.7072442	0.789753	0.07129796	0.7019881	0.7993611	0.5443371	0.5073479	0.5073479	grey
0.3204601	0.6342814	0.07981962	0.0284546	0.9777464	0.174583	0.4447515	0.4447515	turquoise
0.5010215	0.01990756	0.2700192	0.4884792	0.5051988	0.6196304	4.53E-23	4.53E-23	yellow
0.0183403	0.5602496	0.858651	0.4259379	0.8415973	0.3352086	0.5749217	0.5749217	grey
0.3780832	0.05375694	0.5451887	0.4877771	0.4227415	0.3711703	0.01708195	0.01708195	greenyellow
0.6595402	0.3137879	0.5008991	0.4244708	0.4580497	0.425802	3.04E-06	3.04E-06	brown
0.5119279	0.09176959	0.1886802	0.3711209	0.5542769	0.572293	0.01280248	0.01280248	brown
0.3263029	0.8729296	0.00131458	0.2494495	0.3092474	0.00292543	0.9719468	0.9719468	turquoise
0.6967004	0.2701368	0.05294998	0.3202797	0.1979319	0.4956817	0.00055719	0.00055719	grey
0.8646163	0.8284479	0.761878	0.838006	0.6711693	0.5306562	0.4063923	0.4063923	grey
0.4556873	0.3722828	0.00072108	0.0979535	0.9910529	0.02938104	2.34E-05	2.34E-05	turquoise
0.328761	0.5207537	0.8369037	0.1077056	0.8644674	0.0998127	0.4112497	0.4112497	white
0.9440176	0.8939204	0.3612449	0.2733144	0.4864237	0.5680994	0.7121396	0.7121396	grey
0.1414509	0.4567689	0.01654405	0.5204725	0.3576931	0.09007904	0.0015565	0.0015565	pink
0.6800251	0.01144437	0.0097556	0.221752	0.9736475	0.7292603	7.56E-09	7.56E-09	brown
0.2569019	0.6467077	0.00208551	0.4508599	0.2407257	0.2944595	0.000357	0.000357	turquoise

0.354704	0.2868389	0.02049688	0.9584661	0.2734094	0.4940108	0.00016191	0.00016191	turquoise
0.00801754	0.02343466	0.1318708	0.272437	0.942728	0.5643316	0.00019533	0.00019533	darkgrey
0.08314992	0.4440122	0.1768257	0.5396763	0.8733063	0.5140346	0.2454472	0.2454472	grey
0.8971128	0.2240885	0.5350488	0.1065206	0.7591349	0.301425	0.5940941	0.5940941	turquoise
0.00828833	0.00046527	0.4500683	0.6671498	0.01476256	0.8207663	0.00150251	0.00150251	grey
0.1492431	0.00816917	0.5653864	0.8141401	0.5810922	0.9517925	0.00395272	0.00395272	turquoise
0.2448823	0.8674537	0.4360089	0.496101	0.3497348	0.5260477	0.03348048	0.03348048	blue
0.2171653	0.6557583	0.3131107	0.2292807	0.3009812	0.101092	0.01967948	0.01967948	turquoise
0.04799462	0.9319192	0.07981133	0.6924468	0.9297978	0.3319856	0.2647126	0.2647126	black
0.7459251	0.01719599	0.5066341	0.5532147	0.2360298	0.9852035	0.00198514	0.00198514	green
0.9051101	0.260829	0.841498	0.2877763	0.3741347	0.5886782	4.32E-06	4.32E-06	blue
0.1250864	0.480951	0.07758611	0.8153817	0.5172173	0.5686798	5.50E-06	5.50E-06	grey
0.7976149	0.4827114	0.1197503	0.0166785	0.2463971	0.1279688	0.7087345	0.7087345	lightcyan
0.3254727	0.2203865	0.00031867	0.0574308	0.5136824	0.1697876	2.58E-10	2.58E-10	green
0.418557	0.639682	0.1899319	0.5255256	0.4675949	0.4773431	0.2641265	0.2641265	turquoise
0.4619805	0.08768645	0.1102384	0.6354536	0.4265332	0.8521618	0.5805282	0.5805282	grey
0.2612053	0.07646485	0.1195725	0.9840999	0.555482	0.02067528	5.02E-16	5.02E-16	yellow
0.711219	0.1617046	0.4596618	0.1399566	0.6557784	0.4512865	6.29E-05	6.29E-05	blue
0.1244227	0.1899499	0.3063208	0.1410376	0.8283123	0.5405683	0.00114101	0.00114101	blue
0.1284358	0.953519	0.07581626	0.203545	0.9456428	0.1274384	0.01479832	0.01479832	turquoise
0.5253262	0.5260065	0.04066738	0.6078524	0.7057647	0.4901273	0.4404866	0.4404866	purple
0.8966974	0.8351043	0.00016599	0.0074174	0.8730361	0.04647492	0.7905262	0.7905262	turquoise
0.5477581	0.03058968	0.714302	0.3633051	0.9398655	0.8731556	7.66E-05	7.66E-05	blue
0.30695	0.08668999	0.3626617	0.5991338	0.514305	0.8839335	6.71E-05	6.71E-05	blue
0.0292367	0.61079	0.6291975	0.7265337	0.2893723	0.766382	0.0169447	0.0169447	turquoise
0.6771901	0.619891	0.4907407	0.4091803	0.4588461	0.1323405	5.45E-07	5.45E-07	turquoise
0.1928136	0.00972852	0.1417514	0.3217046	0.1483119	0.0889905	5.01E-13	5.01E-13	brown
0.3548193	0.01676862	0.9500558	0.7293362	0.5648007	0.9082427	0.00463243	0.00463243	grey60
0.8494432	0.5722604	0.692283	0.2487925	0.8511603	0.387703	9.54E-12	9.54E-12	grey
0.9465912	0.5844127	0.01558701	0.3781665	0.928704	0.1528348	0.5644483	0.5644483	grey
0.7679822	0.4615535	0.2802881	0.1267616	0.8143392	0.09220291	0.00105341	0.00105341	turquoise
0.8486313	0.319381	0.9883362	0.5199001	0.7699597	0.214126	0.07117936	0.07117936	blue
0.7935459	0.7398469	0.00063589	0.014402	0.6285057	0.08040516	0.9244955	0.9244955	turquoise
0.8390721	0.2851059	0.1401237	0.0449129	0.9621801	0.5492331	0.02721858	0.02721858	blue
0.03253815	0.9956463	0.0490429	0.6191339	0.7879018	0.2790501	0.2428844	0.2428844	turquoise
0.2030675	0.4486163	0.918207	0.6457572	0.7208577	0.5180855	0.7181493	0.7181493	grey
0.9961053	0.4399641	0.9422611	0.718635	0.279914	0.7601819	0.5062831	0.5062831	grey
0.6562549	0.9157052	0.00338343	0.1208284	0.8679028	0.05887842	0.3708912	0.3708912	blue
0.2899226	0.6249297	0.00612726	0.1314603	0.6027361	0.4870381	0.00057973	0.00057973	magenta
0.9007538	0.3526104	0.00339935	0.0123126	0.1215503	0.03126963	0.02415142	0.02415142	grey
0.02905669	0.7185181	0.7007537	0.8380568	0.4455606	0.1641864	2.76E-05	2.76E-05	red
0.6860155	0.1134339	0.6736184	0.3137853	0.7789949	0.2831913	1.51E-11	1.51E-11	brown
0.6053662	0.4185521	0.7039556	0.5002889	0.8602976	0.6797274	0.00469475	0.00469475	blue
0.8241213	0.9724872	0.7743	0.4295727	0.4926027	0.1412632	0.4067434	0.4067434	grey
0.7004561	0.8469947	0.08778801	0.6184785	0.8487435	0.3198351	3.66E-09	3.66E-09	grey
0.7067888	0.1149514	0.07627006	0.0825297	0.5237315	0.1736896	0.00024631	0.00024631	grey
0.1905905	0.521209	0.4075713	0.4871529	0.817294	0.3601844	0.8168996	0.8168996	grey
0.4259817	0.3841457	0.6589217	0.122766	0.1588215	0.7283899	0.2425584	0.2425584	grey
0.96163	0.3960653	0.9187697	0.6618961	0.314738	0.1005203	0.09126838	0.09126838	blue
0.2718494	0.11367	0.03235254	0.8258394	0.5778794	0.1710278	0.3496959	0.3496959	cyan
0.2985573	0.3855541	0.2526931	0.2476761	0.5726502	0.5005316	0.00326105	0.00326105	turquoise
0.1293069	0.1696262	0.03071791	0.2862644	0.8260994	0.06074085	0.4972207	0.4972207	turquoise
0.4215343	0.04392253	0.03982595	0.583284	0.4962886	0.8834162	5.75E-05	5.75E-05	green
0.9022571	0.2007671	0.1013423	0.8270876	0.5546776	0.4769043	0.3040784	0.3040784	grey
0.3967924	0.3203186	0.0200428	0.3057847	0.3202271	0.3226645	0.2175249	0.2175249	tan
0.3576972	0.08813374	0.01144623	0.0922752	0.6299485	0.04945394	0.07043184	0.07043184	turquoise
0.7286825	0.2068389	0.8730331	0.2858823	0.7806167	0.8809693	0.00114906	0.00114906	grey
0.3308628	0.01312333	0.02609894	0.2528629	0.9202569	0.7133462	1.02E-12	1.02E-12	brown
0.9892303	0.01435993	0.4483327	0.9206211	0.4662337	0.5255787	1.42E-10	1.42E-10	blue
0.1692295	0.2011362	0.3283894	0.757186	0.5557977	0.1191186	3.85E-05	3.85E-05	yellow
0.3162546	0.6569056	0.6108062	0.8346789	0.1161702	0.224167	0.461379	0.461379	blue

0.3183937	0.4722048	0.6194432	0.668115	0.7048064	0.6480176	0.8641353	0.8641353	blue
0.6839082	0.359872	0.05785265	0.2532841	0.3439506	0.2103463	6.23E-05	6.23E-05	turquoise
0.546987	0.0035475	0.00983043	0.0308344	0.4149034	0.08799734	0.00440471	0.00440471	grey60
0.342053	0.1115008	0.5798046	0.9842686	0.212073	0.5872639	1.41E-13	1.41E-13	yellow
0.1131137	0.3517992	0.5346332	0.5079771	0.8982984	0.4354984	0.04051772	0.04051772	turquoise
0.2808646	0.6652228	0.3410967	0.1782515	0.3686721	0.7034475	0.6268661	0.6268661	red
0.4639533	0.6229141	0.2939981	0.1574624	0.6398241	0.4275549	0.261805	0.261805	grey
0.7060939	0.08068106	0.5948968	0.2338286	0.5431333	0.07879019	0.8006058	0.8006058	darkorange
0.9395886	0.9879126	0.06629699	0.0725611	0.4732207	0.07823487	0.3315406	0.3315406	green
0.4886171	0.2104234	0.03984232	0.727273	0.9293824	0.65324	0.01332426	0.01332426	turquoise
0.2679857	0.3350896	0.7566896	0.6113876	0.3873395	0.712853	9.68E-07	9.68E-07	turquoise
0.4183967	0.4324156	0.1879059	0.7851742	0.1699784	0.185804	2.60E-05	2.60E-05	blue
0.7702456	0.02312611	0.9222669	0.400544	0.3944059	0.3401612	3.31E-08	3.31E-08	blue
0.8919283	0.02577486	0.00014586	0.0325551	0.6158885	0.3403524	1.90E-21	1.90E-21	yellow
0.6062858	0.04568726	0.7397827	0.9073501	0.3787334	0.4439884	0.1407671	0.1407671	grey
0.9772073	0.8005617	0.1530893	0.4536769	0.7024815	0.08306002	3.09E-06	3.09E-06	grey
0.6079917	0.2333586	0.08517255	0.3744803	0.592529	0.6640455	0.9993688	0.9993688	grey
0.01703444	0.1613473	0.7396249	0.164815	0.3976066	0.8724506	0.01318957	0.01318957	blue
0.00542155	0.1325482	0.06665728	0.1613822	0.2586872	0.2357049	0.03031104	0.03031104	grey
0.658768	0.2797146	0.03646735	0.2930767	0.1375858	0.7828962	0.00757431	0.00757431	turquoise
0.1075295	0.2231187	0.4900232	0.456526	0.8612486	0.6457081	0.4387263	0.4387263	red
0.5363233	0.07686338	0.1215648	0.1223934	0.7360444	0.02163922	0.2853003	0.2853003	turquoise
0.2867896	0.1639233	0.07626069	0.5968393	0.8039446	0.6423631	0.3747297	0.3747297	pink
0.3817049	0.4389564	0.3000672	0.144402	0.7649235	0.3692885	0.00012068	0.00012068	grey
0.8094316	0.7385611	0.1533776	0.0144577	0.8428822	0.2197329	0.1056328	0.1056328	grey
0.5782162	0.8426359	0.00026701	0.0417221	0.8408662	0.01600792	0.254881	0.254881	turquoise
0.8906471	0.09747554	0.5666578	0.3100918	0.04128373	0.7616907	7.15E-06	7.15E-06	blue
0.07636055	0.2781396	0.8695265	0.1589028	0.2082135	0.7465395	0.1645016	0.1645016	grey
0.3908125	0.1708483	0.733325	0.911615	0.641089	0.3412344	0.0024017	0.0024017	brown
0.3772471	0.0051202	0.05053677	0.8466333	0.136687	0.980353	1.37E-08	1.37E-08	brown
0.4229754	0.7303045	0.7429004	0.6090269	0.1471568	0.03416108	0.3656618	0.3656618	grey
0.7343407	0.2443895	0.00179111	0.1135185	0.3182678	0.04612632	0.9101797	0.9101797	turquoise
0.5764079	0.9626471	0.1109685	0.2964355	0.5505143	0.4478455	0.2859822	0.2859822	turquoise
0.1369634	0.1380938	0.1157895	0.3279029	0.876058	0.8944803	4.32E-08	4.32E-08	yellow
0.05054088	0.1276973	0.3613796	0.3194731	0.7320171	0.7953738	0.01573036	0.01573036	grey
0.4213746	0.6985043	0.2154225	0.6671857	0.3241996	0.334074	0.9600663	0.9600663	grey
0.7420722	0.197963	0.02915622	0.8551995	0.8337545	0.8791897	3.73E-28	3.73E-28	yellow
0.3057046	0.2601618	0.4234116	0.7124991	0.962975	0.9892696	2.85E-08	2.85E-08	blue
0.8446433	0.2335834	0.01028333	0.0960502	0.7328527	0.01536254	0.1469943	0.1469943	turquoise
0.270493	0.6158271	0.6372216	0.3364658	0.04596254	0.3278891	0.7309753	0.7309753	grey
0.8626671	0.06595799	0.0168408	0.0008797	0.3233342	0.00493101	0.4068997	0.4068997	lightcyan
0.7167269	0.3764403	0.01700616	0.5572348	0.8031804	0.1482512	0.01624312	0.01624312	turquoise
0.7531006	0.5160999	0.00109461	0.1220352	0.2552578	0.00731227	0.03751973	0.03751973	turquoise
0.3703374	0.4334539	0.00646787	0.0512154	0.9763834	0.07610405	0.00183394	0.00183394	turquoise
0.3726833	0.1694086	0.1669995	0.5322816	0.4553885	0.9600259	0.08753625	0.08753625	midnightblue
0.5610375	0.2636304	0.00835715	0.0182129	0.8890478	0.1832624	0.01633792	0.01633792	turquoise
0.5942913	0.1748667	0.995722	0.2935267	0.8299995	0.3816125	0.00970209	0.00970209	blue
0.9487732	0.8860364	0.4431784	0.0303075	0.2774028	0.00726313	0.4625448	0.4625448	purple
0.8895986	0.7892984	1.54E-07	0.5658389	0.4469797	0.1068433	0.00069308	0.00069308	turquoise
0.4933598	0.03601172	0.4237113	0.0522208	0.7455006	0.1577823	0.7157265	0.7157265	turquoise
0.9003071	0.8095917	0.4132158	0.6045304	0.02997331	0.503232	0.6302991	0.6302991	purple
0.4650561	0.08269445	0.0261297	0.036337	0.809246	0.1354725	0.03053156	0.03053156	greenyellow
0.4114378	0.3217115	0.8310435	0.4041041	0.9733232	0.8615027	0.9204383	0.9204383	brown
0.1765955	0.04807614	0.4882077	0.9000347	0.8569151	0.1996537	1.21E-06	1.21E-06	turquoise
0.3935506	0.2763729	0.1254983	0.5090262	0.2926616	0.1038245	0.506031	0.506031	grey
0.6800976	0.1763741	0.00247822	0.024331	0.152322	0.07602121	0.0027289	0.0027289	green
0.5304683	0.8411548	0.00286519	0.3229846	0.5361166	0.05520339	0.6073089	0.6073089	turquoise
0.2886468	0.4946967	0.08994595	0.2521265	0.3923784	0.3305012	0.6517312	0.6517312	turquoise
0.9729922	0.8075567	0.08677009	0.5951955	0.1063839	0.05395348	0.03483655	0.03483655	turquoise
0.26212	0.01438523	0.2492346	0.0924702	0.8316347	0.3140329	0.4560352	0.4560352	greenyellow
0.8593344	0.6934746	0.00014727	0.0186859	0.1164174	0.05681514	0.00506902	0.00506902	turquoise

0.3998986	0.1116266	0.2931082	0.741221	0.3834018	0.2104738	0.00446837	0.00446837	blue
0.8554148	0.3626529	0.707341	0.7104938	0.5756891	0.3117722	0.0032749	0.0032749	blue
0.4703127	0.4600712	0.7213224	0.6117819	0.1127635	0.2714489	0.1647412	0.1647412	grey
0.7663884	0.01314804	0.00039707	0.1502643	0.4249488	0.03046983	1.26E-07	1.26E-07	turquoise
0.443159	0.09578734	0.3345581	0.510061	0.6952985	0.8177097	0.00406275	0.00406275	blue
0.313876	0.264291	3.66E-05	0.0924949	0.5848104	0.05093582	0.1303921	0.1303921	grey
0.7947823	0.4571749	0.2298008	0.9928785	0.3665673	0.5381885	0.7379915	0.7379915	turquoise
0.2395947	0.3812523	0.4696364	0.691356	0.7538841	0.9751535	0.00062694	0.00062694	darkgreen
0.9232648	0.8093752	0.03427389	0.6705643	0.7831235	0.1252536	0.7779132	0.7779132	turquoise
0.9653438	0.472743	0.2294403	0.6545796	0.2837179	0.2514972	0.00442904	0.00442904	blue
0.7960028	0.02280313	0.3026861	0.4662377	0.5768652	0.845302	1.48E-07	1.48E-07	brown
0.5671491	0.1668943	0.1111631	0.8219934	0.7266386	0.4974384	0.4828073	0.4828073	grey
0.4528793	0.2303569	0.0475129	0.116063	0.401956	0.06633163	0.8872836	0.8872836	turquoise
0.9861575	0.339714	0.204374	0.5489318	0.6955596	0.6164485	0.5505035	0.5505035	turquoise
0.9079679	0.8610356	0.9590634	0.2074702	0.7377465	0.1734426	0.01242694	0.01242694	grey
0.870969	0.00619427	0.01061507	0.1417315	0.8306535	0.7294573	5.23E-31	5.23E-31	brown
0.7833773	0.5635716	0.2698325	0.1116398	0.2619658	0.4874101	0.7678673	0.7678673	black
0.5755777	0.105204	0.6328498	0.9975801	0.535653	0.4650349	9.41E-06	9.41E-06	grey
0.3141645	0.06192592	0.3097203	0.4161866	0.3606944	0.2572181	0.00033648	0.00033648	turquoise
0.4716238	0.08191117	0.1799669	0.2117953	0.153362	0.4727332	0.4847893	0.4847893	blue
0.1197892	0.8090921	0.3027223	0.3737506	0.3334514	0.3686938	0.4603982	0.4603982	blue
0.8711584	0.00128667	0.00032113	0.0414489	0.616157	0.4615661	5.37E-17	5.37E-17	brown
0.6906914	0.1180193	0.6003398	0.1031355	0.9782769	0.7841814	0.4117033	0.4117033	grey
0.1457944	0.244604	0.7648715	0.3278252	0.8292736	0.5725911	0.05466387	0.05466387	darkred
0.5290335	0.8279474	0.00432123	0.0691319	0.5659685	0.2413849	0.02777768	0.02777768	grey
0.8729514	0.7325134	0.2036166	0.0442136	0.1134021	0.7823583	0.00153462	0.00153462	grey
0.34858	0.8273434	0.923541	0.3787769	0.6340055	0.8414666	0.8694964	0.8694964	grey
0.08312181	0.7787279	0.005446	0.471909	0.803148	0.02556887	0.8324246	0.8324246	turquoise
0.9275073	0.08717855	0.1200157	0.778112	0.3915753	0.9005657	4.88E-14	4.88E-14	yellow
0.4032259	0.06490267	0.02893477	0.1390141	0.4071763	0.8748407	0.05156443	0.05156443	turquoise
0.1538015	0.8058667	0.0004291	0.0325518	0.9304135	0.02860789	0.5760004	0.5760004	turquoise
0.04385296	0.4965963	0.3167503	0.1931673	0.019349	0.00548285	0.02961124	0.02961124	turquoise
0.1276725	0.09791496	0.02589546	0.9499309	0.5738756	0.2636388	0.00107798	0.00107798	blue
0.9546912	0.4791635	0.4405139	0.1622407	0.2470155	0.9737243	0.491989	0.491989	grey
0.2128331	0.9164295	0.1445391	0.3582239	0.8121935	0.5328119	0.5619998	0.5619998	grey
0.4284341	0.1177288	0.421416	0.8783664	0.5079406	0.1695999	0.00019453	0.00019453	blue
0.6691619	0.08685364	0.4055552	0.9701864	0.9741652	0.621296	0.00046236	0.00046236	blue
0.9151203	0.5395352	0.7634209	0.3049986	0.1766085	0.1317106	0.00034217	0.00034217	grey
0.7716173	0.9307216	0.1908274	0.3569531	0.5277675	0.9053253	0.1374471	0.1374471	turquoise
0.9870535	0.2182821	0.1446109	0.1457036	0.7914409	0.8309027	0.2680297	0.2680297	grey
0.8068411	0.03359341	0.4032292	0.7028	0.8379309	0.3789076	0.2654517	0.2654517	tan
0.8997625	0.1073711	0.02539357	0.2524645	0.6686696	0.00836313	0.0012031	0.0012031	blue
0.9872153	0.3831387	0.6223216	0.1737366	0.5818826	0.9282991	0.01268788	0.01268788	grey
0.7783875	0.527163	0.4725376	0.0123402	0.9064633	0.3012911	0.2816612	0.2816612	turquoise
0.2138035	0.4272761	0.0409999	0.1657972	0.3654115	0.2169033	0.8124272	0.8124272	turquoise
0.05132831	0.5085406	0.03667735	0.1335776	0.539728	0.5295369	0.00723099	0.00723099	blue
0.4008036	0.6328478	0.7700119	0.9390216	0.5321853	0.8151925	0.06328057	0.06328057	grey
0.1958084	0.3171838	0.03216167	0.783265	0.5025532	0.158521	0.09557266	0.09557266	turquoise
0.4259359	0.3568447	0.4965305	0.1830403	0.7715824	0.7121415	0.00389555	0.00389555	darkred
0.9371085	0.1714776	0.06934895	0.2854402	0.270336	0.09034216	0.06316992	0.06316992	turquoise
0.00271642	0.7312796	0.7275471	0.0565924	0.7653173	0.4808788	0.00553621	0.00553621	grey
0.5811245	0.237665	0.9810602	0.8581256	0.9924067	0.1844251	0.219629	0.219629	greenyellow
0.2457385	0.8836703	0.4536272	0.5069728	0.340341	0.4999087	0.01503967	0.01503967	grey
0.6673477	0.998707	0.3610572	0.2620151	0.06328108	0.9366775	0.4833077	0.4833077	grey
0.2944883	0.03777238	0.5173306	0.5513648	0.895237	0.5465018	0.09366107	0.09366107	blue
0.3469303	0.4331801	0.7295387	0.6829285	0.6615369	0.4003283	0.985552	0.985552	cyan
0.7015907	0.522611	0.03518806	0.192421	0.6802783	0.6034078	0.3295675	0.3295675	turquoise
0.5313263	0.00498234	0.04171364	0.4237827	0.5402702	0.5625369	6.02E-20	6.02E-20	brown
0.6716065	0.00254569	0.2367112	0.4071405	0.9358461	0.6418965	1.65E-09	1.65E-09	darkturquoise
0.4652132	0.2103678	0.02579924	0.0341909	0.8096948	0.04115673	0.1616448	0.1616448	turquoise
0.3108448	0.1123972	0.1092888	0.2830586	0.5109907	0.03241151	0.00252227	0.00252227	blue

0.2095117	0.5722576	0.2647787	0.240875	0.965001	0.5587116	0.1050851	0.1050851	turquoise
0.3488523	0.2821707	0.1970947	0.5504876	0.8412147	0.2814744	0.0073277	0.0073277	grey
0.77919	0.9791333	0.04665301	0.454732	0.8123232	0.2610902	0.1513455	0.1513455	turquoise
0.9676431	0.625802	0.4989389	0.3798949	0.5823697	0.2604807	0.119757	0.119757	grey
0.3579608	0.2180516	0.4949515	0.3654857	0.09608868	0.1857463	0.00028579	0.00028579	yellow
0.05341317	0.7838576	0.00201053	0.0688369	0.325496	0.1020357	0.00584835	0.00584835	turquoise
0.6893317	0.2736234	0.1421616	0.7407392	0.4751769	0.8863862	0.00216925	0.00216925	pink
0.03145418	0.09268006	0.8641453	0.2395202	0.0459878	0.4948858	0.09912303	0.09912303	blue
0.4052247	0.3744164	0.0667084	0.3747631	0.3089417	0.07343939	0.09691898	0.09691898	turquoise
0.9674865	0.1777375	0.00094559	0.1408943	0.8548646	0.173734	2.90E-21	2.90E-21	magenta
0.2840487	0.7348302	0.437388	0.9845941	0.2506344	0.2512885	0.03642973	0.03642973	turquoise
0.3498403	0.01808796	0.05645023	0.6227645	0.6488286	0.5433428	1.78E-06	1.78E-06	grey
0.3520208	0.01377745	0.07538082	0.8080541	0.9340623	0.9068541	7.79E-15	7.79E-15	brown
0.0417836	0.2907555	0.8031484	0.1758138	0.8080971	0.3602049	0.7240269	0.7240269	grey
0.1867871	0.0029732	0.9883349	0.7979572	0.6640207	0.7981848	0.05617529	0.05617529	grey60
0.5667044	0.6818257	0.6283345	0.7083903	0.80571	0.3677284	0.5997838	0.5997838	pink
0.9757084	0.00816614	0.4606534	0.3748818	0.9271434	0.3632227	0.6553521	0.6553521	grey
0.02728434	0.3224319	0.3711279	0.5473092	0.8387954	0.4967673	0.4274786	0.4274786	grey
0.4573651	0.5262182	0.02093737	0.9554197	0.7226638	0.31017	0.00346955	0.00346955	blue
0.1252117	0.7080568	0.00759464	0.0093764	0.4672562	0.01292281	0.4878084	0.4878084	lightcyan
0.137109	0.1414911	0.4996372	0.9989008	0.7595837	0.2990394	0.00015386	0.00015386	grey
0.82871	0.1684022	0.0061051	0.3272875	0.4082378	0.2124673	0.3139665	0.3139665	turquoise
0.7612657	0.6901463	0.6560644	0.4017294	0.3259929	0.9359351	0.3841042	0.3841042	turquoise
0.2842436	0.1237455	0.8215551	0.7382604	0.7216073	0.4079202	0.1479722	0.1479722	greenyellow
0.8631868	0.8982952	0.00055874	0.0230935	0.5661859	0.01570639	0.4132429	0.4132429	turquoise
0.00701758	0.8717504	0.8650082	0.3497013	0.1363616	0.9526749	0.03683583	0.03683583	grey
0.3469632	0.1568665	0.9702402	0.2479461	0.3361793	0.946331	0.00085743	0.00085743	brown
0.4664893	0.7708038	0.06610826	0.5677304	0.4124013	0.03420594	0.00069866	0.00069866	turquoise
0.4208007	0.493374	0.1895232	0.2656443	0.2283611	0.4101045	0.3135404	0.3135404	turquoise
0.1352371	0.06502066	0.816237	0.7727633	0.1900564	0.9659477	0.00733353	0.00733353	grey
0.374018	0.8965337	0.00839924	0.9792705	0.848948	0.128901	0.1515172	0.1515172	green
0.9229939	0.8183116	0.1092888	0.8649035	0.1468482	0.2839158	0.06805053	0.06805053	turquoise
0.6492287	0.6519262	0.2555183	0.8531801	0.2976817	0.9541242	1.84E-11	1.84E-11	brown
0.5734125	0.4216948	0.4903637	0.42051	0.4991289	0.3371201	0.1196701	0.1196701	blue
0.3633927	0.01203602	0.5203551	0.7251549	0.8150891	0.8925009	1.67E-09	1.67E-09	blue
0.977873	0.09694559	0.01587281	0.0221162	0.5892037	0.0833847	0.7814951	0.7814951	turquoise
0.9257573	0.2026115	0.2309705	0.0071726	0.8075209	0.1085352	0.133773	0.133773	turquoise
0.2655974	0.1820918	0.8373531	0.3084153	0.762707	0.4813102	0.108703	0.108703	grey60
0.9393798	0.247571	0.4938113	0.9186031	0.6731006	0.9179425	2.00E-05	2.00E-05	brown
0.1532949	0.9608941	0.0017388	0.4179748	0.07262604	0.00853741	0.2126531	0.2126531	turquoise
0.6488699	0.06136387	0.00120048	0.0885728	0.4007152	0.9529099	9.97E-13	9.97E-13	brown
0.4067132	0.3410901	0.3617778	0.2301219	0.6132687	0.7371211	0.02791048	0.02791048	turquoise
0.7620768	0.2601868	0.4297655	0.6195588	0.9711106	0.3506646	0.6598217	0.6598217	white
0.8263464	0.9516211	0.2468783	0.0715572	0.9642256	0.567985	0.04564755	0.04564755	grey
0.9886083	0.1605915	0.1623397	0.1900275	0.7267963	0.8180344	0.00719022	0.00719022	grey
0.602403	0.08575654	0.7318892	0.8245486	0.7410955	0.4185043	1.70E-08	1.70E-08	blue
0.2126182	0.587048	0.5355003	0.127138	0.7568447	0.248826	0.4041462	0.4041462	turquoise
0.2335375	0.7490261	0.1907594	0.0261429	0.3439411	0.01322875	0.23528	0.23528	turquoise
0.4545406	0.9368964	0.46872	0.9847081	0.9966262	0.6192446	0.9213312	0.9213312	black
0.9361309	0.6766069	0.160939	0.9244137	0.9104189	0.7881933	0.9098627	0.9098627	grey
0.5382213	0.7549987	0.7788552	0.5942193	0.8743715	0.594907	0.3781453	0.3781453	turquoise
0.4181431	0.00494854	0.5727684	0.057012	0.1727822	0.05340114	1.70E-05	1.70E-05	blue
0.5116048	0.9828699	0.3297834	0.9197729	0.8211907	0.2598328	0.8029127	0.8029127	grey
0.7153942	0.537948	0.2569958	0.48071	0.6906366	0.2711673	5.44E-14	5.44E-14	yellow
0.3286859	0.9663057	0.2575447	0.3075489	0.0488742	0.09088748	0.2330807	0.2330807	grey
0.6864992	0.4844059	0.1158535	0.7575205	0.4496109	0.6291714	0.9829539	0.9829539	turquoise
0.6345061	0.00065863	0.2888698	0.9912406	0.678181	0.3626418	0.00010352	0.00010352	brown
0.00045147	0.06276275	0.5311286	0.1448472	0.777024	0.9949872	0.00062539	0.00062539	blue
0.3118985	0.00258989	0.6261826	0.7341034	0.6623352	0.5573885	0.00156018	0.00156018	turquoise
0.4887283	0.1593145	0.9316264	0.5706269	0.713464	0.2767133	3.82E-05	3.82E-05	grey
0.8820191	0.08103885	0.2139279	0.0202447	0.8180448	0.01058685	4.20E-05	4.20E-05	grey

0.0036118	0.39587	0.1910565	0.0227971	0.221427	0.0171907	0.00916843	0.00916843	grey
0.1211241	0.7300264	0.01677466	0.4843498	0.6789445	0.07015317	0.01877523	0.01877523	turquoise
0.835918	0.664869	0.05442494	0.9140885	0.6601024	0.293115	0.608715	0.608715	turquoise
0.1590777	0.3441258	0.1317087	0.9575901	0.7413542	0.5141051	0.06834994	0.06834994	blue
0.05362182	0.7016417	0.4026615	0.9010353	0.2542852	0.4188204	0.0935334	0.0935334	grey
0.338751	0.0028272	0.228257	0.2858189	0.2629755	0.6821141	0.00324107	0.00324107	grey
0.4019262	0.7810879	0.995696	0.890416	0.9442788	0.7872784	0.7320822	0.7320822	grey
0.7809046	0.2635669	0.01421986	0.1733128	0.2133331	0.4659342	7.21E-10	7.21E-10	grey
0.7420665	0.8089461	0.9433924	0.1261905	0.8317414	0.54114	0.2083548	0.2083548	grey
0.2074094	0.05718555	0.5230451	0.7128912	0.3590614	0.1911694	1.82E-05	1.82E-05	turquoise
0.2015767	0.00249336	0.046151	0.4760625	0.1221229	0.7754262	1.37E-14	1.37E-14	brown
0.3382178	0.5481656	0.00012167	0.0234713	0.08851985	0.04736797	0.05214238	0.05214238	turquoise
0.4050495	0.58711	0.9713353	0.2683547	0.6835032	0.5390577	0.01448105	0.01448105	red
0.03460136	0.2724444	0.2364479	0.4368957	0.2228534	0.9997912	0.00777791	0.00777791	grey
0.00115168	0.7872448	0.5890373	0.1584334	0.8478119	0.364809	0.2021665	0.2021665	blue
0.7940995	0.01801591	0.1446897	0.630441	0.5825138	0.2214243	4.03E-05	4.03E-05	turquoise
0.2102277	0.7129806	0.0033167	0.1187162	0.6077239	0.09290856	0.08328829	0.08328829	green
0.7985903	0.6694307	0.6398196	0.6052715	0.3496362	0.5907979	0.1309464	0.1309464	blue
0.6202129	0.2559775	0.2185604	0.1588844	0.6634848	0.1425178	0.00117029	0.00117029	blue
0.1083469	0.01355676	0.2818708	0.8620398	0.7034587	0.4858549	0.00323708	0.00323708	blue
0.06425155	0.5085639	0.1188899	0.0799082	0.7100259	0.4806979	0.9003121	0.9003121	blue
0.6998928	0.0025308	0.0020163	0.1743688	0.8688603	0.227707	4.62E-18	4.62E-18	yellow
0.4660124	0.4694776	0.5822172	0.8505321	0.7402631	0.4892704	0.9179811	0.9179811	turquoise
0.2695878	0.2225693	0.8370986	0.2151964	0.977311	0.6357957	5.68E-05	5.68E-05	brown
0.2903569	0.00803554	0.3180565	0.8963591	0.9681781	0.2730779	7.52E-07	7.52E-07	brown
0.172756	0.2392363	0.09971683	0.705224	0.7435968	0.08182772	0.00081548	0.00081548	blue
0.7062027	0.449485	0.3974998	0.8957804	0.2988473	0.4910499	0.00089743	0.00089743	grey
0.9583335	0.5478464	0.3031725	0.7490322	0.5623292	0.02176765	0.00161158	0.00161158	blue
0.820369	0.2530532	0.9005852	0.5677992	0.5808838	0.9889394	0.01639059	0.01639059	blue
1.35E-10	0.06781267	0.0313956	0.9817407	0.6947123	0.02654841	0.00017565	0.00017565	blue
0.2337351	0.7291461	0.05372322	0.6943077	0.2933433	0.362765	0.5901101	0.5901101	grey
0.1111276	0.257238	0.01985179	0.1938102	0.9579891	0.2545876	3.91E-10	3.91E-10	pink
0.740484	0.2473305	0.8671319	0.2917865	0.7581823	0.3247825	0.4933621	0.4933621	turquoise
0.563526	0.00063561	0.00693441	0.1357867	0.8832821	0.3397655	3.37E-17	3.37E-17	brown
0.03067848	0.1201849	0.3767341	0.6938735	0.8416088	0.2012664	0.02029851	0.02029851	blue
0.2179941	0.5240218	0.8717521	0.4889507	0.1780516	0.2614938	0.3697248	0.3697248	grey
0.3109678	0.7653961	0.2381807	0.3665608	0.5779743	0.2265761	0.6911801	0.6911801	turquoise
0.7475859	0.4677708	0.7189583	0.8788886	0.7363326	0.2600518	0.3355571	0.3355571	white
0.9077666	0.7474685	0.04171475	0.110568	0.6148433	0.2615292	2.26E-06	2.26E-06	yellow
0.9830934	0.5388584	0.057243	0.0472451	0.5487055	0.1580619	0.03195926	0.03195926	grey
0.5449902	0.5704842	0.02128001	0.1351442	0.4931919	0.4209142	2.98E-12	2.98E-12	yellow
0.1001001	0.4927548	0.00919302	0.3462226	0.9309065	0.0107313	0.270571	0.270571	turquoise
0.2251009	0.3470607	0.7117062	0.3741115	0.6755177	0.1169527	5.40E-05	5.40E-05	turquoise
0.3577944	0.01777248	0.01556729	0.0210181	0.02704268	0.1080006	0.00657661	0.00657661	blue
0.5855543	0.5427329	0.06875156	0.9402659	0.8128415	0.1975645	0.00265471	0.00265471	turquoise
0.4425941	0.3651542	0.2912285	0.5571305	0.7202294	0.8967334	0.2955709	0.2955709	pink
0.512834	0.00338248	0.01044643	0.0091203	0.9504016	0.1229063	0.0241122	0.0241122	grey
0.06915198	0.0603971	0.6969769	0.9148771	0.3383976	0.7793831	0.01085882	0.01085882	grey
0.4269759	0.06949408	0.01022797	0.1388986	0.3653683	0.1215823	3.02E-28	3.02E-28	yellow
0.3026179	0.3480629	0.05192324	0.5807836	0.6876452	0.2251262	0.00194063	0.00194063	blue
0.8409278	0.2667159	0.3406638	0.54526	0.9993959	0.6297799	0.754615	0.754615	grey
0.827981	0.7313887	0.2995028	0.5023049	0.5079459	0.8884057	0.07260841	0.07260841	grey
0.5035602	0.2639794	0.386019	0.4644456	0.840459	0.8667413	0.01772205	0.01772205	blue
0.6148678	0.9875232	0.6735271	0.9633181	0.757156	0.7458349	0.8030203	0.8030203	blue
0.2596491	0.08888855	0.2631913	0.4066025	0.384788	0.7792638	0.3737872	0.3737872	grey
0.5574589	0.1364368	0.1863779	0.5093728	0.5788078	0.4603	0.9168199	0.9168199	turquoise
0.5360582	0.4775789	0.05374668	0.8123905	0.7412491	0.1529204	0.3176435	0.3176435	turquoise
0.6687522	0.5974653	0.06372212	0.3553084	0.6714159	0.08900188	0.1004604	0.1004604	turquoise
0.07449257	0.2645157	0.001926	0.1492636	0.5091052	0.00162127	0.778672	0.778672	turquoise
0.00528949	0.4155518	0.02626898	0.352638	0.2480672	0.9692543	0.01106786	0.01106786	grey
0.4031401	0.08085932	0.3704715	0.6056305	0.08161767	0.742927	0.00740684	0.00740684	turquoise

0.8249215	0.134959	0.2905783	0.3908852	0.8928658	0.8049517	0.100475	0.100475	grey
0.2680284	0.1411749	0.6474518	0.4432166	0.9311781	0.4350353	7.20E-08	7.20E-08	brown
0.965098	0.5521833	0.05260837	0.0157761	0.2351455	0.01405265	0.7567977	0.7567977	turquoise
0.04434282	0.3142311	0.9511425	0.6464282	0.759538	0.8946148	0.1846921	0.1846921	turquoise
0.9432139	0.4758957	0.00057955	0.3176638	0.988742	0.2732956	0.1225945	0.1225945	magenta
0.1086695	0.00839348	0.6327141	0.872384	0.7830715	0.3524466	0.00563809	0.00563809	turquoise
0.9111486	0.02956043	0.4267672	0.4147374	0.2408434	0.3063356	0.00176219	0.00176219	yellow
0.3587752	0.8955244	0.00193174	0.1006313	0.7959315	0.1356587	0.2079533	0.2079533	turquoise
0.5005358	0.9320412	0.00127707	0.3583191	0.5819287	0.1207182	0.112503	0.112503	turquoise
0.8781948	0.2796259	0.5124955	0.4211106	0.7298094	0.2362282	0.0108164	0.0108164	turquoise
0.3905506	0.7200445	0.00778335	0.6124384	0.990174	0.1218185	0.8713258	0.8713258	turquoise
0.7591528	4.99E-06	0.9895771	0.9147246	0.8080512	0.2973947	1.80E-15	1.80E-15	brown
0.4409232	0.0903887	0.07202105	0.6540753	0.763962	0.2991537	0.00291138	0.00291138	turquoise
0.6369889	0.5168721	0.00021156	0.0466427	0.5799259	0.00826492	0.00059722	0.00059722	green
0.4500197	0.8699703	0.2433277	0.5955321	0.8340661	0.7536545	0.0156906	0.0156906	turquoise
0.9869225	0.6024204	0.9609563	0.0457698	0.8703826	0.7207547	0.2128371	0.2128371	grey
0.3240823	0.1044544	0.08477468	0.0343168	0.642162	0.02867174	0.3963039	0.3963039	turquoise
0.6221631	0.2571402	0.4347158	0.9292573	0.4425543	0.8548525	0.3450696	0.3450696	midnightblue
0.8588872	0.3440934	0.08527492	0.9438305	0.7098486	0.06655922	0.09423248	0.09423248	turquoise
0.9438524	0.9693657	0.1997344	0.586296	0.6929182	0.3751516	0.00737258	0.00737258	grey
0.2527205	0.9334624	0.3642846	0.3426938	0.9421036	0.225268	0.1665597	0.1665597	grey
0.8125782	0.01369984	0.1662905	0.5886229	0.8463212	0.2305149	6.78E-05	6.78E-05	turquoise
0.4596166	0.3430017	0.09585884	0.5954056	0.9780268	0.2907684	0.05256637	0.05256637	turquoise
0.3643042	0.2788156	0.3189219	0.1737689	0.6460419	0.7932015	0.8007507	0.8007507	grey
0.337885	0.4176887	2.83E-06	0.0849239	0.1063362	0.1209234	1.01E-11	1.01E-11	magenta
0.2655825	0.4442731	0.2090009	0.8790515	0.5766719	0.7491349	0.6519345	0.6519345	red
0.8555579	0.05692715	0.844221	0.9229587	0.6129058	0.5538228	1.86E-06	1.86E-06	blue
0.8984449	0.09847805	0.02331575	0.5424899	0.4446471	0.06571937	0.00079044	0.00079044	grey
0.2518331	0.5589162	0.3741856	0.3203203	0.2699233	0.1478343	0.4478602	0.4478602	turquoise
0.6948935	0.9148583	0.05826694	0.6253447	0.4237641	0.07266876	0.1072831	0.1072831	blue
0.5664445	0.4507062	0.00026011	0.1127595	0.3701734	0.1308621	0.38832	0.38832	turquoise
0.3409173	0.1125137	0.2602151	0.6565993	0.4306139	0.3934125	0.5432948	0.5432948	grey
0.5764145	0.4680097	0.08804084	0.8552124	0.4990039	0.4109668	0.2019942	0.2019942	grey
0.2828938	0.5252114	0.6478872	0.5491385	0.3883329	0.5548316	0.05081249	0.05081249	grey
0.8063219	0.1136759	0.04648785	0.1283584	0.6265196	0.159556	7.12E-09	7.12E-09	brown
0.06216146	0.7924239	0.7273808	0.7927363	0.314031	0.5050392	0.6322544	0.6322544	grey
0.5019733	0.7292727	0.03685785	0.0743892	0.3856926	0.123103	0.1485081	0.1485081	green
0.5916887	0.02999207	0.2075401	0.8667865	0.7892868	0.4706544	0.472491	0.472491	magenta
0.4813202	0.1435256	0.00285965	0.5476504	0.8004753	0.5042404	0.2055828	0.2055828	grey
0.5444559	0.05821759	0.3530132	0.2279589	0.6130643	0.2715628	0.00184554	0.00184554	turquoise
0.7880457	0.3784147	0.1734249	0.4745445	0.6051887	0.01418158	0.5091457	0.5091457	turquoise
0.1815537	0.6010749	0.0717953	0.4542251	0.7472714	0.5998895	0.0685642	0.0685642	grey
0.6055576	0.2539051	0.0049782	0.0259346	0.8572518	0.08179738	0.3891003	0.3891003	turquoise
0.4439314	0.5334903	0.00039492	0.017279	0.7532875	0.1335897	1.20E-05	1.20E-05	lightyellow
0.6147391	0.6619826	0.01281393	0.4762467	0.4844799	0.05733066	0.00016177	0.00016177	turquoise
0.8692174	0.00763588	0.04536895	0.9563546	0.5129797	0.8552064	6.61E-34	6.61E-34	brown
0.1950298	0.7531735	0.2577366	0.7554646	0.3395365	0.1972574	0.3916195	0.3916195	darkturquoise
0.8909644	0.07546873	0.08437035	0.8385601	0.6746891	0.671463	1.20E-28	1.20E-28	brown
0.7854378	0.9385885	0.376031	0.073142	0.9682542	0.2896768	0.7579575	0.7579575	midnightblue
0.398706	0.469396	1.25E-05	0.1926932	0.6616876	0.5443565	0.00047347	0.00047347	magenta
0.2589358	0.1436385	0.0120031	0.1861762	0.4620171	0.09593646	0.00098637	0.00098637	green
0.8444727	0.1169821	0.2175259	0.3260105	0.276267	0.02459126	1.15E-08	1.15E-08	blue
0.3801798	0.1793722	0.9131471	0.5181652	0.4364656	0.4496146	0.7219603	0.7219603	grey
0.4724368	0.127315	0.02024645	0.1481764	0.9636096	0.06861359	0.00023684	0.00023684	turquoise
0.6605373	0.3496523	0.138391	0.9993685	0.8345275	0.2573873	0.00041388	0.00041388	blue
0.8787955	0.7983973	0.09337828	0.5226711	0.7264185	0.4315607	2.69E-06	2.69E-06	grey
0.774429	0.3775817	0.1437677	0.0495113	0.578746	0.2488209	0.01095587	0.01095587	blue
0.1609905	0.9819629	0.9403405	0.8086926	0.5557173	0.5666128	0.9840044	0.9840044	blue
0.00374598	0.4793131	0.8277489	0.0668651	0.3087503	0.4162776	0.00185128	0.00185128	turquoise
0.2191292	0.612244	0.2185418	0.8262195	0.7288012	0.4043222	0.0717402	0.0717402	blue
0.904801	0.6531372	0.00167822	0.1387657	0.1566164	0.05440225	0.1513279	0.1513279	turquoise

0.3946305	0.5758164	0.06768549	0.3196036	0.7946725	0.8652328	0.1164845	0.1164845	brown
0.07140156	0.6084535	0.02641067	0.0387437	0.1470578	0.02066109	0.843471	0.843471	turquoise
0.5301643	0.1801823	0.00091927	0.0620275	0.3418815	0.5651785	4.35E-06	4.35E-06	green
0.1211327	0.1217469	0.1192326	0.4391471	0.6599021	0.8319895	0.02276193	0.02276193	grey
0.7590269	0.0257044	0.09772227	0.3299795	0.9397229	0.3657313	0.1861607	0.1861607	tan
0.3390152	0.2908842	0.00388797	0.001078	0.5953411	0.0221351	0.01472433	0.01472433	grey
0.5171571	0.3875478	0.458403	0.4178592	0.6639383	0.1913751	0.07779074	0.07779074	blue
0.6817313	0.08072692	0.1024863	0.5123611	0.7356344	0.1686627	0.01689106	0.01689106	darkgrey
0.8614958	0.7876871	0.7281422	0.8224617	0.8926156	0.8534054	0.023154	0.023154	grey
0.9379435	0.1464772	0.00853715	0.1272471	0.6385086	0.00956548	0.04457951	0.04457951	turquoise
0.8444029	0.3992765	0.8174443	0.799656	0.9741755	0.3771298	0.8106428	0.8106428	cyan
0.9156024	0.2993705	0.8066363	0.9400541	0.8348976	0.9109255	0.2465181	0.2465181	brown
0.3179294	0.5767656	0.09403732	0.8052422	0.9309461	0.1268563	0.0001424	0.0001424	blue
0.5081574	0.03415271	0.3209314	0.7594947	0.7835044	0.1419143	0.7077096	0.7077096	turquoise
0.1401098	0.3571513	0.2498207	0.8416528	0.1365608	0.1111965	1.23E-05	1.23E-05	turquoise
0.04527297	0.141383	0.6558679	0.5245074	0.8937327	0.6468487	0.08383927	0.08383927	black
0.80783	0.4635367	0.7202742	0.6341143	0.7236102	0.2504912	0.00497755	0.00497755	blue
0.8029793	0.2600119	0.08302405	0.282288	0.7648276	0.1265233	0.2786532	0.2786532	grey
0.9662094	0.4670506	0.9869659	0.1024091	0.9490838	0.2991645	0.1884335	0.1884335	grey
0.7653326	0.8065145	0.01586684	0.6240113	0.9475022	0.03063576	0.4028986	0.4028986	turquoise
0.9360662	0.8315549	0.08010289	0.4557932	0.6589076	0.247837	0.1570811	0.1570811	green
0.1232517	0.09899669	0.8292686	0.8391091	0.3323197	0.8683045	0.0239918	0.0239918	turquoise
0.8822337	0.2615198	0.2938575	0.3510872	0.9246003	0.9453891	0.8674592	0.8674592	black
0.7660619	0.8612449	0.3975651	0.2533649	0.4055266	0.3525263	0.0001493	0.0001493	grey
0.7012517	0.01975394	0.1883646	0.0851043	0.3802454	0.725194	0.01380789	0.01380789	grey
0.3977436	0.1674893	0.1642789	0.4232211	0.5416466	0.8414597	0.06928929	0.06928929	green
0.03322217	0.2815116	0.00103448	0.0266936	0.1724639	0.5313308	0.04600189	0.04600189	grey
0.7881554	0.1867195	0.1381409	0.3029154	0.7007225	0.7751276	0.4305739	0.4305739	blue
0.1570866	0.4332851	0.00099324	0.0076518	0.4777368	0.1167055	0.00564194	0.00564194	yellow
0.1515483	8.45E-05	0.8058766	0.8774465	0.02485608	0.7863108	0.01224538	0.01224538	turquoise
0.9639161	0.01536251	0.8805021	0.8798736	0.5049491	0.7221048	1.66E-05	1.66E-05	brown
0.6884146	0.280409	0.5351533	0.80576	0.6125699	0.429181	0.1342623	0.1342623	turquoise
0.1700068	0.7790928	0.1681428	0.8588922	0.8292586	0.7247616	0.2837969	0.2837969	turquoise
0.7970732	0.05902261	0.09381849	0.1812341	0.6231563	0.8059667	0.3128969	0.3128969	brown
0.5604719	0.1556918	0.7663324	0.6041309	0.8416584	0.5304561	0.3992795	0.3992795	grey
0.1358037	0.4329336	0.4236746	0.586202	0.8109405	0.2266236	0.1232883	0.1232883	turquoise
0.02219732	0.4151483	0.3433466	0.7240958	0.2007073	0.8096677	1.29E-05	1.29E-05	grey
0.6961198	0.4952685	0.01812825	0.0787135	0.8424609	0.00333379	0.0118778	0.0118778	turquoise
0.824536	0.08107602	0.6488885	0.9769795	0.3528209	0.8754317	0.705053	0.705053	cyan
0.7219947	0.6748828	7.25E-06	0.0069617	0.384261	0.02683843	0.6606581	0.6606581	turquoise
0.5418759	0.1491991	0.00592773	0.2844172	0.8938242	0.1675187	0.02571863	0.02571863	turquoise
0.8550152	0.00225123	0.0081113	0.5784587	0.3082599	0.5278418	6.30E-29	6.30E-29	yellow
0.00441649	0.02928233	0.06943371	0.4659532	0.4586567	0.2273737	1.71E-05	1.71E-05	grey
0.3248116	0.01235962	0.05539114	0.549187	0.9526462	0.7710603	2.31E-10	2.31E-10	brown
0.7398156	0.08267883	0.3352496	0.4485105	0.4276506	0.5279167	1.29E-07	1.29E-07	blue
0.04909745	0.2521324	0.1875793	0.0984335	0.4150972	0.2050209	0.03133066	0.03133066	lightcyan
0.5850342	0.5888186	0.01459106	0.2358049	0.9680232	0.3261982	0.07931076	0.07931076	turquoise
0.4793735	0.0577904	0.4236498	0.6910961	0.3666291	0.8706712	2.09E-06	2.09E-06	turquoise
0.309166	0.88648	0.1621171	0.4927566	0.7583464	0.6685917	0.08142016	0.08142016	blue
0.2197576	0.00879225	0.6015746	0.7104083	0.4962662	0.7546596	5.26E-05	5.26E-05	blue
0.06577694	0.05168932	0.2077233	0.2455725	0.6144478	0.2584623	3.95E-07	3.95E-07	blue
0.200312	0.9818155	0.1341697	0.5843655	0.8792518	0.8086853	0.3081742	0.3081742	grey
0.6510906	0.00052883	0.1177628	0.492676	0.4864758	0.4571637	3.96E-12	3.96E-12	brown
0.5169226	0.01983011	0.2076042	0.5033409	0.6415151	0.8806751	0.00078057	0.00078057	blue
0.6194274	0.207221	0.00373192	0.3851828	0.4811379	0.09231007	0.04782145	0.04782145	turquoise
0.153681	0.3434526	0.08274682	0.471127	0.435002	0.3328504	0.8739263	0.8739263	tan
0.5471931	0.00491086	0.1126366	0.6361417	0.6749235	0.0779822	1.40E-06	1.40E-06	turquoise
0.00463724	0.4497689	0.3163347	0.8977454	0.5533469	0.2500296	7.43E-06	7.43E-06	blue
0.279305	0.4696814	0.00579001	0.2925164	0.637072	0.09069565	0.00108161	0.00108161	yellow
0.7115174	0.02694208	0.00060564	0.5182946	0.6475111	0.1179541	0.4445471	0.4445471	tan
0.1674514	0.9556487	0.9561496	0.8645284	0.4509629	0.1789345	0.04981206	0.04981206	blue

0.4051658	0.02581734	0.01906771	0.0143134	0.7215686	0.01122894	1.07E-07	1.07E-07	brown
0.4714165	0.2983821	0.5519782	0.1003212	0.04628064	0.055498	0.00655875	0.00655875	turquoise
0.7662352	0.00382084	0.00111024	0.1026077	0.9545409	0.7102034	5.85E-26	5.85E-26	yellow
0.3106676	0.9537151	0.02767252	0.8274618	0.7819574	0.7070768	0.02377932	0.02377932	grey
0.7876572	0.2784084	0.01686021	0.103831	0.721007	0.6461034	0.02619269	0.02619269	turquoise
0.9892873	0.01451693	0.00721324	0.1677175	0.4660684	0.3598933	1.06E-16	1.06E-16	yellow
0.1634948	0.7649634	0.0224019	0.2869121	0.403852	0.333043	0.04911091	0.04911091	turquoise
0.5767195	0.03754918	0.138231	0.7825895	0.1412595	0.00958841	0.3949926	0.3949926	grey
0.1829785	0.5543258	0.03760436	0.1376941	0.122454	0.05411138	0.02368853	0.02368853	turquoise
0.980922	0.1840134	0.000268	0.0251097	0.6031887	0.197393	2.48E-06	2.48E-06	turquoise
0.4082475	0.9010598	0.8580551	0.3829734	0.9982732	0.1619619	0.00628436	0.00628436	grey
0.5681608	0.4455226	0.3752658	0.8073528	0.1602495	0.5919167	0.459797	0.459797	turquoise
0.3956828	0.00529283	0.00718442	0.3197137	0.4504424	0.9808607	9.61E-27	9.61E-27	brown
0.1220719	0.04756388	0.4548742	0.0880852	0.306157	0.896019	0.6372843	0.6372843	grey
0.2773018	0.02650156	0.01049772	0.2655094	0.1762529	0.5553763	9.62E-11	9.62E-11	brown
0.8597047	0.4839253	0.4712135	0.49982	0.7724806	0.0865441	0.5009244	0.5009244	turquoise
0.8534359	0.6250233	0.00757506	0.6477454	0.8208094	0.1548284	0.227407	0.227407	blue
0.09281651	0.0775155	0.6255133	0.4980731	0.7879879	0.4384235	0.5759418	0.5759418	turquoise
0.3671447	0.4238436	0.6672432	0.1219584	0.5148501	0.2963041	0.9245794	0.9245794	turquoise
0.8252294	0.7327809	0.7115154	0.5948328	0.7056116	0.8384555	0.7880866	0.7880866	turquoise
0.1773456	0.04776747	0.115283	0.6006569	0.7696673	0.4043379	0.00195259	0.00195259	blue
0.689282	0.08312613	0.255888	0.7813123	0.9604679	0.9753121	9.47E-05	9.47E-05	brown
0.1626561	0.590125	0.7301152	0.1790289	0.9526847	0.3185887	0.5989431	0.5989431	purple
0.8452639	0.07028606	0.1847097	0.3214512	0.7212234	0.6778925	0.00682141	0.00682141	grey
0.8122328	0.2725016	0.00094968	0.1687963	0.9868692	0.456125	0.02748269	0.02748269	turquoise
0.1074148	0.4127896	0.07304801	0.0200754	0.7237715	0.1196841	0.04244685	0.04244685	turquoise
0.7525777	0.6117625	0.9225543	0.1003878	0.4471038	0.4466902	0.142926	0.142926	black
0.4269562	0.3051056	0.8983846	0.1531604	0.8033976	0.1471127	0.00010025	0.00010025	brown
0.7059663	0.00135612	0.02919385	0.2081306	0.3760664	0.5670509	7.12E-05	7.12E-05	turquoise
0.5934059	0.02096361	0.00042192	0.1412767	0.8335082	0.03616741	0.07332509	0.07332509	turquoise
0.3470839	0.3271867	0.05882322	0.6681	0.7541903	0.2634032	0.00047138	0.00047138	blue
0.9508145	0.5802756	0.00355805	0.0619749	0.3533624	0.4481879	2.31E-21	2.31E-21	yellow
0.6459918	0.04229842	0.5439076	0.6169055	0.8388719	0.7598847	0.00122956	0.00122956	turquoise
0.334392	0.3012407	0.00466641	0.0609429	0.9208108	0.08150116	0.08336411	0.08336411	turquoise
0.215799	0.6006117	0.02296545	0.9444458	0.3035102	0.1691921	1.03E-11	1.03E-11	yellow
0.01571829	0.3182789	0.9968336	0.5329441	0.9179378	0.5276772	0.00174041	0.00174041	grey
0.7637737	0.03877688	0.9858367	0.5786561	0.6611089	0.1959135	0.2416963	0.2416963	grey
0.4847652	0.5271649	0.708065	0.4081615	0.8905652	0.3959581	0.00701678	0.00701678	grey
0.150482	0.6837952	0.0057074	0.0397648	0.5588568	0.1661654	0.00557739	0.00557739	grey
0.3135265	0.1305106	0.5944544	0.9723387	0.872845	0.9202016	0.9380961	0.9380961	grey60
0.5859528	0.4789524	0.5770372	0.9364947	0.6527813	0.8391857	0.00956284	0.00956284	turquoise
0.354532	0.137494	0.00120747	0.585231	0.9429904	0.5426258	1.43E-10	1.43E-10	magenta
0.4183622	0.7661061	0.2293513	0.2860228	0.9408362	0.1170023	0.7823073	0.7823073	lightyellow
0.01331339	0.03388226	0.04335756	0.3224084	0.8227387	0.5123392	0.6737952	0.6737952	grey
0.9011387	0.5627312	0.3068135	0.1275765	0.9828297	0.0231414	0.00263051	0.00263051	grey
0.09600644	0.1399329	0.01971747	0.8012286	0.6735872	0.9156632	5.11E-06	5.11E-06	turquoise
0.5586712	0.7600757	0.5559451	0.4935179	0.1879396	0.5885467	0.733923	0.733923	black
0.4964754	0.2731339	0.2350798	0.1959308	0.4028709	0.1902157	0.4489075	0.4489075	brown
0.9296175	0.1526201	0.1281768	0.546135	0.5402533	0.6185219	3.28E-05	3.28E-05	blue
0.5292605	0.5107331	0.7385719	0.891822	0.9254743	0.3273012	1.50E-06	1.50E-06	blue
0.1287509	0.2742322	0.5495457	0.1785045	0.8193621	0.02456927	0.03236408	0.03236408	turquoise
0.2645843	0.1898044	0.7362512	0.2730854	0.6234232	0.6954346	0.3054821	0.3054821	black
0.8475464	0.01044437	0.02196738	0.4615504	0.7230792	0.1041308	2.97E-07	2.97E-07	blue
0.6841258	0.678846	0.7086965	0.3485896	0.7993538	0.5119956	0.7918296	0.7918296	turquoise
0.8477301	0.2384718	0.07718166	0.0686791	0.4327242	0.9606819	0.01884215	0.01884215	green
0.3700183	0.1302935	0.5211542	0.2750862	0.1988474	0.4508085	0.00687039	0.00687039	grey
0.4426918	0.1943697	0.9903542	0.5741744	0.9324517	0.9384496	7.46E-06	7.46E-06	grey
0.840379	0.08626491	0.04106998	0.785846	0.3812093	0.7389281	0.4035202	0.4035202	blue
0.08242356	0.02022306	0.924036	0.3497296	0.953939	0.1731924	0.1102046	0.1102046	turquoise
0.5796137	0.07282096	0.3225749	0.6970476	0.299905	0.7031335	0.5306329	0.5306329	darkturquoise
0.4722618	0.00525498	0.7983126	0.2823835	0.156782	0.2238071	0.2082603	0.2082603	grey

0.09493649	0.1443601	0.3222649	0.737247	0.4500764	0.9316513	0.06274497	0.06274497	turquoise
0.2868143	0.6595557	0.5624244	0.7193983	0.7626792	0.3127918	0.7847937	0.7847937	grey
0.1147215	0.7759721	0.5590513	0.3590599	0.8392965	0.6470534	0.00178172	0.00178172	turquoise
1.28E-27	0.02288045	0.8514723	0.1567585	0.6556398	0.541721	0.6691324	0.6691324	grey
0.5152157	0.6747106	0.7181023	0.0279676	0.7641067	0.4897303	0.467496	0.467496	grey
0.2435376	0.1369274	0.6735893	0.3944578	0.7779843	0.6906182	0.00027266	0.00027266	turquoise
0.1559057	0.3223115	0.9625825	0.5755131	0.4245258	0.9124158	2.84E-06	2.84E-06	lightyellow
0.6761982	0.07383706	0.00108995	0.6406888	0.7011331	0.1328799	0.9343768	0.9343768	green
0.405784	0.0405695	0.1281834	0.6406908	0.8501912	0.824003	2.17E-06	2.17E-06	brown
0.05203188	0.05263491	0.1625616	0.9061118	0.590985	0.5670366	2.95E-05	2.95E-05	blue
0.2036678	0.2001708	0.8796208	0.34252	0.7520291	0.8167646	4.00E-06	4.00E-06	grey
0.9587563	0.5969342	0.2695413	0.6378026	0.9708744	0.7322104	0.00357813	0.00357813	blue
0.4572735	0.04941381	0.4642507	0.5557456	0.3396306	0.5754868	8.20E-07	8.20E-07	grey
0.873582	0.2935476	0.4053008	0.9651193	0.7239039	0.3878857	0.7343409	0.7343409	darkgrey
0.0856582	0.03360998	0.01652083	0.0064654	0.759583	0.01844351	0.3264248	0.3264248	grey
0.9050636	0.2027659	0.2092865	0.8350625	0.3651111	0.701205	0.1565831	0.1565831	grey
0.1322525	0.4783214	0.00295567	0.0401571	0.2958318	0.1051808	0.2752976	0.2752976	turquoise
0.0502728	0.4285768	0.5600157	0.0148378	0.2616354	0.7754961	0.8251372	0.8251372	grey
0.7509847	0.2019717	0.8309638	0.0304183	0.6508714	0.08405237	0.00033772	0.00033772	grey
0.9419545	0.01094377	0.06912226	0.5057309	0.5210676	0.8293805	0.00433227	0.00433227	blue
0.4194943	0.2520985	0.02179621	0.0328797	0.6659469	0.03892384	0.2095152	0.2095152	turquoise
0.6050569	0.03600817	0.5203427	0.7390767	0.8247319	0.8569675	0.0002257	0.0002257	royalblue
0.5107723	0.8900042	0.08866499	0.8020604	0.4806278	0.7691914	0.04996385	0.04996385	royalblue
0.6047164	0.2556725	0.08267998	0.7443212	0.1211054	0.4282389	0.2922873	0.2922873	blue
0.8811881	0.02440753	0.00192702	0.110988	0.9298569	0.4281243	4.00E-10	4.00E-10	brown
0.4256937	0.6117408	0.5377985	0.1440292	0.7335427	0.07523605	0.03779871	0.03779871	darkgreen
0.3006791	0.6490926	0.00432835	0.0956979	0.8420075	0.1252322	0.01603368	0.01603368	green
0.00952387	0.1322065	0.8155445	0.229054	0.09042585	0.5424723	0.2451	0.2451	turquoise
0.7943986	0.5567655	0.1094083	0.2552766	0.8208621	0.3515334	0.9491932	0.9491932	grey
0.7197482	0.00099297	0.08776054	0.2974296	0.8735473	0.32178	8.39E-09	8.39E-09	brown
0.1821085	0.05364965	0.9384763	0.6047086	0.5834643	0.9796955	0.1553388	0.1553388	grey
0.5842865	0.4444343	0.01164134	0.189842	0.2443092	0.1573145	0.003852	0.003852	brown
0.3610122	0.1886608	0.9738366	0.6741388	0.4821237	0.8317235	0.00974185	0.00974185	grey
0.701424	0.07962273	0.4762382	0.1286255	0.9034018	0.7817928	0.3335992	0.3335992	turquoise
0.7562102	0.9163073	0.6649133	0.6036893	0.7011749	0.4943861	0.184055	0.184055	grey
0.08613853	0.2744924	0.9003807	0.2452277	0.476391	0.6337046	0.6348626	0.6348626	turquoise
0.3940939	0.3730422	0.04169077	0.8557573	0.6561562	0.1204535	0.00156838	0.00156838	blue
0.9833303	0.5770645	0.01348583	0.5780326	0.7528831	0.01155323	0.0422518	0.0422518	turquoise
0.5151882	0.6304922	0.00644276	0.4440744	0.8323294	0.6459445	1.39E-05	1.39E-05	brown
0.04133399	0.1837092	0.1147491	0.1180859	0.5948564	0.06989723	0.01121204	0.01121204	darkgreen
0.9900116	0.02809259	0.00109279	0.1244809	0.663455	0.2196671	3.03E-15	3.03E-15	yellow
0.4063757	0.0414948	0.8435899	0.9631821	0.877186	0.4385997	1.26E-06	1.26E-06	blue
0.02195577	0.7374929	0.5208717	0.1465934	0.6733421	0.2190312	0.00162241	0.00162241	grey
0.5330202	0.3570951	0.5080031	0.2790224	0.1266367	0.05661013	0.1475353	0.1475353	purple
0.8605625	0.4704735	0.09653967	0.5337411	0.9275101	0.1827803	0.00209945	0.00209945	grey
0.4708751	0.0781462	0.4489296	0.2107488	0.1768678	0.6913914	0.0006111	0.0006111	brown
0.5969399	0.2824289	0.7308221	0.5842168	0.04765799	0.5044813	0.7013243	0.7013243	turquoise
0.2494532	0.522719	0.1098211	0.3812223	0.01689135	0.2770872	0.07188068	0.07188068	turquoise
0.2766615	0.4832839	0.5231094	0.7044779	0.7232872	0.9195415	0.00051438	0.00051438	grey
0.3016467	0.8724218	0.3062702	0.3007853	0.6623979	0.4695153	0.06503086	0.06503086	grey
0.9523546	0.8837864	0.7466016	0.554048	0.175565	0.2829097	0.03153272	0.03153272	turquoise
0.7401473	0.2471651	0.1630015	0.0832749	0.9614403	0.05038528	0.00653589	0.00653589	turquoise
0.9932142	0.05911956	0.9913676	0.7457788	0.5907084	0.4105094	7.28E-08	7.28E-08	blue
0.08210007	0.1461308	0.02376168	0.6819418	0.1169611	0.4078718	6.91E-10	6.91E-10	yellow
0.1189262	0.4476973	0.02127547	0.0254058	0.6070826	0.05034179	0.894168	0.894168	turquoise
0.9782425	0.2735589	0.08364636	0.7682812	0.8955175	0.6011961	0.2500136	0.2500136	grey
0.5252085	0.5312004	0.06664002	0.565904	0.09834589	0.4959434	2.85E-08	2.85E-08	grey
0.6711228	0.4728597	0.5003729	0.5781074	0.7222474	0.2178493	0.190387	0.190387	blue
0.09738499	0.04255182	0.5082787	0.9740579	0.4728391	0.2745081	4.56E-05	4.56E-05	turquoise
0.5854061	0.1551684	0.9499905	0.4176769	0.7902428	0.3491214	9.78E-06	9.78E-06	turquoise
0.1951915	0.6629992	0.03167843	0.9699807	0.8137178	0.8106023	0.04423578	0.04423578	pink

0.7466673	0.02048681	0.00300189	0.208624	0.6456677	0.9790304	6.69E-22	6.69E-22	brown
0.4832752	0.835083	0.9018765	0.5542376	0.912953	0.2835244	0.00014896	0.00014896	lightcyan
0.2331672	0.082125	0.2869919	0.1248823	0.7617888	0.917896	0.08611381	0.08611381	blue
0.2037122	0.1995275	0.2642161	0.7278614	0.5597465	0.9867102	3.54E-05	3.54E-05	blue
0.9708779	0.6286681	0.3571347	0.0785617	0.8816252	0.1439955	0.0443944	0.0443944	turquoise
0.1146126	0.6305561	0.2023161	0.9082796	0.738511	0.9487477	0.585723	0.585723	black
0.08828559	0.01670725	0.7205072	0.5851848	0.9988514	0.6924248	0.09964398	0.09964398	grey
0.2310191	0.7594773	0.6451716	0.6228003	0.9413503	0.779808	1.16E-05	1.16E-05	turquoise
0.1986819	0.3883152	0.4765368	0.7693476	0.8086535	0.7036186	0.05601832	0.05601832	black
0.3156952	0.3228052	0.2189879	0.5529278	0.8052209	0.8510987	0.01648123	0.01648123	turquoise
0.7768424	0.834185	0.03844274	0.5275732	0.08330736	0.8035627	0.00895503	0.00895503	brown
0.5238609	0.1847632	0.1867986	0.3348456	0.6618344	0.5818798	0.6116972	0.6116972	greenyellow
0.2368335	0.03830019	0.01956505	0.2759821	0.876447	0.08753919	0.9243213	0.9243213	turquoise
0.55175	0.7737436	0.04531532	0.1874105	0.05542368	0.00154177	0.03324734	0.03324734	turquoise
0.992715	0.00382263	0.06410201	0.6598249	0.2438938	0.1194922	8.16E-11	8.16E-11	blue
0.9515209	0.04651063	0.02066499	0.0598193	0.1934124	0.4247011	1.09E-07	1.09E-07	green
0.3899751	0.8208353	0.4792862	0.9370135	0.5702398	0.6832138	0.00123863	0.00123863	blue
0.5001578	0.1430372	0.08140163	0.3636778	0.5976379	0.03920258	0.00375756	0.00375756	turquoise
0.2781137	0.1480893	0.3661464	0.340496	0.5173162	0.0576978	0.00107807	0.00107807	blue
0.9420589	0.9883422	0.7279847	0.1765998	0.6986424	0.2370596	0.07527816	0.07527816	grey
0.6496509	0.1471641	0.00402514	0.9368637	0.5693273	0.1543099	0.246315	0.246315	grey
0.2472101	0.3738188	0.8447176	0.8707481	0.6024118	0.270961	0.1625455	0.1625455	grey
0.703355	0.2855486	0.06695354	0.5272921	0.4378122	0.4303548	9.77E-05	9.77E-05	magenta
0.2371534	0.2400489	0.492594	0.0751573	0.4490386	0.02013179	0.00379444	0.00379444	grey
0.2535851	0.4912194	0.0016755	0.0262487	0.3200048	0.0425725	0.1494481	0.1494481	grey
0.2818959	0.9169299	0.04990326	0.2322234	0.7434078	0.01911801	0.00441627	0.00441627	blue
0.3903428	0.00340127	0.1677035	0.999484	0.9100913	0.7443592	0.1400243	0.1400243	grey
0.1767783	0.1315603	0.5049421	0.9362628	0.3233257	0.4238353	0.04550489	0.04550489	turquoise
0.0418654	0.1821751	0.9544818	0.1274783	0.1185891	0.06940532	0.09431713	0.09431713	turquoise
0.5774406	0.9337692	0.00192381	0.0314	0.6550037	0.724707	1.28E-08	1.28E-08	brown
0.8658575	0.0129657	0.5664049	0.8075118	0.2550549	0.5831072	0.01785656	0.01785656	brown
0.07841006	0.1222911	0.01388137	0.8681834	0.3390862	0.1639977	0.00027237	0.00027237	darkorange
0.9683417	0.5997231	0.640855	0.3229519	0.4218121	0.2835723	0.00088547	0.00088547	blue
0.5771953	0.4740184	0.00076742	0.562541	0.4880024	0.03721484	0.03029377	0.03029377	turquoise
0.5049416	0.00474828	0.8536261	0.6235764	0.4108	0.7320517	5.03E-07	5.03E-07	turquoise
0.1485922	0.9948565	0.0580878	0.0401224	0.2293155	0.06831118	0.784428	0.784428	grey
0.5571997	0.00311564	0.342726	0.8605289	0.9992363	0.3049002	3.47E-11	3.47E-11	brown
0.5393531	0.1480731	0.8680402	0.0162873	0.449468	0.7638933	0.2974324	0.2974324	blue
0.00456165	0.4915879	0.01857519	0.9251395	0.4328984	0.4271053	1.65E-07	1.65E-07	grey
0.9289162	0.03221075	0.1718367	0.3663141	0.7369592	0.7407502	3.00E-17	3.00E-17	brown
0.6680153	0.1622625	0.6391303	0.90377	0.6630099	0.7208574	0.6084616	0.6084616	grey
0.04937539	0.5374516	0.06513308	0.9432654	0.8561377	0.9798011	0.9575478	0.9575478	grey
0.8763182	0.4635492	0.5033681	0.6185833	0.1608983	0.2580908	0.02406743	0.02406743	turquoise
0.9183866	0.8026264	0.3398286	0.8217718	0.5593721	0.8403529	0.06897243	0.06897243	blue
0.5008106	0.09155788	0.2221876	0.8994171	0.1357881	0.6785959	4.35E-07	4.35E-07	blue
0.1338425	0.3854331	0.00059876	0.1321822	0.5576137	0.08782141	0.07075806	0.07075806	turquoise
0.4926837	0.2319679	0.2021951	0.417318	0.5694709	0.4986088	9.91E-05	9.91E-05	blue
0.6218636	0.2700364	0.2290048	0.0808977	0.9779548	0.7075712	0.9669213	0.9669213	grey
0.8811018	0.6348097	0.6117416	0.704887	0.7881264	0.4237359	0.1760131	0.1760131	black
0.2633678	0.3632422	0.5219495	0.918738	0.8864541	0.8296539	0.5805172	0.5805172	black
0.1483709	0.00387428	0.3250891	0.36782	0.2902123	0.4744943	0.00066221	0.00066221	tan
0.671125	0.3902673	0.04052007	0.15497	0.8760644	0.4052765	0.00877326	0.00877326	grey
0.2284077	0.00319632	0.9355592	0.4460987	0.5681374	0.2352349	0.1172948	0.1172948	greenyellow
0.2832359	0.9711541	0.2470754	0.4719844	0.969501	0.05519334	0.3791507	0.3791507	red
0.6232053	0.4435848	0.8116734	0.7527732	0.6120744	0.2067098	0.3610533	0.3610533	pink
0.1330556	0.01242209	0.05047132	0.2451664	0.08692841	0.4520117	0.1184046	0.1184046	turquoise
0.4157967	0.6885275	0.778015	0.2156944	0.8951071	0.5273878	9.86E-05	9.86E-05	red
0.9798362	0.7502765	0.495523	0.1138381	0.1061286	0.3757762	0.2593319	0.2593319	turquoise
0.4482637	0.246214	0.07034928	0.8784313	0.7868512	0.08610826	0.3320725	0.3320725	turquoise
0.1082493	0.8347088	0.6179622	0.4637061	0.6057194	0.9287201	0.2708676	0.2708676	grey
0.6042543	0.948041	0.5889422	0.7276272	0.2758351	0.6864161	0.5387763	0.5387763	grey

0.1441066	0.6218021	0.0705617	0.5461771	0.6760645	0.205678	0.8622979	0.8622979	blue
0.3865691	0.7133006	0.5943494	0.8043492	0.5264452	0.4190229	0.09077314	0.09077314	grey
0.08339027	0.1390759	0.6280928	0.2199142	0.3074234	0.862369	0.00033652	0.00033652	grey
0.2123422	0.4266483	0.00295901	0.0335594	0.9893541	0.03449064	0.00829216	0.00829216	turquoise
0.2615712	0.1224338	0.00963378	0.857129	0.3644871	0.4442718	0.4697879	0.4697879	green
0.1049016	0.5939412	0.4811216	0.6144967	0.1061759	0.2236465	0.676518	0.676518	turquoise
0.9111193	0.3654526	0.178647	0.1498682	0.8827563	0.4881071	0.168083	0.168083	grey
0.04047331	0.3381893	0.7552493	0.9532901	0.8144652	0.5102893	0.5040374	0.5040374	darkorange
0.26561	0.6326055	0.2119862	0.5579116	0.5267796	0.2468435	6.12E-08	6.12E-08	blue
0.9997628	0.1634507	0.1780648	0.2844727	0.9720567	0.0045962	0.115199	0.115199	grey
0.00446486	0.3502167	0.7037386	0.6537205	0.4294826	0.4300296	0.7211477	0.7211477	royalblue
0.9166054	0.9005062	0.414017	0.2888105	0.9809332	0.04027252	0.00103046	0.00103046	blue
0.02313233	0.09508099	0.4743326	0.1833429	0.4200087	0.8636441	0.01717181	0.01717181	blue
0.4982157	0.745269	7.08E-05	0.0397757	0.5595528	0.2156806	4.78E-06	4.78E-06	magenta
0.01408956	0.02721427	0.5535432	0.3086314	0.8875169	0.6651121	0.1052508	0.1052508	grey
0.118068	0.1348955	0.3345007	0.0598899	0.7925755	0.2880731	0.00083409	0.00083409	lightyellow
0.01728348	0.05559829	0.01649841	0.7406563	0.4124354	0.2149428	0.00014184	0.00014184	blue
0.3452948	0.370195	0.2159308	0.489942	0.7341683	0.6085814	5.79E-06	5.79E-06	black
0.3188224	0.8500623	0.2959003	0.0899262	0.525216	0.08820226	0.4218813	0.4218813	turquoise
0.69956	0.2307491	0.00389999	0.3540143	0.6974077	0.5032178	5.08E-05	5.08E-05	grey
0.5584682	0.9146383	0.00024199	0.0703867	0.2105461	0.01289244	0.1720824	0.1720824	blue
0.3555948	0.05316482	0.2985987	0.4733121	0.9953988	0.1705964	1.58E-08	1.58E-08	blue
0.6342357	3.27E-05	0.06170945	0.3047474	0.4181788	0.1369997	1.66E-12	1.66E-12	brown
0.1115404	0.391245	0.0487419	0.3084361	0.9074573	0.08231986	4.08E-05	4.08E-05	blue
0.8036154	0.02313379	0.6899753	0.8000853	0.7797884	0.4435773	0.03854538	0.03854538	blue
0.2799131	0.5323194	0.2762804	0.9578538	0.8270145	0.1517497	0.00261027	0.00261027	blue
0.7421099	0.3125691	0.0094665	0.1485373	0.670615	0.0671482	0.01146883	0.01146883	turquoise
0.2177722	0.5360396	0.08050885	0.0276244	0.3753998	0.03388156	0.5386147	0.5386147	lightcyan
0.4246948	0.02915962	0.2661797	0.6237126	0.9268394	0.4268059	0.9114827	0.9114827	grey
0.9940901	0.08902844	0.2348739	0.8878011	0.4123935	0.6859395	5.63E-10	5.63E-10	blue
0.3264824	0.06910595	0.06911901	0.8368409	0.6194611	0.430965	7.14E-08	7.14E-08	grey
0.8695148	0.6519336	0.3440993	0.1364308	0.8513282	0.9887391	0.00552862	0.00552862	blue
0.7248405	0.09912602	0.00827375	0.2643823	0.9452077	0.4064408	0.00044324	0.00044324	grey
0.7644916	0.4206949	0.00035351	0.0245995	0.741987	0.2476309	0.1203285	0.1203285	turquoise
0.2082462	0.11164	0.4325506	0.3117426	0.9822256	0.2221395	0.00097999	0.00097999	grey
0.8945496	0.7505235	0.6463036	0.7063698	0.2699322	0.7580129	0.1056783	0.1056783	blue
0.9165771	0.2093558	0.7942255	0.6153495	0.3363322	0.5144375	3.30E-06	3.30E-06	grey
0.7574872	0.1084218	0.6689419	0.8829657	0.9883476	0.8317123	3.45E-06	3.45E-06	yellow
0.9595496	0.7152839	0.03030194	0.4115967	0.7809334	0.5109943	0.02167698	0.02167698	turquoise
0.4430801	0.5971224	0.7105023	0.7133574	0.6069131	0.9438381	1.77E-14	1.77E-14	yellow
0.7062297	0.9271828	0.9116687	0.0839322	0.3860638	0.2019284	0.8438691	0.8438691	grey
0.4636092	0.6201928	0.9953255	0.8736002	0.8928275	0.9700049	0.02620886	0.02620886	grey
0.01144641	0.5025653	0.0363602	0.5607591	0.6862058	0.2401377	0.1727283	0.1727283	blue
0.1049915	0.9569658	0.8110271	0.4644955	0.8989427	0.4548419	0.00013918	0.00013918	grey
0.4559248	0.0596317	0.5709859	0.6404114	0.733182	0.2261624	3.15E-05	3.15E-05	blue
0.8058931	0.625245	0.5711501	0.1835542	0.3642535	0.1205436	0.04340795	0.04340795	turquoise
0.7104709	0.1436774	0.06994804	0.1151296	0.7224145	0.4379931	0.1233594	0.1233594	grey
0.4812831	0.3283901	0.01192094	0.1550813	0.1342161	0.00505958	0.6076829	0.6076829	turquoise
0.4435169	0.00824212	0.0902035	0.2964897	0.7091934	0.5230889	0.01268484	0.01268484	turquoise
0.5065716	0.02767862	0.04804773	0.8335552	0.5383995	0.6707514	1.12E-15	1.12E-15	brown
0.5533803	0.5482227	0.04101024	0.6890984	0.9252304	0.5213776	0.289137	0.289137	turquoise
0.3359776	0.811791	0.0002408	0.7934998	0.914846	0.1962396	0.6708202	0.6708202	turquoise
0.00747026	0.06177609	0.5298957	0.063697	0.3245731	0.6134175	0.2497472	0.2497472	grey
0.2864134	0.741635	0.152864	0.5597422	0.7529709	0.9029838	0.00032974	0.00032974	turquoise
0.8333531	0.213237	0.2941382	0.3313414	0.9549461	0.05741308	0.01002083	0.01002083	turquoise
0.8356074	0.00058908	0.01243942	0.2973151	0.2995493	0.06642239	3.25E-06	3.25E-06	grey
0.2127913	0.1119154	0.7384988	0.3346664	0.6558066	0.2308448	0.00130227	0.00130227	turquoise
0.5515323	0.124293	0.9879981	0.5146023	0.1732845	0.226322	0.7183393	0.7183393	pink
0.3190037	0.8558664	0.01596094	0.19706	0.5398147	0.0503157	0.0435013	0.0435013	turquoise
0.5838461	0.3834609	0.00305205	0.097639	0.6823994	0.5730798	0.03526535	0.03526535	green
0.09403088	0.06414603	0.2636297	0.583322	0.7831012	0.475898	1.71E-06	1.71E-06	grey

0.01262683	0.03196594	0.08746882	0.9740909	0.9920445	0.9035469	0.8228285	0.8228285	red
0.04161281	0.3790735	0.743704	0.3058248	0.4172132	0.5333286	0.2237482	0.2237482	grey
0.4519165	0.3421279	0.2452275	0.5823234	0.4235817	0.4961592	6.21E-10	6.21E-10	brown
0.00395843	0.9891556	0.5341957	0.2537943	0.6867782	0.9015404	0.04279122	0.04279122	royalblue
0.8453382	0.3737989	0.00259474	0.1040526	0.1083047	0.123083	5.51E-05	5.51E-05	turquoise
0.9093207	0.5457623	0.1458514	0.948267	0.8562468	0.3559271	0.1432335	0.1432335	turquoise
0.8375835	0.5668347	0.2689529	0.8044913	0.5322376	0.1121886	0.00016121	0.00016121	blue
0.5957751	0.06663739	0.4364959	0.5007938	0.9685525	0.8640761	0.00128177	0.00128177	turquoise
0.04811413	0.1399379	0.8405446	0.0871867	0.03813123	0.572196	0.4652535	0.4652535	grey
0.7261131	0.01353894	0.0884516	0.7955222	0.8703965	0.1906475	0.3810305	0.3810305	grey
0.7696548	0.3831404	0.361353	0.7476617	0.4851542	0.5985165	0.2366186	0.2366186	grey
0.4350499	0.00265565	0.0111282	0.2647811	0.06541361	0.6885899	9.21E-18	9.21E-18	brown
0.9776962	0.1397041	0.7357408	0.8149587	0.9672769	0.5186985	0.01727506	0.01727506	grey
0.6977087	0.2647727	0.05419641	0.4814894	0.5608661	0.2914114	0.01387844	0.01387844	turquoise
0.5012635	0.5153365	0.586457	0.2360065	0.1652675	0.2693612	0.00056126	0.00056126	grey
0.1102261	0.2326225	0.07562162	0.3950366	0.991137	0.8033218	0.0001338	0.0001338	blue
0.00949178	0.596947	0.01797754	0.1080017	0.4523344	0.05033281	0.3033033	0.3033033	turquoise
0.03438023	0.3706021	0.9709543	0.564672	0.4655257	0.6510384	0.6277811	0.6277811	greenyellow
0.9499612	0.00224153	0.04222489	0.6930376	0.9060361	0.6749371	1.34E-13	1.34E-13	yellow
0.1498549	0.6146968	0.1993794	0.385317	0.1705737	0.761573	6.63E-08	6.63E-08	blue
0.2865593	0.8739551	0.07617531	0.3445017	0.2776511	0.04532591	0.5267628	0.5267628	turquoise
0.829913	0.5694449	0.5430953	0.3121482	0.4492738	0.6353676	0.02144911	0.02144911	blue
0.01871109	0.3363835	0.2134745	0.4197998	0.9461604	0.3609226	0.07950383	0.07950383	grey
0.1473775	0.7415624	0.03432273	0.2941408	0.5479508	0.6470597	0.08821997	0.08821997	turquoise
0.3584959	0.6736097	0.0045349	0.1667827	0.04243229	0.02104817	0.00203361	0.00203361	turquoise
0.3587781	0.9077967	0.0526532	0.3717628	0.2694852	0.04987465	0.6706912	0.6706912	turquoise
0.4504688	0.4999085	0.02436048	0.0926288	0.8424761	0.2057425	0.01480278	0.01480278	turquoise
0.3640341	0.9369175	0.4104472	0.4497468	0.3839594	0.1487919	0.06017511	0.06017511	turquoise
0.1049316	0.9095839	0.184199	0.526857	0.5998274	0.6751039	0.2485821	0.2485821	grey60
0.10484	0.6355126	0.3416245	0.3752345	0.5488838	0.6168289	9.50E-05	9.50E-05	grey
0.03837847	0.4953126	0.00669633	0.5172243	0.623866	0.4344246	0.04329143	0.04329143	green
0.3435561	0.3976418	0.2046821	0.4760469	0.3019184	0.4702376	6.62E-06	6.62E-06	blue
0.5674553	0.678768	0.02207321	0.5351514	0.777112	0.7713036	4.43E-08	4.43E-08	yellow
0.04277545	0.7574008	0.8774873	0.7269802	0.5332565	0.2474279	1.22E-07	1.22E-07	yellow
0.506663	0.07600059	0.9282716	0.2431017	0.732752	0.5849652	0.5050884	0.5050884	black
0.4389794	0.00279696	0.06241843	0.9170438	0.4917793	0.9870562	4.45E-13	4.45E-13	brown
0.1944401	0.4381556	0.4017312	0.2865735	0.9992074	0.0706136	0.00528412	0.00528412	grey
0.2144432	0.4183387	0.00716262	0.0109988	0.7609464	0.05649924	0.3744224	0.3744224	turquoise
0.8724527	0.01030733	0.6078551	0.3989332	0.6378844	0.7044158	4.86E-10	4.86E-10	brown
0.00866352	0.08957271	0.1922071	0.0757175	0.4634058	0.9110174	0.03823499	0.03823499	grey
0.3599931	0.3102669	0.4230016	0.2887661	0.589891	0.2928103	0.00472089	0.00472089	turquoise
0.1301676	0.3473814	0.7303528	0.8078948	0.413217	0.8883235	0.2091179	0.2091179	orange
0.3207601	0.4360758	0.6107356	0.0954107	0.5287799	0.5486284	0.1957251	0.1957251	black
0.2532316	0.00315617	0.8150397	0.1254603	0.4455106	0.2903251	0.2273846	0.2273846	turquoise
0.4473784	0.733643	0.2691735	0.409417	0.02473516	0.1724185	0.00027602	0.00027602	turquoise
0.8532272	0.04324153	0.00407122	0.0705531	0.5390033	0.2163072	0.2987472	0.2987472	turquoise
0.646387	0.1710554	0.03645646	0.4025608	0.7706185	0.7054015	0.00475191	0.00475191	brown
0.2896208	0.6388623	0.6834644	0.4330552	0.8130684	0.6730079	0.5998599	0.5998599	blue
0.7051481	0.09019981	0.7569851	0.8308355	0.7213567	0.138834	0.03129107	0.03129107	blue
0.09465735	0.501288	0.9288471	0.1985138	0.8959184	0.5208705	0.04052862	0.04052862	grey
0.181993	0.7046644	0.06252493	0.7665395	0.8765805	0.3908518	0.2746718	0.2746718	red
0.1411203	0.3092823	0.544503	0.4197124	0.4159857	0.781112	0.4733555	0.4733555	grey
0.936291	0.2121275	0.3654781	0.5926187	0.4106354	0.6224989	0.00159363	0.00159363	tan
0.4941224	0.8227364	0.3376925	0.3567888	0.4261501	0.4435283	0.0910195	0.0910195	grey
0.7128911	0.2485404	0.2064119	0.9711398	0.9711753	0.3643461	7.36E-08	7.36E-08	brown
0.8028115	0.2532402	0.6987803	0.3426331	0.8349505	0.4792793	0.3664014	0.3664014	turquoise
0.112308	0.9499894	0.8137328	0.5904557	0.1897819	0.9169887	0.1483747	0.1483747	red
0.144986	0.4932594	0.02330187	0.3636459	0.8304158	0.4286819	0.00670419	0.00670419	grey
0.9622764	0.9018756	0.00877905	0.3653019	0.7369471	0.403315	0.7294713	0.7294713	turquoise
0.3254069	0.5469499	0.4932347	0.5545567	0.6112446	0.1671177	0.6788633	0.6788633	turquoise
0.336832	0.877767	0.06436281	0.8297477	0.4351078	0.2500976	0.0594902	0.0594902	turquoise

0.05328884	0.0830176	0.00169056	0.2049269	0.1466326	0.0063345	0.2489462	0.2489462	grey
0.4953614	0.05532436	0.2080763	0.2701843	0.6075256	0.7551495	5.58E-05	5.58E-05	turquoise
0.1226422	0.4038973	0.3291975	0.3745381	0.6342165	0.2022114	0.47067	0.47067	turquoise
0.1853748	0.02669913	0.2956427	0.6906231	0.3173377	0.5380073	0.03112619	0.03112619	grey
0.2819179	0.8560886	0.02875145	0.5007366	0.9331522	0.05193783	7.61E-05	7.61E-05	blue
0.5793517	0.02078876	0.1082391	0.3167756	0.4451891	0.0250843	0.00190099	0.00190099	grey
0.05614354	0.2685012	0.6261469	0.7058186	0.6096478	0.9601279	0.2403961	0.2403961	blue
0.3995228	0.05679845	0.2513524	0.927869	0.3896636	0.8744158	0.0001054	0.0001054	grey
0.6378623	0.913395	0.1401892	0.6605146	0.5534931	0.1874203	0.4571555	0.4571555	turquoise
0.7912562	0.7416981	0.9606133	0.9560394	0.7839278	0.805304	0.3276061	0.3276061	grey
0.4227627	0.08395115	0.00062679	0.9624931	0.9420015	0.8123254	1.59E-15	1.59E-15	brown
0.9982611	0.5296965	0.3475718	0.6919943	0.2195172	0.5380654	0.7768373	0.7768373	grey
0.6549809	0.347914	0.5451202	0.3111213	0.4812715	0.6588904	0.225757	0.225757	brown
0.6198718	0.00122324	0.2953803	0.5588282	0.7699741	0.8747129	0.00832197	0.00832197	grey
0.7949916	0.1389036	0.2556423	0.5089864	0.2314923	0.2827551	0.00030065	0.00030065	red
0.3350269	0.4515732	0.1152474	0.2752783	0.6810233	0.8321055	0.6424353	0.6424353	turquoise
0.8665843	0.01468489	0.07573557	0.4533213	0.04028953	0.02610259	0.00011825	0.00011825	blue
0.3630809	0.514431	0.2829277	0.2486249	0.7733332	0.2314014	0.7385462	0.7385462	blue
0.4878062	0.05724262	0.00732418	0.0816372	0.4447012	0.2063504	0.00054236	0.00054236	grey
0.7749064	0.1372704	0.8222141	0.68449	0.7420886	0.1508105	0.1292105	0.1292105	turquoise
0.2430927	0.3181549	0.05126498	0.301456	0.4113838	0.6753666	0.6325708	0.6325708	grey
0.3838248	0.7801841	0.02325581	0.2557047	0.396752	0.1579994	0.6989363	0.6989363	grey
0.1671988	0.8246642	0.02947232	0.2917439	0.5830115	0.4481215	0.4003425	0.4003425	turquoise
0.9294017	0.04743554	0.9891052	0.4019495	0.3376996	0.6449783	0.00281107	0.00281107	blue
0.6610969	0.1340289	0.1751473	0.9792389	0.3378152	0.02500686	0.3422031	0.3422031	grey
0.5264918	0.01445586	0.1834913	0.4212769	0.8132367	0.8927385	2.21E-10	2.21E-10	brown
0.3022498	0.8812462	0.1100382	0.453502	0.3230993	0.7758708	0.3441101	0.3441101	turquoise
0.3184608	0.1706436	0.2582564	0.1645274	0.3017656	0.3887372	0.02032136	0.02032136	salmon
0.4077966	0.3981315	0.09542449	0.4854428	0.7384198	0.377677	0.3746208	0.3746208	grey
0.7264383	0.1894406	0.2278631	0.8652146	0.6205594	0.9923425	0.3740655	0.3740655	grey
0.8439136	0.1687562	0.1070801	0.2529694	0.8242761	0.1004686	4.24E-05	4.24E-05	turquoise
0.5768749	0.13248	0.1788296	0.3639224	0.7304525	0.8290238	0.05673333	0.05673333	black
0.8928192	0.02058236	0.1495175	0.167835	0.727287	0.7174956	9.77E-07	9.77E-07	brown
0.17803	0.00029094	0.9538495	0.9326119	0.07621767	0.3788502	0.03964142	0.03964142	grey
0.04493406	0.01021974	0.9711828	0.4639052	0.2297744	0.188292	1.11E-05	1.11E-05	grey
0.05755152	0.113325	0.06299075	0.4331396	0.3479232	0.5127183	0.3720896	0.3720896	blue
0.00146745	0.87403	0.09639933	0.2148297	0.7439729	0.2846291	0.02274009	0.02274009	grey60
0.06822729	0.2767407	0.7671765	0.4427742	0.1894916	0.1525397	5.70E-05	5.70E-05	turquoise
0.8101021	0.1241487	0.4031666	0.3061493	0.88474	0.5826654	0.7112526	0.7112526	turquoise
0.987258	0.125405	0.1820319	0.7647158	0.186459	0.4015423	0.02801206	0.02801206	blue
0.128052	0.3546266	0.00324176	0.251792	0.3097543	0.9608296	0.3489924	0.3489924	grey
0.2500073	0.7702859	0.1306102	0.5686063	0.747374	0.4804131	0.1997338	0.1997338	blue
0.1650988	0.5661063	0.04968282	0.0056292	0.7891119	0.1080897	0.7821838	0.7821838	grey
0.0720965	0.6035509	0.9451647	0.4644272	0.104933	0.5408426	0.5108262	0.5108262	grey
0.1623822	0.8525393	0.3866231	0.5074193	0.3866962	0.7976901	0.6298019	0.6298019	grey
0.3419509	0.1980159	0.1407138	0.7081849	0.7499024	0.3331619	0.00232857	0.00232857	grey
0.7378867	0.03827361	0.08174245	0.4007492	0.1137454	0.5174652	0.4778179	0.4778179	turquoise
0.2096494	0.9376167	0.1528055	0.1975208	0.02914591	0.2203632	0.4359774	0.4359774	green
0.4151703	0.09551927	0.3495231	0.5804771	0.986437	0.4121445	0.00089237	0.00089237	turquoise
0.6204078	0.00023457	0.00034574	0.0508129	0.6084978	0.987794	6.89E-27	6.89E-27	brown
0.2915126	0.3718675	0.4339907	0.7238185	0.5689342	0.4066223	0.4931319	0.4931319	grey
0.1029236	0.3884097	0.9402639	0.9199968	0.6223248	0.5944892	0.9780273	0.9780273	turquoise
0.90335	0.02149688	0.264433	0.2680931	0.9218335	0.1349037	0.00669415	0.00669415	turquoise
0.04882438	0.440525	0.614707	0.5930754	0.5224567	0.7729053	0.03762658	0.03762658	grey
0.8803778	0.2358025	0.3433881	0.6233085	0.8098489	0.7866919	0.2313231	0.2313231	grey
0.1215547	0.6076604	0.3901013	0.8539279	0.9861648	0.2700867	0.00036431	0.00036431	blue
0.4750537	0.07517067	0.09394179	0.1847208	0.6382477	0.3737661	0.00055772	0.00055772	brown
0.2449407	0.4162838	0.160349	0.3860198	0.4625098	0.1841693	0.00034143	0.00034143	blue
0.6303652	0.5537305	0.1440513	0.3012138	0.4792848	0.04221169	0.0953025	0.0953025	turquoise
0.2258126	0.1791234	0.4963071	0.9911714	0.8700279	0.2565464	0.5190984	0.5190984	turquoise
0.3318582	0.01456937	0.01352624	0.7626666	0.5633844	0.6574257	2.98E-07	2.98E-07	grey

0.2649214	0.8660792	0.5964761	0.8978877	0.8982493	0.8619907	0.5865917	0.5865917	grey
0.01429187	0.09624906	0.1858442	0.1272019	0.1600822	0.9166444	0.01804506	0.01804506	grey
0.0071721	0.9591312	0.95309	0.2104683	0.2073912	0.8337321	0.00078521	0.00078521	grey
0.7738039	0.3787896	0.3112392	0.0520987	0.4839961	0.5453675	0.5701252	0.5701252	turquoise
0.3662061	0.07895053	0.286357	0.1291103	0.2776998	0.04700568	0.00314183	0.00314183	grey
0.05075865	0.2072159	0.904974	0.2608491	0.3815275	0.3255123	0.00291045	0.00291045	grey
0.6089085	0.7066808	0.02798923	0.7760475	0.6439599	0.6416309	2.03E-22	2.03E-22	yellow
0.03502008	0.1188075	0.2097032	0.1961889	0.8780658	0.02572266	8.19E-06	8.19E-06	turquoise
0.6083537	0.00010316	0.03198941	0.5621394	0.5208992	0.2422264	2.21E-05	2.21E-05	grey
0.01623246	0.3221995	0.3621728	0.5657161	0.50645	0.3831864	0.4427979	0.4427979	grey
0.1946254	0.3170752	0.00161312	0.7504859	0.8458521	0.3389746	0.7171612	0.7171612	tan
0.7709185	0.4440629	0.2527814	0.2172399	0.870293	0.8829854	0.06123153	0.06123153	grey
0.8464206	0.05612315	0.00233184	0.1135463	0.3432544	0.5533857	1.45E-23	1.45E-23	brown
0.05166206	0.3600273	0.00065072	0.1379244	0.6716364	0.03901015	0.4704084	0.4704084	turquoise
0.7783472	0.2921702	0.00729878	0.0035707	0.5665313	0.01774215	0.05082118	0.05082118	turquoise
0.3056623	0.8528027	0.302658	0.6607366	0.2991104	0.5572513	0.3996212	0.3996212	turquoise
0.2485413	0.00726972	0.7257963	0.5027227	0.09445537	0.4009991	0.02501732	0.02501732	grey
0.2762121	0.1752903	0.1547594	0.8083011	0.718317	0.7479953	0.9314046	0.9314046	grey
0.3662172	0.00017418	0.00231727	0.1017704	0.528563	0.8063712	7.97E-07	7.97E-07	yellow
0.6924318	0.04670554	0.3570616	0.882152	0.884408	0.6290901	0.0708866	0.0708866	grey
0.1286528	0.6124226	0.296262	0.4343831	0.4885434	0.3877159	0.1606617	0.1606617	lightcyan
0.1143715	0.2668885	0.5941283	0.0468714	0.8454083	0.169157	0.03013909	0.03013909	grey
0.6842717	0.0823158	0.0969936	0.2412425	0.05195773	0.3224697	3.48E-16	3.48E-16	brown
0.9988777	0.02212501	0.01317694	0.5156406	0.4986824	0.4832308	3.85E-21	3.85E-21	brown
0.610432	0.9077073	0.8801364	0.5182921	0.7290243	0.7204972	0.4134957	0.4134957	turquoise
0.4426803	0.3499517	0.4615924	0.2077747	0.06023992	0.3575742	0.3501106	0.3501106	grey
0.6136154	0.08355154	0.6901888	0.7360196	0.7450945	0.7387144	6.33E-05	6.33E-05	turquoise
0.6067075	0.4981334	0.5872026	0.2012953	0.397872	0.1800277	0.00425545	0.00425545	grey
0.5512405	0.2301466	0.6989044	0.7383132	0.375476	0.2195877	0.00661507	0.00661507	turquoise
0.9499404	0.4591688	0.4754238	0.7258284	0.4251098	0.4529517	0.3992667	0.3992667	blue
0.3716153	0.7419232	0.1830289	0.9235475	0.9488124	0.397636	0.3379738	0.3379738	grey
0.07654427	0.1513006	0.6204797	0.0336811	0.4162677	0.1256106	0.0032372	0.0032372	grey
0.2689947	0.6722195	0.320521	0.0702777	0.8429626	0.1693307	0.02888766	0.02888766	turquoise
0.5126876	0.07825621	0.05025807	0.4559082	0.1066001	0.2578919	3.94E-05	3.94E-05	brown
0.3939504	0.1748259	0.1230686	0.5523257	0.8724003	0.689964	0.00887754	0.00887754	blue
0.7305155	0.8601624	0.0130307	0.4896568	0.7644517	0.0102085	0.01300169	0.01300169	turquoise
0.8531805	0.02685686	0.1903934	0.592566	0.6985411	0.08889404	0.3969256	0.3969256	grey
0.5196189	0.3743961	0.5670784	0.7864196	0.4186752	0.1631514	0.751478	0.751478	grey
0.5847853	0.123089	0.4738976	0.2519032	0.9576953	0.04273399	0.00564322	0.00564322	turquoise
0.7017083	0.6498781	0.07671935	0.9587051	0.7851653	0.527259	2.93E-05	2.93E-05	tan
0.7964741	0.09824741	0.09967278	0.3995916	0.4317641	0.06379702	1.05E-06	1.05E-06	yellow
0.9777753	0.5393171	0.07835695	0.7125284	0.9221844	0.8491889	6.59E-12	6.59E-12	yellow
0.5777361	0.5727231	0.5113523	0.2729256	0.5056572	0.4534874	0.0100762	0.0100762	grey
0.7077752	0.6248681	0.2670786	0.1864358	0.927132	0.3173698	0.2113497	0.2113497	turquoise
0.912597	0.4158824	0.2964748	0.2479983	0.8080173	0.8590432	0.03511892	0.03511892	blue
0.4025817	0.9660373	0.4796947	0.4410806	0.9247417	0.822549	0.9780361	0.9780361	blue
0.290185	0.08922974	0.00104734	0.5642336	0.8926177	0.3059448	0.9869188	0.9869188	tan
0.5459351	0.9844931	0.1334607	0.8369732	0.2457905	0.1576634	0.09825772	0.09825772	blue
0.2833744	0.09418542	0.2886342	0.8692537	0.6343783	0.2703332	0.7906087	0.7906087	blue
0.2357016	0.6637902	0.03351872	0.407383	0.2148191	0.09780626	0.0007269	0.0007269	green
0.066661	0.8992604	0.02202748	0.7522089	0.8876704	0.4686437	0.04722976	0.04722976	blue
0.00101807	0.2294555	0.7979532	0.0291591	0.08960896	0.538422	0.7262354	0.7262354	grey
0.07699296	0.1524851	0.1101502	0.4858038	0.8720608	0.03947709	8.29E-05	8.29E-05	blue
0.4626066	0.08884679	0.8122136	0.7111665	0.8901633	0.5525429	0.00238551	0.00238551	blue
0.09619969	0.2530185	0.7274581	0.2478697	0.7544172	0.1203032	0.8815665	0.8815665	turquoise
0.06321363	0.2048274	0.2197096	0.9380398	0.1405065	0.5499533	0.458988	0.458988	grey
0.636037	0.5928313	0.1027653	0.0790878	0.8657952	0.7314538	0.2969719	0.2969719	grey
0.2361356	0.1373287	0.07396363	0.3188695	0.1342496	0.2220258	0.03402416	0.03402416	turquoise
0.2555896	0.03253853	0.3066515	0.8874824	0.677264	0.9233776	0.9211987	0.9211987	darkorange
0.7172054	0.1511769	0.3031253	0.0920699	0.4733334	0.3031938	0.00039888	0.00039888	salmon
0.03728153	0.79629	0.743423	0.0748406	0.5953217	0.5457354	0.04709968	0.04709968	blue

0.6961308	0.05608341	0.04707186	0.6433579	0.4462526	0.4898096	0.00031259	0.00031259	blue
0.09591071	0.9204828	0.1160742	0.3561811	0.5228743	0.5428852	0.6792899	0.6792899	greenyellow
0.542199	0.6653518	0.5994474	0.9952879	0.1822172	0.6589786	0.2473664	0.2473664	blue
0.131012	0.04249701	0.07431922	0.517376	0.7239195	0.3153797	0.1076524	0.1076524	turquoise
0.2793789	0.09898728	0.00078016	0.3705016	0.7744872	0.04636566	0.02541049	0.02541049	blue
0.7143299	0.00248904	0.1146942	0.6222002	0.2904105	0.8902652	1.09E-15	1.09E-15	yellow
0.9423602	0.06032767	0.07067538	0.5185371	0.8234663	0.7772956	3.70E-16	3.70E-16	brown
0.1781821	0.5215617	0.09464518	0.4786061	0.720022	0.2392252	2.51E-13	2.51E-13	yellow
0.4029805	0.4989844	0.00517571	0.1121487	0.2333335	0.4789105	0.00200194	0.00200194	brown
0.7262248	0.06763044	0.9083315	0.7152719	0.8988565	0.3864907	0.2873428	0.2873428	blue
0.5404759	0.2532063	0.01487606	0.6558898	0.3093094	0.00933485	0.1430963	0.1430963	green
0.4333972	0.03163978	0.8904794	0.0471545	0.6434988	0.3543849	5.04E-07	5.04E-07	turquoise
0.5293949	0.9333675	0.05917253	0.7709239	0.3308042	0.9021133	0.01036637	0.01036637	grey
0.1854486	0.2647928	0.6954934	0.6917655	0.6550397	0.3885626	0.00011379	0.00011379	turquoise
0.2991859	0.1429631	0.6279712	0.1839611	0.7867041	0.9491291	0.02017882	0.02017882	grey
0.4464938	0.4223703	0.2420873	0.3008556	0.2251304	0.2453837	0.04742973	0.04742973	blue
0.6191112	0.1351105	0.712287	0.5248728	0.8960752	0.1023706	1.11E-09	1.11E-09	blue
0.7956105	0.8539297	0.9541195	0.503156	0.8826693	0.1861883	0.8079488	0.8079488	purple
0.4431878	0.00194766	0.01385878	0.7015388	0.847175	0.4743584	3.91E-26	3.91E-26	brown
0.05516946	0.4017535	0.9634024	0.9395973	0.936103	0.7150122	0.7679751	0.7679751	grey
0.3921751	0.3553612	0.5328778	0.9865293	0.2842133	0.1491356	0.00483537	0.00483537	turquoise
0.5366584	0.7397487	0.4655635	0.2151843	0.644748	0.04561807	0.0566412	0.0566412	blue
0.1765034	0.0444105	0.1006118	0.1008969	0.4778261	0.1373079	0.00184569	0.00184569	grey
0.02373508	0.6700298	0.6365787	0.7130599	0.3027489	0.6586079	0.2139617	0.2139617	grey
0.1518208	0.6223895	0.1930847	0.4976678	0.6676054	0.9703028	0.7952448	0.7952448	midnightblue
0.2729481	0.459173	0.5003938	0.585218	0.6081962	0.2261746	0.01226157	0.01226157	turquoise
0.1417593	0.07018619	0.26416	0.003034	0.9453121	0.1566109	0.02096342	0.02096342	grey
0.01317975	0.393132	0.7949051	0.9558814	0.2063785	0.3229199	0.789606	0.789606	grey
0.1080979	0.008371	0.00324637	0.5559157	0.8954881	0.5250117	0.1039154	0.1039154	grey
0.8836512	0.4664531	0.1405667	0.0773767	0.3397866	0.2312656	0.1106349	0.1106349	turquoise
0.8808683	0.807898	0.3723886	0.5436942	0.3278375	0.7673882	0.484347	0.484347	grey
0.3805234	0.3080372	0.1450805	0.0685276	0.6676436	0.06369933	0.01509186	0.01509186	grey
0.3769366	0.1592804	0.5159092	0.7311479	0.5980499	0.5846646	0.2152539	0.2152539	grey
0.286434	0.412472	0.00712416	0.5254804	0.06182527	0.01013097	4.98E-05	4.98E-05	blue
0.1581608	0.6030818	0.421918	0.7305615	0.00028377	0.2663232	0.02512246	0.02512246	grey
0.5344142	0.1164076	0.1590554	0.222813	0.6209455	0.01791947	7.82E-05	7.82E-05	blue
0.8427281	0.5745082	0.6704052	0.3962529	0.6805888	0.5112133	0.1205046	0.1205046	brown
0.8378843	0.1042719	0.8404191	0.2382296	0.7889014	0.9588788	0.3394056	0.3394056	grey
0.4917595	0.0030464	0.07439275	0.8299808	0.7228681	0.30368	7.21E-12	7.21E-12	brown
0.3034654	0.5197751	0.07116611	0.4114486	0.7258477	0.3241165	0.00904862	0.00904862	red
0.9772251	0.2236992	0.0222975	0.1407996	0.7972742	0.1732523	0.02930475	0.02930475	turquoise
0.3398819	0.246913	0.6482533	0.9135345	0.8998286	0.9992439	0.4477764	0.4477764	salmon
0.3725307	0.7801936	0.04488912	0.0086122	0.5819705	0.09823739	0.8342979	0.8342979	turquoise
0.8813168	0.2284746	0.09927275	0.1263497	0.1663338	0.00661679	9.41E-06	9.41E-06	turquoise
0.214964	0.9982861	0.5247819	0.2198291	0.5020572	0.9934256	0.3106361	0.3106361	darkred
0.9888845	0.8371395	0.09878554	0.4813732	0.7218922	0.1608221	0.3907978	0.3907978	turquoise
0.5287856	0.2804943	0.2234565	0.2391545	0.8046568	0.5144732	0.01758589	0.01758589	turquoise
0.8794798	0.0785857	0.00710153	0.6035961	0.7096496	0.8063371	7.28E-16	7.28E-16	yellow
0.2971238	0.2851859	0.3379152	0.6129085	0.784454	0.208028	4.90E-05	4.90E-05	purple
0.1705773	0.227125	0.03610015	0.5378197	0.1635376	0.4808696	0.508599	0.508599	turquoise
0.831534	0.04477548	0.09000932	0.9526225	0.7435839	0.838322	9.11E-11	9.11E-11	yellow
0.00527658	0.08286635	0.6986694	0.2310882	0.2502636	0.2710053	0.09761423	0.09761423	grey
0.7198648	0.5930108	0.6381849	0.0740234	0.7922504	0.2407888	0.6899923	0.6899923	grey
0.5706527	0.2084396	0.2555195	0.1457968	0.5329074	0.5818472	0.1678094	0.1678094	greenyellow
0.4153343	0.2502111	0.1208986	0.52639	0.3115742	0.1896553	0.1865333	0.1865333	green
0.7369165	0.5014621	0.3837806	0.2420219	0.1538412	0.9151085	0.08611132	0.08611132	pink
0.06585207	0.00469218	0.9399176	0.0548196	0.4934227	0.2735089	0.02534749	0.02534749	grey
0.1150241	0.1274128	0.03688784	0.838557	0.5856551	0.3326984	0.0023687	0.0023687	turquoise
0.6825275	0.0524277	0.5586703	0.8108453	0.9224212	0.3469928	0.7492289	0.7492289	grey
0.248902	0.02127654	0.02581848	0.0212577	0.5007825	0.1603236	0.5935764	0.5935764	orange
0.07718799	0.01289596	0.9720001	0.8619536	0.7729767	0.7919096	1.27E-07	1.27E-07	blue

0.2159802	0.34319	0.3009449	0.5137572	0.599765	0.5180371	0.00074781	0.00074781	grey
0.6329751	0.5514138	0.01187204	0.4187981	0.0399309	0.9200236	0.3646201	0.3646201	grey
0.8713335	0.01494714	0.03984357	0.0937804	0.9680879	0.1732204	0.3461491	0.3461491	turquoise
0.2480828	0.2841555	0.00411038	0.4616057	0.5450771	0.3919932	0.00455417	0.00455417	green
0.3232988	0.3118958	0.1346302	0.7739767	0.8638275	0.262611	0.1986035	0.1986035	turquoise
0.1013959	0.00016947	0.6893912	0.9986195	0.5370443	0.6787872	0.01216694	0.01216694	grey
0.1566135	0.1312313	0.3826802	0.6493015	0.2587391	0.9558352	0.02699759	0.02699759	blue
0.4403169	0.05506468	0.5197899	0.0125484	0.6112641	0.3104131	0.3031846	0.3031846	grey
0.9959958	0.2780233	0.115873	0.5418902	0.6593313	0.08341796	9.39E-06	9.39E-06	turquoise
0.00534662	0.04034694	0.8215483	0.7940535	0.6631271	0.2938088	2.21E-07	2.21E-07	blue
0.3713914	0.09986377	0.9266492	0.8941911	0.4487208	0.03678016	0.00064922	0.00064922	grey
0.450695	0.5275933	0.1569106	0.5679071	0.205796	0.3974107	0.01942016	0.01942016	red
0.2471007	0.5934026	0.1779132	0.2175372	0.4635159	0.3513193	0.00036545	0.00036545	green
0.3252292	0.9554053	0.8803419	0.8653417	0.4432235	0.696406	0.05343708	0.05343708	turquoise
0.328381	0.4314308	0.7333791	0.6642215	0.2866236	0.484911	0.01469065	0.01469065	greenyellow
0.02807584	0.347841	0.8573523	0.1769992	0.7758839	0.7786197	0.00420076	0.00420076	blue
0.7274343	0.9744445	0.2505545	0.0714177	0.4083377	0.01301554	0.00056724	0.00056724	turquoise
0.2337466	0.9374171	0.6342633	0.4913579	0.546269	0.9277023	2.57E-06	2.57E-06	grey
0.2317122	0.8299456	0.04268672	0.2242122	0.5814178	0.1372709	0.3042747	0.3042747	red
0.3410148	0.4029254	0.4338355	0.1541208	0.3205505	0.4080499	0.00185547	0.00185547	grey
0.8065901	0.7544217	0.9372134	0.3315755	0.4491195	0.9919978	0.00567402	0.00567402	grey
0.4146672	0.2794683	0.1419386	0.0205017	0.5956279	0.1637238	0.00771748	0.00771748	grey
0.7942176	0.4337217	0.02471967	0.0417566	0.45024	0.04270434	0.2338159	0.2338159	turquoise
0.6484397	0.07297369	0.02048065	0.2127247	0.7943954	0.2425735	6.37E-22	6.37E-22	yellow
0.6914355	0.05961054	0.6176044	0.5573238	0.8475757	0.2277304	0.823352	0.823352	grey
0.73719	0.05640463	0.1919287	0.8510555	0.7698268	0.4912378	0.06423843	0.06423843	blue
0.06026159	0.03822267	0.2676241	0.4958524	0.143951	0.7605092	0.02181203	0.02181203	grey
0.5170773	0.01565693	0.01118532	0.1044227	0.8801382	0.2195724	2.80E-06	2.80E-06	brown
0.4735366	0.00555582	0.200559	0.2409851	0.3171688	0.1894541	0.07112085	0.07112085	turquoise
0.4525434	0.1469056	0.3603882	0.1463572	0.3706944	0.9758256	0.2798639	0.2798639	grey
0.7999418	0.01605713	0.4190358	0.8807135	0.1186673	0.5991192	0.00015421	0.00015421	grey
0.8654929	0.00099157	0.00418935	0.3924754	0.9409758	0.08473215	8.09E-06	8.09E-06	turquoise
0.4217582	0.239709	0.00592897	0.1926653	0.4290503	0.1067717	0.01067653	0.01067653	turquoise
0.07704184	0.07751766	0.1244652	0.6116356	0.625297	0.651341	6.09E-21	6.09E-21	yellow
0.1851499	0.3879347	0.00921278	0.6923294	0.8582629	0.156451	0.27285	0.27285	turquoise
0.7774931	0.6588431	0.6307093	0.1728267	0.8055172	0.7007725	0.5586265	0.5586265	grey
0.9876873	0.6628873	0.6352448	0.9846909	0.6525127	0.5422443	0.1524657	0.1524657	grey
0.668401	0.01566273	0.9865776	0.9979628	0.7640511	0.5859416	0.00333051	0.00333051	grey
0.5258442	0.3661094	0.02859558	0.9379247	0.8928128	0.04551154	0.413334	0.413334	tan
0.6108699	0.7115203	0.1577428	0.6763221	0.5162012	0.4241043	0.4257981	0.4257981	grey
0.860947	0.4110821	0.00194229	0.0992538	0.8811395	0.01211381	0.00361859	0.00361859	turquoise
0.04711873	0.3725976	0.02603411	0.8288737	0.9142781	0.9323106	0.4531659	0.4531659	turquoise
0.9842569	0.3541776	0.3916687	0.9029945	0.9722302	0.8445932	0.02758335	0.02758335	grey
0.1212244	0.4942641	0.01130296	0.2502291	0.7470278	0.08758714	0.255403	0.255403	turquoise
0.7361314	0.9636931	0.2951095	0.0956742	0.7968623	0.4982965	0.166553	0.166553	turquoise
0.6376646	0.8665816	0.5942729	0.1544996	0.7524711	0.5194072	0.09161135	0.09161135	green
0.6824516	0.9992859	0.00126289	0.2156895	0.8759558	0.09915273	0.4353753	0.4353753	turquoise
0.8961049	0.4987211	0.3164729	0.062192	0.7816072	0.1627304	6.98E-05	6.98E-05	grey
0.6450409	0.01533912	0.04645494	0.7971832	0.8574588	0.9108075	0.00148098	0.00148098	turquoise
0.02277554	0.343632	3.87E-05	0.3352403	0.9065361	0.1063126	0.01617525	0.01617525	grey
0.4596437	0.902818	0.1990306	0.6214568	0.7111093	0.04653839	0.2605488	0.2605488	blue
0.3024684	0.2282442	0.00456158	0.3509828	0.2371431	0.1267866	9.26E-18	9.26E-18	yellow
0.528463	0.1394526	0.3878202	0.0082941	0.2347051	0.1125114	0.09080703	0.09080703	grey
0.827251	0.09150976	0.01395805	0.3994011	0.5085312	0.06849817	0.00285584	0.00285584	turquoise
0.05028023	0.03524651	0.2058514	0.1409133	0.216398	0.516803	0.02082901	0.02082901	blue
0.7638661	0.02263825	0.9171363	0.8160868	0.8786016	0.1517542	0.00025489	0.00025489	blue
0.4234089	0.4046247	3.99E-05	0.0042503	0.4250692	0.1892226	0.00022419	0.00022419	turquoise
0.5927744	0.01305337	0.01454436	0.4250329	0.9862312	0.1867557	2.35E-29	2.35E-29	yellow
0.1045777	0.9161439	0.6999734	0.3948983	0.0893598	0.1715107	0.01964379	0.01964379	purple
0.6594118	0.04496515	0.00018774	0.0219434	0.8388128	0.567523	2.66E-14	2.66E-14	green
0.7919851	0.8055156	0.00015178	0.0899191	0.9706299	0.00920985	0.2266685	0.2266685	turquoise

0.1545921	0.00010013	0.5681722	0.8538456	0.2086211	0.7502753	2.42E-06	2.42E-06	grey
0.1261991	0.06401555	0.2953526	0.8999539	0.3544643	0.639279	0.00632193	0.00632193	grey
0.1882022	0.3551491	0.7969985	0.2423552	0.961874	0.9257691	0.01756738	0.01756738	grey
0.1457732	0.00216842	0.8881408	0.1443072	0.4672871	0.2356377	0.02675269	0.02675269	greenyellow
0.2256187	0.9108869	0.7386626	0.455123	0.3087051	0.9736188	0.7456998	0.7456998	grey
0.7166985	0.0610613	0.2481871	0.0307041	0.4769185	0.02047302	0.03071531	0.03071531	turquoise
0.8689621	0.00263085	0.02618473	0.352114	0.8423913	0.4669997	3.69E-10	3.69E-10	brown
0.6603052	0.04887517	0.6930304	0.585724	0.8131326	0.9233075	0.00033952	0.00033952	salmon
0.01799744	0.6860144	0.00268239	0.0910741	0.6618688	0.2317816	0.4698412	0.4698412	turquoise
0.964674	0.02793966	0.1405828	0.411811	0.8431422	0.7622944	0.5486163	0.5486163	cyan
0.3618877	0.741957	0.1261716	0.1947028	0.8281785	0.3144853	0.4152541	0.4152541	turquoise
0.08394986	0.8288691	0.602474	0.240684	0.6625371	0.6379696	0.05962712	0.05962712	grey
0.5218371	0.321639	0.01564521	0.2988726	0.1847485	0.03700559	0.02082025	0.02082025	turquoise
0.3777206	0.4558292	0.00026651	0.3006953	0.7670935	0.3381466	0.0002215	0.0002215	magenta
0.8861745	0.1746599	0.755604	0.08911	0.910112	0.2904174	0.00851071	0.00851071	grey
0.1616251	0.2221123	0.6032871	0.2490218	0.6100378	0.9170408	0.3459119	0.3459119	grey
0.6339874	0.2222408	0.00302301	0.0078161	0.2181	0.02178454	0.00105956	0.00105956	yellow
0.8756622	0.7476628	0.04513615	0.002365	0.8292328	0.280496	0.00432172	0.00432172	grey
0.3891859	0.1837665	0.6868457	0.3876903	0.4858822	0.8914904	0.00163997	0.00163997	blue
0.6392799	0.2330407	0.00078047	0.6445119	0.9861732	0.04786209	0.0129191	0.0129191	turquoise
0.8694397	0.883896	0.1220218	0.6897956	0.377968	0.2191054	0.0729943	0.0729943	black
0.339276	0.143977	0.04484158	0.2071611	0.312221	0.02984857	0.80402	0.80402	blue
0.5549287	0.6640917	0.00609986	0.7425138	0.2793616	0.5162939	0.7230278	0.7230278	turquoise
0.124656	0.9833768	0.6079559	0.6754625	0.4619829	0.3515711	0.6231999	0.6231999	turquoise
0.1903138	0.4847501	0.9386877	0.8948339	0.8913354	0.5012387	0.8191141	0.8191141	red
0.137422	0.1266851	0.271565	0.2668011	0.737702	0.5469397	0.1343705	0.1343705	darkred
0.4337584	0.9483678	0.1636463	0.4347992	0.3034943	0.9972243	0.00035401	0.00035401	grey
0.960545	0.08756005	0.01047505	0.2607788	0.4717027	0.7694975	1.06E-06	1.06E-06	brown
0.6736781	0.5968516	0.01548855	0.7171931	0.4004569	0.6057041	0.1174176	0.1174176	turquoise
0.8841725	0.00037434	0.05652351	0.3170409	0.5617428	0.2775298	0.1413474	0.1413474	grey
0.09068255	0.3392552	0.4537683	0.4223447	0.5559168	0.9786262	0.0311293	0.0311293	grey
0.2943638	0.1514863	0.5512061	0.9230312	0.3931137	0.8644857	0.7193141	0.7193141	grey
0.5555631	0.3099511	0.5200401	0.6827893	0.399691	0.1870883	3.26E-06	3.26E-06	blue
0.7622452	0.01088838	0.111131	0.3566645	0.5407675	0.2739141	0.00850879	0.00850879	blue
0.6817636	0.2644846	0.7242433	0.3545905	0.7810006	0.3450397	0.00568762	0.00568762	turquoise
0.3840328	0.29639	0.7186155	0.9888518	0.433569	0.65987	0.7431806	0.7431806	orange
0.03184877	0.646511	0.2926346	0.6657079	0.07264423	0.4849751	0.00622987	0.00622987	turquoise
0.7710985	0.8451346	0.00635367	0.4438977	0.3999749	0.3188043	0.03145886	0.03145886	tan
0.1563533	0.8147969	0.5589411	0.7732181	0.496965	0.1910828	0.03362914	0.03362914	grey
0.5206226	0.3115826	0.3235729	0.0856851	0.6932494	0.4531462	0.4819098	0.4819098	grey
0.070823	0.6839357	0.3871752	0.1386346	0.7807675	0.9007699	0.3048506	0.3048506	black
0.9520709	0.5650993	0.7929546	0.7363282	0.2585124	0.6462551	0.7539925	0.7539925	grey
0.0632322	0.2479568	0.7809478	0.6666543	0.1114526	0.9711564	3.59E-06	3.59E-06	lightyellow
0.8755116	0.2594053	0.04338265	0.2706812	0.8005629	0.1900873	0.05243373	0.05243373	turquoise
0.6844292	0.4627904	0.482405	0.332012	0.834448	0.3832983	1.09E-05	1.09E-05	turquoise
0.9985544	0.5656389	0.3003813	0.9971044	0.4533425	0.4943267	0.5599454	0.5599454	grey
0.6495344	0.3735817	0.0106928	0.9731435	0.4676913	0.766578	0.2061425	0.2061425	grey
0.7462255	0.07980713	0.496866	0.7460405	0.6200298	0.1486631	0.04649982	0.04649982	darkorange
0.2841955	0.5154606	0.1062161	0.8902743	0.9912937	0.606389	0.2861289	0.2861289	turquoise
0.8822101	0.1337261	0.01840256	0.2174187	0.7851314	0.2150141	1.10E-05	1.10E-05	green
0.9437074	0.6297257	0.1468096	0.1961737	0.1210506	0.5012017	0.06942644	0.06942644	grey
0.4897709	0.145362	0.1133641	0.2649988	0.8187385	0.7413538	0.1119605	0.1119605	grey
0.317494	0.938047	0.3443507	0.0534431	0.7172793	0.5356886	0.8271145	0.8271145	turquoise
0.02865024	0.5526057	0.9334042	0.489723	0.5263473	0.2040298	0.09969017	0.09969017	turquoise
0.1249194	0.01236923	0.2080574	0.5422406	0.4576108	0.7631337	6.71E-06	6.71E-06	blue
0.2451882	0.8133004	0.577502	0.8695406	0.8284826	0.2353024	4.12E-07	4.12E-07	yellow
0.3413658	0.2960215	0.2476485	0.3569326	0.4355411	0.06044363	0.03821261	0.03821261	turquoise
0.1543604	1.97E-05	0.2231532	0.6323186	0.550242	0.8244095	7.71E-07	7.71E-07	blue
0.7086673	0.1991789	0.00259836	0.0360959	0.9645208	0.2350698	1.73E-05	1.73E-05	brown
0.1838141	0.5536726	0.8299912	0.2498926	0.7122096	0.4474515	0.02081329	0.02081329	royalblue
0.2242211	0.5340007	0.1372003	0.1225805	0.8833525	0.1022558	0.03590474	0.03590474	grey

0.4551427	0.3890277	0.01247538	0.2989067	0.8707913	0.962827	0.05584252	0.05584252	brown
0.06889266	0.4759754	0.0171627	0.1887776	0.4750456	0.04079715	0.00382637	0.00382637	turquoise
0.6504209	0.3318506	0.2249731	0.3612115	0.0854249	0.00612502	0.01815944	0.01815944	grey
0.4016963	0.8439964	0.00013932	0.0298535	0.3346789	0.02783045	0.86685	0.86685	turquoise
0.01358553	0.7626522	0.02843732	0.25507	0.5621535	0.9410309	0.7059849	0.7059849	green
0.3120192	0.798727	0.1138077	0.827753	0.8509854	0.2369556	0.1421473	0.1421473	turquoise
0.6817673	0.05925145	0.5296389	0.8753971	0.3716504	0.7236629	2.19E-06	2.19E-06	salmon
0.2733193	0.2993604	0.00611465	0.8154968	0.8687608	0.9551154	0.01481868	0.01481868	grey60
0.824089	0.1676659	0.01025001	0.3355594	0.8307214	0.2514589	0.462758	0.462758	grey
0.08826282	0.01695469	0.4119262	0.8123019	0.9342909	0.1129664	8.14E-14	8.14E-14	brown
0.0436693	0.4239452	0.360945	0.5605798	0.893579	0.6749393	0.3434577	0.3434577	grey
0.1574863	0.7329343	0.8692379	0.5149051	0.3829885	0.3315914	0.2620506	0.2620506	grey
0.9144012	0.558643	0.00190039	0.2087402	0.7881542	0.2182524	2.34E-18	2.34E-18	brown
0.2512206	0.05344505	0.1704813	0.4859172	0.02804576	0.1943979	0.1671195	0.1671195	grey
0.6297368	0.390911	0.02415788	0.2895679	0.4322888	0.222591	1.12E-15	1.12E-15	yellow
0.584048	0.119639	0.9516647	0.3369045	0.8595312	0.2590214	1.93E-07	1.93E-07	turquoise
0.2414908	0.8274294	0.4156166	0.3578631	0.9565807	0.1657617	0.6408514	0.6408514	purple
0.8315823	0.7758219	0.2102605	0.4547335	0.8691505	0.2768571	0.0075851	0.0075851	blue
0.07718507	0.2373177	0.7977568	0.1404461	0.9720935	0.8644242	0.00478451	0.00478451	blue
0.6805464	0.4125778	0.06296973	0.0557858	0.9642043	0.6294243	0.1082381	0.1082381	turquoise
0.9199074	0.06838221	0.6044689	0.09061	0.7978791	0.2567027	0.2452621	0.2452621	blue
0.9335252	0.2448136	0.01708233	0.0193442	0.5793189	0.3846209	0.00013485	0.00013485	black
0.07642122	0.2154763	0.6331544	0.6711135	0.6440755	0.442735	0.6733143	0.6733143	royalblue
0.1553266	0.4740115	0.3088456	0.8725441	0.9853461	0.1471822	0.03430566	0.03430566	grey60
0.8782044	0.1202817	0.8353142	0.8119684	0.7850918	0.3728571	6.56E-06	6.56E-06	grey
0.3962346	0.0171625	0.00064896	0.7604592	0.6235213	0.1471967	0.190776	0.190776	tan
0.0571318	0.9402877	0.5496828	0.5958123	0.9780751	0.8968614	0.9118895	0.9118895	royalblue
0.3480443	0.9247449	0.7773266	0.9611015	0.4561828	0.3797009	0.5812007	0.5812007	grey
0.7958695	0.948593	3.66E-07	0.0903325	0.4825318	0.7333882	6.43E-07	6.43E-07	magenta
0.1671078	0.1357849	0.4983236	0.3667219	0.6487921	0.2161666	0.07515532	0.07515532	lightyellow
0.9306483	0.5124116	0.9470604	0.2698252	0.308163	0.8638481	0.1388169	0.1388169	black
0.8792575	0.510537	0.6941412	0.5529877	0.2078609	0.5269534	0.1773578	0.1773578	purple
0.3428738	0.116587	0.0479538	0.4669142	0.7895231	0.1020136	3.79E-06	3.79E-06	blue
0.2153559	0.4550563	0.2217559	0.1291812	0.3252637	0.04251667	0.6263254	0.6263254	turquoise
0.1410761	0.5688382	0.02579486	0.963547	0.4971961	0.4900723	0.00858799	0.00858799	brown
0.4503385	0.08528075	0.4565706	0.0168248	0.8788598	0.3689616	0.2055099	0.2055099	grey
0.1999515	0.1488029	0.1903229	0.011464	0.3769315	0.1510687	0.1378904	0.1378904	grey
0.6003175	0.00161126	0.9536425	0.8670988	0.794689	0.4790998	3.15E-06	3.15E-06	brown
0.2087393	0.2195107	0.4803283	0.8148533	0.3180645	0.9220083	0.01044165	0.01044165	grey
0.8432534	0.5695951	0.06270141	0.0482211	0.3751781	0.4535971	0.08541793	0.08541793	grey
0.4339933	0.1268018	0.9432999	0.0209947	0.4137278	0.1299054	0.0560836	0.0560836	grey
0.3322215	0.01163396	0.03865247	0.0479979	0.4246291	0.03653285	1.80E-05	1.80E-05	blue
0.1992149	0.8322169	0.4507996	0.6431121	0.911577	0.3391811	0.3320355	0.3320355	red
0.07401808	0.6685755	0.945124	0.3590243	0.4104246	0.7772197	0.00137097	0.00137097	grey
0.345069	0.5267014	0.4994067	0.24063	0.4262531	0.75346	0.08467434	0.08467434	grey
0.8279681	0.5179272	0.04288148	0.3631867	0.941236	0.3003498	0.0408399	0.0408399	green
0.1548931	0.01858551	0.03447507	0.0787291	0.5588361	0.00723635	0.0494812	0.0494812	turquoise
0.9801008	0.6381314	0.00141051	0.0035997	0.8870867	0.1431377	9.59E-15	9.59E-15	yellow
0.2796576	0.2534422	0.8916643	0.7214266	0.3975454	0.5581128	2.34E-07	2.34E-07	blue
0.04954595	0.02302293	0.9318163	0.5140078	0.2700575	0.1345872	0.00179168	0.00179168	turquoise
0.8674907	0.55357	0.02807884	0.6702105	0.8443804	0.01948945	0.1143093	0.1143093	turquoise
0.4037457	0.00876697	0.6259291	0.7417084	0.1885073	0.8114171	5.12E-11	5.12E-11	brown
0.6560665	0.4541076	0.00221597	0.0118109	0.6392635	0.02586183	0.9650677	0.9650677	turquoise
0.4427703	0.1304572	0.0356379	0.6390806	0.5804153	0.6879995	0.00826491	0.00826491	brown
0.4882297	0.5709661	0.6243751	0.8090855	0.6144276	0.2673517	2.82E-05	2.82E-05	black
0.9792166	0.2106677	0.2782728	0.9764681	0.4348572	0.5353295	0.7166135	0.7166135	grey
0.3127291	0.7078428	0.01418525	0.0228796	0.3477602	0.04638185	0.0100184	0.0100184	turquoise
0.2503929	0.1335666	0.04412197	0.4636414	0.6488996	0.3563206	4.69E-23	4.69E-23	yellow
0.7387003	0.2565179	0.3684703	0.7248056	0.4367861	0.6045527	1.50E-06	1.50E-06	blue
0.6965258	0.4444249	0.6044042	0.7742031	0.03692311	0.7962206	0.00012061	0.00012061	cyan
0.17735	0.4552141	0.4917099	0.4498186	0.4315096	0.6095955	0.00043787	0.00043787	blue

0.7756239	0.6957	0.4404058	0.1589549	0.4260403	0.8071476	0.07494708	0.07494708	grey
0.02600299	0.2303273	0.8896131	0.8359113	0.4086815	0.3589542	0.1448315	0.1448315	grey
0.9247034	0.6969156	2.94E-05	0.031329	0.8834452	0.7121292	4.76E-08	4.76E-08	magenta
0.8792382	0.4603767	0.06587997	0.744952	0.9896272	0.2843679	0.1460352	0.1460352	turquoise
0.4564541	0.5291164	0.253613	0.0519054	0.5272507	0.4115933	0.1693568	0.1693568	grey
0.39728	0.4506476	0.0705997	0.4539576	0.5106625	0.13611	0.03934004	0.03934004	turquoise
0.7968672	0.5309538	0.6467788	0.9325743	0.8634584	0.1456212	0.01089951	0.01089951	blue
0.07321628	0.1830238	0.3518226	0.3163377	0.9050038	0.7292805	4.83E-06	4.83E-06	grey
0.471159	0.6914718	0.2599334	0.6955878	0.4879233	0.6377653	0.8018351	0.8018351	grey
0.6734986	0.1837737	0.00580639	0.0844551	0.5890968	0.2419777	3.81E-06	3.81E-06	green
0.6883471	0.2888216	0.7757001	0.6874906	0.7219878	0.2179381	0.4003784	0.4003784	turquoise
0.1003458	0.1478324	0.03803391	0.7084414	0.3680772	0.1368976	0.6238681	0.6238681	royalblue
0.2596857	0.9277195	0.01514628	0.0098799	0.4392986	0.0583051	0.2085828	0.2085828	green
0.3037641	0.1468004	0.2949811	0.0256341	0.3785703	0.05981746	5.14E-08	5.14E-08	red
0.1738511	0.1994327	0.3032863	0.666104	0.3780383	0.1606124	4.66E-10	4.66E-10	blue
0.8289801	0.8335963	0.4614114	0.909457	0.4855533	0.2177467	0.1990557	0.1990557	turquoise
0.3595141	0.2771152	0.7065756	0.7053559	0.8000063	0.7958153	1.63E-05	1.63E-05	blue
0.2100777	0.06382152	0.9281174	0.352082	0.5097133	0.2258925	0.1529631	0.1529631	grey
0.4762257	0.00389413	0.8231162	0.9884868	0.65465	0.4519901	0.03412889	0.03412889	blue
0.5704107	0.6869794	0.04705764	0.0370011	0.7954217	0.07615578	0.4371729	0.4371729	turquoise
0.7783639	0.6788365	0.690093	0.778244	0.7905658	0.4485659	0.05981836	0.05981836	grey
0.1101305	0.06294769	0.4963234	0.204423	0.8029911	0.6675372	0.02220065	0.02220065	blue
0.2416083	0.3434045	0.9348981	0.3966253	0.6477769	0.1922467	3.65E-05	3.65E-05	orange
0.172094	0.1407777	0.1499548	0.5721144	0.774403	0.9355904	0.0031308	0.0031308	grey
0.2765574	0.1134072	0.05562408	0.2113096	0.8588639	0.3172501	1.28E-05	1.28E-05	turquoise
0.9608377	0.5573841	0.2826237	0.8211407	0.8623263	0.6269372	7.23E-07	7.23E-07	blue
0.1801487	0.6993189	0.3665725	0.1739885	0.7922771	0.4197566	0.5538593	0.5538593	grey
0.8912337	0.9291247	0.0078192	0.1134271	0.9160798	0.01488278	0.3209326	0.3209326	turquoise
0.9304361	0.3220291	0.09940009	0.8859579	0.6993205	0.7928998	0.2637488	0.2637488	turquoise
0.3064028	0.7462945	0.6855248	0.1979253	0.2078624	0.2364503	0.4473328	0.4473328	turquoise
0.02062063	0.2057111	0.6484677	0.3652161	0.6039052	0.6559806	5.83E-06	5.83E-06	grey
0.8303223	0.4326354	0.00045318	0.1221919	0.6503445	0.00110934	0.02585666	0.02585666	turquoise
0.6975011	0.3999822	0.9998607	0.0510244	0.6853625	0.1791505	0.3390414	0.3390414	grey
0.6565025	0.2567897	0.01909056	0.0864106	0.7087464	0.2214862	0.7623596	0.7623596	grey
0.6413335	0.3160575	0.7486716	0.3569868	0.5857176	0.4868074	0.1830768	0.1830768	grey
0.6476526	0.2150369	0.4207765	0.2104724	0.9683454	0.6623188	9.94E-06	9.94E-06	turquoise
0.8046756	0.8576611	0.07919805	0.6006168	0.4185216	0.19558	0.0539743	0.0539743	lightgreen
0.4035945	0.01395626	0.2089083	0.280409	0.6026656	0.5889028	0.04223341	0.04223341	grey
0.06766203	0.5259518	0.4879894	0.5138313	0.7998005	0.9866121	0.166261	0.166261	grey
0.2622195	0.2200164	0.01864624	0.0471497	0.9236559	0.04066828	0.02448096	0.02448096	turquoise
0.2011959	0.08125644	0.8513078	0.1208344	0.2849222	0.05451652	0.1937445	0.1937445	grey
0.2979002	0.9156137	0.01190406	0.621137	0.7841278	0.4756062	0.00395224	0.00395224	turquoise
0.00254805	0.1216022	0.1302293	0.5556733	0.7947778	0.0485397	6.91E-05	6.91E-05	turquoise
0.8071947	0.4905011	0.2893094	0.9125576	0.7781376	0.06800648	0.00111324	0.00111324	blue
0.2295512	0.04892232	0.5990072	0.5595475	0.9811904	0.4400963	1.08E-06	1.08E-06	brown
0.1574546	0.1205943	0.8896032	0.1662612	0.9714008	0.568168	0.330066	0.330066	grey
0.556031	0.6094196	0.1105198	0.5212156	0.7009058	0.3552286	0.02388915	0.02388915	turquoise
0.5166225	0.3657063	0.5992182	0.6465686	0.4841938	0.1930372	0.3731845	0.3731845	cyan
0.09881021	0.0806321	0.1700782	0.86817	0.7615295	0.1873264	4.13E-07	4.13E-07	blue
0.7478325	0.7648686	0.1802928	0.9960065	0.8647675	0.8435402	0.08478353	0.08478353	grey
0.05469689	0.6112423	0.09473871	0.2697834	0.2918176	0.3766908	0.7507541	0.7507541	lightcyan
0.8192417	0.1161431	0.01100197	0.3954694	0.9437176	0.8957583	4.77E-06	4.77E-06	grey
0.2380995	0.9488802	0.2491293	0.0407149	0.3964326	0.4873404	0.124854	0.124854	grey
0.09782222	0.4466759	0.5400153	0.9474337	0.266199	0.7695746	0.0649404	0.0649404	cyan
0.826474	0.6858506	0.2778702	0.0106234	0.6407897	0.9256243	0.00183471	0.00183471	grey
0.6524247	0.9302833	0.2787646	0.8333894	0.9371489	0.0346894	0.00803823	0.00803823	yellow
0.7412594	0.01576723	0.07248769	0.7708487	0.9835731	0.6929395	0.00073137	0.00073137	brown
0.1589483	0.4003614	0.08354941	0.3742514	0.331815	0.8839202	0.144509	0.144509	lightgreen
0.171118	0.463421	0.03052806	0.1315084	0.7706391	0.00817957	0.05885917	0.05885917	turquoise
0.346444	0.3994593	0.4087029	0.0300321	0.2002628	0.1081006	0.00396873	0.00396873	orange
0.6209227	0.7061753	0.05967236	0.8063829	0.8886724	0.158501	3.16E-06	3.16E-06	blue

0.4393735	0.3039354	0.1364786	0.1183902	0.6644755	0.1423202	4.92E-05	4.92E-05	red
0.2669202	0.9792272	0.00834069	0.6870542	0.9367281	0.7944929	0.03191573	0.03191573	grey
0.3477524	0.7400597	0.1132221	0.6326637	0.5591463	0.5293432	0.07092863	0.07092863	grey
0.4251927	0.02262178	0.4718483	0.8652818	0.5184008	0.4694428	1.11E-07	1.11E-07	yellow
0.657592	0.4126904	0.2352288	0.9994623	0.5903426	0.9533839	0.13759	0.13759	grey
0.4591555	0.4083613	0.00770029	0.5412963	0.3829117	0.2794488	0.00334803	0.00334803	blue
0.3054909	0.1721047	0.03851368	0.8996378	0.969398	0.2536585	0.05988238	0.05988238	blue
0.9444743	0.8679347	0.01222583	0.7580553	0.6401399	0.1815965	0.5760975	0.5760975	turquoise
0.8083286	0.4865034	0.3884859	0.5716243	0.3954613	0.1983086	0.4482834	0.4482834	grey
0.9029166	0.4746054	0.06250603	0.6032584	0.4035492	0.5047557	9.84E-11	9.84E-11	yellow
0.6891508	0.9078343	0.1094887	0.2712176	0.8448715	0.1920315	0.7899467	0.7899467	turquoise
0.8134954	0.9380514	0.6376249	0.4745467	0.1268509	0.7581808	0.5898775	0.5898775	blue
0.1322472	0.8394986	0.07053039	0.807507	0.4211962	0.2735614	0.1523146	0.1523146	grey
0.4907281	0.1740188	0.06374633	0.100848	0.5232771	0.2065632	0.6677505	0.6677505	grey
0.7864364	0.3174856	0.1383128	0.8921922	0.9884121	0.7297742	2.69E-33	2.69E-33	yellow
0.8079224	0.88602	0.00484094	0.6131717	0.7161393	0.454967	0.5178636	0.5178636	turquoise
0.901771	0.5704742	0.9845991	0.3443479	0.3184669	0.1822404	0.8192534	0.8192534	blue
0.5837732	0.03987568	0.06050084	0.0504506	0.6629757	0.2579116	1.40E-05	1.40E-05	brown
0.3191019	0.6028739	0.05538393	0.4386866	0.7198343	0.1997684	0.1703469	0.1703469	orange
0.1728565	0.06537419	0.03330348	0.0082606	0.7264176	0.02464299	0.00035793	0.00035793	turquoise
0.1521954	0.595275	0.02584917	0.1044244	0.8521083	0.06721067	0.5877499	0.5877499	turquoise
0.05788079	0.1427928	0.235436	0.5176077	0.1695631	0.4595536	0.4538181	0.4538181	turquoise
0.6913795	0.9392506	0.8740495	0.7993553	0.8108375	0.2089802	3.12E-06	3.12E-06	lightgreen
0.6493963	0.4210456	0.2818331	0.6229984	0.8597706	0.8736857	0.3559727	0.3559727	grey
0.508832	0.1628395	0.551621	0.9125161	0.6335045	0.5542092	0.7144538	0.7144538	grey
0.8975495	0.1901544	0.9481556	0.5181789	0.6249081	0.4323562	4.03E-07	4.03E-07	orange
0.3480368	0.1358904	0.06671977	0.4158035	0.8752359	0.2927504	1.10E-05	1.10E-05	blue
0.1627128	0.185084	0.04295457	0.6863164	0.4349991	0.1141717	0.01504925	0.01504925	turquoise
0.642639	0.1244237	0.01268787	0.4182801	0.1749026	0.09824799	5.20E-05	5.20E-05	turquoise
0.08393867	0.1218657	0.5973571	0.1788035	0.7966409	0.8909282	0.06263685	0.06263685	grey
0.5245143	0.1604589	0.6659443	0.0273462	0.5066517	0.03626822	0.2848223	0.2848223	grey
0.1566126	0.1253005	0.07589557	0.2050064	0.514704	0.1720141	2.05E-09	2.05E-09	blue
0.1739443	0.7601071	0.2295288	0.212647	0.5956759	0.2700425	0.9672665	0.9672665	grey
0.06167041	0.2451356	0.09438517	0.2450009	0.9411919	0.6197661	0.00764381	0.00764381	blue
0.1404552	0.5368948	0.7808488	0.8371537	0.08814365	0.698221	0.1673877	0.1673877	grey
0.6999696	0.2068282	0.7602128	0.7536147	0.6522642	0.7847525	4.37E-05	4.37E-05	grey
0.1232978	0.1109516	0.5521161	0.8398099	0.8412782	0.7045847	0.01270601	0.01270601	red
0.5508737	0.08631646	0.7462926	0.0752283	0.8260552	0.9979171	0.05653444	0.05653444	grey
0.8676777	0.4928441	0.4996859	0.3712402	0.235179	0.3292966	0.01285765	0.01285765	turquoise
0.03707274	0.276873	0.7827559	0.258156	0.4160284	0.7766494	0.02080643	0.02080643	grey
0.7323028	0.7761586	0.00264697	0.1701282	0.9608438	0.1709104	0.1112527	0.1112527	turquoise
0.255168	0.2791592	0.02008793	0.3062069	0.966773	0.04685779	0.05899883	0.05899883	green
0.0368691	0.9781575	0.8786443	0.5462502	0.5030266	0.3403075	0.326649	0.326649	red
0.3341975	0.250169	0.4897482	0.9032754	0.5668441	0.9005408	0.8641066	0.8641066	turquoise
0.08964654	0.3057165	0.1983278	0.0241998	0.3383716	0.02037933	0.1830766	0.1830766	grey
0.175283	0.00382891	0.3146609	0.1825524	0.9511998	0.3087251	0.5142376	0.5142376	black
0.123735	0.1017754	0.1167118	0.3118431	0.9111988	0.7981372	0.00316367	0.00316367	grey
0.6222041	0.1643051	0.01698547	0.3893423	0.7088146	0.6442558	1.71E-19	1.71E-19	yellow
0.5637233	0.00083328	0.09813349	0.4861824	0.8498159	0.6596627	1.22E-09	1.22E-09	brown
0.1965046	0.1946501	0.03152194	0.3073215	0.7342015	0.02651008	1.76E-07	1.76E-07	blue
0.5157539	0.1524817	0.6033965	0.6765867	0.7060612	0.4453384	3.00E-07	3.00E-07	blue
0.6164412	0.00305148	0.00041192	0.0106968	0.7665782	0.6299024	5.00E-27	5.00E-27	yellow
0.5574916	0.5928872	7.49E-05	0.0573165	0.1785616	0.2247621	7.02E-09	7.02E-09	yellow
0.8052633	0.01475429	0.7113802	0.7723911	0.5124497	0.1675167	0.02924138	0.02924138	grey
0.9507104	0.1706627	0.7989954	0.254249	0.8367178	0.8609484	0.00013324	0.00013324	blue
0.2340772	0.00789941	0.7467798	0.6106111	0.8191125	0.931111	0.00966834	0.00966834	grey
0.6216311	0.5196148	0.2702954	0.7762447	0.1558413	0.2781979	0.3823654	0.3823654	grey
0.8615057	0.01519448	0.00628214	0.9103187	0.6421074	0.116509	0.5186453	0.5186453	tan
0.7023097	0.00422218	0.00047682	0.2039891	0.4443313	0.266826	6.23E-15	6.23E-15	yellow
0.03180371	0.1961374	0.7744012	0.6735538	0.7636287	0.9126042	0.00125133	0.00125133	blue
0.6520418	0.00104465	0.4941676	0.3452852	0.8644544	0.4543856	4.93E-13	4.93E-13	brown

0.9309531	0.1982377	0.6129585	0.6978554	0.05420842	0.881969	0.03835315	0.03835315	blue
0.8581455	0.619825	3.80E-06	0.0372977	0.3763379	0.00690347	4.33E-07	4.33E-07	magenta
0.5230682	0.00563058	0.00960064	0.2680279	0.5976628	0.4938653	3.81E-18	3.81E-18	brown
0.4442953	0.7430759	0.5487501	0.8493686	0.5170737	0.9914187	0.4690615	0.4690615	purple
0.3686809	0.1154831	0.118094	0.5268779	0.6144466	0.9155084	0.00381661	0.00381661	brown
0.02018397	0.1783891	0.6124631	0.533905	0.411529	0.5408945	0.8246156	0.8246156	grey
0.2836538	0.03676532	0.133999	0.4422272	0.2133137	0.3730928	8.82E-05	8.82E-05	grey
0.6060001	0.00306562	0.08608692	0.7060704	0.9548321	0.5140754	4.84E-10	4.84E-10	brown
0.7710416	0.7843063	0.1431512	0.3029012	0.4523274	0.1255702	0.4153012	0.4153012	turquoise
0.5721578	0.4108552	0.3017901	0.5655355	0.9105607	0.8274955	0.3551994	0.3551994	grey
0.124769	0.03546438	0.9450553	0.1703071	0.8627037	0.4462082	0.00024998	0.00024998	grey
0.4487017	0.294478	0.5344714	0.4167953	0.6501177	0.07078374	0.1276831	0.1276831	grey
0.1401304	0.05899692	0.6648435	0.1191912	0.9179506	0.6603892	0.00083248	0.00083248	midnightblue
0.503232	0.2428734	0.6255117	0.8726658	0.4585836	0.9022762	0.00939186	0.00939186	brown
0.2174938	0.9629992	0.4935418	0.8721303	0.5925774	0.9583208	0.1543994	0.1543994	turquoise
0.5237806	0.2689977	0.01639128	0.0346906	0.8447643	0.06934015	0.01275064	0.01275064	turquoise
0.5812739	0.2305078	0.2702827	0.1410647	0.726454	0.5806413	0.3429661	0.3429661	darkturquoise
0.3078183	0.3620711	0.06043358	0.2456203	0.5401835	0.02895567	0.6553137	0.6553137	white
0.07815292	0.01983533	0.2304532	0.0727515	0.9295523	0.0987183	0.00130846	0.00130846	turquoise
0.397319	0.6302072	0.03848264	0.2322357	0.5074672	0.1121973	0.243192	0.243192	turquoise
0.1791098	0.3712151	0.4576572	0.1170429	0.1446537	0.4832762	0.06474085	0.06474085	blue
0.787196	0.4955447	0.6650219	0.7777114	0.6273642	0.7042943	0.4145254	0.4145254	green
0.6842164	0.00280498	0.02718158	0.1515941	0.9267546	0.2633894	0.02139917	0.02139917	grey60
0.4072622	0.9470989	0.9611524	0.6736329	0.1717207	0.1721802	2.92E-06	2.92E-06	blue
0.487701	0.8630461	0.9151012	0.2708618	0.4651433	0.6998027	0.1372719	0.1372719	grey
0.9009414	0.4292055	0.2725102	0.1502014	0.5142373	0.6521652	0.09620365	0.09620365	darkturquoise
0.2127513	0.1028163	0.06252522	0.197953	0.5287416	0.00190303	5.79E-05	5.79E-05	blue
0.5496286	0.4954261	0.2571894	0.8470959	0.799682	0.3160629	0.08157442	0.08157442	turquoise
0.1097749	0.2580502	0.6429192	0.770562	0.7356754	0.7959679	0.2061582	0.2061582	red
0.804928	0.3215243	0.5883592	0.5875299	0.5269002	0.8118073	0.1633529	0.1633529	blue
0.6945462	0.3879052	0.8721787	0.6099912	0.9558418	0.4955214	0.00360525	0.00360525	turquoise
0.846229	0.2567566	0.788435	0.3806702	0.1734647	0.3376493	0.5485094	0.5485094	blue
0.2098053	0.2114218	0.3747726	0.0978068	0.9440052	0.7449114	0.1574279	0.1574279	skyblue
0.1397586	0.7929812	0.3826779	0.8422393	0.8903163	0.3019002	0.7518245	0.7518245	red
0.6621752	0.4905679	0.00100617	0.073044	0.3871876	0.00470447	0.00829121	0.00829121	turquoise
0.05809119	0.7667735	0.5039837	0.7496326	0.4784536	0.5316532	0.03441496	0.03441496	blue
0.7702865	0.2103183	0.00523577	0.9305035	0.9175306	0.3372296	0.1824437	0.1824437	green
0.2905884	0.04574803	0.5786509	0.5959662	0.5559399	0.2952412	0.6898787	0.6898787	grey
0.02221803	0.07557005	0.3204932	0.8554981	0.4223412	0.213857	0.3044324	0.3044324	turquoise
0.4642506	0.2054239	0.906276	0.4172469	0.3912239	0.8295104	0.00599558	0.00599558	blue
0.9053524	0.3739633	0.04279545	0.9018168	0.3537382	0.02083695	0.8816288	0.8816288	turquoise
0.05308012	0.1166794	0.8311377	0.3594674	0.3751348	0.6275691	0.07056125	0.07056125	midnightblue
0.08109215	0.3309758	0.5632736	0.9210646	0.9078004	0.6026029	0.1665593	0.1665593	grey
0.1315108	0.04572006	0.7012097	0.8671484	0.1730628	0.5001896	0.00080442	0.00080442	grey
0.1353913	0.939043	0.02551717	0.2137619	0.6956547	0.1771814	0.00014664	0.00014664	turquoise
0.3256685	0.1132928	0.5236852	0.8291864	0.250294	0.509478	0.1866801	0.1866801	grey60
0.3772966	0.5240729	0.03633884	0.9953077	0.3800765	0.05957126	7.60E-09	7.60E-09	blue
0.1327435	0.783675	0.00112969	0.6075839	0.8495859	0.2007934	0.01600791	0.01600791	tan
0.1011354	0.03657635	0.2141464	0.345215	0.6372238	0.2902279	0.00431856	0.00431856	yellow
0.07659041	0.7998699	0.5151143	0.9295976	0.8948184	0.5765691	0.1874286	0.1874286	turquoise
0.8512216	0.06788601	0.08257002	0.5076069	0.2631992	0.6961213	0.05874319	0.05874319	grey
0.1247716	0.7046165	0.00718526	0.5155503	0.6746658	0.2911555	0.0006285	0.0006285	brown
0.7751274	0.7596375	3.02E-05	0.0427713	0.4217533	0.077658	0.00019344	0.00019344	green
0.1160288	0.7092593	0.1624342	0.7402908	0.7242436	0.6659169	0.9065419	0.9065419	turquoise
0.786679	0.00158976	0.01835528	0.2733228	0.3515141	0.6806471	3.27E-13	3.27E-13	brown
0.4272992	0.03275728	0.06266249	0.1160715	0.7032301	0.1875763	0.8574165	0.8574165	grey
0.3906093	0.7437513	0.9192343	0.676784	0.6111728	0.5845239	0.499964	0.499964	grey
0.3784487	0.00068001	0.532102	0.8246408	0.3397172	0.2338005	2.35E-05	2.35E-05	blue
0.0855485	0.7937112	0.05283831	0.4890981	0.1646234	0.1657699	0.09174497	0.09174497	pink
0.2496302	0.2956842	0.00856936	0.0068447	0.2065464	0.3702275	0.00519457	0.00519457	turquoise
0.3564217	0.2210711	0.01767649	0.9141548	0.5598839	0.76159	7.99E-05	7.99E-05	magenta

0.2688636	0.7754842	0.02374137	0.6992453	0.9099803	0.5736625	2.37E-08	2.37E-08	yellow
0.73688	0.1598393	0.05010795	0.2283115	0.7416688	0.06022202	0.1786651	0.1786651	black
0.0820885	0.6469425	0.01661007	0.1329084	0.2096028	0.1174739	9.07E-08	9.07E-08	yellow
0.4077784	0.7729117	0.7033865	0.8370705	0.08566122	0.7254563	0.5015386	0.5015386	grey
0.0037704	0.2061407	0.4279371	0.8628365	0.3822304	0.8975811	0.5261093	0.5261093	grey
0.6956661	0.5371987	0.1979866	0.5571509	0.09517867	0.4139178	0.2083142	0.2083142	grey
0.1524923	0.04641707	0.756119	0.9498148	0.4301188	0.2936976	5.05E-06	5.05E-06	blue
0.9453576	0.9607527	0.02588553	0.1814347	0.4669052	0.0908371	0.5998197	0.5998197	turquoise
0.1682877	0.3709667	0.6345442	0.8534315	0.8167272	0.5245263	0.09299112	0.09299112	grey
0.9711924	0.8308542	0.2586218	0.6589374	0.786654	0.4027998	0.1715028	0.1715028	blue
0.7162162	0.4763477	0.01212085	0.0054985	0.0470663	0.02838988	0.00092112	0.00092112	turquoise
0.00068428	0.7643979	0.5376617	0.133677	0.7087978	0.2156115	0.6215857	0.6215857	blue
0.165662	0.1341063	0.02564702	0.2257618	0.46135	0.1229177	0.00013842	0.00013842	blue
0.7045237	0.00949954	0.00239357	0.1996057	0.8611845	0.8125447	1.52E-27	1.52E-27	yellow
0.940515	0.5813902	0.00024424	0.0242689	0.8061696	0.03677197	0.02866914	0.02866914	green
0.8276737	0.4981819	0.9853389	0.6632065	0.9771068	0.4018402	0.4231954	0.4231954	black
0.1458956	0.8318537	0.03145373	0.0316884	0.3216177	0.01397127	0.6206687	0.6206687	turquoise
0.4174584	0.03409717	0.8615354	0.6243446	0.6953735	0.69884	1.16E-10	1.16E-10	yellow
0.1067833	0.01956448	0.264149	0.0716205	0.7359369	0.5864148	8.58E-05	8.58E-05	grey
0.5584485	0.9298695	0.01560283	0.5817593	0.753792	0.5257083	0.3023255	0.3023255	turquoise
0.8961048	0.3022321	0.7952452	0.5619308	0.05138482	0.03683645	0.00110107	0.00110107	red
0.9138103	0.256453	0.00023281	0.8002525	0.1158247	0.02974552	0.0025099	0.0025099	blue
0.150687	0.3096653	0.1204743	0.3016909	0.7958662	0.1357415	0.00118997	0.00118997	blue
0.9526718	0.6387452	2.48E-05	0.0663572	0.84701	0.7118888	0.01684412	0.01684412	magenta
0.4684058	0.2034857	0.02805519	0.7272945	0.9567596	0.1734394	8.50E-07	8.50E-07	grey
0.284571	0.4815459	0.3119158	0.8441262	0.7397581	0.9928399	0.07985389	0.07985389	grey
0.7116363	0.1455707	0.031134	0.3924195	0.3485245	0.7360148	1.22E-08	1.22E-08	brown
0.6938623	0.9325349	0.3605773	0.7446144	0.8927978	0.3421107	0.2686227	0.2686227	blue
0.75705	0.1610789	0.4716702	0.2005947	0.5627453	0.5368141	0.5208523	0.5208523	turquoise
0.3774713	0.01386274	0.0074786	0.3735478	0.9875133	0.1112967	0.05258602	0.05258602	turquoise
0.1025502	0.2544614	0.8828951	0.5158352	0.2885795	0.9487484	0.07389018	0.07389018	blue
0.347073	0.48486	0.04187862	0.4124353	0.1889638	0.4981496	0.00400109	0.00400109	blue
0.6479323	0.706115	0.1118647	0.7446952	0.2781407	0.3838048	0.4705146	0.4705146	turquoise
0.6534343	0.228003	0.06497714	0.3613535	0.8070963	0.7600959	0.01203309	0.01203309	grey
0.7633486	0.248373	0.9223093	0.5173558	0.6470247	0.1238013	0.3680457	0.3680457	grey
0.4737771	0.00386595	0.02480287	0.3510656	0.5230695	0.8033622	2.96E-15	2.96E-15	brown
0.9845486	0.7552325	0.984408	0.4465127	0.7888376	0.4206967	0.2650067	0.2650067	pink
0.3536772	0.9347529	0.6451322	0.8481968	0.7129952	0.3917846	0.5909654	0.5909654	pink
0.9027201	0.726337	0.8552022	0.1501647	0.5879553	0.3969808	0.00105402	0.00105402	turquoise
0.1761686	0.1852297	0.928517	0.4332554	0.3618666	0.5480706	1.57E-06	1.57E-06	yellow
0.08726674	0.4697406	0.3511815	0.7480216	0.865534	0.0703615	0.00788885	0.00788885	turquoise
0.9062892	0.3671182	0.1060976	0.6458526	0.5359093	0.6923544	0.6338856	0.6338856	grey
0.4744547	0.6499676	0.9215482	0.1732748	0.4415578	0.03059482	0.3791878	0.3791878	blue
0.3458762	0.932481	0.00033176	0.1280161	0.1486661	0.00032179	0.5219424	0.5219424	grey
0.8399554	0.9914039	0.8398109	0.7175505	0.8058914	0.5662083	3.66E-05	3.66E-05	grey
0.2914408	0.3556598	0.1847826	0.0968731	0.6004052	0.1202276	0.1878432	0.1878432	lightcyan
0.02618331	0.243414	0.1310465	0.0895196	0.9216983	0.5620117	2.31E-08	2.31E-08	magenta
0.40354	0.6974372	0.3498655	0.52867	0.5263759	0.2540877	0.01094634	0.01094634	turquoise
0.6976481	0.5190999	0.01225086	0.1951712	0.5818933	0.05477821	0.488757	0.488757	grey
0.80727	0.7700367	0.100535	0.9890551	0.3243188	0.7515079	0.7747897	0.7747897	salmon
0.0249531	0.3773176	0.01097074	0.1835268	0.6442986	0.1102354	0.8691801	0.8691801	turquoise
0.0080402	0.6086712	0.0006178	0.3026282	0.9234872	0.0638979	0.01340166	0.01340166	pink
0.1475487	0.2759655	0.528128	0.8649448	0.8834014	0.2933997	0.00340112	0.00340112	turquoise
0.733907	0.8537255	0.03558034	0.4339172	0.683076	0.1162157	0.01650381	0.01650381	turquoise
0.2922682	0.04642134	0.2349215	0.3333121	0.9542396	0.5808001	0.00024283	0.00024283	blue
0.6533546	0.04318972	0.4293006	0.4307691	0.2364337	0.4089768	0.00074451	0.00074451	blue
0.8214533	0.06339989	0.3962802	0.4129604	0.4015345	0.7954758	0.00032878	0.00032878	turquoise
0.2982307	0.430226	0.4204235	0.1590222	0.8736773	0.9772036	0.2536826	0.2536826	grey
0.7538377	0.1228156	0.722037	0.1866102	0.2797003	0.3015201	2.91E-06	2.91E-06	grey
0.01607279	0.4036436	0.7477588	0.0426417	0.8749228	0.4886624	0.00166747	0.00166747	blue
0.2025446	0.5544323	0.5186088	0.6740824	0.1255567	0.8533936	0.61209	0.61209	grey

0.606596	0.0435607	0.8503047	0.6883808	0.2980775	0.7996464	0.7075052	0.7075052	grey
0.2295055	0.9460656	0.06400893	0.8115751	0.8151025	0.6151696	0.1110526	0.1110526	pink
0.5199783	0.87488	0.00086278	0.5952898	0.6073139	0.5478964	0.01069329	0.01069329	blue
0.7928114	0.03799356	0.8260956	0.804297	0.4817747	0.3923368	7.96E-06	7.96E-06	turquoise
0.6819847	0.1384672	0.00534813	0.1437929	0.9170822	0.1812727	5.41E-08	5.41E-08	blue
0.2682225	0.05302927	0.206018	0.7266892	0.8273781	0.1413177	0.00060474	0.00060474	skyblue
0.3845048	0.5838517	0.05930008	0.2661422	0.4037564	0.1094365	0.1748084	0.1748084	turquoise
0.4088853	0.4422028	0.5905293	0.4624163	0.7126835	0.2052301	0.1677164	0.1677164	turquoise
0.7718215	0.3969062	0.1247513	0.9718004	0.9640456	0.4613065	0.06767148	0.06767148	turquoise
0.3437632	0.5266456	0.00348418	0.7691183	0.8882016	0.1590036	0.00185785	0.00185785	green
0.8446927	0.3707095	0.03882939	0.2152816	0.8639893	0.04103177	0.04835939	0.04835939	turquoise
0.3305111	0.1001026	0.2808966	0.8505721	0.06325894	0.5729201	0.00729337	0.00729337	blue
0.5255016	0.3358399	0.00037068	0.8361102	0.6773341	0.1266991	0.8514819	0.8514819	blue
0.3292945	0.01174959	0.9953129	0.8199088	0.8987636	0.1744129	1.26E-07	1.26E-07	blue
0.7894618	0.9909641	0.00212148	0.0531801	0.9857589	0.01851635	0.03100233	0.03100233	turquoise
0.4870641	0.7979201	0.08446778	0.1960911	0.500632	0.01026855	1.53E-06	1.53E-06	blue
0.1880247	0.2874646	0.7834991	0.8637679	0.1338175	0.5178116	0.404294	0.404294	grey
0.4024123	0.3891283	0.1093698	0.6077135	0.706583	0.06371747	0.00025802	0.00025802	blue
0.2598317	0.01289003	0.2062059	0.3610619	0.5790725	0.4586404	0.00034808	0.00034808	blue
0.03341984	0.3130461	0.9417715	0.5816118	0.1136465	0.2109738	0.7011199	0.7011199	turquoise
0.7878216	0.1711635	0.02010898	0.2739956	0.08714188	0.01534953	0.1179762	0.1179762	turquoise
0.03121999	0.8645231	0.07428166	0.3932016	0.05707642	0.7596807	0.4930366	0.4930366	turquoise
0.0417412	0.00033714	0.2559026	0.2530064	0.02245659	0.1871693	0.06704018	0.06704018	grey
0.8698547	0.5359853	0.0060715	0.2281276	0.5894119	0.1059831	0.8816279	0.8816279	turquoise
0.5227368	0.02192626	0.4560813	0.2893939	0.4165989	0.7746656	1.46E-06	1.46E-06	brown
0.01878585	0.1140997	0.6233125	0.4461305	0.3154346	0.8003919	0.00141428	0.00141428	grey
0.8719303	0.00140101	0.06593449	0.4881748	0.6306233	0.6288098	1.34E-31	1.34E-31	yellow
0.9521416	0.7095754	0.6872594	0.2547161	0.1538028	0.640955	0.02010076	0.02010076	blue
0.6915316	0.1705579	0.5201727	0.1637138	0.3585869	0.6793091	0.02719708	0.02719708	blue
0.9864954	0.153544	0.03537889	0.9065976	0.1699832	0.376683	2.47E-15	2.47E-15	yellow
0.5772909	0.2010835	0.4324937	0.6540227	0.3095296	0.7632347	0.03802361	0.03802361	grey
0.05478644	0.589276	0.1990515	0.2636828	0.9347864	0.4769866	0.2659982	0.2659982	grey
0.9412833	0.6624004	0.1369261	0.828158	0.3273884	0.5002952	0.6969745	0.6969745	turquoise
0.3720251	0.8254039	0.379152	0.8228312	0.538722	0.7021115	6.16E-12	6.16E-12	yellow
0.6431054	0.922789	0.405769	0.5458181	0.1497033	0.3581359	0.1174765	0.1174765	grey
0.2669602	0.09949856	0.3963397	0.7146892	0.2482574	0.6864963	0.00021363	0.00021363	turquoise
0.3337429	0.7057699	0.5581909	0.8578007	0.5673632	0.9232598	0.01757782	0.01757782	grey
0.4166921	0.2445056	0.8850584	0.257649	0.9991471	0.08286029	0.6740511	0.6740511	turquoise
0.1185377	0.7886375	0.01605542	0.136761	0.7595092	0.8646196	0.00505975	0.00505975	grey
0.5053525	0.6583864	0.9430154	0.8679223	0.4751279	0.9571491	0.01104209	0.01104209	grey
0.8868074	0.00792254	0.1889757	0.0735286	0.4898945	0.1000085	0.00621826	0.00621826	turquoise
0.752544	0.07473001	0.03031479	0.6379188	0.6044335	0.838054	7.83E-31	7.83E-31	yellow
0.3465575	0.2574999	0.3833332	0.6549349	0.5288091	0.5591898	3.23E-07	3.23E-07	grey
0.3737709	0.9246916	0.7630916	0.9593085	0.4709501	0.5738912	0.0272249	0.0272249	blue
0.8169929	0.370071	0.0497771	0.0781578	0.9893882	0.1437519	0.7956578	0.7956578	blue
0.1964775	0.04419385	0.0008241	0.1405293	0.5999637	0.09418861	0.8135412	0.8135412	magenta
0.7699473	0.947521	6.14E-06	0.0358768	0.171385	0.1426923	3.32E-06	3.32E-06	turquoise
0.7585801	0.3032354	0.9240086	0.4500863	0.3993916	0.7340803	0.0027	0.0027	grey
0.9732158	0.1748265	0.07133642	0.1729535	0.2326025	0.6917534	0.0506826	0.0506826	grey
0.3619351	0.3767355	0.8238334	0.7365848	0.3363519	0.8418357	0.2452054	0.2452054	turquoise
0.994005	0.2242244	0.4796115	0.8906972	0.6140586	0.7492642	9.49E-06	9.49E-06	blue
0.9866336	0.1610987	0.8059993	0.6523334	0.7286674	0.721718	0.00011056	0.00011056	turquoise
0.3051532	0.2889598	0.00015485	0.0342025	0.5144787	0.1829472	4.77E-07	4.77E-07	green
0.8031718	0.8864986	0.00121936	0.8362809	0.5392929	0.1783655	0.2245383	0.2245383	turquoise
0.1333017	0.765464	0.01294913	0.6815611	0.6901198	0.1768413	0.1050401	0.1050401	turquoise
0.8891431	0.1426586	0.5562158	0.8368189	0.4236398	0.1489557	0.1464138	0.1464138	blue
0.8929419	0.3830818	0.923835	0.0852503	0.9321092	0.2425868	0.6568829	0.6568829	grey
0.8920139	0.06060744	0.6427508	0.2009317	0.3977571	0.6082207	5.18E-08	5.18E-08	pink
0.2500428	0.6847443	0.4853508	0.6159079	0.4510864	0.581112	0.02002596	0.02002596	red
0.3399325	0.8407768	0.1290462	0.3415822	0.6809145	0.4138955	7.41E-09	7.41E-09	grey
0.4158752	0.08779931	0.8369285	0.7405929	0.7750841	0.3259256	1.00E-06	1.00E-06	grey

0.05867879	0.1036148	0.04923863	0.8524516	0.2338608	0.9496187	0.00015333	0.00015333	grey
0.5743822	0.08021114	0.0956277	0.4823721	0.691025	0.211348	0.00078124	0.00078124	turquoise
0.2939152	0.9408304	0.4497723	0.5120878	0.9692913	0.5424745	0.8025061	0.8025061	grey
0.6326007	0.9123226	0.04410051	0.032143	0.2571675	0.4322051	0.603698	0.603698	turquoise
0.06721503	0.9390409	0.3756494	0.7837675	0.8161611	0.279306	4.37E-06	4.37E-06	grey
0.82554	0.4220091	0.00197312	0.025063	0.949632	0.00856778	0.06685911	0.06685911	turquoise
0.05221361	0.389869	0.9210206	0.0356718	0.9460432	0.2891227	0.01710177	0.01710177	midnightblue
0.19246	0.6026912	0.532021	0.3103764	0.6769416	0.66799	0.1068406	0.1068406	grey
0.8050728	0.7825083	0.3350982	0.3903813	0.3805532	0.08401042	0.4613861	0.4613861	turquoise
0.9087223	0.8115417	0.01284263	0.4506704	0.6598153	0.3411755	0.00171579	0.00171579	blue
0.17807	0.01451918	0.4477088	0.5147691	0.7797517	0.8134891	7.52E-20	7.52E-20	brown
0.8654137	0.03554141	0.3975134	0.0649947	0.5797523	0.6866356	1.01E-05	1.01E-05	turquoise
0.03437504	0.6659183	0.05647736	0.3088214	0.2774823	0.1595244	0.7157657	0.7157657	grey
0.1258532	0.2080189	0.2482336	0.3931303	0.2499351	0.2116493	8.81E-07	8.81E-07	turquoise
0.6030552	0.08547045	0.6400931	0.1992921	0.1778698	0.9041478	0.5350538	0.5350538	grey
0.2289682	0.6133843	0.0744202	0.3742886	0.35539	0.4073457	0.9268208	0.9268208	pink
0.7760967	0.1190865	0.05532743	0.1437059	0.995186	0.4773048	0.03207836	0.03207836	pink
0.6852543	0.1545239	0.1929977	0.8547365	0.5764268	0.1235209	0.1060924	0.1060924	grey
0.5201968	0.08279882	0.7465352	0.7258533	0.5423693	0.3871368	0.4190658	0.4190658	turquoise
0.6660652	0.1829698	0.1617792	0.9337789	0.9797867	0.0786943	0.1924356	0.1924356	blue
0.7041123	0.2261807	0.7254957	0.1239975	0.5976369	0.8025932	0.07136046	0.07136046	black
0.7793979	0.9188455	0.1619083	0.0603498	0.3641155	0.215942	0.07446408	0.07446408	green
0.2543364	0.2461137	0.2790322	0.9020773	0.7505183	0.6544516	0.00107036	0.00107036	green
0.4314421	0.2806563	9.33E-07	0.223263	0.7863001	0.6972014	0.01516021	0.01516021	turquoise
0.1516744	0.09795434	0.5537813	0.8516133	0.96625	0.6131255	0.00013059	0.00013059	blue
0.6921877	0.00018322	0.00319742	0.1500307	0.4009587	0.3655777	2.18E-19	2.18E-19	yellow
0.1567772	0.1950115	0.0490507	0.3409798	0.4571277	0.3817226	0.05937895	0.05937895	turquoise
0.2370091	0.1888244	0.00352949	0.3723788	0.825165	0.1146379	6.14E-05	6.14E-05	turquoise
0.3311884	0.4195335	0.1724687	0.5001681	0.8590924	0.9982975	0.1716309	0.1716309	grey
0.4847764	0.01833786	0.7923168	0.5074984	0.1606167	0.3035481	6.07E-06	6.07E-06	grey
0.6176404	0.1825134	0.9032452	0.6658266	0.08019246	0.3473515	0.00038318	0.00038318	turquoise
0.2890906	0.6023314	0.09357779	0.9048046	0.02580721	0.9660206	3.34E-10	3.34E-10	yellow
0.4564921	0.3020714	0.6631086	0.1941841	0.340973	0.5980877	0.08820741	0.08820741	black
0.9310572	0.1256205	0.07689763	0.0648745	0.4504815	0.02388569	0.00072662	0.00072662	turquoise
0.4641593	0.664146	0.1323209	0.0499079	0.7248545	0.1203732	0.0231312	0.0231312	grey
0.3495042	0.1987263	0.8296684	0.9466817	0.4344183	0.9214511	0.00850631	0.00850631	brown
0.601879	0.00315407	0.1158331	0.4905435	0.7720929	0.1083726	3.75E-09	3.75E-09	blue
0.00149249	0.7127125	0.0141646	0.6277756	0.9710944	0.3227623	0.00018404	0.00018404	turquoise
0.5903075	0.6919728	0.4995276	0.208125	0.3239927	0.2494113	0.00102012	0.00102012	grey
0.6746879	0.9170345	0.1947838	0.3021601	0.283147	0.3023774	0.4210263	0.4210263	grey
0.03254958	0.01907171	0.09039729	0.0009645	0.6654102	0.2683251	0.1369085	0.1369085	blue
0.9674629	0.6211217	0.0402935	0.3755993	0.9274385	0.4220883	0.120553	0.120553	grey
0.7678542	0.09267078	0.9088876	0.0638258	0.2431805	0.4260545	0.02483697	0.02483697	turquoise
0.6932012	0.2970823	0.135308	0.0135891	0.09338703	0.04014834	0.02342451	0.02342451	grey
0.4692015	0.4791042	0.682656	0.7805904	0.9154134	0.6216436	0.000998	0.000998	salmon
0.6268764	0.00087711	0.00549247	0.1769593	0.4818282	0.9837935	1.66E-15	1.66E-15	brown
0.259419	0.8501169	0.28778	0.1579454	0.8917693	0.04271562	0.3295792	0.3295792	red
0.3581985	0.9398969	0.2826742	0.4414087	0.8320929	0.7787484	0.7035639	0.7035639	grey
0.4017936	0.9416365	0.07493001	0.7110577	0.661909	0.6677285	0.2956557	0.2956557	grey
0.394097	0.1505519	0.109295	0.6767453	0.7947992	0.7993185	0.8623371	0.8623371	turquoise
0.4160748	0.00599661	0.06486091	0.6076906	0.6304136	0.4959261	4.64E-15	4.64E-15	brown
0.8083277	0.02151611	0.02784888	0.5402001	0.9800002	0.6035683	4.25E-13	4.25E-13	brown
0.5867634	0.4649203	0.701548	0.91542	0.7249568	0.4706725	0.00018295	0.00018295	blue
0.08908911	0.4335146	0.1553987	0.3241336	0.9874617	0.18957	0.3082296	0.3082296	grey
0.1880494	0.2961078	0.2561116	0.4885492	0.1016668	0.4858963	0.1734257	0.1734257	turquoise
0.5002143	0.00558156	0.829496	0.243545	0.2594633	0.8147668	8.22E-05	8.22E-05	turquoise
0.1213168	0.1889291	0.6046088	0.7774196	0.931631	0.2039366	4.69E-07	4.69E-07	blue
0.7323872	0.506965	0.07094528	0.4504936	0.5744292	0.1757852	0.7664908	0.7664908	blue
0.2898522	0.1793637	0.9711156	0.2613174	0.563761	0.5457439	0.00118863	0.00118863	grey
0.4315142	0.04361115	0.1922597	0.1981742	0.8194018	0.1060069	3.42E-07	3.42E-07	blue
0.6773693	0.00524873	0.2877731	0.2709563	0.5382889	0.707943	1.89E-06	1.89E-06	blue

0.9372536	0.03828739	0.02709964	0.5344859	0.5922395	0.05453715	0.00206953	0.00206953	turquoise
0.8794212	0.7477548	0.00018035	0.0367475	0.9233638	0.6540972	0.00015894	0.00015894	magenta
0.3521671	0.00355684	0.2948298	0.839724	0.9934484	0.1940465	1.38E-17	1.38E-17	brown
0.06981845	0.0552298	0.4033178	0.5639507	0.6795447	0.2901479	0.8665073	0.8665073	turquoise
0.4909965	0.2446032	0.2892268	0.0366102	0.6882762	0.4133281	4.14E-07	4.14E-07	yellow
0.5708476	0.1756262	0.6009584	0.5831542	0.1667314	0.9739148	1.42E-05	1.42E-05	grey
0.5125351	0.01009715	0.06814283	0.5582949	0.424563	0.9488105	6.09E-17	6.09E-17	brown
0.314878	0.00089019	0.8725608	0.1739743	0.9894796	0.8806454	0.05793801	0.05793801	grey
0.8743554	0.00123487	0.1998744	0.9106888	0.356343	0.4295628	6.90E-15	6.90E-15	brown
0.07540456	0.6520816	0.9535999	0.0850719	0.3246356	0.9669774	0.2919079	0.2919079	blue
0.07013465	0.898885	0.6312383	0.4323288	0.8330763	0.84634	0.06212711	0.06212711	grey
0.09219735	0.3478855	0.2972622	0.2741719	0.2868546	0.1451093	0.5123358	0.5123358	grey
0.6908571	0.9647766	0.9040608	0.5792773	0.3811304	0.8195294	0.00072564	0.00072564	blue
0.8520005	0.1356284	0.04950532	0.715076	0.5288262	0.7453558	2.66E-14	2.66E-14	brown
0.00969483	0.3543732	0.7970887	0.2546588	0.7367299	0.2934966	0.9595286	0.9595286	grey
0.7098924	0.8511537	0.1869253	0.8039844	0.3817187	0.250838	0.01595274	0.01595274	turquoise
0.9624774	0.4858625	0.00101897	0.6972415	0.1924195	0.07314665	0.3450749	0.3450749	turquoise
0.2743882	0.01923207	0.2512107	0.3293195	0.8584111	0.4065021	1.16E-13	1.16E-13	yellow
0.573603	0.00188366	0.754179	0.74101	0.3196118	0.6657508	0.04699773	0.04699773	grey
0.6939395	0.05199945	0.01879449	0.0523208	0.2077878	0.0277907	0.0013116	0.0013116	turquoise
0.3199133	0.3761697	0.1407639	0.1096226	0.9586311	0.9501773	0.4919994	0.4919994	grey
0.8504396	0.7450779	0.01181842	0.4001702	0.2505487	0.2513525	0.2576522	0.2576522	turquoise
0.7889796	0.00441046	0.1578184	0.6652024	0.5108542	0.9139143	1.45E-06	1.45E-06	brown
0.01282425	0.00143408	0.4456802	0.6636644	0.9262951	0.736361	6.44E-05	6.44E-05	turquoise
0.221635	0.05563937	0.3634432	0.5682726	0.618739	0.5189025	0.00064065	0.00064065	turquoise
0.4509775	0.06847591	0.00830957	0.1859417	0.7802641	0.5286883	1.78E-17	1.78E-17	yellow
0.4587492	0.8018295	0.6902745	0.9975078	0.1308117	0.1724395	0.7716631	0.7716631	blue
0.7605334	0.7611373	0.02233294	0.3869458	0.9355341	0.3625388	0.0193958	0.0193958	turquoise
0.2364898	0.710878	0.683472	0.8525642	0.8928656	0.2540534	0.02530854	0.02530854	blue
0.1147577	0.2085194	0.00088371	0.3733781	0.76456	0.1658031	0.00125203	0.00125203	green
0.2697074	0.4392781	0.4968243	0.6036644	0.5604514	0.8105648	0.1048137	0.1048137	grey
0.7617357	0.2988676	0.977704	0.151242	0.4522537	0.9786734	0.6863471	0.6863471	grey
0.3260857	0.1318783	0.09891127	0.3304957	0.6981411	0.2878571	0.02061426	0.02061426	turquoise
0.611344	0.3119389	0.08301055	0.1100337	0.8534767	0.00591434	0.01452785	0.01452785	turquoise
0.08847935	0.3952026	0.5850281	0.4393671	0.5255759	0.8150121	0.5745499	0.5745499	grey
0.03615032	0.8870796	0.2128318	0.4170827	0.7225434	0.6213461	0.3057379	0.3057379	turquoise
0.8503363	0.5393876	0.1401419	0.6841117	0.8845137	0.6441309	0.1708429	0.1708429	grey
0.8760832	0.2780438	0.6178184	0.9039437	0.9764784	0.1107315	0.226633	0.226633	blue
0.5271714	0.7566409	0.2181453	0.5886063	0.3050269	0.6719605	0.5991621	0.5991621	grey
0.3939909	0.1752174	0.00180574	0.6415394	0.9567488	0.4501326	0.00372744	0.00372744	grey
0.00473737	0.00818431	0.2536231	0.7217424	0.8924772	0.8854459	2.62E-06	2.62E-06	grey
0.3568972	0.3552263	0.406715	0.9938395	0.9996083	0.6923556	0.0968955	0.0968955	blue
0.4853938	0.5051342	0.00230379	0.2413057	0.7415385	0.02182202	0.01017379	0.01017379	turquoise
0.03476456	0.6747282	0.04394902	0.4549075	0.4002101	0.1688418	0.1461857	0.1461857	green
0.3740631	0.02614905	0.1446577	0.7451185	0.4797769	0.6565805	1.39E-07	1.39E-07	turquoise
0.3259286	0.09754069	5.19E-06	0.0901649	0.7264812	0.3598819	2.10E-14	2.10E-14	yellow
0.1564155	0.8953326	0.5185684	0.1234847	0.7681603	0.9744001	0.1595093	0.1595093	blue
0.4646906	0.0448173	0.00552738	0.6716659	0.7097654	0.5792861	9.22E-06	9.22E-06	brown
0.8787917	0.7362754	0.700654	0.8086179	0.9984167	0.5855669	0.2906693	0.2906693	turquoise
0.909575	0.4144973	0.02192667	0.0288801	0.2756813	0.017078	3.02E-06	3.02E-06	green
0.7626264	0.4425934	0.05523586	0.4881558	0.2845324	0.1919215	0.9570086	0.9570086	turquoise
0.1889783	0.03287376	0.5810246	0.4772365	0.5876799	0.9450834	3.15E-08	3.15E-08	yellow
0.5390598	0.5059436	0.1683301	0.3837221	0.475429	0.04284243	0.342207	0.342207	cyan
0.99238	0.040845	0.7974589	0.2752231	0.7037849	0.4608526	0.0668349	0.0668349	grey
0.5407948	0.5623194	0.00077365	0.2878863	0.9085575	0.1143311	0.00499615	0.00499615	turquoise
0.5229781	0.7868512	0.5998916	0.8241294	0.6810889	0.7884323	0.1395922	0.1395922	grey
0.224328	0.9900016	0.04940024	0.026293	0.498297	0.06203037	0.1858833	0.1858833	turquoise
0.2094283	0.3430769	0.1541674	0.6290369	0.7103213	0.5297111	0.755857	0.755857	midnightblue
0.019984	0.7831659	0.2105824	0.904923	0.8501618	0.8488645	0.6250155	0.6250155	grey
0.7019118	0.08095212	0.3779431	0.5775729	0.7166521	0.4235021	0.004934	0.004934	green
0.3309168	0.00479543	0.09201247	0.8446237	0.9272784	0.5044739	1.79E-09	1.79E-09	brown

0.3003249	0.02697631	0.2411774	0.7970532	0.5926335	0.3340626	0.00435604	0.00435604	blue
0.5482476	0.3515004	0.9837068	0.7134445	0.6451972	0.4775833	0.5694302	0.5694302	blue
0.5874038	0.3498512	0.3804799	0.7614409	0.2542662	0.3703377	0.00499767	0.00499767	grey
0.1552247	0.05749767	0.9166409	0.8805411	0.5037719	0.4096556	1.28E-09	1.28E-09	blue
0.9653862	0.701435	0.7873688	0.5372783	0.2343084	0.9831919	0.03294696	0.03294696	grey
0.6268122	0.7840144	0.4616035	0.814159	0.4060688	0.511633	0.189316	0.189316	grey
0.05368509	0.9503551	4.18E-05	0.6914149	0.8734853	0.3862936	4.82E-05	4.82E-05	grey
0.6967446	0.05419862	0.1674651	0.2631033	0.4499295	0.05271442	5.81E-09	5.81E-09	brown
0.8879428	0.2806116	0.193645	0.2742612	0.5675494	0.8986084	0.00352005	0.00352005	brown
0.1814804	0.8806407	0.2480035	0.3248766	0.7431637	0.9360876	0.3495059	0.3495059	grey
0.2196845	0.04808729	0.03006518	0.567835	0.3702744	0.7985708	7.58E-15	7.58E-15	brown
0.02442239	0.3161317	0.814792	0.5845104	0.9940538	0.4615489	0.08534738	0.08534738	grey
0.5398953	0.1354744	0.577786	0.9627551	0.6749916	0.2754252	0.9968658	0.9968658	blue
0.2140693	0.3100661	0.02270679	0.1244475	0.7596174	0.03075985	0.5379261	0.5379261	turquoise
0.8279572	0.07798668	0.9927178	0.898067	0.7800104	0.5577385	0.00826242	0.00826242	blue
0.6216158	0.8159213	0.01136471	0.034435	0.9488092	0.1206345	0.01257972	0.01257972	grey
0.04173897	0.4809199	0.3273936	0.4182971	0.8175734	0.3677826	0.3063404	0.3063404	blue
0.6454222	0.04533702	0.8330102	0.4394933	0.4985664	0.2698026	0.1002166	0.1002166	darkorange
0.8727408	0.3665155	0.1261971	0.7007704	0.6103897	0.9861297	0.06776692	0.06776692	turquoise
0.4388675	0.7222818	0.9556023	0.4639572	0.6478419	0.6564592	0.09887701	0.09887701	grey
0.9895036	0.1919817	0.3645218	0.3778695	0.8934322	0.1542949	7.70E-09	7.70E-09	grey
0.9763749	0.00646696	0.01312972	0.0970594	0.1046067	0.5657817	9.09E-13	9.09E-13	yellow
0.9485644	0.346695	0.8311293	0.3281642	0.8448347	0.90507	4.09E-07	4.09E-07	brown
0.1610683	0.00651909	0.3105682	0.8922055	0.8549489	0.3731168	1.87E-09	1.87E-09	brown
0.9411922	0.9478869	0.8295008	0.922567	0.7570417	0.2617709	0.02844002	0.02844002	grey
0.8988079	0.1370813	0.4148071	0.3428393	0.6938664	0.5037037	1.82E-05	1.82E-05	turquoise
0.4831529	0.134639	0.5893687	0.7732841	0.3129539	0.2708217	0.02009443	0.02009443	turquoise
0.1640519	0.7170292	0.8465947	0.6056006	0.6557053	0.3661964	0.4497992	0.4497992	grey
0.6122984	0.9973477	0.619569	0.6856738	0.4730075	0.8414248	0.1959673	0.1959673	grey
0.2579053	0.00519461	0.05050791	0.8755113	0.9836319	0.6872381	0.5368683	0.5368683	magenta
0.2837182	0.2616942	0.2277658	0.0996858	0.8935194	0.2622001	0.00076623	0.00076623	turquoise
0.763448	0.4088997	0.0448188	0.6330059	0.2067604	0.1347522	0.02413082	0.02413082	white
0.5454108	0.1647301	0.3293603	0.1456605	0.9135037	0.674669	0.5106364	0.5106364	blue
0.8334443	0.1656638	3.16E-05	0.0783419	0.9590205	0.00663745	0.7232977	0.7232977	turquoise
0.1265479	0.04823434	0.5698464	0.1524096	0.6731768	0.9907794	0.7442963	0.7442963	blue
0.312047	0.7440362	0.02516768	0.0123516	0.7891571	0.01084953	0.0121572	0.0121572	turquoise
0.4485417	0.06742206	0.9770145	0.3546286	0.5900649	0.08531747	0.03593634	0.03593634	grey
0.9566591	0.5024967	0.2850593	0.2908286	0.2848713	0.1887623	0.00076016	0.00076016	turquoise
0.2333077	0.6744602	0.00832694	0.0181451	0.09415677	0.00572521	8.28E-05	8.28E-05	yellow
0.6397798	0.06054174	0.05398357	0.4826038	0.481722	0.5620642	5.48E-09	5.48E-09	brown
0.3549575	0.8834487	0.2773804	0.0409684	0.7845969	0.3393073	0.4678672	0.4678672	grey
0.2313312	0.5505693	0.02534278	0.5668083	0.2943186	0.3548559	0.0550903	0.0550903	grey
0.8586408	0.02505765	0.1982719	0.8040004	0.5085484	0.2092448	0.00115401	0.00115401	turquoise
0.428256	0.7403425	0.8322593	0.3792572	0.2912183	0.3961068	0.00710725	0.00710725	grey
0.4966704	0.6205563	0.519347	0.7719793	0.7104201	0.4056101	4.68E-05	4.68E-05	blue
0.3168584	0.9456739	0.3963817	0.2279343	0.8319639	0.1696079	0.00266887	0.00266887	grey
0.5801924	0.2671373	0.0265127	0.7783985	0.9542414	0.2048364	0.01247352	0.01247352	turquoise
0.414275	0.4819782	0.2407944	0.9434712	0.6110061	0.3204944	2.75E-06	2.75E-06	black
0.0297004	0.02392469	0.9065876	0.3401419	0.3523933	0.1951734	0.8994172	0.8994172	blue
0.2039367	0.6487717	0.09792991	0.9206241	0.8366144	0.76509	0.9256263	0.9256263	turquoise
0.536488	0.00347441	0.8475658	0.443246	0.9002598	0.2506878	3.87E-06	3.87E-06	blue
0.2269374	0.4388206	0.2484528	0.5895258	0.9929488	0.3496682	0.00545926	0.00545926	turquoise
0.456788	0.366243	0.4779902	0.2218635	0.8135453	0.4891614	0.00298976	0.00298976	blue
0.00116291	0.2940473	0.7645296	0.0250993	0.159376	0.7675414	4.96E-07	4.96E-07	blue
0.4313476	0.02146572	0.06149995	0.9392654	0.564372	0.362564	0.00589866	0.00589866	blue
0.2180845	0.9036644	0.3200429	0.908095	0.9839191	0.6273578	0.7046169	0.7046169	grey
0.5177777	0.1168129	0.01214509	0.2109185	0.6575177	0.8610749	0.00256408	0.00256408	brown
0.08094445	0.07388829	0.2815632	0.8006277	0.7083411	0.4480944	0.505453	0.505453	grey
0.8678462	0.5690482	0.3922781	0.2616981	0.7302377	0.00531924	0.01632436	0.01632436	blue
0.8989942	0.00697638	0.0802576	0.3199333	0.9014856	0.42414	1.24E-10	1.24E-10	brown
0.6216676	0.6503299	0.00460706	0.4145424	0.99855	0.1410551	0.2631067	0.2631067	blue

0.2530061	0.01125145	0.7124984	0.6024048	0.596108	0.8556016	1.35E-05	1.35E-05	grey
0.851156	0.8113627	1.74E-05	0.0204633	0.7720115	0.6077791	0.2911875	0.2911875	turquoise
0.2615394	0.4478879	0.04873699	0.9404909	0.823363	0.01083371	0.02321641	0.02321641	skyblue
0.2962141	0.1258811	0.8857164	0.827253	0.00022685	0.8654634	0.1830009	0.1830009	turquoise
0.8908381	0.2621545	0.03895582	0.2480441	0.5569694	0.2986105	0.0078007	0.0078007	turquoise
0.7084882	0.7737806	0.040083	0.281292	0.4380578	0.6672743	0.00645659	0.00645659	grey
0.06020215	0.1106522	0.1396921	0.194966	0.1289765	0.1780138	0.1981497	0.1981497	turquoise
0.631586	0.0417475	0.8294858	0.3283714	0.2650769	0.8193124	2.22E-05	2.22E-05	brown
0.07244704	0.5743746	0.773425	0.4262436	0.21584	0.847928	1.63E-06	1.63E-06	grey
0.02042031	0.2294924	0.4878041	0.1511484	0.9896223	0.2777763	0.00075351	0.00075351	lightyellow
0.1673264	0.8501092	0.00636954	0.0056642	0.1224705	0.04423619	1.59E-05	1.59E-05	grey
0.04546057	0.2659354	0.5195655	0.3479759	0.9467858	0.613065	0.00112567	0.00112567	blue
0.2425628	0.5730181	0.5470417	0.1290647	0.6759129	0.9481224	0.03293438	0.03293438	blue
0.8715325	0.775907	0.1044593	0.64661	0.3887472	0.2065615	0.274573	0.274573	turquoise
0.52313	0.04226693	0.4334137	0.641537	0.8977834	0.9186729	0.02556125	0.02556125	grey
0.04114399	0.02363801	0.00030739	0.4448912	0.05718936	0.03643145	0.03882869	0.03882869	grey
0.9638541	0.0429463	0.441771	0.4791509	0.9802397	0.7650093	0.01065883	0.01065883	grey
0.885097	0.230599	0.2462282	0.2109385	0.8246578	0.8502259	0.074063	0.074063	grey
0.1404445	0.1175928	0.2506421	0.6445076	0.4885138	0.2196718	9.70E-06	9.70E-06	turquoise
0.2159274	0.00967695	0.18159	0.620646	0.8201669	0.618733	4.09E-09	4.09E-09	brown
0.2527103	0.1768849	0.00668815	0.1118899	0.2663214	0.4109471	9.11E-20	9.11E-20	yellow
0.8270618	0.3717498	0.1226299	0.3526357	0.380215	0.2416721	0.8183677	0.8183677	turquoise
0.1669398	0.07077755	0.7178414	0.7594923	0.644791	0.2784589	5.93E-08	5.93E-08	blue
0.6849387	0.8770266	0.07361609	0.7671557	0.9174527	0.1095259	0.00635336	0.00635336	blue
0.01744927	0.1775258	0.1851023	0.7255514	0.709651	0.3434566	0.3481186	0.3481186	grey
0.1670192	0.4776576	0.9425444	0.3446805	0.6986068	0.8404162	4.42E-06	4.42E-06	grey
0.1053754	0.1825489	0.7418762	0.9673994	0.9683348	0.9351347	0.2887283	0.2887283	greenyellow
0.6472313	0.4805585	0.9749728	0.2406044	0.3174248	0.2493662	0.738671	0.738671	turquoise
0.04653349	0.08341238	0.06252972	0.3157988	0.7750016	0.134695	0.001354	0.001354	green
0.606961	0.5702202	0.2113702	0.7244177	0.6725769	0.6463799	0.8803851	0.8803851	turquoise
0.5112859	0.7948607	0.06429319	0.4870952	0.8817607	0.1217725	0.06458351	0.06458351	turquoise
0.6543316	0.2563791	0.8039191	0.8420214	0.808197	0.9078227	8.77E-10	8.77E-10	blue
0.7854602	0.02603225	0.04924366	0.763006	0.6066179	0.05757318	0.3399415	0.3399415	tan
0.5791042	0.08419566	0.7950637	0.7066518	0.219255	0.8589727	0.2769743	0.2769743	grey
0.6636667	0.1601992	0.3171147	0.1150158	0.5312042	0.9451318	0.02944324	0.02944324	grey
0.7385526	0.4809789	2.00E-07	0.9246018	0.4917957	0.2080933	0.00304386	0.00304386	green
0.03433082	0.3510163	0.4532476	0.4858272	0.4517266	0.2060901	0.07466803	0.07466803	grey
0.4388393	0.08220819	0.09123593	0.9673782	0.3548952	0.2217216	0.1278803	0.1278803	grey
0.6607811	0.02444546	0.0536666	0.0335927	0.5299747	0.05233178	0.5761207	0.5761207	lightcyan
0.4842431	0.1053262	0.230683	0.9540244	0.5696902	0.773053	2.19E-06	2.19E-06	turquoise
0.1958256	0.8727911	0.03930163	0.2537427	0.3981854	0.574908	2.48E-10	2.48E-10	yellow
0.8103638	0.5946596	0.7060808	0.441829	0.5068638	0.8198908	1.13E-09	1.13E-09	grey
0.1143224	0.2499821	0.3159346	0.7714591	0.6916034	0.9464736	0.2796604	0.2796604	pink
0.00794239	0.02467446	0.3359176	0.2699367	0.3556826	0.2762683	0.4477708	0.4477708	grey
0.6765106	0.04044379	0.1935354	0.5520467	0.9996642	0.6520294	3.41E-07	3.41E-07	blue
0.2433074	0.876741	0.06351922	0.17367	0.5746081	0.195904	0.06263002	0.06263002	turquoise
0.5660817	0.1793615	0.7471723	0.8503409	0.5189148	0.1013834	5.04E-09	5.04E-09	turquoise
0.3576123	0.3518258	0.609516	0.2463764	0.751423	0.06392971	0.54913	0.54913	grey
0.2133779	0.6182295	0.2904227	0.6246619	0.7399417	0.1309212	0.4056273	0.4056273	grey
0.5888532	0.5177204	0.5711584	0.630268	0.7585627	0.9872851	0.04709498	0.04709498	blue
0.5627377	0.1359097	0.04469345	0.5181688	0.2566232	0.6124495	2.14E-05	2.14E-05	green
0.0326263	0.1959467	0.00948659	0.4916262	0.6791566	0.08620985	0.08512887	0.08512887	grey
0.5917841	0.1201189	0.00155134	0.4654356	0.8706036	0.05703502	7.90E-05	7.90E-05	blue
0.6501413	0.777992	0.878253	0.6422297	0.3300732	0.4158385	0.1199937	0.1199937	turquoise
0.7055107	0.09675742	0.8551912	0.6996554	0.1905146	0.3027966	0.0003681	0.0003681	blue
0.2087703	0.00699064	0.03663568	0.927923	0.7523684	0.7965329	7.19E-07	7.19E-07	blue
0.3290365	0.6626452	0.8055301	0.9200198	0.3673498	0.6363954	0.00064448	0.00064448	grey
0.4208363	0.6962329	0.05830302	0.0210624	0.09701902	0.00770244	0.1992338	0.1992338	turquoise
0.5033635	0.3406658	0.1563822	0.9549997	0.5620617	0.6869912	0.04353404	0.04353404	turquoise
0.2620848	0.00301187	0.1393337	0.1916833	0.8641305	0.3907413	1.69E-07	1.69E-07	yellow
0.787956	0.3533564	0.5824465	0.0478444	0.4316429	0.5315873	0.00028495	0.00028495	greenyellow

0.08255953	0.9003375	0.09555256	0.6966793	0.1032096	0.4325431	0.2229816	0.2229816	grey
0.5981321	0.2386331	0.00375458	0.4278402	0.6071786	0.2117339	0.05741425	0.05741425	turquoise
0.5873757	0.08548791	0.9795407	0.5685035	0.2543649	0.04362495	1.06E-07	1.06E-07	blue
0.7505816	0.9933359	0.5411208	0.9954857	0.7074717	0.1131805	0.1194968	0.1194968	blue
0.1298461	0.1948698	0.01282822	0.8072506	0.230106	0.3284114	1.18E-06	1.18E-06	grey
0.3902046	0.02268776	0.05505757	0.1213122	0.5273467	0.00968981	0.02485357	0.02485357	grey
0.952075	0.4578819	0.00088757	0.060139	0.4984688	0.03555291	0.1682283	0.1682283	turquoise
0.8528743	0.6226133	0.7662418	0.5091183	0.5816415	0.1643446	0.1467105	0.1467105	grey
0.02678554	0.7706406	0.1560225	0.1758054	0.590238	0.2594764	0.00997513	0.00997513	turquoise
0.9817295	0.02924394	0.1261307	0.4766144	0.9765468	0.4544947	4.51E-12	4.51E-12	grey
0.2650085	0.3647503	0.9917805	0.3141569	0.1568513	0.6200147	3.39E-11	3.39E-11	turquoise
0.3676318	0.01299461	0.1212758	0.4360594	0.742078	0.4257413	0.5033027	0.5033027	greenyellow
0.03250145	0.5479186	0.8828747	0.732759	0.00157539	0.370936	0.1345899	0.1345899	grey
0.3991703	0.77017	0.3236974	0.1938362	0.3851134	0.7796588	0.00040048	0.00040048	grey
0.9708587	0.04982325	0.03704618	0.7544756	0.7259381	0.3208742	0.1320911	0.1320911	turquoise
0.5329943	0.08928116	0.7799988	0.9088189	0.599648	0.9600242	0.0457418	0.0457418	grey
0.07458417	0.4077552	0.01666938	0.059895	0.3245079	0.1278122	0.4621669	0.4621669	lightcyan
0.7531833	0.3322478	0.8270217	0.0940657	0.7920261	0.3281673	0.7349797	0.7349797	grey
0.4198725	0.01269265	0.9777387	0.6444106	0.8087163	0.6373768	2.26E-08	2.26E-08	brown
0.2756596	0.8965064	0.00762189	0.0351196	0.9097185	0.01355996	0.08816925	0.08816925	turquoise
0.1672386	0.2513968	0.7818473	0.8824971	0.5458555	0.1826446	0.07794134	0.07794134	grey
0.09190925	0.06915475	0.01505362	0.1079962	0.9002732	0.1475079	3.13E-05	3.13E-05	turquoise
0.8711981	0.08191792	0.2132671	0.2169317	0.970924	0.06235138	1.37E-12	1.37E-12	yellow
0.6875769	0.6421053	0.7357446	0.1600936	0.9751828	0.8049422	1.48E-11	1.48E-11	grey
0.5719347	0.615807	0.1317191	0.0902397	0.6888741	0.5767869	0.04646212	0.04646212	turquoise
0.9408757	0.2594614	0.00185194	0.1115946	0.6071835	0.00710884	0.01393876	0.01393876	turquoise
0.8282428	0.396254	0.07533999	0.3068116	0.8909263	0.08309661	0.00582004	0.00582004	turquoise
0.8173056	0.02865938	0.06716902	0.8011687	0.9630819	0.08433592	0.00012246	0.00012246	skyblue
0.358899	0.7512064	0.054108	0.2153623	0.3838961	0.09963114	0.681667	0.681667	darkgrey
0.02637349	0.2755553	0.1081866	0.1989142	0.5554006	0.1097985	0.02184511	0.02184511	grey
0.9799371	0.5170874	0.7103736	0.668783	0.6565832	0.7693363	0.5878695	0.5878695	grey
0.00017423	0.1538244	0.4957851	0.7868238	0.7271117	0.4631877	0.3164601	0.3164601	grey
0.9747499	9.16E-05	0.00191037	0.1092481	0.8028637	0.3060145	1.18E-24	1.18E-24	brown
0.3605566	0.3111948	0.9400758	0.3309293	0.3237914	0.2160324	4.16E-06	4.16E-06	turquoise
0.650803	0.1508935	0.4816364	0.1664826	0.5376429	0.3167302	0.2754744	0.2754744	grey
0.5589988	0.1964762	0.6030041	0.1069883	0.6894596	0.8388093	0.01672849	0.01672849	turquoise
0.8079575	0.2011167	0.0265373	0.8813465	0.6016074	0.6069047	1.63E-09	1.63E-09	magenta
0.7583788	0.2220992	0.01369036	0.7453799	0.4559432	0.09171642	9.65E-05	9.65E-05	turquoise
0.5242137	0.4016444	0.5262064	0.3733566	0.9846863	0.8081009	0.1196066	0.1196066	grey
0.9250245	0.1366638	0.02014125	0.4065361	0.6641279	0.05407211	0.3056571	0.3056571	turquoise
0.9050227	0.05234988	0.1281383	0.4856136	0.4107817	0.3073227	3.20E-16	3.20E-16	yellow
0.1260249	0.0537329	0.01889451	0.0174536	0.8758478	0.05843722	3.09E-05	3.09E-05	grey
0.8187546	0.628226	0.6851289	0.8689492	0.8006394	0.2309749	0.3955741	0.3955741	turquoise
0.1987322	0.4691152	0.00180286	0.3988023	0.9793489	0.07859178	0.00181873	0.00181873	turquoise
0.8886944	0.1094303	0.1585539	0.0379428	0.7289451	0.07115515	0.8635421	0.8635421	turquoise
0.04567689	0.9477941	0.09079785	0.8141981	0.5710434	0.6226489	0.00091707	0.00091707	turquoise
0.7755513	0.3490233	0.1277058	0.0007763	0.2624521	0.01381524	0.1253013	0.1253013	green
0.8844056	0.4412053	0.6721384	0.6323621	0.7722645	0.7609355	0.00360532	0.00360532	turquoise
0.0502947	0.0327267	0.2528531	0.7912251	0.4843408	0.1120045	0.04080935	0.04080935	blue
0.388464	0.961403	0.9373156	0.8264792	0.7539488	0.4138802	0.4880218	0.4880218	turquoise
0.01509913	0.02784538	0.1182759	0.6885217	0.3481383	0.9875053	5.01E-18	5.01E-18	yellow
0.1232062	0.06342105	0.02948015	0.0587062	0.8006659	0.9094838	3.66E-20	3.66E-20	lightyellow
0.5118675	0.5903162	0.1093007	0.596934	0.7207486	0.5126013	0.2650785	0.2650785	black
0.9593591	0.9814081	0.192197	0.6717837	0.9062632	0.03618909	0.3203801	0.3203801	turquoise
0.07808653	0.4279357	0.4047157	0.5833371	0.9322729	0.3937202	0.09832024	0.09832024	blue
0.3776861	0.03538446	0.02691045	0.9834999	0.5282983	0.2023152	0.00662725	0.00662725	grey
0.1427537	0.910711	0.7891139	0.7568243	0.8168238	0.8861346	0.1795659	0.1795659	grey
0.7453646	0.106044	0.09087645	0.8252599	0.5712933	0.2554786	0.07392199	0.07392199	turquoise
0.06486174	0.2624238	0.5213141	0.2100091	0.336516	0.7311012	0.3475977	0.3475977	tan
0.3675383	0.1240375	0.2094098	0.4403397	0.3735474	0.07044235	0.3889964	0.3889964	grey
0.2197013	0.6452125	0.3186398	0.7051717	0.5358269	0.2387547	0.5431215	0.5431215	grey

0.5736108	0.00071034	0.2680603	0.3791975	0.9783451	0.4029073	1.19E-07	1.19E-07	turquoise
0.6368649	0.6298179	0.01569477	0.3739648	0.8622214	0.05232219	0.5794543	0.5794543	turquoise
0.432781	0.9999379	0.00449292	0.301015	0.2226474	0.01238207	0.0029806	0.0029806	tan
0.03927025	0.8306696	0.06914141	0.0275628	0.3293373	0.04859073	0.6494832	0.6494832	lightcyan
0.5778669	0.04594002	0.0397559	0.0573609	0.03563537	0.1765412	0.03834755	0.03834755	grey
0.8404352	0.00075725	0.1628194	0.1061921	0.8058134	0.03873776	5.27E-05	5.27E-05	turquoise
0.8254465	0.4833012	0.03419572	0.0855103	0.680415	0.2505672	3.80E-07	3.80E-07	brown
0.9068907	0.6921351	0.3672947	0.6459393	0.6348474	0.8777151	0.9760197	0.9760197	purple
0.06387819	0.4419919	0.2710205	0.5720923	0.4166681	0.06362168	0.1561455	0.1561455	turquoise
0.7566871	0.6782679	0.06632966	0.4012192	0.8324017	0.06560697	0.5420496	0.5420496	blue
0.2903833	0.07860339	0.9438828	0.5932597	0.1926664	0.8348233	0.00055004	0.00055004	grey
0.1785624	0.402615	0.0139022	0.8645136	0.2977354	0.1033747	0.01235116	0.01235116	turquoise
0.9570595	0.5213174	0.2113349	0.6516529	0.9659635	0.6473856	0.9210023	0.9210023	turquoise
0.2619516	0.5373553	0.1192349	0.0677875	0.8465707	0.509427	0.2560403	0.2560403	turquoise
0.2702293	0.6474884	0.8445868	0.3338669	0.647636	0.2001887	0.1850325	0.1850325	purple
0.5193353	0.08031183	0.00162006	0.0784964	0.740522	0.1705726	0.00092076	0.00092076	turquoise
0.2556865	0.9926127	0.00348717	0.0840337	0.455517	0.04001355	0.07475445	0.07475445	grey
0.5471854	0.8675672	1.99E-05	0.0344094	0.8614222	0.1108249	0.00795193	0.00795193	turquoise
0.3629792	0.05710675	0.5380022	0.7291665	0.7967493	0.8701399	2.25E-09	2.25E-09	yellow
0.630859	0.3108955	0.7572647	0.8363036	0.8307863	0.1782725	0.185672	0.185672	grey
0.2696329	0.6092655	0.1164661	0.1651485	0.05410998	0.07034656	0.4530323	0.4530323	turquoise
0.1965307	0.256068	0.1145957	0.8295485	0.7762946	0.6588318	0.4533092	0.4533092	grey
0.050724	0.4525114	0.05080625	0.800107	0.02365764	0.4659782	0.6949366	0.6949366	grey
0.03494701	0.4947717	0.1049786	0.3525291	0.8742973	0.9962992	0.05486603	0.05486603	blue
0.00731228	0.5632672	0.6049825	0.1781299	0.3602784	0.6668279	0.8024106	0.8024106	grey
0.8169908	0.04873665	0.00050319	0.2864988	0.6788411	0.246703	6.05E-05	6.05E-05	brown
0.2030117	0.1525589	0.6122272	0.4468986	0.7712833	0.2682539	0.1670238	0.1670238	turquoise
0.7620923	0.6556566	0.00122775	0.0778781	0.3870595	0.1452597	0.2497801	0.2497801	turquoise
0.9780892	0.1128649	0.07108011	0.4783452	0.801081	0.5325413	1.47E-06	1.47E-06	grey
0.7891928	0.03886804	0.1356966	0.8427557	0.2707978	0.834132	0.000118	0.000118	grey
0.5200462	0.2465782	0.1784837	0.0267367	0.8366278	0.4067071	0.9207525	0.9207525	grey
0.8494959	0.05717504	0.2058308	0.7400167	0.4508814	0.3960609	0.00453731	0.00453731	turquoise
0.01085151	0.1161322	0.4403909	0.141977	0.1645017	0.1515748	0.8946856	0.8946856	grey
0.3408642	0.2293752	0.8399558	0.8857493	0.06103436	0.3753972	0.2186367	0.2186367	blue
0.4690759	0.3333442	0.271899	0.3351714	0.5169472	0.4644694	0.3455245	0.3455245	grey
0.4071183	0.8435552	0.8082173	0.9081393	0.8758354	0.5493931	0.00020457	0.00020457	grey
0.2671333	0.1397386	0.8234994	0.2176092	0.9881454	0.3864466	4.21E-05	4.21E-05	cyan
0.3770951	0.5709972	0.7608292	0.386879	0.5170204	0.5324687	0.02086797	0.02086797	grey
0.01266865	0.1287234	0.1179902	0.7494302	0.8441539	0.9137077	0.5146971	0.5146971	turquoise
0.2076641	0.3171702	0.2975163	0.4429693	0.8670186	0.9071431	0.5034584	0.5034584	grey
0.6882724	0.02903594	0.06793201	0.9054254	0.9692862	0.5891948	6.81E-10	6.81E-10	brown
0.9777397	0.4403948	0.06537437	0.6917059	0.7125806	0.247079	2.71E-08	2.71E-08	grey
0.292455	0.0109132	0.1548942	0.155083	0.1330814	0.2447167	0.00139278	0.00139278	grey
0.5115435	0.03838536	0.812549	0.4699001	0.04960815	0.5227833	0.00011964	0.00011964	blue
0.7581927	0.00297743	0.00258169	0.0585276	0.1529648	0.4682532	5.37E-14	5.37E-14	brown
0.5032196	0.8219018	0.6942579	0.6612594	0.7599082	0.8995436	0.2090365	0.2090365	grey
0.2222943	0.2174334	0.2677045	0.7956932	0.6669998	0.3696947	0.6631387	0.6631387	grey
0.222785	0.2862844	0.233133	0.4222122	0.09675158	0.7505672	0.01209421	0.01209421	grey
0.1597094	0.8545708	0.2583751	0.0349152	0.320658	0.09089798	0.05744858	0.05744858	grey
0.2270757	0.4953901	0.5371278	0.2098152	0.3052131	0.2277885	0.4820331	0.4820331	turquoise
0.837579	0.3467286	0.1862807	0.9389392	0.958359	0.9956937	0.5574319	0.5574319	turquoise
0.5026325	0.3037447	0.00704186	0.2975128	0.3967374	0.6515912	0.7093238	0.7093238	turquoise
0.7553063	0.4215894	0.1076613	0.8363032	0.9175244	0.07083024	0.5720627	0.5720627	blue
0.4602795	0.6889819	0.06058593	0.0449735	0.2067845	0.2528097	0.9525545	0.9525545	grey
0.1288628	0.5148378	0.2634494	0.5979263	0.9552426	0.4913077	0.438421	0.438421	grey
0.8812979	0.3770384	0.0833161	0.9112537	0.8822406	0.3592767	0.7056148	0.7056148	royalblue
0.46995	0.1015503	0.3784295	0.7460745	0.5318423	0.2421207	9.51E-05	9.51E-05	salmon
0.7894261	0.2436418	0.2533795	0.9059288	0.455403	0.1212271	0.0265601	0.0265601	turquoise
0.6876325	0.2971756	0.1276066	0.8579631	0.7476928	0.9028647	0.1265289	0.1265289	grey
0.4095189	0.00736457	0.2440586	0.5682325	0.7342185	0.6063051	0.9953519	0.9953519	grey
0.672854	0.02616655	0.01839895	0.1299959	0.489058	0.3182959	4.31E-12	4.31E-12	brown

0.7015351	0.3863476	0.00589317	0.5574144	0.9965912	0.5791035	0.2527085	0.2527085	turquoise
0.5971862	0.06197678	0.2236804	0.3229457	0.5109939	0.7197048	1.09E-18	1.09E-18	yellow
0.5672131	0.6308252	0.03934639	0.3140998	0.663324	0.09892497	0.04096549	0.04096549	turquoise
0.2152518	0.4465854	0.1071682	0.4935179	0.1864793	0.2943581	0.1280168	0.1280168	turquoise
0.01806396	0.01055588	0.2473601	0.2899238	0.6325566	0.3671233	1.44E-06	1.44E-06	blue
0.8186431	0.1255958	1.18E-05	0.0044032	0.04794302	0.3024831	2.73E-08	2.73E-08	magenta
0.1981248	0.1930654	0.1758964	0.4418217	0.7663875	0.6613905	0.9999761	0.9999761	grey
0.4563057	1.08E-05	0.168142	0.3739504	0.8918894	0.8818083	0.00034291	0.00034291	greenyellow
0.77964	0.7234798	0.1448425	0.7217559	0.5046068	0.6638405	0.6972117	0.6972117	turquoise
0.8991498	0.1409954	0.1466091	0.3946467	0.5805876	0.08208576	0.00222134	0.00222134	blue
0.6698531	0.5267572	0.4446003	0.4714846	0.8158286	0.3956933	0.8541547	0.8541547	turquoise
0.9145348	0.05169838	0.6424058	0.9282779	0.3386747	0.9315958	3.84E-05	3.84E-05	blue
0.6594514	0.2768751	0.9003028	0.4121076	0.5908721	0.5128846	1.61E-05	1.61E-05	blue
0.8198281	0.4125424	0.8494326	0.3334476	0.5642763	0.9923781	0.4320863	0.4320863	midnightblue
0.2841008	0.5721931	0.1432108	0.9364469	0.9601293	0.8385435	0.3542599	0.3542599	turquoise
0.4479682	0.00067749	0.1554478	0.8197961	0.5621729	0.64445	1.08E-06	1.08E-06	grey
0.4181101	0.5766999	0.04483422	0.0846301	0.4165235	0.09099962	0.0398389	0.0398389	green
0.9482846	0.02763388	0.6391735	0.85822	0.7631747	0.1225652	8.63E-05	8.63E-05	blue
0.4976258	0.03156851	0.00046004	0.2026906	0.3662359	0.6611399	9.96E-16	9.96E-16	yellow
0.5487898	0.6699025	0.1070794	0.2513721	0.4927348	0.328943	2.69E-05	2.69E-05	grey
0.1579514	0.9134	0.8661751	0.7805928	0.876958	0.9787219	9.15E-06	9.15E-06	grey
0.9809572	0.2869378	0.3414377	0.1769323	0.7672715	0.8296912	3.25E-05	3.25E-05	grey
0.4365615	0.524955	0.8600943	0.0283528	0.8545168	0.7457867	0.08685218	0.08685218	darkred
0.2520597	0.2570068	0.8519117	0.1295183	0.8684412	0.8080173	0.3214012	0.3214012	lightcyan
0.6661303	0.7018174	0.1911805	0.1410123	0.2433573	0.1442571	0.2908692	0.2908692	turquoise
0.1839249	0.6109831	0.02294631	0.1622237	0.9622	0.1056917	0.3171612	0.3171612	turquoise
0.5855827	0.08245187	0.6092964	0.0114293	0.4711151	0.7028672	0.7156491	0.7156491	blue
0.9566626	0.4148868	0.00802107	0.4709792	0.4684314	0.09001582	0.03656642	0.03656642	turquoise
0.2448358	0.03440598	0.2903474	0.3162789	0.752174	0.9410561	0.4448407	0.4448407	grey
0.1570346	0.9039602	0.1994193	0.7312815	0.5193902	0.408104	5.72E-05	5.72E-05	grey
0.5308758	0.4463223	0.7865241	0.2164148	0.9224169	0.7511855	1.38E-10	1.38E-10	yellow
0.6112763	0.00585825	0.7307258	0.9993946	0.8592879	0.7588147	0.01773172	0.01773172	grey
0.7899733	0.6896573	0.00985291	0.1946675	0.8924864	0.138404	0.2793311	0.2793311	turquoise
0.9371315	0.6079001	0.6929031	0.9195333	0.9778487	0.4964456	0.4922543	0.4922543	turquoise
0.00958289	0.2242525	0.08081312	0.5707713	0.7536752	0.2163768	0.02224036	0.02224036	blue
0.5396251	0.8061422	0.05988063	0.2742292	0.8897082	0.2858942	0.05139099	0.05139099	red
0.6268019	0.2132756	0.376448	0.8712779	0.5571619	0.9342436	0.0618284	0.0618284	turquoise
0.2033045	0.04449533	0.6632844	0.6732428	0.9400335	0.6791628	5.36E-12	5.36E-12	yellow
0.01564082	0.3325336	0.4935185	0.0849819	0.5837336	0.7186478	0.3334323	0.3334323	grey
0.4782055	0.4438817	0.5772345	0.6904147	0.6556405	0.7524811	0.7799029	0.7799029	grey
0.566633	0.4336084	0.7414999	0.2144572	0.7578376	0.2076641	0.00560981	0.00560981	grey
0.5424697	0.00494176	0.00428559	0.0924363	0.4451617	0.1300992	0.00021798	0.00021798	grey
0.879533	0.9413935	0.2479531	0.7473153	0.4490021	0.8186087	3.85E-06	3.85E-06	grey
0.6523592	0.7123445	0.04599353	0.1082861	0.1549053	0.5460844	0.00344129	0.00344129	grey
0.3507406	0.01026675	0.6506953	0.6681252	0.4726883	0.2490284	1.42E-05	1.42E-05	blue
0.8902417	0.04642034	0.2931171	0.881915	0.3874818	0.1271359	6.22E-06	6.22E-06	blue
0.6236908	0.01996242	0.4298426	0.7188658	0.5646302	0.5967808	0.03394138	0.03394138	darkgreen
0.5878609	0.8631799	0.06789124	0.1223149	0.492881	0.02756998	0.9435899	0.9435899	turquoise
0.03455863	0.2631502	0.6512048	0.3492667	0.4409505	0.9154957	0.5978523	0.5978523	grey
0.9213919	0.1569458	0.1283877	0.1784012	0.6834866	0.3688866	0.00358438	0.00358438	turquoise
0.3764843	0.3590043	0.5355158	0.5178006	0.7496466	0.5377834	8.06E-06	8.06E-06	blue
0.1865747	0.3955021	0.05052963	0.6355462	0.6316219	0.3571756	0.02871037	0.02871037	grey
0.659908	0.1495417	0.00839149	0.2582615	0.6545354	0.06861886	1.78E-12	1.78E-12	green
0.2773505	0.01337171	0.4880745	0.2071331	0.4458616	0.4263694	7.26E-06	7.26E-06	blue
0.1757132	0.5339814	0.6930238	0.6450746	0.876987	0.7967555	0.5148873	0.5148873	blue
0.649121	0.05414625	0.105703	0.6874258	0.03242157	0.2406692	3.25E-08	3.25E-08	grey
0.2782616	0.3326695	0.02862575	0.7114545	0.3876823	0.6492718	0.2145815	0.2145815	darkorange
0.05113023	0.3040988	0.1508771	0.0580639	0.9871314	0.5710823	0.0262448	0.0262448	lightcyan
0.1788632	0.9703326	0.00173464	0.0369501	0.3708947	0.00392809	0.0128322	0.0128322	turquoise
0.9063714	0.820225	0.00426981	0.0008609	0.7629709	0.4112169	0.1899255	0.1899255	turquoise
0.6138176	0.2290049	0.7435346	0.2263919	0.5582178	0.09803032	1.01E-05	1.01E-05	lightgreen

0.178399	0.7211609	0.8053193	0.9431678	0.8675557	0.8506833	0.2534485	0.2534485	turquoise
0.1974678	0.2106877	0.5955815	0.3626901	0.06701312	0.8261652	0.0653484	0.0653484	turquoise
0.1922847	0.8186472	0.1262203	0.0171896	0.05570496	0.1376832	0.3656625	0.3656625	turquoise
0.8657139	0.4231497	0.8981329	0.6655714	0.5998522	0.3370189	8.44E-05	8.44E-05	brown
0.3515176	0.8313605	0.18556	0.3512562	0.8778038	0.8848859	0.03789597	0.03789597	grey
0.3429808	0.2547613	0.04444463	0.6125878	0.450634	0.9715613	2.58E-05	2.58E-05	grey
0.2407043	0.276412	0.9886807	0.2313561	0.5254062	0.9234405	0.136166	0.136166	salmon
0.3767994	0.04603736	0.8443374	0.2351887	0.2855606	0.7443588	0.1329513	0.1329513	blue
0.2774296	0.6597473	0.8313681	0.6149063	0.6263452	0.3930922	0.00642935	0.00642935	grey
0.5709841	0.01842806	0.2209414	0.2105094	0.8342533	0.1387745	4.25E-12	4.25E-12	blue
0.3507476	0.4477907	0.09001778	0.8269777	0.7109329	0.4378419	0.4954169	0.4954169	grey60
0.1006242	0.7532415	0.07303303	0.6344186	0.1829492	0.7170289	0.02398712	0.02398712	tan
0.07434635	0.2448128	0.2141212	0.0086121	0.3293345	0.2363005	0.5559611	0.5559611	grey
0.3279855	0.9443525	0.03418165	0.561897	0.925893	0.5086951	0.00010919	0.00010919	tan
0.5901793	0.04588003	0.1255437	0.4024052	0.9757179	0.4567999	0.3415687	0.3415687	darkred
0.6476165	0.8730346	0.3552723	0.463638	0.6158207	0.6483615	0.0035155	0.0035155	blue
0.8928021	0.7916979	0.7602286	0.5083379	0.8466349	0.6729307	0.4502265	0.4502265	grey
0.8289067	0.794038	0.07674182	0.0267026	0.4739875	0.5623369	0.9767469	0.9767469	grey
0.9653322	0.7387084	7.34E-06	0.3850645	0.6380565	0.05881456	0.8874907	0.8874907	turquoise
0.1395517	0.7788021	0.2724604	0.6050244	0.454902	0.545067	0.00982701	0.00982701	grey
0.1847706	0.8767667	0.3637753	0.4509083	0.3378295	0.937587	0.2496641	0.2496641	turquoise
0.1231781	0.1250086	0.468176	0.2190897	0.4615527	0.4284648	0.01054662	0.01054662	blue
0.7286113	0.01348653	0.7178053	0.6751329	0.8787469	0.5711043	0.00884762	0.00884762	blue
0.4228851	0.18445	0.9718485	0.2829126	0.2909527	0.8635302	2.07E-07	2.07E-07	grey
0.2504472	0.00439764	0.06352442	0.0487688	0.5104011	0.5608923	0.2163891	0.2163891	turquoise
0.03801173	0.5735267	0.08451182	0.0051347	0.3102237	0.00031224	0.5189899	0.5189899	turquoise
0.8218483	0.00016389	0.2016265	0.2420476	0.7869586	0.9304716	1.67E-16	1.67E-16	brown
0.7252091	0.6809453	0.198407	0.9267427	0.7980254	0.7560527	3.19E-05	3.19E-05	turquoise
0.1161522	0.6770196	0.01856253	0.6395588	0.8190025	0.4773662	0.00039001	0.00039001	turquoise
0.07090081	0.1273357	0.2967413	0.8739243	0.1475919	0.07083112	0.01046688	0.01046688	skyblue
0.8424271	0.4628452	0.2502863	0.7207607	0.9863593	0.7485757	0.01132995	0.01132995	grey
0.1547403	0.550286	0.274181	0.2671446	0.2257953	0.1340413	0.04677602	0.04677602	turquoise
0.9306793	0.5547153	0.00070737	0.5200692	0.571528	0.4268555	9.32E-12	9.32E-12	yellow
0.4913136	0.04995247	0.00145871	0.0868748	0.624946	0.06328343	0.173819	0.173819	pink
0.9223266	0.9961959	0.4820892	0.7572481	0.7724476	0.9464969	0.01512126	0.01512126	turquoise
0.1251659	0.6016146	0.08675288	0.4408035	0.5455268	0.5416884	0.03341266	0.03341266	turquoise
0.1516589	0.4517677	0.00917554	0.1028782	0.5236241	0.00858369	0.04873529	0.04873529	turquoise
0.1574935	0.1856407	0.04746188	0.7926169	0.4271649	0.190949	0.00759869	0.00759869	grey
0.5252727	0.6423494	0.1546617	0.7837009	0.668137	0.02586999	0.03772532	0.03772532	turquoise
0.01034128	0.09672464	0.7230894	0.5698744	0.8219735	0.9602819	6.44E-05	6.44E-05	blue
0.9731312	0.3664166	0.1598139	0.5546632	0.807396	0.3317095	0.1415109	0.1415109	blue
0.5477215	0.00086219	0.03561906	0.2939921	0.5598954	0.5732289	8.84E-27	8.84E-27	brown
0.7589773	0.8870164	0.05623009	0.0929806	0.5959091	0.05224948	0.00038015	0.00038015	black
0.7347702	0.9762461	0.00539524	0.4134829	0.292184	0.04393666	0.02532369	0.02532369	turquoise
0.03609562	0.3581443	0.5684116	0.0416465	0.2644985	0.2993386	0.01091873	0.01091873	turquoise
0.7455009	0.7696798	0.9544365	0.9833192	0.9586168	0.5588894	0.02589956	0.02589956	blue
0.5231827	0.5916156	0.9857409	0.770044	0.9343212	0.2010155	0.7456652	0.7456652	grey
0.3306771	0.4017071	0.6686476	0.4114784	0.9916359	0.7895054	0.1305037	0.1305037	black
0.3429114	0.7633842	0.00082811	0.4872768	0.307223	0.3329628	0.00114495	0.00114495	grey
0.4169508	0.4453164	0.7543617	0.6678299	0.637174	0.605546	0.5892407	0.5892407	grey
0.06674664	0.6809419	0.1535495	0.0126108	0.6951865	0.2992669	7.56E-05	7.56E-05	grey
0.1179177	0.4671362	0.3169016	0.6870886	0.9222597	0.6594646	0.00012246	0.00012246	grey
0.5018982	0.06976922	0.9314827	0.251655	0.7573146	0.6722264	0.00954554	0.00954554	blue
0.7765244	0.3158284	0.6944953	0.7989779	0.4658669	0.6720425	0.1335279	0.1335279	red
0.2687403	0.7231491	0.8013507	0.5530206	0.5939069	0.6176198	0.8544465	0.8544465	red
0.957302	0.02276412	0.6298345	0.5343989	0.3638318	0.02858934	0.00024982	0.00024982	grey
0.1704216	0.00018518	0.05007633	0.1231901	0.3051896	0.8065285	2.56E-16	2.56E-16	yellow
0.8360942	0.2665986	0.144216	0.5042021	0.805445	0.6189722	0.03326537	0.03326537	magenta
0.9861405	0.0476574	0.2411722	0.806172	0.7290923	0.6885059	0.1772647	0.1772647	blue
0.4151962	0.1900946	0.742625	0.5844642	0.529942	0.2036753	0.3800692	0.3800692	turquoise
0.9054231	0.05259835	0.5394085	0.3048406	0.4941559	0.2296808	0.05891796	0.05891796	green

0.2575997	0.7564229	0.88679	0.9497993	0.471501	0.800368	0.4278016	0.4278016	lightgreen
0.8036572	0.02132846	0.6895882	0.6167405	0.03502507	0.7080314	0.01894378	0.01894378	grey
0.1205722	0.2983676	0.01375009	0.2468417	0.3721316	0.471869	1.38E-17	1.38E-17	brown
0.1253177	0.9737319	0.06713467	0.3638188	0.8475538	0.1581684	0.9895498	0.9895498	turquoise
0.9226459	0.8944212	0.5824748	0.8708641	0.9824088	0.9059084	0.7568771	0.7568771	turquoise
0.9445253	0.4807386	0.5530942	0.0054233	0.7586044	0.213858	0.5333184	0.5333184	blue
0.9011287	0.3634754	0.4675319	0.3135549	0.2478759	0.7527284	0.00501087	0.00501087	blue
0.13026	0.419719	0.159309	0.3988539	0.5973445	0.9964289	0.00207554	0.00207554	grey
0.5898429	0.9903681	0.01260482	0.7714071	0.9769502	0.2299279	8.25E-09	8.25E-09	brown
0.7525239	0.4753562	0.06202525	0.8608921	0.5105398	0.8949045	0.02393468	0.02393468	grey
0.6976064	0.07558346	0.5195612	0.5096983	0.8915335	0.9830333	8.39E-09	8.39E-09	blue
0.8035973	0.1358745	0.05484889	0.7562185	0.3408498	0.08152492	3.55E-08	3.55E-08	blue
0.230789	0.673894	0.01310249	0.030918	0.8608335	0.04766549	0.2764419	0.2764419	turquoise
0.07159395	0.6347627	0.7112415	0.8558653	0.9890608	0.08419759	4.12E-05	4.12E-05	grey
0.1985238	0.1819377	0.8645359	0.9835704	0.4828201	0.342923	2.66E-09	2.66E-09	blue
0.7177717	0.3905557	0.02805158	0.9359904	0.7805161	0.5860171	9.11E-13	9.11E-13	brown
0.125773	0.7738409	0.9976254	0.6937668	0.868719	0.409162	0.03358495	0.03358495	darkgreen
0.1729557	0.2400277	0.4395215	0.1906027	0.8184908	0.575969	0.01080289	0.01080289	blue
0.2506113	0.2188152	0.09304674	0.8109555	0.7428259	0.3121082	0.6897229	0.6897229	grey
0.1207271	0.4558096	0.4507664	0.6032959	0.4252028	0.5349588	0.977978	0.977978	grey
0.4137089	0.2839517	0.1513589	0.2813821	0.4754672	0.00743704	0.6096172	0.6096172	blue
0.6618375	0.63458	0.01609968	0.8673038	0.629231	0.2496162	0.7654829	0.7654829	turquoise
0.1711511	0.5222381	0.2006181	0.6659166	0.7333758	0.8680054	0.2933751	0.2933751	grey
0.1320297	0.7939057	0.1480183	0.8353889	0.9012698	0.6482823	0.4140495	0.4140495	green
0.7185213	0.00463345	0.2769065	0.2470281	0.7917133	0.1716701	0.0551486	0.0551486	turquoise
0.3503844	0.6749825	0.3072313	0.5219662	0.5433188	0.2108837	0.01163465	0.01163465	blue
0.06168294	0.03409339	0.02923241	0.1239586	0.753634	0.225102	0.07003491	0.07003491	grey
0.3426963	0.3440483	0.02481762	0.7750547	0.7703621	0.459984	5.31E-05	5.31E-05	green
0.1308985	0.6489668	0.1375398	0.1987763	0.5521746	0.172989	0.7417992	0.7417992	turquoise
0.3424515	0.00591529	0.1352358	0.9655415	0.9183588	0.6469346	1.29E-08	1.29E-08	brown
0.00500968	0.02933221	0.08774571	0.7865465	0.5042145	0.319963	5.74E-06	5.74E-06	blue
0.2714655	0.7589603	0.2616575	0.8546403	0.5137463	0.5552083	0.1899379	0.1899379	blue
0.8392467	0.03043781	0.4761336	0.0086358	0.780689	0.0128541	0.2006195	0.2006195	grey
0.280588	0.6350989	0.5750461	0.3411013	0.7147084	0.9906253	0.363449	0.363449	red
0.1089078	0.5519618	0.0017183	0.0151258	0.2321268	0.2070969	0.04225499	0.04225499	green
0.6439462	0.1920091	0.1742079	0.5984311	0.886871	0.9063349	0.02424594	0.02424594	blue
0.2851709	0.5908995	0.00041314	0.025784	0.4591943	0.00823933	0.04494705	0.04494705	turquoise
0.5405498	0.5965767	0.3673016	0.5951149	0.1753911	0.3797939	0.03594333	0.03594333	grey
0.863927	0.5884586	0.5342911	0.1476609	0.7775239	0.6082805	0.0082293	0.0082293	grey
0.5197755	0.3176183	0.03970772	0.3569083	0.8141353	0.6541061	0.09327386	0.09327386	blue
0.6132072	0.7310325	0.7644033	0.9295315	0.4060277	0.4544612	0.08970603	0.08970603	grey
0.54012	0.9334012	0.02250613	0.2561093	0.7204081	0.2385962	0.1564497	0.1564497	pink
0.5226622	0.2223143	0.2319208	0.3027	0.5450166	0.07263332	0.00368985	0.00368985	turquoise
0.9164477	0.991789	0.2487985	0.2822409	0.9933968	0.2432785	0.06500015	0.06500015	red
0.3731819	0.08160937	0.852854	0.9587985	0.3258586	0.5549837	0.7199511	0.7199511	grey
0.7965402	0.2075594	0.00566778	0.3882858	0.7021262	0.02313945	0.5101389	0.5101389	turquoise
0.1900855	0.8309409	0.8922428	0.3734321	0.3397517	0.4266302	0.6872729	0.6872729	blue
0.4448443	0.5450772	0.2242132	0.1069071	0.4697212	0.2435946	0.8271012	0.8271012	lightcyan
0.2590197	0.8978656	0.03691206	0.1612591	0.1557462	0.1214552	0.1340873	0.1340873	grey
0.2961041	0.5917085	0.1228217	0.0578027	0.7437498	0.2320633	0.01157403	0.01157403	grey
0.5921869	0.0413943	0.2357543	0.1041345	0.9341062	0.5295218	0.2236376	0.2236376	turquoise
0.9648926	0.2692274	0.2252665	0.8669755	0.7345912	0.2023545	6.04E-06	6.04E-06	blue
0.7265898	0.5335714	0.00539849	0.1820493	0.3732356	0.1220324	0.09328864	0.09328864	turquoise
0.9526993	0.2767248	0.5918375	0.085228	0.9109149	0.06701725	0.2207916	0.2207916	grey
0.3836381	0.7560406	0.9397065	0.4876111	0.6796485	0.1086631	0.7554333	0.7554333	turquoise
0.9200067	0.9166843	0.5638551	0.1379985	0.1865849	0.2037207	0.03717932	0.03717932	cyan
0.9749826	0.550522	0.5832577	0.2281578	0.7171782	0.567096	3.47E-06	3.47E-06	blue
0.4255541	0.629724	0.03618042	0.4787124	0.7913622	0.1996244	0.6535074	0.6535074	turquoise
0.6190294	0.01406011	0.00219755	0.1922752	0.7000508	0.5916952	0.2763654	0.2763654	magenta
0.6927742	0.05083436	0.0051238	0.1467759	0.3676223	0.08331273	6.99E-05	6.99E-05	turquoise
0.1702931	0.0582785	0.8554481	0.1893458	0.5870669	0.6193841	2.02E-05	2.02E-05	turquoise

0.2214506	0.7206781	0.00279777	0.2149689	0.03835969	0.1001059	0.4401141	0.4401141	turquoise
0.04082764	0.2944414	0.8057677	0.1855076	0.1503014	0.1162305	0.118901	0.118901	turquoise
0.2610314	0.8734959	0.01404246	0.4377697	0.1397661	0.8739033	0.06110811	0.06110811	grey
0.2437429	0.04184853	0.8242092	0.9492322	0.6065645	0.5341898	1.48E-06	1.48E-06	turquoise
0.7500652	0.3400808	0.9273789	0.9486487	0.2310238	0.2188883	0.6348396	0.6348396	grey
0.8191601	0.01989621	0.1112471	0.1937986	0.2292574	0.6748997	0.2700635	0.2700635	blue
0.1559998	0.1721447	0.03739083	0.4905351	0.8621318	0.5320882	0.8740096	0.8740096	turquoise
0.157618	0.4100255	0.3657637	0.6924462	0.6768747	0.8963415	0.01545579	0.01545579	grey
0.4033347	0.1333887	0.06761874	0.0657387	0.7149781	0.2341939	0.00045478	0.00045478	turquoise
0.2985577	0.09912316	0.1285255	0.8659179	0.7375714	0.4250532	0.03510008	0.03510008	turquoise
0.2448216	0.8063113	0.37681	0.2965099	0.3198168	0.3341529	0.387898	0.387898	grey
0.4097123	0.3163568	0.3555179	0.5294809	0.6832614	0.1443095	0.2402929	0.2402929	blue
0.1056864	0.5656807	0.7779625	0.7238588	0.5748417	0.7886315	0.05627604	0.05627604	turquoise
0.4768698	0.3812849	0.2757156	0.1910524	0.4690823	0.4224272	0.9370267	0.9370267	turquoise
0.6111854	0.8923395	0.9223212	0.5503657	0.03279163	0.5115258	0.2262285	0.2262285	blue
0.7615335	0.00393095	0.00019309	0.054009	0.8271555	0.8268428	1.59E-35	1.59E-35	yellow
0.9925966	0.4109857	0.00090103	0.0195526	0.2416977	0.5393527	3.01E-10	3.01E-10	green
0.7359192	0.6093902	0.8880748	0.7583155	0.429691	0.8796253	0.2382654	0.2382654	turquoise
0.9150371	0.8409726	0.3652534	0.4398863	0.5738694	0.05697123	0.7941404	0.7941404	grey
0.7290042	0.08688248	0.5513289	0.8771933	0.2265345	0.2987773	0.00012149	0.00012149	turquoise
0.2315715	0.02902249	0.00775676	0.049628	0.4970176	0.145229	3.36E-08	3.36E-08	green
0.9123693	0.7328372	0.00171387	0.2448168	0.8130053	0.03174948	0.8320853	0.8320853	turquoise
0.8001583	0.6674323	0.5968897	0.7799036	0.8384323	0.04019237	0.00018787	0.00018787	orange
0.7542639	0.3596262	0.5128295	0.1940347	0.2477183	0.6819058	0.00339332	0.00339332	grey
0.5140462	0.4194824	0.1871784	0.876895	0.7640427	0.08234606	0.0023899	0.0023899	turquoise
0.08948888	0.6051423	0.4349362	0.436882	0.8970771	0.06984633	7.05E-06	7.05E-06	grey
0.3161945	0.8897923	0.00239275	0.0405532	0.9239173	0.1644904	0.7784132	0.7784132	turquoise
0.1143259	0.9553298	0.07752204	0.6969605	0.9114298	0.8694405	0.3390026	0.3390026	grey
0.2130839	0.1692366	0.5328785	0.7141314	0.7291612	0.5739851	0.4512523	0.4512523	grey
0.3012509	0.1845007	0.2393651	0.0493401	0.6736763	0.04534921	2.26E-07	2.26E-07	turquoise
0.1051608	0.3737844	0.9650996	0.5083241	0.04622395	0.8362903	0.01521114	0.01521114	blue
0.4792476	0.6313757	0.3766629	0.7769142	0.7808743	0.1842952	0.08280004	0.08280004	turquoise
0.8587157	0.3746759	0.8850215	0.6463028	0.6070431	0.3374754	0.2128936	0.2128936	grey
0.3704645	0.4679623	0.7694068	0.6707205	0.7480941	0.3124669	0.00794312	0.00794312	blue
0.4528324	4.69E-05	0.00298772	0.1345823	0.5529851	0.1680437	6.27E-10	6.27E-10	brown
0.3696845	0.760696	0.8143391	0.4489723	0.2696098	0.8770133	0.1817082	0.1817082	grey
0.03753804	0.06163486	0.05573507	0.9411665	0.5912746	0.5559663	0.04404054	0.04404054	grey
0.06361888	0.02604442	0.9809001	0.245914	0.6431471	0.6129248	0.00538979	0.00538979	blue
0.2782087	0.07186184	0.4620449	0.3716754	0.8067432	0.7327499	1.44E-05	1.44E-05	blue
0.6143417	0.3056956	0.1458875	0.9831906	0.8211943	0.6088924	1.29E-07	1.29E-07	blue
0.3506353	0.1676001	0.3332166	0.7814944	0.6712861	0.1973674	8.11E-05	8.11E-05	turquoise
0.2291429	0.2989921	0.8849353	0.6165862	0.5465808	0.6499892	0.4703717	0.4703717	grey
0.9200704	0.1168851	0.00037695	0.0148225	0.5084187	0.01529685	0.3488427	0.3488427	turquoise
0.160656	0.6249243	0.1588152	0.5721333	0.6844442	0.3582131	0.2170474	0.2170474	darkgrey
0.8898394	0.3656935	0.226934	0.2459433	0.4686366	0.2528633	0.3888469	0.3888469	blue
0.4593591	0.9582126	0.1517798	0.5274969	0.9610535	0.4770935	0.6568138	0.6568138	greenyellow
0.8875595	0.3016602	0.1013827	0.6728742	0.9627395	0.07412513	0.00098566	0.00098566	turquoise
0.3398886	0.578485	0.3803656	0.0850026	0.6185853	0.00081055	0.946444	0.946444	grey
0.4723083	0.2179464	0.2300756	0.8507464	0.6185274	0.4232702	0.4998193	0.4998193	black
0.4774541	0.1625546	0.05482533	0.2649162	0.3303878	0.7270886	2.73E-08	2.73E-08	grey
0.8764661	0.8924087	0.01860772	0.0392618	0.6068291	0.05422479	0.3962688	0.3962688	turquoise
0.07608032	0.5596411	0.8725266	0.8598139	0.07230374	0.5765788	0.1411159	0.1411159	grey
0.8114301	0.00690679	0.2594845	0.8077982	0.9822942	0.8945766	0.00264677	0.00264677	blue
0.6069942	0.8082257	0.2540959	0.7086975	0.01687481	0.662343	0.01437369	0.01437369	red
0.00764193	0.8667079	0.5284113	0.5130341	0.8307708	0.2625128	0.7949411	0.7949411	grey
0.05179351	0.6121036	0.8252916	0.7919393	0.8164955	0.8809748	1.87E-07	1.87E-07	blue
0.2386495	0.06561594	0.3221872	0.4625461	0.6968471	0.358782	0.6655492	0.6655492	grey
0.4756384	0.6868855	0.7810577	0.3894551	0.7242949	0.5163468	0.3148016	0.3148016	royalblue
0.9893144	0.01879375	0.9368429	0.5617391	0.6916134	0.8816979	1.23E-06	1.23E-06	grey
0.8647257	0.9753192	0.2021399	0.2935447	0.3616965	0.5244887	0.6294321	0.6294321	grey
0.7984332	0.03145302	0.08981772	0.8203421	0.3072118	0.6591847	0.07384256	0.07384256	turquoise

0.9400315	0.8072156	0.2440072	0.6290637	0.2741808	0.0841588	0.8892618	0.8892618	grey
0.6617841	0.2539284	0.7934467	0.2877245	0.9775002	0.7300841	0.02092769	0.02092769	blue
0.3182508	0.00449662	0.1440633	0.9306019	0.6695203	0.2464825	2.91E-05	2.91E-05	blue
0.5973555	0.5695275	0.2072725	0.9880588	0.9154786	0.9623492	0.7884913	0.7884913	turquoise
0.5200756	0.6634868	0.00016658	0.2772036	0.6149136	0.2013204	0.09645983	0.09645983	turquoise
0.8783051	0.1950387	0.8691183	0.1113381	0.6188297	0.7264669	0.0366541	0.0366541	royalblue
0.8488403	0.382363	0.8066756	0.3282969	0.9317315	0.6835913	0.02075724	0.02075724	blue
0.4699241	0.7942506	0.2402516	0.9539747	0.6996147	0.2265755	0.8773763	0.8773763	turquoise
0.9135085	0.560709	3.46E-06	0.0427407	0.9153009	0.04477285	0.01316116	0.01316116	magenta
0.9067815	0.27544	0.0044762	0.4516353	0.3379822	0.3418097	9.06E-08	9.06E-08	turquoise
0.3471114	0.6829547	0.5728206	0.8975001	0.9042499	0.9026758	0.6063416	0.6063416	grey
0.4094548	0.7242171	0.05099179	0.1774864	0.7528117	0.2213393	0.329374	0.329374	pink
0.6028277	0.573491	0.54746	0.5933663	0.7348147	0.7536945	0.7754687	0.7754687	turquoise
0.9569985	0.06676417	0.1329819	0.5474581	0.00195007	0.2252032	0.01639606	0.01639606	turquoise
0.4462865	0.8407418	0.02596451	0.0309163	0.3420618	0.06167631	3.00E-05	3.00E-05	yellow
0.390875	0.0113421	0.1226495	0.8755178	0.7468918	0.4052426	1.65E-10	1.65E-10	brown
0.8119937	0.9164593	0.0403722	0.1221751	0.8993656	0.7725435	7.44E-05	7.44E-05	grey
0.7304035	0.2434547	0.00118297	0.03542	0.528566	0.00547634	0.8634076	0.8634076	turquoise
0.2236183	0.3613202	0.00112785	0.5668134	0.4470805	0.3550957	0.17743	0.17743	green
0.4964126	0.6400411	0.05522939	0.5526138	0.7663198	0.4318598	0.00067568	0.00067568	turquoise
0.1377162	0.5563586	0.5881362	0.0703957	0.02613743	0.9253341	0.4293191	0.4293191	turquoise
0.9842486	0.290158	0.3701812	0.0857577	0.3531865	0.3252379	0.5997491	0.5997491	purple
0.3576758	0.0201652	0.298682	0.1637572	0.6568156	0.6205963	0.00319679	0.00319679	grey
0.285544	0.02659148	0.023837	0.2548031	0.304766	0.3133106	0.00029772	0.00029772	green
0.472478	0.06291285	0.00335912	0.450777	0.4192578	0.8745802	1.70E-11	1.70E-11	brown
0.992233	0.1177246	0.4443297	0.8557277	0.4982388	0.6616466	0.1404787	0.1404787	turquoise
0.5102271	0.450053	0.09119113	0.5946284	0.1972361	0.4218091	0.00019721	0.00019721	grey
0.4827438	0.0079138	0.06079651	0.4192488	0.3439251	0.9225099	2.38E-12	2.38E-12	brown
0.5798589	0.520175	0.04920224	0.2938009	0.8456334	0.2577468	9.86E-22	9.86E-22	yellow
0.2008761	0.2527407	0.03056021	0.9724331	0.6776449	0.4918822	0.2455363	0.2455363	turquoise
0.1167475	0.2320389	0.4477849	0.7019889	0.7567548	0.7520062	6.67E-06	6.67E-06	grey
0.4009123	0.5041189	0.02302372	0.2426761	0.04910971	0.6040631	0.00043897	0.00043897	grey
0.04507341	0.09832203	0.07375097	0.9518718	0.3582243	0.7768199	0.6846728	0.6846728	grey
0.3638822	0.64844	0.7736708	0.6605855	0.9446352	0.6945165	0.02510209	0.02510209	blue
0.06669132	0.2217518	0.4967303	0.2796871	0.7514591	0.999151	0.4525581	0.4525581	grey
0.05749909	0.07777812	0.00070295	0.5411713	0.8633408	0.6748106	4.04E-06	4.04E-06	purple
0.8283073	0.9094422	0.6677414	0.7169823	0.3921247	0.09848691	0.2567772	0.2567772	purple
0.4505782	0.5735336	0.5695632	0.9936363	0.3046318	0.2522837	0.03407431	0.03407431	blue
0.9022271	0.5707799	0.04361838	0.5137451	0.4399486	0.03813861	0.3518168	0.3518168	turquoise
0.2028213	0.1169655	0.9554467	0.5011717	0.7668182	0.3877672	0.00020956	0.00020956	blue
0.5422675	0.483568	0.07505806	0.328141	0.7228131	0.02414879	0.0085428	0.0085428	blue
0.6394578	0.9133733	0.8685594	0.3433021	0.8668101	0.9492874	0.66383	0.66383	grey
0.1019047	0.1793871	0.4362366	0.1917124	0.3895823	0.1926866	0.06990648	0.06990648	turquoise
0.7134143	0.414683	0.2149914	0.982625	0.5149777	0.409016	0.3233445	0.3233445	green
0.1030728	0.06441262	0.3924369	0.2629925	0.7366635	0.2802817	0.2631703	0.2631703	grey
0.6517805	0.4145083	0.382881	0.2053323	0.8768803	0.00868417	0.8986107	0.8986107	grey
0.408537	0.8252159	0.6445001	0.9867828	0.06698607	0.7122042	0.9839659	0.9839659	blue
0.3586476	0.6485604	0.4643684	0.6714547	0.9732839	0.4860811	0.5085389	0.5085389	grey
0.699787	0.5650605	0.1545824	0.1931487	0.3913713	0.9061097	0.2217808	0.2217808	grey
0.4403491	0.4327578	0.458793	0.6747658	0.5064281	0.8678328	0.0356562	0.0356562	royalblue
0.9617414	0.1381947	0.899475	0.9089122	0.8815194	0.2180585	0.00044334	0.00044334	brown
0.2845896	0.1171369	0.5749047	0.0184125	0.9259409	0.5437405	0.04715495	0.04715495	blue
0.2379771	0.1079124	0.1576445	0.2495574	0.7609363	0.5796898	0.9837597	0.9837597	grey
0.9074106	0.8301314	0.1765987	0.530953	0.7164827	0.2921665	0.8648163	0.8648163	turquoise
0.3154291	0.01885782	0.864259	0.2954688	0.770701	0.2932834	0.2125872	0.2125872	turquoise
0.8999858	0.6559388	0.9149756	0.9483249	0.2035073	0.2990296	0.4944371	0.4944371	grey
0.6225873	0.00486908	0.08746375	0.3449927	0.5436664	0.3477934	0.131544	0.131544	grey
0.1229828	0.2411127	0.04851146	0.45582	0.8336033	0.5993776	0.7711046	0.7711046	green
0.02574283	0.06971525	0.1951315	0.9039955	0.8973453	0.4377456	0.00013287	0.00013287	grey
0.05637719	0.01432415	0.1831218	0.0909555	0.2184146	0.659399	1.87E-05	1.87E-05	blue
0.5949251	0.01819488	0.01097937	0.5346252	0.7616121	0.2315099	1.72E-08	1.72E-08	brown

0.6865314	0.01208283	0.5560803	0.1686987	0.8799432	0.09254193	8.42E-07	8.42E-07	blue
0.1215397	0.01321593	0.1033726	0.3378406	0.6173462	0.719201	8.54E-10	8.54E-10	black
0.1577076	0.5000511	0.5576652	0.3520203	0.8133159	0.4639395	0.000111	0.000111	grey
0.6702805	0.5713371	0.01851708	0.4135665	0.7531383	0.7900769	0.00053376	0.00053376	green
0.3178814	0.2828694	0.07530411	0.9487906	0.7458099	0.2677941	1.52E-21	1.52E-21	green
0.3293943	0.9156058	0.4879219	0.140177	0.9821513	0.8734157	0.1287762	0.1287762	blue
0.8483617	0.9700464	0.2385975	0.2317322	0.5309699	0.1896069	0.2069701	0.2069701	grey
0.6663131	0.01820916	0.1204589	0.826612	0.7464705	0.8399147	2.62E-06	2.62E-06	turquoise
0.8781558	0.7412181	0.3709823	0.8386924	0.8157807	0.698373	0.1496009	0.1496009	turquoise
0.3343307	0.6100103	0.04859955	0.4426968	0.2119071	0.03575154	0.2538837	0.2538837	grey
0.4621894	0.3162257	0.03147226	0.6824318	0.6696174	0.9123372	0.00634069	0.00634069	grey
0.8720061	0.6329658	0.2200206	0.7167192	0.4202874	0.5447829	5.54E-11	5.54E-11	salmon
0.1214351	0.2525149	0.00155354	0.9142561	0.2023552	0.1051368	0.03428219	0.03428219	turquoise
0.3534877	0.2134508	0.02279743	0.0598423	0.02097806	0.04735741	0.0399545	0.0399545	turquoise
0.9250926	0.06542078	0.4489664	0.8418715	0.9506806	0.366165	0.4442039	0.4442039	grey
0.3843593	0.8889083	0.1263561	0.1703177	0.6822508	0.00592134	0.4082999	0.4082999	turquoise
0.8243136	0.0517012	0.7936811	0.3686221	0.4332118	0.3198908	4.36E-05	4.36E-05	grey
0.426683	0.02166223	0.2584008	0.9945236	0.530042	0.6419625	1.48E-08	1.48E-08	turquoise
0.6311266	0.569778	0.1021723	0.1640799	0.756532	0.03544591	6.86E-06	6.86E-06	blue
0.5915452	0.5829584	0.00081167	0.4189416	0.849468	0.06793958	0.7522881	0.7522881	turquoise
0.01913441	0.2006571	0.00810405	0.3003308	0.5786285	0.3689968	0.359674	0.359674	turquoise
0.4702336	0.8071528	0.3789138	0.0198515	0.7238	0.7542641	0.3706731	0.3706731	salmon
0.5540089	0.03479778	0.4219314	0.0966955	0.865105	0.5263061	0.03830495	0.03830495	grey
0.9414438	0.0770572	0.3842278	0.304561	0.5466375	0.1562496	7.00E-05	7.00E-05	green
0.6754292	0.3591211	0.8877162	0.6398366	0.825776	0.2940989	9.40E-16	9.40E-16	yellow
0.4712698	0.2147078	0.2097609	0.7692367	0.4922105	0.6483519	0.4043401	0.4043401	turquoise
0.00025322	0.2335615	0.5044836	0.7315587	0.8647934	0.487466	0.00023193	0.00023193	blue
0.5636151	0.717337	0.04056672	0.1314954	0.9751501	0.04060091	0.3076473	0.3076473	grey
0.5741522	0.8734408	0.4577429	0.8752851	0.07562103	0.3194073	0.0365752	0.0365752	blue
0.4566236	0.9574081	0.06308869	0.0841984	0.6885607	0.01684255	0.2422	0.2422	turquoise
0.9134051	0.5931685	0.03102736	0.1328055	0.642265	0.5090099	0.4580215	0.4580215	grey
0.6171551	0.04813715	0.1183757	0.0623485	0.9038833	0.2262874	1.47E-05	1.47E-05	red
0.9718766	0.07392902	0.891516	0.7750666	0.7091786	0.7393663	1.27E-08	1.27E-08	blue
0.2962193	0.2745561	0.3214025	0.4991787	0.6212203	0.4742463	0.00175181	0.00175181	grey
0.9026007	0.7383025	0.01091709	0.4897314	0.5518998	0.811412	0.1853724	0.1853724	turquoise
0.8112848	0.02430231	0.3075317	0.68777	0.7358812	0.7431182	0.3023156	0.3023156	black
0.08124941	0.05535166	0.5045402	0.3104814	0.7773584	0.8545264	3.13E-07	3.13E-07	red
0.2984071	0.5599541	0.09801368	0.2721783	0.4862305	0.07251945	5.07E-05	5.07E-05	turquoise
0.825335	0.02555695	0.4854795	0.9273649	0.7581244	0.5350748	3.07E-06	3.07E-06	yellow
0.4350661	0.3102336	0.00028073	0.2708149	0.2196655	0.6071428	0.5390807	0.5390807	turquoise
0.4264955	0.7536516	0.00153203	0.117657	0.3613685	0.03942817	0.8674319	0.8674319	turquoise
0.48164	0.2103459	0.3766411	0.5748111	0.8029953	0.9651122	0.7990074	0.7990074	grey
0.7801816	0.09092237	0.1886257	0.5027634	0.851722	0.8670161	0.00060948	0.00060948	brown
0.9125542	0.5125518	0.5287215	0.781761	0.7532305	0.7695407	1.36E-08	1.36E-08	yellow
0.9486747	0.04474659	0.3807854	0.2131369	0.2519169	0.2572034	0.09833244	0.09833244	grey
0.04984609	0.00770242	0.4329124	0.5681791	0.9958402	0.873014	0.00039993	0.00039993	grey
0.00212307	0.03451225	0.5488604	0.5545713	0.2043492	0.4106804	0.1083858	0.1083858	turquoise
0.04359142	0.8428526	0.1605366	0.8125721	0.9034791	0.7327028	0.1009709	0.1009709	blue
0.868583	0.2919873	0.04754897	0.5198383	0.7275314	0.4580686	0.772358	0.772358	turquoise
0.5356071	0.3892244	0.5314485	0.7574238	0.416823	0.2932681	2.16E-07	2.16E-07	blue
0.1427173	0.58275	0.3253147	0.7024845	0.5311912	0.1394222	0.00107219	0.00107219	black
0.9147393	0.8738457	0.3003023	0.5781208	0.9372947	0.4863528	0.08877876	0.08877876	grey
0.6656309	0.00537329	0.02041109	0.113271	0.4048397	0.1859728	3.80E-27	3.80E-27	yellow
0.1757274	0.1207915	0.5121843	0.6807499	0.9343321	0.2302838	0.00247675	0.00247675	grey
0.2473181	0.4038523	0.9528862	0.0286423	0.5592112	0.611769	5.99E-06	5.99E-06	grey
0.7231814	0.736122	0.1351004	0.5264663	0.218537	0.0688229	0.5821174	0.5821174	grey
0.4136925	0.8786416	0.051266	0.065923	0.7779516	0.06519203	0.00638464	0.00638464	turquoise
0.061087	0.5719091	0.4689688	0.5448102	0.22398	0.712202	0.7180292	0.7180292	turquoise
0.6788704	0.3962148	0.068969	0.4681424	0.8627402	0.6948218	2.05E-14	2.05E-14	yellow
0.1348257	0.2911765	0.8332395	0.8718534	0.545238	0.5993161	0.2071882	0.2071882	blue
0.2124299	0.6993662	0.3628763	0.759697	0.2723748	0.2264073	0.4481422	0.4481422	red

0.5704633	0.6878718	0.04320274	0.1072427	0.04592427	0.2758956	0.03137071	0.03137071	grey
0.8082957	0.00665642	0.1694949	0.7840861	0.3729633	0.3025862	0.0015357	0.0015357	grey
0.8678101	0.8552944	0.07366868	0.3679244	0.3479288	0.5779078	3.62E-05	3.62E-05	turquoise
0.2563881	0.4943075	0.03180732	0.2246607	0.127992	0.03192412	0.536905	0.536905	turquoise
0.6070569	0.00117049	0.1716619	0.0518906	0.6828289	0.02035998	7.31E-14	7.31E-14	yellow
0.8784381	0.2736231	0.1704449	0.0352915	0.9747677	0.5690687	0.03131406	0.03131406	red
0.3875512	0.02528264	0.1486291	0.0051047	0.5525069	0.4321243	3.10E-07	3.10E-07	yellow
0.1268904	0.01167559	0.00225426	0.5396955	0.9161919	0.6468127	2.92E-07	2.92E-07	green
0.704154	0.651095	0.01565622	0.447689	0.9119897	0.190438	0.06439049	0.06439049	pink
0.4556807	0.05824749	0.00029827	0.0783207	0.8881319	0.7350712	9.45E-32	9.45E-32	yellow
0.7018882	0.7418509	0.08472408	0.0129764	0.4681231	0.4435697	0.3915631	0.3915631	turquoise
0.4591744	0.4908537	0.15325	0.5804548	0.5069616	0.5821605	6.98E-05	6.98E-05	turquoise
0.6289075	0.452814	0.513312	0.3306759	0.5817447	0.8593956	0.00143962	0.00143962	salmon
0.4280754	0.06688275	0.4050156	0.0540293	0.7495927	0.5302013	0.00146609	0.00146609	grey
0.2959211	0.5305428	0.07043966	0.5294702	0.2820176	0.592631	2.63E-06	2.63E-06	grey
0.1690765	0.8096758	0.2405578	0.9055367	0.3980744	0.600747	0.2361586	0.2361586	pink
0.2100836	0.4029338	0.9880117	0.9405182	0.5245387	0.8674092	0.1544301	0.1544301	grey
0.678011	0.9362597	0.0962394	0.4701409	0.6401449	0.9701633	3.38E-11	3.38E-11	cyan
0.6423224	0.09968135	0.7665096	0.1673903	0.859456	0.160423	0.2052307	0.2052307	grey
0.9216662	0.6738509	0.5405337	0.9958295	0.5943085	0.2968994	0.278008	0.278008	turquoise
0.00152989	0.709645	0.7245356	0.8027387	0.1920371	0.5120055	0.283112	0.283112	turquoise
0.3893087	0.7797487	0.1421521	0.5631034	0.5916674	0.8528783	0.6352912	0.6352912	pink
0.0313694	0.1355932	0.0758039	0.1262235	0.1483008	0.6644581	0.05584864	0.05584864	grey
0.07206781	0.1344095	0.4015355	0.2300265	0.2864702	0.3171063	0.00802528	0.00802528	grey
0.2701696	0.8668476	0.03444993	0.0212706	0.7027667	0.02960047	0.1353404	0.1353404	grey
0.8914784	0.9345314	0.805714	0.3535618	0.7778929	0.690618	0.1448943	0.1448943	turquoise
0.5782242	0.06278411	0.03006189	0.6067419	0.4705693	0.5732586	1.19E-05	1.19E-05	grey
0.01960148	0.5688274	0.01450998	0.3435387	0.1985161	0.5244213	0.1528731	0.1528731	grey
0.3062398	0.06861469	0.05044829	0.9020645	0.3609122	0.9963649	1.68E-22	1.68E-22	brown
0.3427011	0.393218	0.05351894	0.7797888	0.7000938	0.3564369	0.6990628	0.6990628	magenta
0.8232989	0.08326373	0.3871557	0.7799623	0.07815382	0.7178546	0.02702	0.02702	blue
0.1353317	0.1101293	0.9331161	0.3533856	0.1902099	0.412712	0.01047391	0.01047391	blue
0.3366022	0.8913253	0.02821815	0.851914	0.5209724	0.4505786	0.7435928	0.7435928	turquoise
0.4161297	0.1487688	0.1253025	0.7835389	0.4941685	0.6594409	0.00010045	0.00010045	turquoise
0.2953627	0.8806712	0.4787133	0.8672377	0.3740259	0.8424328	0.9339705	0.9339705	brown
0.7219625	0.9912479	0.1924663	0.1362336	0.8144799	0.157435	0.5370441	0.5370441	turquoise
0.1769513	0.5688965	0.4330774	0.1482556	0.1931997	0.6782403	0.3032933	0.3032933	turquoise
0.5999753	0.7406417	0.00886294	0.223048	0.3131382	0.04878253	0.5098745	0.5098745	pink
0.2075577	0.5071574	0.08865834	0.0936685	0.8817337	0.03853891	0.06380745	0.06380745	turquoise
0.7015989	0.6562427	0.03896249	0.6830712	0.6086066	0.4358769	0.2366217	0.2366217	turquoise
0.7821217	0.9375857	0.5124281	0.2770856	0.807583	0.5717217	0.00021233	0.00021233	grey
0.3336988	0.4738197	0.7860456	0.4577247	0.5433006	0.4794388	0.8437458	0.8437458	grey
0.4304247	0.1461192	0.8231863	0.9772334	0.357269	0.2798665	0.1230824	0.1230824	turquoise
0.7912	0.0994627	0.5454479	0.6659508	0.8125389	0.6936553	2.62E-20	2.62E-20	brown
0.2882256	0.8840112	0.1676693	0.506143	0.09418407	0.04981549	2.27E-12	2.27E-12	yellow
0.0009428	0.1837609	0.6141	0.0511258	0.3092372	0.5226504	0.9356311	0.9356311	grey
0.8031629	0.5590039	0.05724892	0.2975365	0.5784942	0.36177	0.2728657	0.2728657	pink
0.4046027	0.4543771	0.01117302	0.2908497	0.7099725	0.6923582	8.43E-22	8.43E-22	yellow
0.09145966	0.0603597	0.67467	0.9137652	0.6947589	0.3510385	0.03700664	0.03700664	darkgrey
0.6216357	0.4939853	0.01237945	0.1233248	0.2624349	0.2400338	0.3638703	0.3638703	grey
0.1292323	0.02391057	0.6145963	0.2823806	0.3770152	0.3086906	0.4472664	0.4472664	blue
0.3340058	0.3904146	0.2869246	0.1388625	0.6155003	0.02444935	0.5764762	0.5764762	white
0.8419502	0.366121	0.105351	0.8948644	0.8124706	0.1543011	0.3487591	0.3487591	grey
0.03994751	0.9423013	0.7901383	0.872307	0.8092503	0.4311394	0.01649516	0.01649516	pink
0.1536594	0.3509025	0.03498442	0.63102	0.8787106	0.5454575	7.59E-09	7.59E-09	green
0.5030957	0.2979141	0.05030293	0.0739968	0.8265285	0.1800663	0.00772655	0.00772655	blue
0.02939714	0.05798359	0.4021608	0.0835497	0.5767996	0.4400063	0.00011986	0.00011986	grey
0.2813988	0.5117371	0.7715066	0.5685766	0.04617773	0.5541624	0.6367223	0.6367223	turquoise
0.7866001	0.5442916	0.6975572	0.6692125	0.8002352	0.43156	0.5659534	0.5659534	blue
0.9523007	0.2508886	0.00010141	0.0707569	0.6330149	0.07812892	0.3805364	0.3805364	turquoise
0.140476	0.10095	0.09084209	0.186285	0.777391	0.2756384	0.2424799	0.2424799	green

0.8373524	0.04506326	0.6276549	0.3448174	0.3075263	0.1288465	1.77E-10	1.77E-10	brown
0.4381596	0.6696877	0.02427462	0.1654902	0.05231823	0.09931522	0.4320961	0.4320961	green
0.8130499	0.02201046	0.828939	0.4758299	0.999966	0.429151	9.56E-15	9.56E-15	lightyellow
0.3156276	0.4322566	0.00244413	0.2886643	0.6570576	0.1059868	0.04321638	0.04321638	turquoise
0.05641416	0.1441079	0.9156412	0.0898699	0.8352988	0.7018451	0.3880452	0.3880452	grey
0.6093623	0.8860714	0.1361903	0.8426432	0.7686748	0.01906411	0.309352	0.309352	grey
0.06299594	0.8665464	0.5032179	0.6029379	0.215993	0.3281519	0.8962201	0.8962201	grey
0.05150691	0.3815939	0.4463679	0.3491651	0.1763205	0.1249454	0.0482682	0.0482682	grey
0.7971711	0.08801987	0.646219	0.0097243	0.3828094	0.1828001	0.00013187	0.00013187	turquoise
0.1945613	0.1893428	0.02404275	0.3468224	0.672183	0.7799426	5.64E-29	5.64E-29	yellow
0.6560966	0.6883621	0.3300374	0.3495034	0.8516391	0.2687013	0.9561957	0.9561957	grey
0.7495599	0.3090501	0.7369328	0.9014442	0.09294352	0.6466502	0.9641374	0.9641374	grey
0.8973695	0.4959798	0.5847848	0.8446914	0.3626632	0.1431055	0.2950565	0.2950565	turquoise
0.1681277	0.7427523	0.00448786	0.0214352	0.3277997	0.01795192	0.7234357	0.7234357	turquoise
0.3665074	0.8688578	0.3134427	0.9501493	0.334298	0.00190791	0.0174758	0.0174758	grey
0.2217354	0.01389056	0.7714717	0.9611519	0.951939	0.5520917	0.9484964	0.9484964	yellow
0.5262894	0.01156448	0.8812473	0.1660249	0.3662622	0.5801482	0.05647786	0.05647786	grey
0.8087503	0.00072494	0.7859629	0.2555253	0.4969202	0.3210926	1.48E-06	1.48E-06	blue
0.2288191	0.7882632	0.5479096	0.4387509	0.5535212	0.5047148	0.1676503	0.1676503	purple
0.00045503	0.3641186	0.2045681	0.7870398	0.011138	0.96563	0.1563548	0.1563548	grey
0.1398448	0.867204	0.01064034	0.3216848	0.1213643	0.0167098	0.7100655	0.7100655	blue
0.4354056	0.3408406	0.00692368	0.2859111	0.3832304	0.1698124	0.1713346	0.1713346	grey
0.1343805	0.4833289	0.8836929	0.1092515	0.897829	0.1701932	0.301681	0.301681	salmon
0.3690343	0.9805108	0.00088402	0.5728668	0.9059993	0.00420957	0.2366064	0.2366064	turquoise
0.5341599	0.9434267	0.205291	0.2452389	0.2568	0.477634	0.5989312	0.5989312	blue
0.2034652	0.1530838	0.01775118	0.2794771	0.9347567	0.1261369	2.65E-05	2.65E-05	turquoise
0.3369249	7.54E-05	0.0028027	0.0276643	0.8863533	0.5221527	6.19E-10	6.19E-10	brown
0.8906336	0.1619778	0.4975859	0.4403689	0.740525	0.8631292	0.00015718	0.00015718	blue
0.996	0.1136618	0.8947083	0.8988062	0.5892533	0.8096607	0.09690131	0.09690131	royalblue
0.5781341	0.6383554	0.0829038	0.2029332	0.5815665	0.2824653	0.6620731	0.6620731	turquoise
0.3571994	0.1294044	0.4769849	0.6496121	0.3602001	0.7272986	0.1866013	0.1866013	blue
0.314022	0.1315519	0.6024613	0.9667547	0.7383638	0.359953	3.57E-05	3.57E-05	blue
0.4276109	0.4958457	0.248475	0.4091427	0.6506012	0.1270194	2.79E-05	2.79E-05	grey
0.693887	0.5941202	0.3063797	0.8977423	0.4263259	0.1335271	0.00026447	0.00026447	blue
0.03103627	0.00032422	0.6596928	0.789714	0.5601693	0.9040745	4.47E-08	4.47E-08	blue
0.107541	0.1677107	0.4653837	0.890955	0.935688	0.8779156	0.05174512	0.05174512	blue
0.6970488	0.6731302	0.4873792	0.4377867	0.8431442	0.4457814	0.1035966	0.1035966	grey60
0.3929473	0.8019097	0.7588089	0.1553735	0.6486965	0.1731966	0.7170993	0.7170993	salmon
0.4013622	0.6130459	0.6385604	0.6697828	0.7449799	0.6323058	0.04452344	0.04452344	midnightblue
0.2235417	0.6576193	0.9666771	0.0298279	0.5076603	0.3338693	0.00352244	0.00352244	turquoise
0.3813786	0.4095571	0.5178654	0.8676226	0.42433	0.8442717	0.8237822	0.8237822	grey
0.09635314	0.5057253	0.02753554	0.9138543	0.0658543	0.4219236	0.5385337	0.5385337	turquoise
0.7565202	0.1368546	0.00327822	0.0245637	0.7639586	0.0141788	4.50E-05	4.50E-05	tan
0.8539349	0.07627942	0.00546864	0.8743312	0.6555003	0.6267947	0.3564102	0.3564102	grey
0.8220955	0.5710343	0.07347896	0.0877221	0.3580869	0.9970581	5.43E-05	5.43E-05	brown
0.1303419	0.03619706	0.4580742	0.2438845	0.7422919	0.1981984	4.55E-10	4.55E-10	grey
0.4813647	0.2609643	0.1336303	0.4734611	0.1437822	0.9155256	0.3126683	0.3126683	turquoise
0.394943	0.2074943	0.01478159	0.5654998	0.986711	0.2556387	1.22E-13	1.22E-13	yellow
0.3415143	0.5706859	0.105457	0.0466317	0.7887116	0.2814904	0.9269392	0.9269392	turquoise
0.4319054	0.2371278	0.04317345	0.5177379	0.1864629	0.1819223	0.00125949	0.00125949	green
0.2440795	0.0069043	0.7943879	0.5799816	0.5295155	0.3403162	0.00399604	0.00399604	blue
0.5745537	0.5014096	0.08861802	0.9769612	0.3323143	0.408211	0.05327906	0.05327906	turquoise
0.6731604	0.02792376	0.2130718	0.8977721	0.5120099	0.9070991	1.63E-12	1.63E-12	yellow
0.00965637	0.1548857	0.6590578	0.2021818	0.1660661	0.1447094	0.7967874	0.7967874	turquoise
0.974871	0.1432107	0.0973604	0.0690886	0.7094009	0.06717174	0.00760396	0.00760396	turquoise
0.4937635	0.6936479	0.2339479	0.4818423	0.9819823	0.3399905	0.00512018	0.00512018	grey
0.3435794	0.4947536	0.09851284	0.8039125	0.5559189	0.08523344	0.6707939	0.6707939	grey
0.9286136	0.09671473	0.3153588	0.2545032	0.6466005	0.06161741	0.00554715	0.00554715	turquoise
0.8993144	0.2550606	0.00231161	0.0155714	0.8765421	0.01148994	0.1593533	0.1593533	turquoise
0.07862003	0.3757603	0.2319236	0.253218	0.3734716	0.8175689	0.00228696	0.00228696	grey
0.484391	0.291479	0.00420646	0.1709967	0.3514561	0.0862966	0.00424363	0.00424363	turquoise

0.1510491	0.22421	0.01942907	0.4303429	0.9489625	0.3673182	1.73E-08	1.73E-08	brown
0.2426403	0.6994453	0.9056148	0.2523198	0.7927612	0.9268303	0.9438605	0.9438605	turquoise
0.3262656	0.4813521	0.6248539	0.2517851	0.6329695	0.3394736	0.00603486	0.00603486	grey
0.8866518	0.05708347	0.6636034	0.6478791	0.6465907	0.7261777	0.01228156	0.01228156	blue
0.6632272	0.7203733	0.2559862	0.7293743	0.4907328	0.07180203	0.00243611	0.00243611	blue
0.384061	0.0944795	0.6728848	0.8354359	0.9327514	0.5198923	1.94E-07	1.94E-07	blue
0.6091	0.06003464	0.5048367	0.4140824	0.6485446	0.5292479	0.442151	0.442151	turquoise
0.2725237	0.00385848	0.01166843	0.1619628	0.6588462	0.06681478	8.92E-05	8.92E-05	blue
0.7753882	0.00017308	0.3876458	0.5563811	0.7576027	0.4188209	5.83E-13	5.83E-13	brown
0.1029109	0.06915814	0.1855109	0.1236434	0.3104332	0.8467663	0.00013408	0.00013408	brown
0.08517478	0.03502908	0.4144137	0.7320266	0.5688226	0.6986739	0.2551722	0.2551722	grey
0.9371921	0.7428221	0.1528368	0.903199	0.0165344	0.2285733	0.3297659	0.3297659	blue
0.8455346	0.09813858	0.7891746	0.2545218	0.8223156	0.4074656	6.37E-05	6.37E-05	turquoise
0.1794952	0.28584	0.5451973	0.3968467	0.2663897	0.1605206	0.1334775	0.1334775	turquoise
0.2426238	0.2695575	0.00183081	0.1557342	0.3609356	0.3404948	1.29E-08	1.29E-08	magenta
0.191487	0.1356968	0.0080137	0.340196	0.4156786	0.1934236	5.59E-12	5.59E-12	brown
0.8916808	0.5397535	0.1259935	0.2179841	0.636875	0.2449406	0.2030195	0.2030195	turquoise
0.4483693	0.0063223	0.556786	0.4720421	0.7751096	0.9110771	1.12E-08	1.12E-08	blue
0.6380849	0.2876535	0.1125567	0.3131579	0.7919979	0.1103076	8.21E-05	8.21E-05	turquoise
0.8715526	0.2120457	0.2445565	0.0056263	0.6895943	0.5630725	0.4282281	0.4282281	blue
0.2701098	0.08321246	0.6458449	0.7012315	0.07525408	0.8862592	0.01036711	0.01036711	brown
0.8016451	0.1982553	0.2338268	0.459354	0.646086	0.898994	0.0446899	0.0446899	grey
0.5861567	0.0081723	0.7270312	0.7534111	0.07303912	0.3266	8.39E-06	8.39E-06	blue
0.9867895	0.1459446	0.1711343	0.1933196	0.6340051	0.5955404	0.00222846	0.00222846	turquoise
0.9411946	0.1068516	0.1703703	0.8723362	0.7336821	0.5127352	0.0012113	0.0012113	turquoise
0.3420347	0.00531067	0.00655099	0.0655575	0.2725936	0.01124057	0.00829382	0.00829382	turquoise
0.9478046	0.9197269	0.00117586	0.8338727	0.5033522	0.4988697	0.4213958	0.4213958	pink
0.9026378	0.04475673	0.7232394	0.4179884	0.8437794	0.2259642	0.00591908	0.00591908	grey
0.02728324	0.06938744	0.05896612	0.2601271	0.8149617	0.530027	0.8391127	0.8391127	grey
0.6249451	0.2356379	0.00666099	0.6234266	0.6713261	0.01533119	0.8170141	0.8170141	turquoise
0.4302209	0.4491824	0.7821299	0.8648566	0.8154724	0.8280066	6.73E-05	6.73E-05	grey
0.0939714	0.01667929	0.4020912	0.0161924	0.6346883	0.8511575	0.1552343	0.1552343	grey
0.9509819	0.8963263	0.0026031	0.0221161	0.06419361	0.00863785	0.00206428	0.00206428	green
0.1816895	0.02395885	0.04071694	0.0177285	0.5338056	0.647657	0.00560457	0.00560457	grey
0.2606988	0.7862166	0.06619729	0.0961241	0.4837492	0.2291395	0.7390703	0.7390703	grey
0.9656671	0.04331474	0.3007521	0.8023945	0.6395151	0.2622888	1.46E-15	1.46E-15	brown
0.5630877	0.06220887	0.1048252	0.2233305	0.8369037	0.3292256	0.8523814	0.8523814	turquoise
0.4651703	0.3678401	0.8966897	0.2562458	0.3939584	0.3198173	0.1143025	0.1143025	turquoise
0.2273538	0.4788903	0.7969513	0.156525	0.5731845	0.08732826	0.01409907	0.01409907	turquoise
0.4030585	0.7132254	0.3696993	0.5436353	0.4713798	0.9025556	0.3685563	0.3685563	blue
0.5650233	0.04750358	0.8619106	0.6658572	0.9472555	0.8822158	0.00365095	0.00365095	royalblue
0.3594186	0.1871276	0.02469574	0.604963	0.8706759	0.07652016	0.04358767	0.04358767	turquoise
0.0575874	0.1055179	0.04634985	0.1736411	0.3002785	0.2898075	0.00151291	0.00151291	grey
0.05384838	0.712589	0.2296634	0.0424457	0.6889353	0.09921204	0.1221593	0.1221593	turquoise
0.4920865	0.1550717	0.3957389	0.669754	0.6138473	0.7901151	1.33E-13	1.33E-13	yellow
0.8346991	0.07703562	0.3184564	0.9143079	0.4940839	0.6549158	0.00852892	0.00852892	blue
0.06050133	0.9358861	0.7931437	0.3957411	0.1839008	0.5806367	0.4447354	0.4447354	grey
0.8387741	0.0003157	0.03788738	0.5131098	0.328573	0.5982823	2.53E-09	2.53E-09	brown
0.1918501	0.5058399	0.2448227	0.3571478	0.4055528	0.7324322	0.8135746	0.8135746	blue
0.2048745	0.2219571	0.3164267	0.128538	0.7875333	0.6443899	0.01591068	0.01591068	blue
0.1529405	0.5293225	0.1182048	0.4304262	0.9395027	0.1344195	0.1326084	0.1326084	red
0.07519281	0.5452409	0.00457603	0.1210757	0.7519068	0.3169742	0.0209418	0.0209418	grey
0.8148532	0.02287821	0.7323106	0.7688168	0.9343641	0.269278	2.75E-05	2.75E-05	grey
0.4931381	0.042559	0.06376653	0.0421098	0.3808445	0.01982587	0.00025383	0.00025383	turquoise
0.335768	0.0163788	0.2582868	0.372713	0.9208942	0.4130161	0.03066083	0.03066083	grey
0.02023207	0.8947462	0.1214341	0.6440112	0.9358082	0.294131	0.1129824	0.1129824	grey
0.9347343	0.833985	0.4390123	0.6427589	0.5339172	0.3219844	0.285085	0.285085	grey
0.4286371	0.01505989	0.9773523	0.0325933	0.8156631	0.4718237	0.01009272	0.01009272	grey
0.3387315	0.973014	0.3369725	0.1223296	0.7962528	0.3959741	0.1805573	0.1805573	grey
0.8931102	0.8056274	0.04498836	0.6919272	0.9106154	0.1111119	0.9283579	0.9283579	blue
0.04528828	0.6360456	0.02853892	0.8498492	0.8822175	0.1120639	0.9828247	0.9828247	turquoise

0.8291109	0.4966904	0.01000204	0.0890155	0.8796689	0.4027586	0.4512171	0.4512171	turquoise
0.0471475	0.5450896	0.3029356	0.0697658	0.01592822	0.1742482	0.1523163	0.1523163	turquoise
0.3203961	0.9511921	0.9097969	0.1629671	0.3392748	0.6386069	1.03E-05	1.03E-05	greenyellow
0.9033368	0.03063268	0.2842252	0.1244615	0.8382153	0.8449004	0.8268455	0.8268455	grey
0.1521324	0.5623244	0.00776106	0.1719418	0.6348704	0.2623332	0.00196943	0.00196943	green
0.06893601	0.01241926	0.03526969	0.9705119	0.9304391	0.4166626	0.02271465	0.02271465	turquoise
0.861947	0.803713	0.9541364	0.5743328	0.5557196	0.5250179	0.00310224	0.00310224	darkgrey
0.05619234	0.3349028	0.4366776	0.0876386	0.337959	0.5046527	0.1218189	0.1218189	grey
0.2238116	0.4008018	5.24E-05	0.176083	0.9940116	0.1640802	5.55E-05	5.55E-05	turquoise
0.3080831	0.08113302	0.9432816	0.5869035	0.4276724	0.3970936	1.23E-20	1.23E-20	yellow
0.6416316	0.0578104	0.4221814	0.0334569	0.2934118	0.8266805	1.91E-07	1.91E-07	brown
0.0748044	0.2453781	0.5962681	0.9874344	0.5412993	0.2256319	0.00369154	0.00369154	blue
0.7149144	0.303608	0.05730234	0.8096917	0.7409114	0.2292582	0.01700002	0.01700002	blue
0.1205944	0.1391246	0.00493668	0.0181987	0.425366	0.2445764	7.21E-05	7.21E-05	brown
0.5749956	0.05043673	0.0179556	0.9371656	0.8022512	0.08346564	0.3591329	0.3591329	tan
0.5634514	0.4487892	0.00097993	0.7510087	0.1912152	0.2744583	0.00109749	0.00109749	turquoise
0.7373348	0.1351488	0.2335058	0.7412217	0.901784	0.3681945	8.49E-08	8.49E-08	brown
0.8027102	0.3822325	0.00672514	0.377738	0.08761555	0.120958	0.2108788	0.2108788	blue
0.3406627	0.7307121	0.0070998	0.2893404	0.2786259	0.1193908	0.1317002	0.1317002	green
0.1893838	0.9874029	0.3899056	0.4219527	0.2855549	0.508269	0.5451537	0.5451537	grey
0.6766281	0.6965131	0.0028504	0.1916911	0.6995605	0.05912231	0.3638569	0.3638569	turquoise
0.3008453	0.07464543	0.6601123	0.6439448	0.8457808	0.8066046	0.5355118	0.5355118	black
0.3623402	0.3061695	0.5457068	0.1868084	0.5648267	0.1241183	0.0145011	0.0145011	turquoise
0.2276812	0.2955527	0.5813068	0.0636697	0.4665869	0.1256079	0.3854707	0.3854707	brown
0.6599969	0.3442663	0.1334432	0.5285437	0.7399558	0.5824819	7.16E-05	7.16E-05	turquoise
0.4021791	0.0832883	0.08659225	0.9206733	0.5918622	0.980034	0.5798947	0.5798947	red
0.7414373	0.104253	0.06487983	0.9820069	0.5007961	0.09644786	0.2070615	0.2070615	blue
0.07001318	0.5547707	0.1803611	0.1333307	0.758435	0.9095794	0.5028238	0.5028238	grey
0.9133291	0.8339961	0.8993431	0.4803522	0.8042235	0.8591147	0.7751872	0.7751872	grey
0.6210593	0.5929192	0.09594708	0.0935941	0.9759331	0.09038436	0.728728	0.728728	grey
0.5018472	0.7203642	0.00093228	0.2169805	0.2636456	0.2218221	0.00063317	0.00063317	turquoise
0.7876084	0.6333734	0.08809973	0.6896758	0.8489777	0.9002806	0.694544	0.694544	turquoise
0.683125	0.9444601	0.2648642	0.5701181	0.73505	0.6442889	0.01842169	0.01842169	grey
0.3552421	0.9180819	0.8290358	0.8294404	0.5523922	0.4549723	0.03270037	0.03270037	black
0.1839966	0.03046199	0.7932215	0.7645005	0.9441818	0.9975217	0.8622057	0.8622057	grey
0.569645	0.179647	0.3438682	0.1369476	0.3589316	0.9876135	0.00180691	0.00180691	grey
0.9373363	0.0061804	0.9064168	0.5528437	0.8091539	0.4171553	1.88E-05	1.88E-05	brown
0.248808	0.5862853	0.6437736	0.8799204	0.4042871	0.7231949	0.7334469	0.7334469	grey
0.2065538	0.03449232	0.00123064	0.5267582	0.7109644	0.2531393	0.00258543	0.00258543	turquoise
0.8560099	0.03377291	0.7101052	0.3964041	0.8478753	0.2760631	0.00047855	0.00047855	grey
0.7600242	0.8014923	0.05057498	0.8199601	0.845343	0.4409605	0.6447793	0.6447793	blue
0.1396351	0.3277611	0.8162503	0.0302419	0.4842195	0.2697654	0.9219918	0.9219918	grey
0.07808948	0.03620504	0.9463568	0.7021135	0.1318121	0.3214592	1.55E-06	1.55E-06	blue
0.6708381	0.1541008	0.9442788	0.7625109	0.3532448	0.7797474	0.00322831	0.00322831	blue
0.776283	0.2194703	0.08842231	0.0746462	0.6709597	0.06974521	2.36E-05	2.36E-05	turquoise
0.6436	0.7208137	0.00071257	0.2459428	0.2682027	0.05940398	0.5905545	0.5905545	turquoise
0.5242283	0.0106337	0.8033619	0.767396	0.6252468	0.7773008	0.4738587	0.4738587	grey
0.8642857	0.3557817	6.33E-05	0.0566069	0.5624832	0.519192	0.00646406	0.00646406	magenta
0.9142789	0.04728729	0.6378186	0.8894416	0.8863243	0.4686414	0.117291	0.117291	turquoise
0.5789194	0.05650574	0.1224672	0.8230774	0.9867933	0.2106267	1.12E-08	1.12E-08	brown
0.616287	0.1189647	0.1092446	0.9089346	0.8384877	0.8933184	0.00046694	0.00046694	turquoise
0.5929733	0.2939668	0.3540694	0.8486707	0.7654307	0.548148	0.5584497	0.5584497	turquoise
0.5739185	0.4429729	0.1001205	0.6652288	0.133706	0.2607386	0.446836	0.446836	turquoise
0.9947309	0.1597424	0.1897245	0.190016	0.6545013	0.07580838	0.0024133	0.0024133	blue
0.2073372	0.6493008	0.1833845	0.4331681	0.7869686	0.8834418	8.43E-17	8.43E-17	lightgreen
0.2360175	0.2229406	0.08009349	0.6773948	0.9774099	0.4287033	0.8175648	0.8175648	turquoise
0.7307138	0.5254592	0.04152791	0.1919673	0.4058985	0.3322905	0.5885786	0.5885786	lightgreen
0.829685	0.453833	0.0176088	0.1701913	0.9159835	0.2135635	0.4905741	0.4905741	red
0.7507204	0.8967653	0.8157285	0.4418982	0.7969271	0.6277837	0.4552038	0.4552038	grey
0.4406646	0.3780864	0.2215507	0.7007717	0.4055729	0.1417725	0.02922288	0.02922288	blue
0.5549322	0.9455768	0.02559101	0.1385923	0.5504082	0.07331027	0.9852603	0.9852603	pink

0.4733235	0.5591436	0.9044744	0.612871	0.5845941	0.5992759	0.2780167	0.2780167	grey
0.2261583	0.3173118	0.4257341	0.9999121	0.6094395	0.5075134	0.03274497	0.03274497	blue
0.4548086	0.5387291	0.3570436	0.8080396	0.6453677	0.7442572	0.03722355	0.03722355	grey
0.3232104	0.1957421	0.9206252	0.5806362	0.4782147	0.2142406	0.1838224	0.1838224	grey
0.2203036	0.1804721	0.013781	0.6340323	0.8517391	0.8519865	0.1443231	0.1443231	brown
0.5761426	0.3184229	0.757067	0.4099253	0.7953442	0.1216305	0.8226124	0.8226124	grey
0.3024174	4.92E-05	0.01626763	0.5164246	0.3118408	0.8033416	2.61E-23	2.61E-23	brown
0.9155714	0.4447608	0.07937036	0.1920531	0.2812035	0.2587637	0.06170593	0.06170593	turquoise
0.587529	0.7356499	0.1513678	0.5056349	0.143277	0.794638	0.6695169	0.6695169	grey
0.01333583	0.9908818	0.06297951	0.4277776	0.9319847	0.6588295	0.1493536	0.1493536	turquoise
0.1365789	0.02499111	0.1334519	0.4418443	0.3847387	0.154749	0.09769111	0.09769111	grey
0.01634303	0.270139	0.4905394	0.8847974	0.1807366	0.7350504	0.2089032	0.2089032	grey
0.00472175	0.8526052	0.6771424	0.8202513	0.2882891	0.7569666	0.5358743	0.5358743	grey
0.02226844	0.9293027	0.00102832	0.330557	0.2920385	0.3251381	0.00389285	0.00389285	pink
0.6101415	0.2075251	0.9962524	0.6123942	0.7676173	0.2195916	0.2022066	0.2022066	blue
0.5164643	0.844827	0.4945416	0.6116541	0.6293064	0.6650381	0.06647435	0.06647435	turquoise
0.9910069	0.2656767	0.00233015	0.3409073	0.9610459	0.2059068	0.01210258	0.01210258	grey
0.1558943	0.00142777	0.3234444	0.6145653	0.5383472	0.6982028	0.00151091	0.00151091	turquoise
0.5503322	0.00111993	0.3892068	0.5121402	0.1250683	0.8280849	0.00011146	0.00011146	green
0.217131	0.2142554	0.00754739	0.5436788	0.3598641	0.8358067	3.83E-18	3.83E-18	yellow
0.3374329	0.2765782	0.4429007	0.1731991	0.9025405	0.9198923	0.00025283	0.00025283	turquoise
0.8315718	0.7669396	0.04173067	0.2360066	0.7163656	0.4065905	0.01438206	0.01438206	turquoise
0.2613223	0.5104929	0.2234825	0.0454996	0.744622	0.04423556	0.1917522	0.1917522	grey
0.9406487	0.9969373	0.682462	0.9721751	0.6576275	0.4224326	0.9551188	0.9551188	turquoise
0.5776966	0.942652	0.8212706	0.1597715	0.6727364	0.8572397	0.00757763	0.00757763	grey
0.8736077	0.00460512	0.4258328	0.8451508	0.4594415	0.1639135	5.27E-10	5.27E-10	blue
0.5330573	0.721253	0.00037486	0.0184428	0.9739496	0.00443902	0.2231739	0.2231739	turquoise
0.6924348	0.04968921	0.00041972	0.0230201	0.4293437	0.08458279	0.06687375	0.06687375	grey
0.3956143	0.4566525	0.6683189	0.0855219	0.7826048	0.5006201	0.8418249	0.8418249	blue
0.3652157	0.170682	0.7476544	0.7649358	0.4535778	0.5364197	0.540969	0.540969	grey
0.3276018	0.2558384	0.1277442	0.6801022	0.03728911	0.1591987	0.8449541	0.8449541	turquoise
0.2614943	0.7414738	0.7162794	0.89816	0.5005754	0.2328673	0.8898727	0.8898727	black
0.7547213	0.6577432	0.1382794	0.6392966	0.8337999	0.802993	0.9200531	0.9200531	turquoise
0.1806478	0.03145066	0.02917471	0.2776281	0.6933883	0.1164974	0.01893759	0.01893759	turquoise
0.6133113	0.01739313	0.1891394	0.5754766	0.4767356	0.1735201	1.47E-09	1.47E-09	brown
0.7356979	0.1845048	0.0747012	0.9392571	0.3291421	0.8025346	0.04169953	0.04169953	blue
0.4099477	0.956657	0.8125994	0.1131181	0.26353	0.8469774	0.00016879	0.00016879	grey
0.4977752	0.6609095	0.1574948	0.7798652	0.8661061	0.4857424	6.37E-07	6.37E-07	magenta
0.7377071	0.2333499	0.01949277	0.0091302	0.9664702	0.3493748	0.8653169	0.8653169	turquoise
0.1430996	0.6395976	0.03665283	0.1278643	0.6047753	0.1881231	0.2850892	0.2850892	turquoise
0.2621578	0.01039645	0.7337673	0.9242096	0.6072514	0.7134889	6.28E-12	6.28E-12	turquoise
0.4277359	0.1005006	0.4148605	0.284878	0.6971232	0.2019489	0.05546124	0.05546124	salmon
0.4230389	0.00216461	0.1869591	0.6430496	0.3407576	0.8670946	0.02692724	0.02692724	blue
0.180407	0.207834	0.7781957	0.7202128	0.282584	0.666555	0.4024473	0.4024473	grey
0.9488677	0.1754011	0.5110773	0.7629741	0.06937317	0.2493551	9.00E-07	9.00E-07	grey
0.7550696	0.905144	0.7623341	0.5807903	0.9747277	0.2190174	0.4471934	0.4471934	blue
0.08446682	0.02695684	0.3519486	0.1196132	0.8798764	0.4729165	0.07473867	0.07473867	grey
0.3131062	0.1628197	0.1826978	0.5774441	0.3703188	0.5276528	0.00485426	0.00485426	grey
0.643168	0.00537063	0.06798652	0.0177326	0.2898136	0.3222288	1.94E-09	1.94E-09	grey
0.1528379	0.4872167	0.8156594	0.4146287	0.5425812	0.6077883	0.00469538	0.00469538	royalblue
0.7228299	0.3141252	0.05977214	0.1784087	0.4179064	0.6838659	0.6365189	0.6365189	grey
0.2541068	0.2163518	0.2984139	0.4514034	0.9550032	0.06589114	0.01352984	0.01352984	blue
0.7063417	0.456592	0.09391063	0.951735	0.9275911	0.8210385	0.00579342	0.00579342	grey
0.7355954	0.290661	0.882325	0.2954831	0.8141385	0.6391154	0.2117185	0.2117185	grey
0.08129634	0.01886289	0.4129724	0.6418399	0.1466784	0.2341754	0.00528348	0.00528348	blue
0.9582827	0.02862782	0.02914045	0.6095984	0.3191845	0.1797032	0.9134383	0.9134383	turquoise
0.7004384	0.1383505	0.00084437	0.0481839	0.6432212	0.09326009	0.6543509	0.6543509	turquoise
0.2523301	0.4724047	0.7981213	0.4721384	0.4885744	0.7580229	0.1164256	0.1164256	grey
0.6191701	0.8602748	0.05691779	0.0611847	0.5851411	0.4104423	0.303261	0.303261	blue
0.6736112	0.01657306	0.02773161	0.1007058	0.1266648	0.02124975	2.29E-05	2.29E-05	turquoise
0.9277161	0.2417187	0.9299227	0.3326996	0.9146541	0.3747959	0.1527167	0.1527167	blue

0.02393364	0.03908595	0.51268	0.0600297	0.8679161	0.5018515	1.23E-06	1.23E-06	blue
0.2346016	0.4275742	0.0015194	0.1403633	0.1836633	0.03316144	0.7432521	0.7432521	turquoise
0.4265393	0.00399989	0.01164375	0.4367218	0.9625485	0.5301435	4.67E-21	4.67E-21	brown
0.4345183	0.3265004	0.00089518	0.975	0.707981	0.6334686	0.01115989	0.01115989	turquoise
0.2158513	0.2447259	0.1249037	0.3683491	0.3651095	0.3857425	0.02770389	0.02770389	grey
0.6328205	0.4576554	0.5307643	0.2473542	0.726191	0.01501345	0.1710725	0.1710725	red
0.1630027	0.03112621	0.01973815	0.166793	0.3764608	0.02020445	0.4078342	0.4078342	turquoise
0.2341193	0.02242262	0.4176096	0.2537313	0.97227	0.09410314	0.03858017	0.03858017	turquoise
0.408139	0.4320846	0.05229642	0.194489	0.5451788	0.3081642	0.03512663	0.03512663	brown
0.7241418	0.1489336	0.8413815	0.4000965	0.08544669	0.2168349	0.02380526	0.02380526	turquoise
0.09678388	0.2900932	0.1082029	0.8820924	0.7349579	0.30368	0.08123937	0.08123937	blue
0.7052999	0.3579708	0.1546438	0.4880265	0.8856383	0.7247497	0.0022594	0.0022594	grey
0.1454837	0.2882236	0.01839299	0.4838709	0.5318232	0.2333498	4.13E-05	4.13E-05	grey
0.8175626	0.1823329	0.7170174	0.3404223	0.4189758	0.9075507	0.1052666	0.1052666	grey
0.3800401	0.3300817	0.2636688	0.8491025	0.5507045	0.8523958	0.1171484	0.1171484	purple
0.6317185	0.02022032	0.00190624	0.7536294	0.6224677	0.4760183	0.2858565	0.2858565	darkred
0.5363161	0.2277309	0.1959575	0.4779865	0.09714746	0.3442225	0.00034506	0.00034506	pink
0.03950535	0.7157313	0.04210513	0.9178645	0.7860373	0.4687013	0.01505378	0.01505378	grey
0.09827382	0.313463	0.1124611	0.3022765	0.2010015	0.9900983	0.00612962	0.00612962	blue
0.8725723	0.0014371	0.7473346	0.2253175	0.5533557	0.8435485	0.00036016	0.00036016	grey60
0.3918563	0.780861	0.02724116	0.7850568	0.908827	0.08177101	0.00687513	0.00687513	tan
0.06950352	0.8938473	0.2675359	0.5702568	0.9245189	0.9291707	0.4674323	0.4674323	grey
0.0170087	0.3793338	0.1577243	0.5858106	0.8752815	0.6371945	0.00264777	0.00264777	turquoise
0.6012614	0.7174218	0.4658001	0.1400468	0.3609495	0.9208913	0.7542526	0.7542526	grey
0.6077415	0.2766098	0.6620186	0.4297139	0.8297812	0.6192016	0.7128244	0.7128244	grey
0.8978862	0.5818594	0.9120755	0.6066666	0.3683758	0.5991255	0.3464956	0.3464956	turquoise
0.6544844	0.514043	0.1509821	0.3108429	0.8483661	0.6179654	3.97E-06	3.97E-06	green
0.7197448	0.8398847	0.3538894	0.4534494	0.3613678	0.3724939	0.03121425	0.03121425	grey
0.6817823	0.02909247	0.7485208	0.6469675	0.03934071	0.142048	0.00012824	0.00012824	blue
0.0933452	0.2767186	0.05858813	0.1999785	0.7958745	0.03690584	0.0166242	0.0166242	turquoise
0.1614898	0.719661	0.5162361	0.1822181	0.2797754	0.4444534	0.01195717	0.01195717	turquoise
0.4190937	0.4290355	0.1336361	0.9696926	0.6884349	0.7613032	0.2632869	0.2632869	blue
0.5904648	0.02738234	0.02945835	0.1793774	0.7341927	0.1562951	9.52E-08	9.52E-08	grey
0.6721362	0.3132651	0.7169938	0.8415367	0.8742088	0.4624357	0.7599711	0.7599711	turquoise
0.0319171	0.5088072	0.4821335	0.3328283	0.6438741	0.5037483	0.00135837	0.00135837	blue
0.7115566	0.4440262	0.9753543	0.6410223	0.4713627	0.7869124	0.000109	0.000109	grey
0.3351752	0.02165421	0.00915991	0.4101179	0.6793079	0.1143851	0.0009002	0.0009002	blue
0.9765462	0.7711774	0.6611981	0.1812001	0.4100379	0.5375787	0.6425411	0.6425411	turquoise
0.8109672	0.7481993	0.1369261	0.3367895	0.7596561	0.04258519	0.2306423	0.2306423	turquoise
0.1977917	0.6166159	0.515016	0.7546133	0.7349549	0.3458493	0.01120605	0.01120605	blue
0.8849179	0.1813922	0.0039228	0.1719601	0.6043208	0.4666872	0.2765063	0.2765063	turquoise
0.6693888	0.3753674	0.0704213	0.1348526	0.00373415	0.5049601	0.579091	0.579091	turquoise
0.1691713	0.895095	0.1626104	0.9969447	0.9050234	0.1790463	0.01270884	0.01270884	turquoise
0.1769935	0.5343181	0.591401	0.035914	0.4097829	0.5792771	0.3463594	0.3463594	grey
0.05637001	0.01582284	0.1397582	0.2412982	0.4716394	0.07204423	0.00044348	0.00044348	turquoise
0.4384033	0.4562829	0.00655424	0.8011073	0.08574846	0.26535	2.78E-06	2.78E-06	green
0.6939313	0.2777728	0.1091686	0.5831417	0.7489669	0.4957327	0.0122597	0.0122597	red
0.03865639	0.05826875	0.04205265	0.0625609	0.2696881	0.592576	0.01539278	0.01539278	blue
0.8997981	0.1237898	0.1018537	0.3774617	0.1564965	0.8388158	0.0156635	0.0156635	greenyellow
0.30693	0.2376661	0.8030317	0.2476378	0.8614485	0.2120679	0.9992928	0.9992928	grey
0.4229316	0.6879163	0.7526591	0.2615723	0.4430689	0.4044089	0.491208	0.491208	grey
0.2039289	0.06530728	0.06199622	0.5840539	0.6073522	0.5531202	0.1212435	0.1212435	turquoise
0.7760663	0.562352	0.5260369	0.137481	0.6004564	0.08579481	0.00042789	0.00042789	grey
0.1684579	0.00087696	0.4411406	0.6905116	0.6859441	0.6281385	5.37E-05	5.37E-05	turquoise
0.08202939	0.09320766	0.0270015	0.0316142	0.4136138	0.03357181	0.3113883	0.3113883	lightcyan
0.7854648	0.7224547	0.00816777	0.2212595	0.4478159	0.6435353	0.00602617	0.00602617	grey
0.2455828	0.3758104	0.6217826	0.3918232	0.5398739	0.979632	0.1989735	0.1989735	grey
0.7032275	0.3439579	0.01410551	0.4768499	0.208258	0.7712421	1.37E-17	1.37E-17	yellow
0.451086	0.4033898	0.1085845	0.0072111	0.941962	0.4839518	0.8955847	0.8955847	grey
0.9710053	0.7841779	0.5501499	0.2574742	0.8995054	0.353182	0.6737994	0.6737994	blue
0.3431188	0.01660492	0.7481574	0.8273497	0.8492	0.638837	1.47E-05	1.47E-05	turquoise

0.9577264	0.3161663	0.05376171	0.5866669	0.7801678	0.4806192	0.1535397	0.1535397	turquoise
0.09221246	0.5193178	0.0385109	0.4933641	0.3074594	0.1104493	0.00330576	0.00330576	blue
0.5131792	0.6099661	0.5401159	0.9375508	0.8976664	0.06484493	0.0277792	0.0277792	grey
0.4285699	0.02219194	0.7706698	0.3095123	0.2324094	0.4772477	9.48E-06	9.48E-06	blue
0.1583711	0.302176	0.3214824	0.9160638	0.5723565	0.4941213	4.95E-05	4.95E-05	blue
0.4066008	0.01391306	0.01472693	0.0828292	0.8595584	0.1053554	0.00135204	0.00135204	grey
0.8237014	0.1177633	0.8739071	0.7128888	0.5086216	0.89791	0.640572	0.640572	grey
0.9459364	0.119882	0.8476665	0.5032728	0.3663592	0.8231302	0.7583871	0.7583871	darkorange
0.9249147	0.752325	0.0072084	0.3252755	0.59128	0.4076758	0.1290294	0.1290294	pink
0.235144	0.3040785	0.1244979	0.7906112	0.9250741	0.03207368	4.55E-05	4.55E-05	blue
0.626494	0.3140166	0.2901824	0.460875	0.2398672	0.1530822	0.2372942	0.2372942	grey
0.1498529	0.3117417	0.01692243	0.0262422	0.8749947	0.09195329	0.9290225	0.9290225	grey
0.2902513	0.5137775	0.00057462	0.0037364	0.4916181	0.5962161	0.07079349	0.07079349	magenta
0.4052918	0.9207209	0.4102487	0.8852692	0.9122877	0.8008517	0.6402072	0.6402072	grey
0.8433631	0.8422392	0.03362443	0.4781925	0.5790506	0.5265815	0.233926	0.233926	pink
0.8561454	0.00213464	0.330863	0.992118	0.8685424	0.9459008	3.50E-13	3.50E-13	brown
0.3844925	0.1289783	0.1476265	0.1237222	0.8728712	0.4681867	3.28E-15	3.28E-15	yellow
0.5740422	0.576112	0.8051746	0.0346462	0.1334245	0.0542523	0.7546156	0.7546156	grey
0.9302494	0.4265956	0.8578418	0.1906699	0.3778091	0.588124	0.9932483	0.9932483	grey
0.5352386	0.4018346	0.00013959	0.0253854	0.9167837	0.00084728	0.07259784	0.07259784	turquoise
0.4315329	0.568299	0.03407827	0.2319937	0.7078275	0.5292455	5.21E-05	5.21E-05	turquoise
0.6181253	0.9454455	0.00014708	0.924955	0.5703447	0.1242607	0.00339963	0.00339963	tan
0.2210626	0.1546292	0.1536737	0.2320244	0.2898032	0.3561601	0.03651193	0.03651193	grey
0.9690968	0.3483379	0.8900328	0.8494484	0.5934559	0.2948717	0.8081869	0.8081869	grey
0.1409739	0.1267527	0.3640782	0.6312612	0.2708782	0.1702228	0.4338611	0.4338611	grey
0.8278096	0.0003837	0.02897307	0.1278345	0.9704094	0.6924762	1.94E-18	1.94E-18	brown
0.5408973	0.7060146	0.00948892	0.0922476	0.947518	0.02227222	0.07490012	0.07490012	turquoise
0.6295938	0.4213577	0.02149759	0.6680395	0.8625904	0.8899263	7.41E-38	7.41E-38	yellow
0.6892496	0.03030235	0.2417164	0.0997192	0.802095	0.4278335	0.00140709	0.00140709	green
0.6617052	0.2377655	0.03042011	0.6507359	0.3554104	0.4527744	6.59E-20	6.59E-20	green
0.427292	0.01751319	0.1195587	0.6287401	0.7374477	0.8807821	8.46E-09	8.46E-09	brown
0.3287661	0.7209325	0.02607555	0.409335	0.5791519	0.3107055	0.9547302	0.9547302	turquoise
0.2199483	0.9918876	0.00749338	0.5676479	0.8263505	0.5428512	0.6175848	0.6175848	turquoise
0.743165	0.2104699	0.3452496	0.47308	0.5891244	0.2490339	0.0043196	0.0043196	grey
0.3741911	0.6617703	0.452606	0.1890286	0.05738142	0.9200368	5.39E-05	5.39E-05	blue
0.05443542	0.5626907	0.6691848	0.4869128	0.7471228	0.4203752	0.02216443	0.02216443	turquoise
0.605688	0.1438148	0.1444217	0.8803045	0.4588485	0.7455331	0.00051631	0.00051631	grey
0.6495958	0.4835271	0.2334749	0.8141836	0.460268	0.7585283	6.19E-25	6.19E-25	yellow
0.4705493	0.5477565	0.2184107	0.2490727	0.7149167	0.8589343	0.07709499	0.07709499	grey
0.9203323	0.4702865	0.9536596	0.3135249	0.9491223	0.214379	0.5978395	0.5978395	black
0.7577147	0.7930157	0.4851476	0.229533	0.965686	0.4526843	0.9507855	0.9507855	turquoise
0.4761776	0.9258257	0.1116769	0.4072894	0.6225062	0.07041847	0.02535802	0.02535802	blue
0.08054261	0.5216577	0.03179328	0.8134298	0.4372563	0.4336214	0.00057142	0.00057142	green
0.8420172	0.00211139	0.3844468	0.5160216	0.8351761	0.1778359	3.95E-13	3.95E-13	yellow
0.00225306	0.2551667	0.1041722	0.6221809	0.5014968	0.9999404	1.87E-05	1.87E-05	red
0.5361095	0.00650921	0.0362524	0.4889052	0.9946207	0.6046967	3.40E-17	3.40E-17	brown
0.4756632	0.5102263	4.21E-05	0.0857613	0.9707264	0.2764206	4.01E-17	4.01E-17	yellow
0.3923117	0.08801439	0.2529963	0.3438874	0.5322921	0.3658531	3.78E-05	3.78E-05	blue
0.6696877	0.720749	0.7721023	0.8523819	0.02822876	0.2578341	0.3466272	0.3466272	grey
0.02903797	0.00050878	0.9663036	0.2397665	0.03443976	0.9048065	0.00010495	0.00010495	turquoise
0.06919494	0.3947442	0.1102585	0.3885575	0.1401618	0.8109129	2.35E-05	2.35E-05	lightgreen
0.2776923	0.7584416	0.0011816	0.2322724	0.9025394	0.2097036	0.02724853	0.02724853	pink
0.3464019	0.78541	0.2027136	0.1010736	0.8252096	0.6293911	0.4201047	0.4201047	turquoise
0.2494721	0.09702231	0.7183825	0.7733381	0.3414515	0.7053985	2.89E-05	2.89E-05	brown
0.6106111	0.8808354	0.2730184	0.5043505	0.2694706	0.08358862	0.06190284	0.06190284	blue
0.7038036	0.3506304	0.07251596	0.0966987	0.9623577	0.1790258	0.0574391	0.0574391	grey
0.156809	0.1976937	0.2003768	0.9072099	0.5248832	0.3859809	0.00328116	0.00328116	blue
0.4634582	0.9962767	0.00084229	0.9589019	0.2313644	0.3717449	2.43E-05	2.43E-05	purple
0.1095289	0.3011804	0.09624557	0.042924	0.4520517	0.06108907	0.2331544	0.2331544	grey
0.5671856	0.22456	0.01690688	0.2086937	0.9683295	0.2023946	0.02623114	0.02623114	turquoise
0.2954156	0.1791502	0.5528196	0.7132274	0.971772	0.3617359	0.01159039	0.01159039	grey

0.05815144	0.7049371	0.5100123	0.2426183	0.01815913	0.1867675	0.8456233	0.8456233	turquoise
0.4519222	0.4372842	0.2945289	0.6644759	0.8344575	0.1038132	0.6437924	0.6437924	turquoise
0.3224119	0.8516418	0.8994692	0.2867767	0.1434779	0.08718947	0.8365449	0.8365449	turquoise
0.7959911	0.4036642	0.0671479	0.8536432	0.367985	0.6156034	0.01854239	0.01854239	cyan
0.5252748	0.5228716	0.163898	0.5885271	0.8001037	0.6066878	0.9456835	0.9456835	blue
0.3390066	0.4061326	0.4740475	0.3816159	0.5431524	0.9361687	0.00104929	0.00104929	turquoise
0.2577878	0.5171472	0.577264	0.7315272	0.4222643	0.9404535	0.417276	0.417276	turquoise
0.2960106	0.3233824	0.269265	0.7988539	0.2997286	0.3324549	0.02554991	0.02554991	grey
0.8801202	0.846005	0.06642026	0.0220997	0.4763001	0.06045022	0.01175645	0.01175645	turquoise
0.4493686	0.09581162	0.7025593	0.7729622	0.2906046	0.3282151	0.2932001	0.2932001	grey
0.9474012	0.6143276	0.3581199	0.4721343	0.7392969	0.6539829	0.00343243	0.00343243	pink
0.4722416	0.334805	0.4439948	0.1530618	0.8062323	0.1905358	0.00161891	0.00161891	turquoise
0.654433	0.9221686	0.00131219	0.617406	0.7976734	0.3017684	0.02429045	0.02429045	pink
0.9479464	0.00460167	0.00244594	0.784336	0.8303718	0.7728993	1.46E-36	1.46E-36	yellow
0.3705328	0.5420717	0.3067923	0.2601773	0.02132293	0.6085279	0.01625713	0.01625713	grey
0.4580223	0.09572342	0.2874078	0.7517286	0.664887	0.5877221	0.00682657	0.00682657	blue
0.8132691	0.00198111	0.4141377	0.0098307	0.3203362	0.2362619	5.83E-05	5.83E-05	blue
0.6898383	0.07677253	0.0381237	0.2395029	0.532373	0.3224212	0.4791531	0.4791531	grey
0.4515109	0.8873939	0.2635252	0.858417	0.9302172	0.7419288	0.08651128	0.08651128	grey
0.7128434	0.5219806	0.4027978	0.1276851	0.5985888	0.9934233	0.6811554	0.6811554	cyan
0.1981477	0.086997	0.6957432	0.7154266	0.4476106	0.8817224	0.3900305	0.3900305	greenyellow
0.3842361	0.7470798	0.02510665	0.3709287	0.06652198	0.09195406	0.6320684	0.6320684	red
0.4195335	0.09238592	0.2384197	0.2436602	0.4204494	0.4267436	0.1492039	0.1492039	turquoise
0.03232864	0.04123018	0.2138492	0.1941567	0.7089259	0.7192214	2.96E-05	2.96E-05	yellow
0.4213458	0.9289485	0.00324294	0.2992885	0.2874601	0.4945093	0.00285747	0.00285747	green
0.09350236	0.1985365	0.8321628	0.8191265	0.2745197	0.7357193	0.00012444	0.00012444	grey
0.1813819	0.2518792	0.7273417	0.9624291	0.9600854	0.6541607	1.30E-05	1.30E-05	cyan
0.2052693	0.00279552	0.8188866	0.0964575	0.6688182	0.03520447	0.245828	0.245828	yellow
0.04539681	0.9887736	0.02025	0.3914752	0.8687262	0.5736656	0.04259955	0.04259955	pink
0.0694822	0.3149625	0.00340166	0.061812	0.5886499	0.2782311	0.8263277	0.8263277	turquoise
0.9339988	0.00981271	0.6451933	0.1975861	0.5349432	0.0999148	3.18E-06	3.18E-06	blue
0.8335498	0.6428669	0.4661273	0.0347282	0.8503507	0.8420732	0.1917619	0.1917619	grey
0.5502389	0.3429491	0.00923735	0.0569088	0.6225067	0.03716341	0.2120594	0.2120594	turquoise
0.4472641	0.00421101	0.6371014	0.2741521	0.9527475	0.3349986	0.00355316	0.00355316	darkgrey
0.7325992	0.594792	0.01096507	0.2058351	0.3886875	0.6707426	0.17708	0.17708	turquoise
0.8183707	0.02989658	0.7590668	0.1806051	0.3090906	0.7380497	0.3852229	0.3852229	blue
0.03697252	0.01661834	0.5420207	0.3961922	0.9600409	0.8400754	6.28E-08	6.28E-08	blue
0.2352097	0.1258365	0.0607361	0.0145531	0.1883558	0.06277138	0.741748	0.741748	grey
0.8804117	0.292581	0.3406464	0.412418	0.7651418	0.1285521	0.00231262	0.00231262	turquoise
0.8108147	0.4374591	0.00367557	0.6855631	0.8106227	0.2473863	0.4148146	0.4148146	grey
0.4406344	0.9406866	0.0130094	0.4587218	0.7498749	0.9571053	4.68E-06	4.68E-06	magenta
0.1536689	0.2108021	0.5016044	0.0785254	0.9688344	0.1168326	0.00272605	0.00272605	grey
0.2200071	0.1307171	0.00011142	0.0028456	0.4448799	0.04208314	0.00954954	0.00954954	grey
0.4432209	0.6007743	0.04678895	0.5315428	0.05948198	0.04968216	0.2885053	0.2885053	turquoise
0.7544309	0.03790522	0.6162696	0.2138708	0.4577407	0.4167818	1.05E-05	1.05E-05	grey
0.2503917	0.03640943	0.2792413	0.8005627	0.00401575	0.312195	0.00054258	0.00054258	grey
0.4977476	0.6342303	0.00056002	0.1541946	0.6572693	0.1275986	0.1065173	0.1065173	pink
0.3809874	0.04620138	0.6081409	0.3980547	0.8728977	0.9364197	0.02000567	0.02000567	blue
0.8552148	0.8809063	0.828594	0.4092594	0.5300615	0.5596573	0.1269018	0.1269018	grey
0.4027873	0.7037096	0.06620769	0.017431	0.09107122	0.02199691	0.00153187	0.00153187	turquoise
0.6671721	0.448165	0.2451449	0.1665946	0.323264	0.07030866	0.2765691	0.2765691	red
0.2841942	0.00690929	0.0165697	0.539356	0.9353073	0.6741917	3.57E-27	3.57E-27	brown
0.5043194	0.2647736	0.4816463	0.2428314	0.8936296	0.8169037	8.53E-07	8.53E-07	brown
0.7803047	0.1403972	0.3472181	0.2652901	0.7876908	0.4553426	7.63E-07	7.63E-07	blue
0.6747493	0.337423	0.9521788	0.6819519	0.5979033	0.648667	1.04E-05	1.04E-05	blue
0.7602506	0.2625936	0.00877553	0.4468124	0.4653382	0.7730045	0.1855611	0.1855611	turquoise
0.3494542	0.04045589	0.02545458	0.6904036	0.5832422	0.5351226	0.363029	0.363029	turquoise
0.5965188	0.6504676	0.01168939	0.7446946	0.2698714	0.3673256	0.02032963	0.02032963	turquoise
0.9583638	0.3352189	0.7287135	0.3868032	0.2209029	0.7772244	0.00170588	0.00170588	grey
0.1725339	0.5647698	0.2582928	0.5281652	0.718157	0.1253504	0.05986346	0.05986346	turquoise
0.6746084	0.02140338	0.2590882	0.8545989	0.5092059	0.7237632	0.00074392	0.00074392	brown

0.6756506	0.7822525	0.1206315	0.7199353	0.8119318	0.200449	0.0004695	0.0004695	turquoise
0.01521993	0.7523001	0.9802411	0.460927	0.4595159	0.6235204	0.07769477	0.07769477	grey
0.3633359	0.9007849	0.2213089	0.7318779	0.6499449	0.5152108	0.0028684	0.0028684	grey
0.7459076	0.0100157	0.992759	0.9322721	0.003856	0.7769956	0.0812096	0.0812096	grey
0.09097515	0.2130577	0.7178458	0.5378959	0.7595853	0.9905159	0.00061189	0.00061189	grey
0.01257449	0.0353572	0.810985	0.4758849	0.4086161	0.5871176	0.01571004	0.01571004	red
0.6093841	0.05305338	0.834844	0.5962819	0.709287	0.4984307	0.07561624	0.07561624	black
0.05142658	0.8875053	0.1236619	0.6957727	0.8209835	0.2692796	0.6953568	0.6953568	blue
0.8987037	0.00183087	0.01024911	0.1574909	0.7425315	0.4921951	4.09E-17	4.09E-17	yellow
0.08298578	0.8613487	0.1032327	0.0705789	0.2583569	0.3718976	0.5566641	0.5566641	lightcyan
0.3323739	0.03071825	0.1690611	0.7428776	0.2514367	0.8363966	0.00222769	0.00222769	blue
0.02527551	0.5007132	0.9843378	0.9494882	0.4825637	0.8677565	0.01163127	0.01163127	royalblue
0.5935988	0.5062617	0.6676902	0.3503491	0.7729979	0.9814816	0.485633	0.485633	grey
0.5848216	0.5430065	0.00110213	0.4608582	0.501138	0.01187915	0.07379345	0.07379345	turquoise
0.3849467	0.1688229	0.00343225	0.0667398	0.5522758	0.0117011	0.2873548	0.2873548	white
0.9092471	0.9538678	0.1524042	0.4299999	0.6207874	0.3393702	0.1473219	0.1473219	green
0.8449152	0.01023589	0.05118616	0.7617361	0.0394452	0.8952349	1.86E-18	1.86E-18	yellow
0.2554922	0.02120903	0.5838417	0.7282274	0.8180104	0.1009359	0.00133537	0.00133537	turquoise
0.01979148	0.4924714	0.6063085	0.5812913	0.258182	0.87906	0.01068701	0.01068701	grey
0.2951604	0.9845346	0.8447722	0.6233951	0.9354694	0.6809602	0.589045	0.589045	turquoise
0.9421559	0.7024274	0.04202315	0.8918657	0.9650813	0.9030646	0.1212663	0.1212663	turquoise
0.6656915	0.7303205	0.4956309	0.1514769	0.4192357	0.8834894	0.00373421	0.00373421	blue
0.420008	0.1856943	0.4769972	0.6534428	0.2805706	0.238349	0.6346666	0.6346666	turquoise
0.6402385	0.8574492	0.2790764	0.4853458	0.3146148	0.1491784	0.01586259	0.01586259	blue
0.679886	0.4249509	0.4417095	0.5846774	0.7791135	0.7673649	0.0884628	0.0884628	grey
0.7520047	0.9411506	0.0769148	0.4742021	0.6561609	0.08341811	0.08510281	0.08510281	turquoise
0.3170303	0.1082168	0.03222099	0.1253406	0.2141153	0.06583993	0.02654106	0.02654106	grey
0.8084412	0.6384172	0.02003493	0.7092187	0.4510903	0.2238852	0.2449773	0.2449773	turquoise
0.2980322	0.9552827	0.9800813	0.6238985	0.3351267	0.7820425	0.5740804	0.5740804	grey
0.4137412	0.4890028	0.00015654	0.0880767	0.9960025	0.227675	0.9890075	0.9890075	turquoise
0.4891785	0.01416052	0.0364422	0.5779546	0.2833617	0.3624441	1.86E-11	1.86E-11	brown
0.05147779	0.1654286	0.4767369	0.7255885	0.8012023	0.8678923	2.21E-05	2.21E-05	grey
0.5386974	0.6368673	0.05525573	0.7100668	0.5553215	0.6903487	0.4301871	0.4301871	turquoise
0.3634418	0.01612306	0.02844835	0.2971095	0.1908193	0.9458998	2.10E-09	2.10E-09	brown
0.6675335	0.01337718	0.5030955	0.8090688	0.4172917	0.7597808	0.01208698	0.01208698	blue
0.9270178	0.3492329	0.08574984	0.5277884	0.4192169	0.9431785	0.3423155	0.3423155	salmon
0.1129164	0.7490783	0.4369495	0.2828953	0.2421387	0.8156835	0.06279282	0.06279282	grey
0.8989031	0.9206072	0.3743167	0.4381856	0.0124471	0.1402197	0.6246527	0.6246527	grey
0.1160731	0.6531821	0.6100797	0.9791136	0.3197266	0.2384534	0.00032297	0.00032297	grey
0.7008729	0.00548441	0.00113331	0.0406472	0.5272154	0.4798545	4.31E-20	4.31E-20	yellow
0.4020372	0.0237879	0.00250605	0.0633614	0.4251919	0.4281905	0.00048526	0.00048526	brown
0.6925948	0.00800586	0.6830728	0.0604205	0.09574564	0.718669	2.50E-07	2.50E-07	brown
0.4618578	0.6102725	0.9107608	0.9142442	0.9417583	0.5096299	0.00246822	0.00246822	green
0.7804885	0.1853443	0.5979482	0.7484081	0.3059285	0.7003486	0.4125314	0.4125314	salmon
0.5308697	0.3920716	0.384826	0.7263766	0.04456974	0.1033785	4.35E-10	4.35E-10	yellow
0.3321332	0.8465229	0.4842931	0.2234752	0.1967578	0.204289	0.9159147	0.9159147	turquoise
0.2869631	0.8977005	0.1711183	0.2015847	0.652717	0.9371481	0.5710268	0.5710268	grey
0.5031767	0.7677961	0.9819667	0.8075717	0.6172444	0.927357	0.3120766	0.3120766	blue
0.8015047	0.3065017	0.00483658	0.7078759	0.6568172	0.3010269	0.1532345	0.1532345	turquoise
0.2460848	0.6501793	0.4249525	0.690409	0.8081004	0.08584473	0.2441488	0.2441488	grey
0.8918764	0.02388238	0.1318205	0.8749528	0.9130275	0.7901018	0.00744261	0.00744261	brown
0.7949186	0.6227835	0.0273918	0.2521297	0.6719694	0.01714333	0.0001487	0.0001487	turquoise
0.2969438	0.4312118	0.04381359	0.0578684	0.5603151	0.3078487	3.44E-05	3.44E-05	yellow
0.2867847	0.8509177	0.2843736	0.4617765	0.1990908	0.05115059	0.6593943	0.6593943	turquoise
0.5053384	0.06120265	0.1287524	0.2895732	0.9937222	0.9790756	8.41E-12	8.41E-12	brown
0.9822334	0.7765649	0.01589887	0.3831021	0.4140821	0.8602764	0.485422	0.485422	grey
0.1231378	0.9347295	0.9791872	0.83737	0.4266699	0.8110495	0.235404	0.235404	grey
0.3932836	0.6025549	0.2099198	0.1396841	0.5534822	0.152789	0.6068586	0.6068586	grey
0.274371	0.953945	0.9431146	0.3914295	0.9561608	0.1026066	0.8228073	0.8228073	darkturquoise
0.7963378	0.3662163	0.0494866	0.0658519	0.3350055	0.04129027	0.1053398	0.1053398	turquoise
0.3653167	0.4347055	0.07113092	0.7579517	0.7378991	0.2151085	4.77E-05	4.77E-05	blue

0.3915426	0.01326054	0.453537	0.4937283	0.8132898	0.356476	0.00061617	0.00061617	blue
0.2144256	0.5050754	0.1727105	0.449226	0.3845869	0.2295271	0.1512464	0.1512464	grey
0.2600201	0.8545617	0.104736	0.4457456	0.8228339	0.3942935	0.01836403	0.01836403	grey
0.8905545	0.200051	0.8553911	0.8669921	0.9910001	0.9519161	0.09752158	0.09752158	grey
0.1442989	0.4459095	0.2501889	0.3677218	0.1064735	0.1174381	0.6368227	0.6368227	turquoise
0.1985183	0.9532431	0.08247901	0.2469959	0.7961068	0.2791225	0.03836859	0.03836859	lightcyan
0.1202213	0.05777207	0.4703572	0.6298275	0.3808367	0.8358201	0.00445898	0.00445898	blue
0.8024148	0.9631035	0.06461718	0.8450303	0.7546405	0.6829985	3.34E-09	3.34E-09	magenta
0.9964997	0.04418779	0.1245072	0.6828752	0.5458443	0.535281	3.54E-08	3.54E-08	grey
0.3254312	0.4739374	0.09016375	0.1672502	0.9474032	0.6807203	0.00020495	0.00020495	grey
0.6134457	0.5703091	0.3309294	0.168619	0.4911022	0.4624112	0.1201994	0.1201994	pink
0.1635825	0.6505739	0.1017367	0.2162928	0.303916	0.2149376	0.01698639	0.01698639	grey
0.5125409	0.1658278	0.7237111	0.920172	0.9930352	0.7101207	0.7050954	0.7050954	grey
0.5080382	0.411672	0.00131359	0.0710888	0.806736	0.06453899	0.6203603	0.6203603	turquoise
0.4316006	0.6138335	0.7679798	0.3988935	0.4249364	0.6248953	2.79E-05	2.79E-05	grey
0.8375689	0.2150579	0.02579819	0.3097785	0.4326123	0.7700035	0.6590374	0.6590374	turquoise
0.2410365	0.3182389	0.09391752	0.3698468	0.5977649	0.05913603	0.00287962	0.00287962	turquoise
0.4087889	0.157053	0.5966311	0.8096802	0.7820526	0.238468	0.1200683	0.1200683	blue
0.8999082	0.00055018	0.3759618	0.8618342	0.9197825	0.2543017	0.0150305	0.0150305	blue
0.08311899	0.1802104	0.01631435	0.5697446	0.09872501	0.9541462	1.85E-08	1.85E-08	brown
0.2841562	0.9160358	0.6022822	0.8937068	0.6633716	0.5142155	0.00235285	0.00235285	blue
0.2475448	0.09245153	0.6981369	0.9066471	0.3061408	0.256234	0.02431442	0.02431442	blue
0.1167991	0.2277751	0.3476171	0.4763645	0.7038573	0.1362257	0.00390313	0.00390313	blue
0.08806101	0.09717544	0.8852629	0.2228198	0.6818839	0.4715141	2.77E-07	2.77E-07	blue
0.11242	0.1370751	0.02106568	0.2592486	0.6730693	0.3968478	5.19E-05	5.19E-05	grey
0.2075941	0.4210885	0.04721704	0.1643807	0.6237771	0.1910946	1.11E-05	1.11E-05	turquoise
0.2433721	0.3424284	0.1741449	0.340781	0.8701738	0.1150887	0.0804271	0.0804271	blue
0.6878074	0.1945706	0.00691877	0.1685207	0.5724067	0.02607851	5.42E-05	5.42E-05	turquoise
0.552785	0.2670149	0.01542294	0.2358465	0.4176503	0.2157905	0.01088848	0.01088848	turquoise
0.3838506	0.503587	0.02843331	0.7595192	0.2084821	0.7408252	0.1933769	0.1933769	turquoise
0.1312167	0.07080775	0.3166434	0.1672345	0.8211431	0.1802886	0.1046803	0.1046803	grey
0.719769	0.02283389	0.3704966	0.0788463	0.9418497	0.4378837	0.3143882	0.3143882	grey
0.5776497	0.06084042	0.5550065	0.0707522	0.4224087	0.694553	0.1402188	0.1402188	blue
0.5594822	0.4942168	0.5006936	0.994394	0.6202199	0.6233924	0.04026927	0.04026927	grey
0.657774	0.1077671	0.9771561	0.1523062	0.7395439	0.3645798	0.0177814	0.0177814	grey
0.9054407	0.00908002	0.4677222	0.5176211	0.9827191	0.6673091	0.0105019	0.0105019	blue
0.3416211	0.4921104	0.6371682	0.4410354	0.9740043	0.05844861	0.02185355	0.02185355	grey
0.2512556	0.1201845	0.7548438	0.5282321	0.8004411	0.6602416	0.00025641	0.00025641	blue
0.1272458	0.02860574	0.8787474	0.1453965	0.1779326	0.9277062	0.02204172	0.02204172	grey
0.03641221	0.5614431	0.01458168	0.2328355	0.7186602	0.1826671	0.02342345	0.02342345	blue
0.491784	0.3767533	0.07889233	0.2390312	0.5161694	0.2296317	0.05009297	0.05009297	midnightblue
0.9375929	0.06761441	0.1724514	0.6057443	0.3761756	0.7375181	0.01088845	0.01088845	turquoise
0.1030055	0.921889	0.7241869	0.5181652	0.9328068	0.06732597	0.4040061	0.4040061	turquoise
0.3381395	0.2650045	0.198736	0.1449525	0.3836189	0.5046495	0.243902	0.243902	turquoise
0.04317094	0.3286822	0.9772062	0.288996	0.1419551	0.7530768	0.0865683	0.0865683	grey
0.1775684	0.9182587	0.2659329	0.9111865	0.1125462	0.5060289	0.8580733	0.8580733	blue
0.8342335	0.386161	0.5510067	0.6914139	0.5702014	0.4316875	0.02207844	0.02207844	grey
0.3556809	0.905104	0.0001012	0.0146043	0.5703305	0.1150053	0.00489249	0.00489249	turquoise
0.6235779	0.4671524	0.6693875	0.3191755	0.4452089	0.4342963	0.02543543	0.02543543	grey
0.7036486	0.4109013	2.95E-05	0.0168438	0.7297813	0.00204321	0.5441475	0.5441475	turquoise
0.01312371	0.1739495	0.3220689	0.384498	0.570676	0.04252932	0.0568313	0.0568313	grey
0.105799	0.01031173	0.03335137	0.0458176	0.5027088	0.8567292	9.50E-10	9.50E-10	yellow
0.01920411	0.212801	0.3995104	0.6441859	0.4035996	0.4331165	0.6687388	0.6687388	grey
0.289703	0.5492367	0.02653002	0.1758184	0.2718988	0.8442701	0.00044012	0.00044012	turquoise
0.5169068	0.00601483	0.00076855	0.012499	0.9612243	0.5915828	1.94E-15	1.94E-15	yellow
0.1884783	0.2198085	0.9690891	0.8532236	0.4730553	0.3966999	0.04059056	0.04059056	turquoise
0.9222101	0.5434249	0.2483617	0.7166399	0.8507662	0.5951099	0.121838	0.121838	turquoise
0.5735498	0.7978393	0.03923216	0.0381888	0.6601702	0.1602869	0.2849898	0.2849898	grey
0.4327306	0.04781368	0.505985	0.2159256	0.673061	0.8672773	0.00385523	0.00385523	blue
0.7347297	0.3011853	0.4888509	0.7016408	0.4188542	0.642349	0.01102665	0.01102665	turquoise
0.6956358	0.9803955	0.104519	0.6940246	0.2232492	0.3366238	1.87E-16	1.87E-16	yellow

0.1515936	0.4525049	0.1680663	0.8432244	0.7391739	0.607372	0.07163988	0.07163988	lightgreen
0.7939792	0.3730985	0.6867395	0.2282022	0.6929718	0.4752565	0.9892279	0.9892279	black
0.1609863	0.2340127	0.578039	0.3507686	0.6730477	0.4027146	0.1945688	0.1945688	blue
0.1248845	0.5135654	0.01172193	0.0464575	0.4063624	0.04370171	0.02069598	0.02069598	grey
0.0704863	0.2818578	0.04646108	0.7246392	0.6004937	0.3709545	2.31E-08	2.31E-08	yellow
0.9400281	0.8774624	0.04534311	0.0456474	0.8679897	0.0637167	0.5311529	0.5311529	turquoise
0.1621107	0.6556987	0.03369596	0.5293266	0.440498	0.248263	4.30E-09	4.30E-09	yellow
0.6687492	0.2480365	0.7814904	0.5060429	0.6878588	0.1732123	0.1533841	0.1533841	grey
0.9886114	0.2023012	0.1403659	0.1492893	0.8774506	0.2676025	0.1391854	0.1391854	turquoise
0.854106	0.7327214	0.4714853	0.08434	0.8585734	0.2611341	0.5754327	0.5754327	green
0.6206931	0.5584674	0.0109232	0.8867444	0.9727383	0.11407	0.9933401	0.9933401	turquoise
0.6238692	0.6543111	0.01308448	0.1954933	0.7333998	0.1500242	0.4308806	0.4308806	turquoise
0.6119389	0.00091768	0.5010093	0.7522518	0.414452	0.8068303	0.00326654	0.00326654	grey60
0.8516388	0.08768433	0.9316103	0.485578	0.8586557	0.7741057	2.99E-06	2.99E-06	blue
0.6685925	0.4486767	0.00393567	0.0093456	0.7941971	0.00146769	0.3392037	0.3392037	turquoise
0.03481234	0.2670257	0.6974354	0.4241628	0.3676094	0.7763705	0.01941544	0.01941544	grey
0.4692426	0.243079	0.8863211	0.5245576	0.4366462	0.5271111	1.07E-05	1.07E-05	blue
0.9338835	0.3337358	0.00086336	0.0374534	0.9917353	0.09937473	0.01614343	0.01614343	turquoise
0.4312199	0.5741944	0.01281067	0.1809372	0.5900699	0.03179478	0.2614395	0.2614395	red
0.00534621	0.4313676	0.1052228	0.4217148	0.9224872	0.9287084	0.3663251	0.3663251	grey
0.5006251	0.07445839	0.2375646	0.5507746	0.8526486	0.6852825	0.3607318	0.3607318	grey
0.9668459	0.9484681	0.5810639	0.262696	0.9900827	0.1913677	0.00123313	0.00123313	turquoise
0.5972938	0.04413919	4.31E-05	0.0362775	0.2243546	0.105165	5.59E-05	5.59E-05	turquoise
0.6047564	0.3650952	0.5837255	0.9768268	0.8918366	0.9320198	0.04723767	0.04723767	grey
0.767948	0.9617684	0.3426697	0.1795627	0.02169262	0.3435007	0.9740741	0.9740741	blue
0.1368061	0.9277816	0.02780476	0.8300309	0.5490364	0.03953625	0.00899397	0.00899397	turquoise
0.6954378	0.3048463	0.00140284	0.3834365	0.9762072	0.6765729	0.5951532	0.5951532	turquoise
0.3633076	0.05020846	0.8023767	0.3459241	0.780319	0.3818432	0.00209709	0.00209709	blue
0.824871	0.492926	6.87E-05	0.0243978	0.04924178	0.2566992	4.98E-05	4.98E-05	magenta
0.2855327	0.04251298	0.4181366	0.2549173	0.00076406	0.1891105	0.00020334	0.00020334	turquoise
0.3497374	0.7594063	0.1286146	0.7615691	0.6916029	0.9556368	0.9234981	0.9234981	grey
0.04769897	0.6121294	0.2172283	0.0313601	0.1326868	0.05943273	0.2623648	0.2623648	turquoise
0.1947937	0.2185279	0.7894436	0.2613082	0.7912689	0.294249	0.08767194	0.08767194	grey
0.3391981	0.372773	0.7663807	0.8653469	0.2679905	0.4756721	0.03807663	0.03807663	salmon
0.5374912	0.5246415	0.4130019	0.4106114	0.7509554	0.1296287	0.02060247	0.02060247	turquoise
0.461633	0.4807504	0.2117258	0.6910497	0.5140843	0.3317553	0.00153273	0.00153273	grey
0.07700817	0.00387779	0.5518032	0.3153554	0.7416654	0.672447	2.47E-06	2.47E-06	brown
0.3446602	0.4633941	0.5125637	0.2957905	0.8417241	0.5432822	0.7840131	0.7840131	grey
0.3177474	0.4899124	0.726346	0.333841	0.7337924	0.8338316	0.0921012	0.0921012	turquoise
0.4461065	0.08503407	0.9748603	0.8989424	0.7517467	0.205499	0.00301522	0.00301522	blue
0.4970854	0.7267303	0.0534151	0.0250046	0.2077013	0.00788816	0.1924056	0.1924056	turquoise
0.9644291	0.2162542	0.1643949	0.4539418	0.7260319	0.9364288	0.2889474	0.2889474	grey
0.3654521	0.5373432	0.7436483	0.2953292	0.554492	0.7302578	0.3411821	0.3411821	blue
0.06963137	0.2047551	0.7724646	0.4298044	0.8201279	0.3774834	0.06740556	0.06740556	grey
0.07350119	0.5611239	0.7671773	0.7669586	0.7672649	0.5343262	0.00131447	0.00131447	greenyellow
0.9437084	0.3448603	0.09555517	0.8033004	0.2787423	0.6030185	0.4316695	0.4316695	blue
0.09337197	0.1563979	0.758252	0.4456964	0.1333342	0.322175	0.00528379	0.00528379	grey
0.7857726	0.3730946	0.0363477	0.6746713	0.7782879	0.5274215	0.7028093	0.7028093	grey
0.2338679	2.03E-05	0.01805794	0.3959392	0.5912409	0.9461375	2.54E-20	2.54E-20	brown
0.05623724	0.5995638	0.1338907	0.368285	0.8242161	0.1231027	0.00658253	0.00658253	blue
0.5420201	0.5627261	0.3560019	0.6235742	0.8948476	0.3868867	4.00E-07	4.00E-07	blue
0.7990012	0.9113668	0.00034519	0.0006592	0.04348791	0.00084889	0.592826	0.592826	turquoise
0.08672338	0.4115314	0.04238537	0.6184183	0.734282	0.04186494	0.1375169	0.1375169	turquoise
0.08233054	0.6787478	0.9813571	0.5527672	0.4894832	0.6150027	0.9257615	0.9257615	black
0.3035138	0.08225065	0.2381354	0.8740051	0.4483715	0.7785154	0.00017176	0.00017176	grey
0.236802	0.00863969	0.05329169	0.8860462	0.5673572	0.9277947	1.95E-15	1.95E-15	brown
0.7309853	0.5084626	0.03279028	0.5319829	0.5263625	0.1689325	1.86E-05	1.86E-05	turquoise
0.6143794	0.03369472	0.1550695	0.2099686	0.9092843	0.2339545	0.0270716	0.0270716	blue
0.00868944	0.4658168	0.9103975	0.0713262	0.9916125	0.4719907	0.1569718	0.1569718	royalblue
0.8264734	0.2881126	0.00380323	0.0363107	0.4387875	0.1820958	7.46E-05	7.46E-05	green
0.4360141	0.8786297	0.04023778	0.4287705	0.9331629	0.8603461	0.00801864	0.00801864	turquoise

0.8355338	0.9172368	0.1071524	0.740103	0.2189927	0.648184	0.3448797	0.3448797	grey
0.1425896	0.9864706	0.8202492	0.5293154	0.8268394	0.4440401	0.3108096	0.3108096	red
0.5296197	0.00252507	0.01609213	0.3435915	0.7443599	0.818735	2.59E-17	2.59E-17	brown
0.1034651	0.9635987	0.5509317	0.536849	0.8367557	0.78821	0.4307263	0.4307263	grey
0.9651567	0.6498827	0.03502031	0.3884949	0.3670572	0.1563334	0.00027447	0.00027447	turquoise
0.6365841	0.1763191	0.00797031	0.3757049	0.8136203	0.2946526	1.47E-08	1.47E-08	yellow
0.7320891	0.2963341	0.6007513	0.8273645	0.3916144	0.3800279	2.54E-06	2.54E-06	grey
0.9846652	0.4432871	0.2262152	0.4966623	0.1634369	0.9582699	0.00031894	0.00031894	blue
0.7090371	0.0079931	0.1237089	0.7885581	0.9190098	0.9819429	2.52E-19	2.52E-19	brown
0.8902921	0.8664061	0.05720695	0.3936204	0.7517539	0.1036776	0.3719668	0.3719668	grey
0.7249115	0.8880002	0.1894717	0.5841786	0.1188508	0.4638873	0.8530713	0.8530713	grey
0.8297826	0.2787132	0.430909	0.9209866	0.7476748	0.00859961	0.00016412	0.00016412	skyblue
0.7927882	0.8181381	0.6867943	0.3057276	0.734536	0.844392	0.3046478	0.3046478	turquoise
0.9706901	0.1296854	0.6764411	0.8542512	0.6864498	0.7708597	0.04176027	0.04176027	turquoise
0.05473317	0.1752884	0.5358709	0.6746387	0.8834333	0.9048709	0.5390269	0.5390269	turquoise
0.4588648	0.2239023	0.230043	0.9700293	0.9865315	0.7418602	0.6463551	0.6463551	turquoise
0.2512199	0.5552961	0.5582915	0.4828483	0.6310808	0.5264441	0.00131476	0.00131476	grey
0.1303373	0.9696032	0.1449679	0.1798241	0.9841219	0.8617524	0.00144287	0.00144287	turquoise
0.2901429	0.2235783	0.6133497	0.9154783	0.5384819	0.6745594	0.1193325	0.1193325	blue
0.76787	0.9916006	0.5298672	0.5201666	0.5885864	0.3736122	0.00234611	0.00234611	blue
0.5359186	0.02380488	0.1069848	0.8532013	0.1238119	0.2280098	0.5511473	0.5511473	grey
0.4168249	0.3511688	0.9480201	0.6768911	0.7025627	0.7272792	0.2865979	0.2865979	red
0.5262442	0.8109901	0.1301711	0.754871	0.3690895	0.442783	0.05571359	0.05571359	pink
0.0839181	0.9000065	0.5738237	0.6443803	0.7253108	0.6487245	0.9209736	0.9209736	turquoise
0.2382483	0.00471928	0.08980157	0.6595656	0.4653146	0.2721969	1.03E-10	1.03E-10	brown
0.6922984	0.1862764	0.1381862	0.8533141	0.8885052	0.3946409	0.1314916	0.1314916	darkred
0.6665832	0.3958129	0.01237319	0.4761623	0.9129851	0.5694915	0.07139444	0.07139444	grey
0.5363999	0.5787353	0.01821689	0.4851859	0.8791619	0.2445945	1.70E-05	1.70E-05	yellow
0.7060483	0.1981349	0.3718097	0.016136	0.4269624	0.1444483	6.52E-08	6.52E-08	blue
0.8508191	0.7226682	0.1349128	0.4949809	0.6396334	0.01448662	0.0070031	0.0070031	blue
0.06148217	0.1875239	0.7882789	0.9578776	0.565239	0.4539929	0.2102315	0.2102315	grey
0.3968455	0.231956	0.1594234	0.9019667	0.510574	0.8158591	0.00594993	0.00594993	turquoise
0.9392896	0.1920284	0.02223302	0.1955709	0.858578	0.02928772	4.08E-06	4.08E-06	turquoise
0.9847956	0.217587	0.5415808	0.6222767	0.8103348	0.2586493	0.00799995	0.00799995	blue
0.89566	0.02415306	0.153703	0.0880796	0.9158273	0.04880942	5.75E-09	5.75E-09	blue
0.2020151	0.00540045	0.6505351	0.7712579	0.8225394	0.5995165	0.7342001	0.7342001	greenyellow
0.06751306	0.9331815	0.7607611	0.4953356	0.4740172	0.5484084	0.9008269	0.9008269	grey
0.6071871	0.6912831	0.8588129	0.8510107	0.3437492	0.4125206	0.420632	0.420632	turquoise
0.7217243	0.2964103	0.00536008	0.2244657	0.4734579	0.0707029	0.2298872	0.2298872	turquoise
0.9773081	0.4025101	0.8307568	0.6982398	0.270775	0.2551796	0.6409248	0.6409248	grey
0.9345476	0.1402795	0.2172565	0.8486604	0.03682724	0.2269917	2.66E-05	2.66E-05	grey
0.9333307	0.219684	0.01550352	0.3737094	0.6674701	0.814495	1.78E-05	1.78E-05	brown
0.8237097	0.01268234	0.01104195	0.3924739	0.7442071	0.8477707	1.14E-36	1.14E-36	yellow
0.5003676	0.9967395	0.8237738	0.8032677	0.9759308	0.8009565	0.3357446	0.3357446	grey
0.1691133	0.7622158	0.04573423	0.0082006	0.1466552	0.1586857	0.9558212	0.9558212	turquoise
0.4530807	0.8356916	0.00266158	0.0431095	0.5024586	0.03639425	0.489113	0.489113	turquoise
0.5386168	0.04725201	0.1445847	0.0189271	0.9671448	0.5146164	1.05E-05	1.05E-05	yellow
0.1944744	0.5158073	0.8250766	0.4148525	0.2962607	0.630381	0.07203621	0.07203621	grey
0.3706402	0.8063051	0.00619684	0.0760304	0.3627144	0.03169121	0.6593549	0.6593549	turquoise
0.6453238	0.00564619	0.02467858	0.5508366	0.8119285	0.3496179	1.08E-17	1.08E-17	brown
0.4361746	0.9491094	0.1683737	0.5748207	0.8373695	0.5173509	0.3925204	0.3925204	grey
0.5744749	0.2484224	0.00130491	0.0335767	0.8580622	0.03160744	0.01481953	0.01481953	turquoise
0.4142252	0.9015493	0.5189724	0.948576	0.22784	0.2752872	0.100055	0.100055	grey
0.9766709	0.7686634	0.2349816	0.9678581	0.6269226	0.3110079	0.00726133	0.00726133	turquoise
0.2959428	0.663099	0.1737249	0.1314935	0.8949749	0.2100316	0.8434849	0.8434849	green
0.6407627	0.09763661	0.4709868	0.9538093	0.9472347	0.332101	7.94E-06	7.94E-06	blue
0.891323	0.4810648	0.7796592	0.4294972	0.5094175	0.8499276	0.3514258	0.3514258	greenyellow
0.2163037	0.101291	0.1616475	0.9091252	0.9350125	0.2158784	1.91E-07	1.91E-07	blue
0.2898031	0.1360608	0.9581395	0.3453801	0.1029884	0.7510731	4.23E-07	4.23E-07	turquoise
0.723785	0.5341894	0.5579672	0.7155184	0.539025	0.2548261	3.26E-05	3.26E-05	midnightblue
0.9199164	0.3945822	0.2324119	0.9746086	0.7627471	0.3975803	0.7316443	0.7316443	turquoise

0.08617164	0.7509502	0.558206	0.3634889	0.963534	0.09675883	0.3315905	0.3315905	turquoise
0.05910972	0.2129353	0.7612091	0.5778918	0.4670132	0.7367	0.0224366	0.0224366	grey
0.6965989	0.7402099	0.1700127	0.7924237	0.3293262	0.7775287	0.1418725	0.1418725	turquoise
0.0203416	0.01389306	0.1224276	0.0466968	0.1676693	0.2356726	0.00445045	0.00445045	blue
0.2433361	0.02555779	0.5751064	0.9487489	0.8681374	0.120871	1.43E-07	1.43E-07	salmon
0.2156867	0.8143388	0.3396874	0.3976148	0.9121465	0.05779314	0.02049744	0.02049744	grey
0.9182988	0.05024561	0.5096448	0.5222743	0.2540179	0.4857756	0.9736193	0.9736193	blue
0.4680564	0.08075185	0.1530532	0.3568703	0.6700935	0.587517	0.00139912	0.00139912	turquoise
0.5161322	0.5776493	0.5101145	0.7901566	0.6640402	0.1326372	0.199852	0.199852	turquoise
0.9212086	0.08574739	0.8044561	0.1941037	0.3872812	0.5112835	0.1789217	0.1789217	blue
0.08126635	0.3960114	0.1494176	0.3985376	0.6771038	0.3045729	0.1398766	0.1398766	grey
0.02095879	0.1926414	0.09753667	0.2944224	0.02436945	0.4096008	0.00920703	0.00920703	turquoise
0.7880648	0.08937977	0.998834	0.1016521	0.9912463	0.7249086	4.03E-05	4.03E-05	grey
0.2085361	0.06537575	0.0170907	0.11942	0.833684	0.08196123	2.56E-05	2.56E-05	turquoise
0.3921642	0.0615072	0.2382046	0.5416356	0.6711282	0.5975609	0.05770186	0.05770186	turquoise
0.6327012	0.3289903	0.5480445	0.728954	0.2744784	0.3471569	0.00065125	0.00065125	blue
0.6113153	0.05976908	0.1006335	0.2609913	0.9599824	0.2255307	0.00035958	0.00035958	turquoise
0.1986013	0.4252094	0.1490788	0.751006	0.7506004	0.5450371	0.6037631	0.6037631	turquoise
0.5487722	0.1236441	0.345024	0.0729655	0.4899004	0.5870091	8.57E-06	8.57E-06	brown
0.2395413	0.315267	0.00077365	0.1840668	0.2386811	0.04779121	5.97E-07	5.97E-07	magenta
0.2915395	0.1531752	0.03120588	0.2420054	0.5379838	0.09616856	0.00530816	0.00530816	blue
0.46758	0.7691468	0.67185	0.703114	0.8516835	0.9587359	0.1539896	0.1539896	turquoise
0.313762	0.9388343	0.6710941	0.0060373	0.7230517	0.6741581	0.02052812	0.02052812	blue
0.00713646	0.6950851	0.2153863	0.947162	0.9664121	0.06278822	0.6003407	0.6003407	skyblue
0.5783722	0.986153	0.03088422	0.9684064	0.4185178	0.4527353	0.03373471	0.03373471	grey
0.2103505	0.2993009	0.8667646	0.2067808	0.9243424	0.4113318	0.00020691	0.00020691	darkorange
0.1499389	0.00933892	0.01283768	0.8607317	0.522833	0.6532071	0.8686123	0.8686123	greenyellow
0.1194311	0.01931319	0.3928072	0.876286	0.8914158	0.4436449	8.20E-10	8.20E-10	blue
0.3949514	0.5920094	0.6431793	0.2434499	0.6420144	0.7158301	0.3634829	0.3634829	blue
0.00562417	0.1207113	0.04912033	0.3823223	0.860311	0.290654	3.09E-05	3.09E-05	turquoise
0.07570109	0.0577062	0.1815947	0.2442396	0.352639	0.09814807	0.01114329	0.01114329	turquoise
0.1602266	0.07589438	0.4078961	0.3509933	0.8589721	0.5760631	8.37E-05	8.37E-05	blue
0.6962067	0.801026	0.01760592	0.147319	0.3427715	0.3652997	0.2250619	0.2250619	turquoise
0.1604482	0.00084859	0.05562052	0.6028289	0.1759578	0.9546413	4.48E-11	4.48E-11	grey
0.4199923	0.02468589	0.0087519	0.7904067	0.6947907	0.2456412	0.0101331	0.0101331	grey
0.6385603	0.7602481	0.00063641	0.1148543	0.5363756	0.1265654	0.1113595	0.1113595	pink
0.3851421	0.2575714	0.00014396	0.1757694	0.5131208	0.1561105	1.48E-10	1.48E-10	brown
0.1601765	0.2883484	0.04258251	0.3961115	0.9061481	0.06624087	0.03632494	0.03632494	blue
0.1007367	0.00969477	0.02997	0.2699485	0.4502676	0.01204101	1.36E-05	1.36E-05	turquoise
0.6227933	0.6834389	0.5383619	0.8274281	0.498189	0.8199309	0.4545881	0.4545881	grey
0.7483433	0.2188982	0.3430554	0.7919437	0.9811755	0.235307	7.79E-25	7.79E-25	yellow
0.8366336	0.01438913	0.7562	0.1483963	0.8292103	0.2417527	0.00026262	0.00026262	blue
0.9602475	0.03334077	0.3168814	0.7475216	0.7828403	0.7917143	0.4763413	0.4763413	black
0.2911471	0.00367094	0.1156773	0.7257659	0.8063349	0.2553434	2.46E-11	2.46E-11	brown
0.3642138	0.5486634	0.00049217	0.0233358	0.5441539	0.6857287	4.07E-08	4.07E-08	magenta
0.6145647	0.3361953	0.2920143	0.4053472	0.5416436	0.9130687	0.9339926	0.9339926	blue
0.6187993	0.7143107	0.1058985	0.5356201	0.2597087	0.6718818	0.7303616	0.7303616	grey
0.428279	0.4114875	0.748798	0.6529977	0.8248179	0.6223144	0.09265397	0.09265397	turquoise
0.2301132	0.4984233	0.4496668	0.3158005	0.9738395	0.4428555	0.02883311	0.02883311	grey
0.8352139	0.02496455	0.2399465	0.0672092	0.9323562	0.7641385	0.2243935	0.2243935	grey
0.1196068	0.7554542	0.07307026	0.6657642	0.7494513	0.6091363	0.4866758	0.4866758	grey
0.4756397	0.7412917	0.071904	0.0427305	0.058495	0.213122	0.00400072	0.00400072	grey
0.1075372	0.00191878	0.167418	0.3940798	0.6315753	0.2584618	0.0072981	0.0072981	blue
0.1698502	0.01175707	0.4439839	0.2373271	0.3962593	0.182324	0.4050639	0.4050639	grey
0.2635683	0.04292565	0.0569168	0.5820165	0.1028999	0.07875188	0.01339387	0.01339387	blue
0.4623229	0.8202179	0.3112376	0.9526637	0.8066794	0.02700132	0.9318364	0.9318364	turquoise
0.7045827	0.03542742	7.71E-05	0.029278	0.8019377	0.04423234	2.85E-08	2.85E-08	turquoise
0.3458937	0.03436735	0.5861109	0.1098849	0.9968081	0.9458097	0.6503162	0.6503162	blue
0.6247746	0.3391315	0.5716747	0.3241581	0.2791233	0.5127923	5.62E-07	5.62E-07	blue
0.2987662	0.9236107	0.1185029	0.9357844	0.09909163	0.2046136	0.00537815	0.00537815	blue
0.2677789	0.1031261	0.7865566	0.1993664	0.6911561	0.9666495	0.08051274	0.08051274	blue

0.1850007	0.4002302	0.00859656	0.0711201	0.3041779	0.05055479	0.2026287	0.2026287	turquoise
0.437338	0.06227087	0.08923324	0.4436082	0.8031703	0.2179521	0.00772217	0.00772217	grey
0.2755856	0.5417153	0.3759099	0.0698219	0.00482635	0.1688843	0.08931511	0.08931511	blue
0.01717577	0.6285054	0.7623188	0.9368397	0.1758306	0.06059222	0.8803621	0.8803621	grey
0.09731628	0.01316358	0.02505808	0.6363201	0.5357368	0.2893706	5.29E-06	5.29E-06	blue
0.287244	0.0391365	0.3186952	0.2121382	0.3096576	0.6536829	6.02E-05	6.02E-05	green
0.6665887	0.1261108	0.3649478	0.9967419	0.4510565	0.8100993	6.36E-05	6.36E-05	brown
0.5447372	0.06006668	0.6887638	0.4410314	0.4894096	0.7625276	0.08432454	0.08432454	green
0.8646509	0.02575242	0.00081843	0.059619	0.9808637	0.04122173	5.13E-24	5.13E-24	brown
0.6177594	0.7653248	0.5090339	0.616471	0.4196693	0.8955674	0.3923512	0.3923512	grey
0.08689096	0.1481188	0.07975059	0.415487	0.7663649	0.2727912	0.0149021	0.0149021	grey
0.6128681	0.7311305	0.03204369	0.2531509	0.8722171	0.06343077	0.0153245	0.0153245	turquoise
0.3413664	0.8173194	0.9154138	0.9169927	0.6760612	0.6210672	0.0760717	0.0760717	turquoise
0.1810346	0.00166685	0.1916834	0.8346334	0.4004458	0.7579772	0.1394662	0.1394662	grey
0.889635	0.00698156	0.3985161	0.6284408	0.6750814	0.7109237	4.46E-07	4.46E-07	green
0.8410407	0.00021703	0.01995872	0.3994233	0.9472437	0.4112538	1.37E-18	1.37E-18	brown
0.9051966	0.556443	0.04774642	0.0570017	0.4240144	0.01535311	7.49E-07	7.49E-07	turquoise
0.379069	0.8924069	0.100736	0.9849561	0.7919855	0.5834203	0.08005809	0.08005809	greenyellow
0.5917332	0.1251494	0.00378083	0.3445893	0.4054092	0.07890734	0.3914534	0.3914534	turquoise
0.3608813	0.3704355	0.03322739	0.1938997	0.4028659	0.04181422	0.01869245	0.01869245	turquoise
0.6091233	0.2404725	0.3399326	0.0231403	0.6302826	0.05047046	0.01692059	0.01692059	grey
0.9805743	0.1956503	0.4306503	0.2827252	0.3831046	0.3534493	0.00046007	0.00046007	brown
0.2338208	0.01693397	0.5120516	0.4285926	0.5913493	0.3778518	8.57E-06	8.57E-06	blue
0.3155935	0.73045	0.6957559	0.3518977	0.8128076	0.7178672	0.00012055	0.00012055	turquoise
0.4645828	0.07365226	0.01045108	0.0194918	0.2527871	0.8825392	7.22E-14	7.22E-14	yellow
0.3737663	0.6808267	0.2485384	0.0534667	0.3715386	0.2182584	0.8071403	0.8071403	grey
0.5834112	0.1580335	0.1319825	0.9272981	0.1975736	0.03188499	0.1929876	0.1929876	grey
0.8031303	0.09764529	0.5811911	0.9695727	0.8218544	0.1408643	0.02384834	0.02384834	turquoise
0.00383623	0.3102205	0.1608834	0.9862832	0.5991183	0.4289535	0.00492551	0.00492551	grey
0.08785569	0.2455708	0.01511697	0.8862928	0.7178931	0.03138072	0.00195026	0.00195026	darkred
0.8391655	0.4961503	0.06351514	0.3801578	0.7716958	0.4397832	0.03830076	0.03830076	blue
0.08562999	0.1742652	0.01544008	0.4137376	0.8389287	0.1858718	3.05E-05	3.05E-05	grey
0.9561599	0.9327606	0.1534611	0.6541614	0.9935809	0.6440635	0.4578501	0.4578501	turquoise
0.1800069	0.583477	0.6680773	0.4760555	0.6742986	0.211647	0.02200345	0.02200345	turquoise
0.916196	0.178694	0.6561187	0.5229785	0.8903537	0.2875075	7.71E-05	7.71E-05	blue
0.07868607	0.7869449	0.06947139	0.1115563	0.8684775	0.5508039	0.9271124	0.9271124	grey
0.5852705	0.08276964	0.2524599	0.016325	0.6257733	0.06244883	0.00937772	0.00937772	grey
0.9543135	0.6064816	0.3480831	0.1046346	0.7082162	0.2970901	2.78E-15	2.78E-15	yellow
0.8264807	0.1283249	0.191243	0.9381987	0.8110539	0.06157135	1.18E-05	1.18E-05	blue
0.8769254	0.07029982	0.3052781	0.4500331	0.7957792	0.6602091	0.01580209	0.01580209	turquoise
0.09300327	0.3346468	0.0462819	0.0087305	0.1485797	0.05323011	0.1544201	0.1544201	turquoise
0.5690964	0.9365866	0.04126484	0.1222206	0.511685	0.5817666	0.05018365	0.05018365	green
0.7168126	0.4999839	0.1151489	0.811303	0.5390444	0.2538686	0.4771349	0.4771349	grey
0.8985783	0.9972802	0.03938453	0.8351836	0.6463501	0.09028325	0.1257544	0.1257544	turquoise
0.2807262	0.05852139	0.1579623	0.2395689	0.4023915	0.348451	0.00639463	0.00639463	turquoise
0.00621857	0.5674076	0.2467954	0.535216	0.7423553	0.3831171	0.03277689	0.03277689	turquoise
0.4082471	0.08886993	0.02704164	0.088703	0.2230084	0.08957707	0.00325822	0.00325822	grey
0.5883431	0.02042697	0.0898973	0.7032334	0.5728804	0.6355314	5.01E-11	5.01E-11	brown
0.00492598	0.9973772	0.1273326	0.5989614	0.2177058	0.6838247	0.1149969	0.1149969	grey
0.1546271	0.3582533	0.05861398	0.4045286	0.8991229	0.3299437	0.09548918	0.09548918	turquoise
0.9642261	0.1017796	0.6519157	0.4799028	0.2470381	0.5792638	0.02132117	0.02132117	blue
0.2346212	0.3395049	0.6662921	0.0097028	0.3473707	0.7892141	0.05531472	0.05531472	grey
0.2328547	0.09712246	0.6571289	0.3820028	0.9373073	0.4984282	0.04032881	0.04032881	turquoise
0.3027766	0.00248053	0.04535903	0.9210914	0.8131097	0.6851844	7.85E-11	7.85E-11	brown
0.1629603	0.7470115	0.02255578	0.104447	0.532275	0.5844901	0.04656267	0.04656267	grey
0.8047573	0.336684	0.6278243	0.9495483	0.6294084	0.1818371	0.0196238	0.0196238	blue
0.1008922	0.2766893	0.02614644	0.2654659	0.3514027	0.2462408	0.00748688	0.00748688	yellow
0.01151542	0.07289959	0.0727605	0.8146656	0.3256524	0.04579197	0.6452434	0.6452434	turquoise
0.7898935	0.06368402	0.00219275	0.1052803	0.6778666	0.9708869	2.66E-07	2.66E-07	brown
0.6128981	0.3111331	0.00050711	0.5505554	0.6656799	0.03207905	0.00100395	0.00100395	darkorange
0.3129786	0.6110387	0.1103197	0.4515204	0.3815427	0.9397023	0.00011167	0.00011167	blue

0.01989192	0.3153375	0.2178618	0.961674	0.8668118	0.642818	3.07E-05	3.07E-05	blue
0.9248474	0.5098292	0.1135899	0.9244152	0.7336461	0.1327824	0.07046587	0.07046587	turquoise
0.30931	0.6999873	0.3546993	0.4609138	0.8015572	0.3259447	0.02895458	0.02895458	turquoise
0.7814869	0.2123608	0.7762477	0.9571905	0.4071612	0.4326684	0.02449273	0.02449273	grey
0.195919	0.6476112	0.05163291	0.5197992	0.6504035	0.3708834	0.00016125	0.00016125	turquoise
0.05153128	0.8162392	0.8602018	0.8494932	0.5582861	0.2863135	0.00142826	0.00142826	grey
0.8928312	0.3989552	0.2052471	0.7659136	0.04771933	0.319962	0.01802246	0.01802246	turquoise
0.7078558	0.8214539	0.2722123	0.230386	0.989517	0.8507864	1.79E-21	1.79E-21	yellow
0.4067754	0.08607578	0.03080073	0.0053891	0.3495642	0.01951783	0.7807656	0.7807656	lightcyan
0.122732	0.01518068	0.9704617	0.0319819	0.9456236	0.9282637	0.00016389	0.00016389	blue
0.4980195	0.510513	0.4552313	0.6616402	0.849287	0.8192866	0.1823497	0.1823497	turquoise
0.1898546	0.1386371	0.02342881	0.0807268	0.2939588	0.2474911	0.6970369	0.6970369	grey
0.811024	0.1972382	0.00133129	0.8035215	0.9201744	0.1004971	0.7057754	0.7057754	tan
0.3074558	0.07379841	0.756048	0.371757	0.8875023	0.3453359	0.0008925	0.0008925	turquoise
0.5666699	0.3397223	0.02320408	0.0119344	0.5980961	0.1550476	0.9642835	0.9642835	grey
0.4044018	0.6924972	0.4553138	0.4074175	0.7584198	0.3407317	6.00E-05	6.00E-05	blue
0.8827728	0.634975	0.7960773	0.2913819	0.9665292	0.2441727	5.98E-06	5.98E-06	turquoise
0.8974434	0.6338402	0.2160052	0.3304538	0.6718194	0.8054478	0.01524026	0.01524026	turquoise
0.9942981	0.3683719	0.2820166	0.4792514	0.9422704	0.07740961	0.2968331	0.2968331	grey
0.2049747	0.2032208	0.3496407	0.6160118	0.995913	0.1452189	0.3576865	0.3576865	grey
0.1142732	0.05298331	0.8597775	0.0166394	0.4532677	0.3852271	0.0042197	0.0042197	lightcyan
0.7067882	0.1207483	0.5673093	0.7311832	0.9275072	0.6389201	0.08956454	0.08956454	grey
0.02798328	0.2746063	0.8983385	0.1199181	0.3611969	0.2854564	0.00053035	0.00053035	turquoise
0.8305548	0.1146458	0.57252	0.03394	0.825497	0.9024075	0.8837037	0.8837037	grey
0.9560466	0.9669263	0.300295	0.6859968	0.4676459	0.4170364	0.07930721	0.07930721	black
0.2597001	0.4638285	0.1772982	0.3095036	0.5966966	0.9262465	0.4843107	0.4843107	midnightblue
0.03150115	0.3715162	0.251407	0.1273696	0.6538535	0.1335698	0.9879648	0.9879648	lightcyan
0.8015758	0.0150127	0.09778005	0.2010584	0.9484829	0.05743723	0.00063094	0.00063094	turquoise
0.3701318	0.04201058	0.315923	0.8264703	0.8699617	0.6806779	9.38E-05	9.38E-05	grey
0.1029759	0.4644228	0.6786701	0.8013658	0.8144412	0.7131353	0.0013047	0.0013047	purple
0.8143856	0.05960554	0.817074	0.9447052	0.4969943	0.9624139	0.6589827	0.6589827	blue
0.3873291	0.5831513	0.4454014	0.1564873	0.05847883	0.2664547	0.2710842	0.2710842	grey
0.2295929	0.5615668	0.00257358	0.2446359	0.7567117	0.1066899	0.9119676	0.9119676	green
0.1465323	0.03734781	0.09503241	0.1342835	0.4042737	0.882962	0.00202821	0.00202821	grey
0.4130181	0.00182205	0.05026332	0.0725858	0.4098402	0.07485711	0.00039348	0.00039348	grey60
0.2036557	0.7540192	0.1046873	0.6955564	0.7276932	0.169499	1.73E-07	1.73E-07	yellow
0.5913692	0.1636579	0.2500792	0.1753057	0.4930952	0.1829549	7.85E-06	7.85E-06	grey
0.8528114	0.2600791	0.06517957	0.6813762	0.5394145	0.5002717	0.0472123	0.0472123	turquoise
0.2114197	0.5824005	0.0108779	0.3475061	0.5353432	0.1000398	0.7514234	0.7514234	turquoise
0.4051208	0.4840716	0.00390601	0.0853999	0.3902386	0.3549307	0.00039817	0.00039817	brown
0.2125247	0.629373	0.1218154	0.6334494	0.6780399	0.5989082	0.9287092	0.9287092	grey
0.0753577	0.9301627	0.3785203	0.0904402	0.9069041	0.8452272	0.00458825	0.00458825	turquoise
0.9209141	0.01152075	0.4598097	0.9727374	0.8203521	0.6801915	0.03689739	0.03689739	brown
0.5453901	0.9236604	0.842123	0.9121524	0.4465841	0.8275507	0.5092596	0.5092596	turquoise
0.4589673	0.8528414	0.6753275	0.7935685	0.8129958	0.4085598	0.06813098	0.06813098	red
0.9335144	0.03417724	0.00047639	0.0370309	0.1334534	0.2771491	4.74E-18	4.74E-18	brown
0.6584328	0.9441002	0.5153945	0.7221618	0.935499	0.3445287	0.03891138	0.03891138	turquoise
0.1061215	0.8795907	0.8434727	0.9147341	0.7364642	0.3084069	0.5234368	0.5234368	turquoise
0.8134434	0.0098313	0.2457082	0.860898	0.9790361	0.987027	0.00011386	0.00011386	grey
0.3887365	0.6367056	0.9908136	0.9788309	0.9998015	0.6059353	0.3389059	0.3389059	cyan
0.2800703	0.6273045	0.8202306	0.6568726	0.8386839	0.2958642	0.07363855	0.07363855	blue
0.4437331	0.182182	0.01363589	0.1649387	0.9841637	0.644535	9.28E-09	9.28E-09	brown
0.08135271	0.7261209	0.7170961	0.6664741	0.5098941	0.1149232	0.4692891	0.4692891	grey
0.6734723	0.02611597	0.167512	0.6647151	0.6709313	0.9427816	2.84E-23	2.84E-23	yellow
0.5029558	0.5672879	0.08805352	0.3948202	0.1638772	0.8946448	2.70E-06	2.70E-06	grey
0.2556947	0.989799	0.6782628	0.6141856	0.8464473	0.9408034	0.1612509	0.1612509	grey
0.8735577	0.6851909	0.2069223	0.1094979	0.5187409	0.04173085	0.00751498	0.00751498	turquoise
0.0092611	0.9535518	0.9034605	0.3498936	0.8237679	0.3951099	0.6215404	0.6215404	turquoise
0.06815859	0.2446181	0.4588257	0.943153	0.3887107	0.4815675	0.23909	0.23909	darkgreen
0.2968246	0.374391	0.01897834	0.2420177	0.6140908	0.3597167	0.001009	0.001009	turquoise
0.1036965	0.4346169	0.9458995	0.7693267	0.6557391	0.708638	0.2234025	0.2234025	cyan

0.9736896	0.9823173	0.7509531	0.4784834	0.931983	0.9490805	0.1852101	0.1852101	black
0.357304	0.02031616	0.9107083	0.9225928	0.9890253	0.2428742	0.00164882	0.00164882	grey
0.1529272	0.696175	0.4574827	0.6082926	0.9520934	0.4786857	0.1258976	0.1258976	grey
0.4621535	0.08701658	0.5294492	0.4928911	0.7169436	0.852849	5.70E-15	5.70E-15	yellow
0.3709247	0.422401	0.1672711	0.4804888	0.6509834	0.2283649	0.00012809	0.00012809	turquoise
0.6760784	0.5662192	0.00988899	0.1209906	0.6606324	0.1621168	0.0015239	0.0015239	turquoise
0.9207419	0.1992081	0.01984596	0.6766275	0.09928249	0.8331011	0.06166991	0.06166991	grey
0.2133958	0.3692823	0.00983875	0.026582	0.4086284	0.5039511	6.29E-14	6.29E-14	yellow
0.9081502	0.642372	0.0361492	0.8292672	0.5737119	0.2809333	0.4177298	0.4177298	grey
0.6297333	0.6537661	0.3233431	0.6960778	0.8748984	0.7900881	0.2013665	0.2013665	grey
0.79632	0.02948336	0.2664447	0.696493	0.6072306	0.4025632	8.35E-29	8.35E-29	yellow
0.997556	0.9846512	0.2766944	0.8653263	0.5371711	0.5398461	0.1090596	0.1090596	darkgrey
0.6900727	0.7349178	0.1342758	0.0852445	0.6569309	0.185096	0.1941957	0.1941957	magenta
0.2683234	0.5035424	0.2271411	0.0982284	0.2898843	0.2572118	0.01609982	0.01609982	yellow
0.7556898	0.5877667	0.02399592	0.3057512	0.4085944	0.02460986	0.00335934	0.00335934	turquoise
0.2283165	0.3710379	0.5264994	0.7853258	0.4905543	0.4533526	2.46E-07	2.46E-07	brown
0.3038716	0.4392682	0.1016509	0.2732243	0.694972	0.9943997	2.06E-06	2.06E-06	grey
0.2516358	0.00244122	0.1828032	0.7488339	0.8362284	0.4236467	1.60E-09	1.60E-09	brown
0.2211608	0.5357019	0.181598	0.4986742	0.9400828	0.04637311	0.08187709	0.08187709	blue
0.648237	0.2253258	0.2688561	0.2485842	0.7795881	0.114924	0.08404048	0.08404048	darkgrey
0.7182212	0.6747847	0.3242906	0.4374371	0.3488954	0.6136145	4.59E-06	4.59E-06	brown
0.7384975	0.2937868	0.5771597	0.6088609	0.5220795	0.2192343	0.5456805	0.5456805	grey
0.3405845	0.00109351	0.03978673	0.692648	0.7106463	0.5654329	2.49E-23	2.49E-23	yellow
0.9130294	0.00437304	0.00018627	0.007227	0.4444041	0.0921521	5.27E-13	5.27E-13	yellow
0.7080799	0.6076817	0.0273959	0.9436966	0.8725433	0.1303046	2.95E-07	2.95E-07	grey
0.7023471	0.00668079	0.02672878	0.4114923	0.4731065	0.3639395	1.91E-10	1.91E-10	brown
0.1034746	0.5202772	0.00108564	0.2785814	0.9202733	0.1167594	0.364221	0.364221	turquoise
0.9617654	0.6474976	0.00711557	0.0551577	0.5583916	0.03873925	0.03444671	0.03444671	turquoise
0.08263412	0.2347709	0.8669239	0.4847108	0.2916708	0.8691535	0.2844458	0.2844458	blue
0.2027771	0.7109434	0.5990913	0.5281904	0.09275082	0.8885948	0.5760631	0.5760631	grey
0.00136464	0.2921705	0.04577981	0.6243805	0.3747301	0.6935489	0.0002762	0.0002762	blue
0.1459015	0.7400565	0.07912309	0.8341669	0.5112624	0.9447695	0.03521378	0.03521378	blue
0.6320355	0.9726341	0.8276101	0.6297465	0.9599823	0.2017625	0.7363257	0.7363257	grey
0.07865581	0.1184778	0.2549806	0.5870735	0.8326414	0.2762206	0.00052916	0.00052916	turquoise
0.1054364	0.14491	0.4805962	0.6407744	0.2739403	0.6949487	0.03522556	0.03522556	turquoise
0.1668946	0.8874296	0.04356026	0.9241962	0.7502459	0.09914643	0.03091205	0.03091205	turquoise
0.8894534	0.3755478	0.02153104	0.6022693	0.08536009	0.1736874	0.05643213	0.05643213	blue
0.08809858	0.4599911	0.3415141	0.3800864	0.5699697	0.7008741	0.0030595	0.0030595	grey
0.2843473	0.07940798	0.2851165	0.0686503	0.9141057	0.5920487	1.01E-05	1.01E-05	blue
0.4014294	0.4622301	0.00782534	0.3784161	0.882947	0.1952812	0.00676922	0.00676922	turquoise
0.9231163	0.3657649	0.4497187	0.3588664	0.9138263	0.4893732	0.250367	0.250367	blue
0.6272601	0.0143454	0.07798765	0.9260907	0.8920513	0.2644694	2.12E-06	2.12E-06	turquoise
0.4020558	0.00503172	0.3602973	0.8937119	0.6445699	0.7388351	0.00011915	0.00011915	grey
0.879854	0.4631843	0.06749088	0.6894618	0.9828132	0.1554629	0.00826023	0.00826023	black
0.7877451	0.2708014	3.01E-05	0.0616762	0.8003409	0.01671292	0.04751113	0.04751113	turquoise
0.3787164	0.8258935	0.6337277	0.6317486	0.3105166	0.6195717	0.00018261	0.00018261	grey
0.07359691	0.6554257	0.9433471	0.8670825	0.7085456	0.06831892	0.3013151	0.3013151	grey
0.3279396	0.05904337	0.7257826	0.8027277	0.8922144	0.3256135	5.78E-22	5.78E-22	brown
0.5383993	0.3641995	0.3601431	0.7865749	0.5701763	0.6841626	0.07224911	0.07224911	turquoise
0.04162976	0.7906062	0.890737	0.5480178	0.91912	0.6659831	0.09842097	0.09842097	turquoise
0.3250309	0.3571935	0.1182986	0.7135326	0.3964691	0.5720891	0.6000683	0.6000683	purple
0.5815239	0.1993978	0.6728745	0.3383262	0.2900884	0.5728884	0.06579317	0.06579317	grey
0.1660246	0.4517574	0.840186	0.3586969	0.5092321	0.7155741	0.699029	0.699029	midnightblue
0.2749148	0.00747191	0.8553763	0.1719272	0.9047091	0.5174704	0.00096397	0.00096397	grey
0.04522923	0.2784203	0.4098926	0.8033454	0.7897478	0.4104737	2.22E-07	2.22E-07	blue
0.5880217	0.6420636	0.00142587	0.3995813	0.9143844	0.112521	0.489822	0.489822	turquoise
0.4433473	0.1631903	0.00371879	0.7210418	0.4726228	0.03247074	0.00485426	0.00485426	turquoise
0.5324966	0.2550257	0.00103379	0.4590935	0.6501106	0.722779	0.2528671	0.2528671	turquoise
0.1333231	0.8304451	0.8580143	0.6188087	0.7898011	0.2275105	4.61E-07	4.61E-07	turquoise
0.2549193	0.1796852	0.614005	0.7943477	0.9374126	0.682526	5.13E-07	5.13E-07	blue
0.7554942	0.4535486	0.00025831	0.5270878	0.8688732	0.140375	0.7255462	0.7255462	turquoise

0.9776382	0.4817975	0.3226573	0.4139172	0.8850577	0.1371563	0.4084145	0.4084145	turquoise
0.9491167	0.01642506	0.4284706	0.7816935	0.6533256	0.5302427	1.60E-19	1.60E-19	yellow
0.3699763	0.5052961	0.00820937	0.3006158	0.6461722	0.1311899	1.21E-27	1.21E-27	yellow
0.6063482	0.4021634	0.00233449	0.3079845	0.5216743	0.1224739	0.0013235	0.0013235	green
0.1074289	0.7857935	0.08690803	0.0460964	0.2153342	0.01431679	0.6133716	0.6133716	turquoise
0.1845821	0.9974794	0.410513	0.3581426	0.5809095	0.2902742	0.3182091	0.3182091	turquoise
0.9440502	0.1599697	0.00210739	0.5114907	0.5236553	0.1109065	5.54E-07	5.54E-07	grey
0.7341402	0.3242172	0.3324809	0.4337447	0.7172246	0.5382748	0.00771366	0.00771366	salmon
0.3965533	0.4377021	0.00292134	0.0508285	0.8875524	0.1806352	0.5084417	0.5084417	grey
0.9106348	0.06474171	0.6243004	0.5816326	0.9905356	0.3255318	0.00035525	0.00035525	blue
0.9095181	0.00150286	0.4024477	0.3963282	0.8409762	0.3928529	2.94E-18	2.94E-18	yellow
0.1972166	0.5477036	0.4192737	0.7787771	0.3821803	0.4800568	0.00182332	0.00182332	blue
0.9010102	0.09880709	0.03823261	0.9607278	0.4125952	0.03287776	2.39E-05	2.39E-05	blue
0.9878648	0.06445692	0.3213751	0.7161532	0.2599398	0.1069977	1.19E-08	1.19E-08	turquoise
0.4487246	0.7006465	0.2493778	0.3440835	0.4641851	0.9937754	0.5509001	0.5509001	blue
0.5199688	0.3586037	0.3797279	0.8822249	0.7742108	0.3734132	0.00974299	0.00974299	red
0.1380799	0.1539673	0.8962314	0.5757887	0.7764358	0.6192417	0.353934	0.353934	blue
0.5362771	0.5692034	0.7004493	0.7778669	0.8350762	0.1987082	0.4237217	0.4237217	turquoise
0.3296836	0.5230549	0.9027253	0.765739	0.5004352	0.6074472	0.4256157	0.4256157	grey
0.5807649	0.8839816	0.2540789	0.5167893	0.9891337	0.3536082	0.4087672	0.4087672	turquoise
0.2564803	0.4358389	0.1693096	0.6736111	0.9857456	0.4908053	0.09401676	0.09401676	lightgreen
0.4497747	0.2074358	0.275229	0.7567735	0.515563	0.5075024	0.6909298	0.6909298	cyan
0.3725989	0.9253977	0.0206541	0.0432733	0.8457444	0.4824184	0.3061895	0.3061895	turquoise
0.5796648	0.2860945	0.2170631	0.6808058	0.7706398	0.560541	0.2739546	0.2739546	black
0.6834167	0.6838129	0.3612173	0.3101425	0.1976973	0.7937179	0.03189468	0.03189468	midnightblue
0.5584934	0.05649316	0.3717532	0.5580562	0.9984571	0.5683361	8.62E-06	8.62E-06	grey
0.7299433	0.2869901	0.1115942	0.541346	0.9944912	0.1416887	0.02208606	0.02208606	turquoise
0.1691787	0.5336047	0.2111277	0.3706932	0.7297063	0.6790402	0.8786147	0.8786147	tan
0.7618402	0.6961802	0.1465671	0.9079435	0.8069947	0.09576612	0.4150133	0.4150133	turquoise
0.8077004	0.3613827	0.4809717	0.5970225	0.2695197	0.8245849	0.0136327	0.0136327	grey
0.2290276	0.4172131	0.2314719	0.2183619	0.8154232	0.02250169	0.06098599	0.06098599	turquoise
0.2273717	0.9059703	0.3150435	0.2171729	0.7817028	0.05176407	0.08416805	0.08416805	orange
0.4742712	0.5065477	0.00343147	0.4510918	0.325925	0.08817215	0.05254926	0.05254926	turquoise
0.3862175	0.3137056	0.00139785	0.4260059	0.8447259	0.5816093	1.50E-07	1.50E-07	turquoise
0.6704141	0.197788	0.08882706	0.1978288	0.102293	0.1691285	1.28E-07	1.28E-07	brown
0.367506	0.9020448	0.3212561	0.5092876	0.04643379	0.02019057	1.28E-05	1.28E-05	grey
0.8129051	0.2692601	0.7915629	0.9403216	0.7520567	0.6659884	0.1128077	0.1128077	turquoise
0.1348068	0.1622275	0.00480741	0.1853085	0.2329604	0.298871	0.00016	0.00016	magenta
0.8574592	0.08527874	0.5891703	0.3554383	0.7023477	0.6093173	0.948206	0.948206	black
0.7751069	0.05466935	0.009406	0.0425305	0.5434798	0.3065985	0.1429303	0.1429303	turquoise
0.7263332	0.1188624	0.03021244	0.7387039	0.2382797	0.6002593	0.9614846	0.9614846	turquoise
0.3431047	0.1783379	0.01045249	0.1467771	0.6617854	0.03962622	0.00054208	0.00054208	blue
0.03501381	0.5599364	0.00187137	0.1320089	0.5617638	0.06245764	0.01182889	0.01182889	turquoise
0.5674574	0.4589193	0.00638648	0.0194045	0.6130089	0.09081014	0.204353	0.204353	turquoise
0.5278069	0.0163843	0.06806124	0.1896682	0.2067381	0.7540669	1.42E-14	1.42E-14	brown
0.6206677	0.698582	0.06793326	0.8242279	0.4823425	0.1109598	0.1968461	0.1968461	green
0.9846428	0.8280592	0.330422	0.9210152	0.1082845	0.4459422	0.00479767	0.00479767	turquoise
0.3871562	0.9155419	0.5716895	0.074047	0.0509446	0.3092667	4.23E-05	4.23E-05	grey
0.1800815	0.1626458	0.9196965	0.154942	0.9358915	0.8012034	0.4637003	0.4637003	blue
0.5980516	0.4025656	0.4613507	0.3380506	0.7462855	0.5462128	0.09145526	0.09145526	grey
0.4709127	0.3206659	0.4885463	0.4957817	0.5921795	0.3733817	0.04311963	0.04311963	green
0.1717495	0.7509296	0.1149841	0.4501582	0.6577961	0.01494214	7.69E-06	7.69E-06	yellow
0.9661424	0.4892139	0.00016667	0.0145544	0.7882307	0.1060097	1.47E-08	1.47E-08	yellow
0.2963543	0.3278516	0.4993847	0.9494079	0.5025892	0.93719	0.07677806	0.07677806	grey
0.3784254	0.3630348	0.07764686	0.9081977	0.5919613	0.4938437	0.943278	0.943278	turquoise
0.6742233	0.704495	0.019597	0.5353257	0.6984539	0.2182743	0.6993358	0.6993358	pink
0.701237	0.2172047	0.04653825	0.4588538	0.6138992	0.1791114	0.2415219	0.2415219	grey
0.5271824	0.8656804	0.09101669	0.7477315	0.3673121	0.6880587	3.54E-05	3.54E-05	grey
0.6109918	0.6276289	0.3562119	0.6183923	0.5307885	0.2894388	0.4663415	0.4663415	cyan
0.6321333	0.7239279	0.1512608	0.5247458	0.9021595	0.304747	0.2682407	0.2682407	red
0.04551379	0.281833	0.112194	0.0874953	0.1513155	0.02223668	0.00314082	0.00314082	grey

0.6596384	0.7755551	0.5890252	0.0828736	0.3503729	0.1772445	1.89E-06	1.89E-06	yellow
0.6305869	0.2742329	0.1056101	0.2006681	0.3716613	0.3403825	0.00324612	0.00324612	turquoise
0.9806156	0.1364163	0.9496331	0.5624112	0.5235303	0.8095217	0.1103868	0.1103868	blue
0.8807457	0.6747324	0.09691804	0.2230637	0.8938184	0.5613848	0.2146353	0.2146353	blue
0.1926739	0.995653	0.9568118	0.8374241	0.6989269	0.4672599	0.3978161	0.3978161	red
0.4839673	0.3863238	0.4609615	0.4151619	0.1965692	0.456559	4.90E-08	4.90E-08	turquoise
0.7086798	0.1316341	0.4709106	0.4359027	0.9316406	0.7293307	0.00343148	0.00343148	blue
0.4227331	0.05331156	0.0167604	0.2552788	0.8545975	0.7018879	5.88E-06	5.88E-06	turquoise
0.8275954	0.00526497	0.2467556	0.8772878	0.7642298	0.3301564	1.72E-09	1.72E-09	brown
0.4871212	0.8278396	0.5795188	0.1398912	0.4742569	0.3261054	0.00361943	0.00361943	grey
0.8401844	0.3249617	0.3144654	0.4704337	0.2204593	0.5514305	0.00165971	0.00165971	turquoise
0.2230346	0.07954652	0.9334082	0.4019194	0.8941645	0.7146356	0.00010539	0.00010539	grey
0.9088505	0.3587167	0.1696897	0.4283603	0.7798227	0.4004491	0.2063049	0.2063049	grey
0.2521171	0.1306412	0.1569314	0.072948	0.6335761	0.5597704	0.03019377	0.03019377	blue
0.03166625	0.9212721	0.07112401	0.0768499	0.9868674	0.5209407	0.859754	0.859754	pink
0.00052535	0.02731781	0.08424043	0.2729095	0.4894719	0.8177029	0.0629229	0.0629229	grey
0.02480813	0.3553795	0.3584491	0.0205006	0.2787582	0.2508261	0.9597792	0.9597792	grey
0.8440943	0.07313132	0.3001693	0.2319969	0.6557529	0.155656	0.1009988	0.1009988	grey
0.4398518	0.9840195	0.02874121	0.4671573	0.5457403	0.9915795	0.7889273	0.7889273	turquoise
0.8315613	0.3348931	0.00047896	0.0583033	0.9331928	0.5879426	0.00013449	0.00013449	magenta
0.7662665	0.2443669	0.7282644	0.9640277	0.9643186	0.4807527	0.02943529	0.02943529	blue
0.9764673	0.5249258	0.00373	0.0037362	0.105671	0.00652037	0.00458969	0.00458969	green
0.03300852	0.6444475	0.3909892	0.3664674	0.8939741	0.5781942	0.951634	0.951634	grey
0.83229	0.1779968	0.4907406	0.3217819	0.9579925	0.6862379	0.2750883	0.2750883	grey
0.6330113	0.09979083	0.9046368	0.476567	0.1597355	0.2898599	0.8180947	0.8180947	grey
0.4394297	0.5241594	0.9070093	0.2412457	0.1145933	0.7518996	0.00041329	0.00041329	blue
0.3251062	0.1579059	0.01262088	0.6534157	0.904794	0.02990923	0.2096144	0.2096144	green
0.2722016	0.05822909	0.373536	0.8086383	0.926084	0.7681105	5.23E-16	5.23E-16	yellow
0.6013227	0.01347725	0.00148543	0.1231194	0.1971011	0.6862143	8.26E-19	8.26E-19	brown
0.1253219	0.747325	0.1998697	0.7950473	0.1895979	0.4725093	6.79E-07	6.79E-07	yellow
0.4104785	0.2151385	0.6731198	0.2346556	0.09208148	0.3374421	0.270748	0.270748	grey
0.444576	0.1430274	0.9384805	0.4291649	0.3740582	0.8883563	0.2713774	0.2713774	turquoise
0.5216547	0.2157679	2.28E-05	0.242966	0.1032674	0.1800698	0.3611329	0.3611329	turquoise
0.516835	0.161941	0.02373782	0.3112002	0.9864319	0.3297072	0.00014843	0.00014843	turquoise
0.3350115	0.2111314	0.9879659	0.7820006	0.405753	0.7268915	7.21E-05	7.21E-05	yellow
0.2535834	0.6681862	0.4246877	0.5021301	0.7907568	0.1897685	0.00660543	0.00660543	grey
0.2181238	0.5579725	0.02666676	0.3028555	0.6727493	0.1696906	0.4771196	0.4771196	turquoise
0.7490449	0.2618152	0.08406472	0.9327291	0.517312	0.0405562	0.06570995	0.06570995	turquoise
0.2612968	0.6478904	0.3168532	0.4523339	0.6510791	0.6555751	0.00106647	0.00106647	turquoise
0.3540246	0.08846751	0.01448407	0.4114255	0.512409	0.3734038	5.23E-17	5.23E-17	magenta
0.6710365	0.2322081	0.2165861	0.6622619	0.6726747	0.1018591	0.00188833	0.00188833	blue
0.2935413	0.05114576	0.6155629	0.0880563	0.4282108	0.9483643	0.2329262	0.2329262	grey
0.8296506	0.02915337	0.01140867	0.2278794	0.19366	0.06006868	0.00228863	0.00228863	grey
0.07861494	0.6630843	0.2894531	0.1820327	0.5574691	0.9888265	0.5625661	0.5625661	black
0.7049897	0.2332972	0.2068423	0.3658787	0.804001	0.3575527	0.7848802	0.7848802	turquoise
0.9078663	0.2322003	0.2608345	0.6455969	0.5077777	0.5552212	0.9823315	0.9823315	grey
0.701507	0.9628762	0.6481509	0.5060154	0.2657306	0.2311073	0.00489965	0.00489965	turquoise
0.2125065	0.3363816	0.9218818	0.9542896	0.580912	0.54884	0.212061	0.212061	blue
0.5902255	0.169757	0.3165928	0.2516337	0.2580553	0.866831	0.3152626	0.3152626	grey
0.00433291	0.6962782	0.973386	0.7935654	0.4467057	0.7503681	0.7848871	0.7848871	grey
0.7402076	0.00319061	0.7559439	0.77654	0.3180868	0.3015441	0.0004479	0.0004479	turquoise
0.4470132	0.3293959	0.4244809	0.4258027	0.7435168	0.9491824	0.2442058	0.2442058	turquoise
0.09434136	0.1995092	0.08138373	0.2121405	0.1775915	0.8163903	7.61E-06	7.61E-06	brown
0.3025099	0.7302088	0.1358672	0.0644413	0.2494731	0.08811723	0.00010046	0.00010046	salmon
0.4116513	0.00356085	0.9177077	0.5780733	0.7386017	0.5553808	0.5836162	0.5836162	greenyellow
0.01489323	0.06480855	0.4306485	0.041369	0.2857299	0.7188954	0.00381835	0.00381835	grey
0.4168759	0.6950338	0.07429336	0.4633298	0.735743	0.6191385	0.2003988	0.2003988	grey
0.4192263	0.5790574	0.0240465	0.2257303	0.9516217	0.2860191	5.63E-05	5.63E-05	turquoise
0.7954297	0.4321274	0.2638741	0.7827772	0.4524272	0.4987964	0.7488801	0.7488801	turquoise
0.6664026	0.4725467	0.290893	0.817487	0.4054063	0.5842374	0.03051213	0.03051213	turquoise
0.9998513	0.7539796	0.3484887	0.7215341	0.7129693	0.7076522	0.1795121	0.1795121	turquoise

0.7792316	0.5130499	0.05454567	0.4331115	0.996089	0.2105104	0.00903392	0.00903392	turquoise
0.6271755	0.2064683	0.3796456	0.6761966	0.8783683	0.3693011	8.06E-05	8.06E-05	turquoise
0.7789413	0.8316281	0.0838858	0.2194139	0.3758375	0.04265144	0.1881274	0.1881274	green
0.427036	0.8013153	0.2037795	0.603866	0.8877442	0.9683917	0.00533104	0.00533104	turquoise
0.00263918	0.08257229	0.4878395	0.1518398	0.467034	0.2651262	0.00058749	0.00058749	grey
0.6742947	0.6102769	4.55E-06	0.0399462	0.4330121	0.1941283	0.00017468	0.00017468	green
0.5557879	0.7289539	0.9006322	0.3021556	0.6562669	0.1057154	0.00418589	0.00418589	turquoise
0.930288	0.6459737	0.0590947	0.6371586	0.2729947	0.5314126	0.0325493	0.0325493	turquoise
0.9902477	0.8765037	0.01631795	0.0375513	0.5028678	0.05370811	0.1981233	0.1981233	grey
0.3413743	0.1384172	5.63E-05	0.04458	0.5647534	0.1855553	4.92E-07	4.92E-07	turquoise
0.7382725	0.03091374	0.6457536	0.5789646	0.2149466	0.5290336	5.15E-07	5.15E-07	grey
0.9111771	0.5796019	0.2066212	0.05184	0.07633213	0.1655234	0.8062688	0.8062688	grey
0.8288824	0.4252795	0.1071607	0.1053528	0.7021056	0.2869224	0.00166568	0.00166568	turquoise
0.05186222	0.823106	0.7102121	0.5094642	0.8022789	0.735686	0.2316415	0.2316415	greenyellow
0.990933	0.2108838	0.02365558	0.1210359	0.7056513	0.02154383	6.57E-06	6.57E-06	blue
0.9326575	0.0198827	0.5725079	0.2345418	0.4938929	0.4996011	0.3490469	0.3490469	green
0.5976973	0.03329206	0.7293714	0.4506885	0.8517609	0.6732778	0.00121469	0.00121469	darkturquoise
0.7607898	0.02685994	0.8024038	0.6813212	0.9079916	0.9190846	0.2725482	0.2725482	greenyellow
0.2588321	0.6469587	0.1109308	0.6285397	0.7424124	0.1340063	0.00147578	0.00147578	blue
0.849636	0.04133318	0.4077317	0.0252695	0.7691766	0.1071122	4.34E-05	4.34E-05	green
0.4309209	0.05610831	0.4091364	0.455965	0.7932956	0.6043802	0.5022403	0.5022403	turquoise
0.444896	0.1170954	0.2059797	0.6524183	0.8743038	0.5105326	0.01162569	0.01162569	grey
0.64045	0.0103818	0.05942167	0.1914102	0.4728117	0.6291425	7.51E-12	7.51E-12	brown
0.6342251	0.5311526	0.1033667	0.3283842	0.8134521	0.00319792	0.3709278	0.3709278	turquoise
0.3469985	0.1738615	0.00493353	0.0120317	0.960114	0.00550751	0.1106563	0.1106563	turquoise
0.3128131	0.00277326	0.2388216	0.7569373	0.9909022	0.2694142	1.59E-09	1.59E-09	brown
0.2303897	0.9406238	0.2153758	0.3682418	0.796715	0.735513	0.2382798	0.2382798	blue
0.04907228	0.8973422	0.4377279	0.8798091	0.9474233	0.855997	2.14E-09	2.14E-09	grey
0.6384489	0.1679731	0.1668251	0.0969	0.1995845	0.01074387	0.2969482	0.2969482	grey
0.985064	0.0009055	0.00062552	0.0508956	0.7381925	0.416375	6.71E-20	6.71E-20	brown
0.2534266	0.08041043	0.5667259	0.3628425	0.6142038	0.660404	0.2918144	0.2918144	grey
0.1293499	0.02387409	0.9885099	0.5855797	0.8319391	0.2856747	2.24E-05	2.24E-05	green
0.566132	0.2717941	0.04258843	0.9245783	0.4169994	0.1017611	1.44E-07	1.44E-07	blue
0.2610089	0.01687334	0.8542249	0.1750299	0.3720322	0.3368043	0.00010358	0.00010358	blue
0.9101149	0.2152724	0.02378527	0.19697	0.07769883	0.03215786	0.6599006	0.6599006	turquoise
0.08357805	0.00677359	0.7446282	0.3051649	0.8415194	0.5475116	5.34E-10	5.34E-10	blue
0.6299275	0.8106011	0.3972208	0.3191165	0.9371775	0.467296	0.05810593	0.05810593	turquoise
0.3019038	0.2504604	0.5427663	0.5803137	0.7208677	0.6732062	3.31E-05	3.31E-05	turquoise
0.7425623	0.7320068	0.02145684	0.6238673	0.95293	0.07015998	0.8014811	0.8014811	turquoise
0.4095022	0.3927818	0.7631964	0.1247594	0.3568188	0.1712462	0.00012856	0.00012856	blue
0.7121687	0.5231014	0.2735157	0.464426	0.5973381	0.2800395	0.7200003	0.7200003	green
0.851246	0.05314043	0.2978263	0.2987759	0.2219243	0.976178	0.0001057	0.0001057	blue
0.1926128	0.6441089	0.1216806	0.6975532	0.3860603	0.7803125	6.85E-05	6.85E-05	grey
0.2339423	0.7458732	0.159026	0.8719798	0.8384191	0.4318951	0.00966438	0.00966438	grey
0.8689898	0.8807092	0.09226696	0.2881426	0.7342542	0.06403167	0.05134885	0.05134885	turquoise
0.3328241	0.9691527	0.9387474	0.3273413	0.295704	0.1777851	0.00878299	0.00878299	blue
0.2618669	0.00459169	0.2490542	0.7531501	0.4339655	0.8467603	2.43E-14	2.43E-14	brown
0.793836	0.00686212	0.00121135	0.0851443	0.3475715	0.7211776	1.90E-15	1.90E-15	brown
0.3002788	0.123239	0.9236884	0.2798435	0.7762958	0.2791606	2.06E-05	2.06E-05	brown
0.3017011	0.02073135	0.02469926	0.312806	0.9008508	0.07433216	0.04550021	0.04550021	red
0.3770905	0.6569866	0.0012373	0.0074825	0.00072101	0.00500622	0.04388962	0.04388962	turquoise
0.1153984	0.00307352	0.552916	0.8691874	0.8543807	0.5159814	0.06265705	0.06265705	turquoise
0.08405698	0.05586276	0.1386113	0.0523771	0.6867284	0.8571228	0.1380895	0.1380895	blue
0.03718177	0.02642085	0.09072417	0.6472009	0.6180314	0.1101845	0.8998106	0.8998106	tan
0.8410599	0.9074873	0.07558328	0.7360449	0.9612493	0.1204087	3.47E-06	3.47E-06	purple
0.1844183	0.9614704	0.3874914	0.2524327	0.9853753	0.9944006	0.5401013	0.5401013	blue
0.5929552	0.00234619	0.0869066	0.0033204	0.8675254	0.3118092	8.41E-06	8.41E-06	yellow
0.3698839	0.7269758	0.7767972	0.2233918	0.9267924	0.5356425	0.5800001	0.5800001	grey
0.8096305	0.232668	0.2548144	0.6632624	0.3523159	0.3195581	0.00543062	0.00543062	turquoise
0.4188021	0.1873394	0.05271223	0.4642336	0.5978855	0.1685883	0.1894683	0.1894683	turquoise
0.2536289	0.5906509	0.03780775	0.3770569	0.7147781	0.07404517	0.1092951	0.1092951	turquoise

0.01623946	0.8164253	0.03875786	0.5321032	0.9653107	0.7860882	0.00084881	0.00084881	brown
0.1698824	0.180527	0.4606862	0.1597217	0.8581491	0.1215604	9.51E-08	9.51E-08	yellow
0.2412369	0.2079744	0.2106174	0.825975	0.5775104	0.3490008	0.6414558	0.6414558	turquoise
0.6094427	0.4007169	0.4900806	0.9037961	0.5856825	0.6994252	0.7774409	0.7774409	turquoise
0.4221983	0.6856062	0.2299673	0.5054691	0.3756554	0.03621871	0.00760736	0.00760736	turquoise
0.4691797	0.1323585	0.05234948	0.031532	0.6261207	0.00203731	6.49E-05	6.49E-05	turquoise
0.2515603	0.8650723	0.07450826	0.7931387	0.8445753	0.7629759	0.8397474	0.8397474	grey
0.9561342	0.2163282	0.00079008	0.3392918	0.9191558	0.7596229	1.84E-08	1.84E-08	green
0.3571457	0.1350715	4.11E-05	0.14886	0.2969781	0.564091	0.00014399	0.00014399	brown
0.5567515	0.04672279	0.3843873	0.1575537	0.6008794	0.5980181	0.1915231	0.1915231	grey
0.4544681	0.05477473	0.00074312	0.0519463	0.8103925	0.9675615	8.29E-36	8.29E-36	yellow
0.1836032	0.5013885	0.2897677	0.4005767	0.787736	0.9882404	0.647304	0.647304	midnightblue
0.3425542	0.7894346	0.8245143	0.9618957	0.6357458	0.4712762	0.4911579	0.4911579	cyan
0.5932215	0.8452471	0.1491255	0.2770971	0.858681	0.06494281	0.01908369	0.01908369	blue
0.3038295	0.06965609	0.0058038	0.305563	0.6532925	0.02791768	0.00445741	0.00445741	turquoise
0.03276668	0.04740627	0.9997773	0.3103512	0.2672326	0.9257315	8.63E-06	8.63E-06	blue
0.7035168	0.122402	0.1350761	0.0640642	0.3160238	0.1098273	0.00853154	0.00853154	turquoise
0.3532284	0.6529085	0.02981366	0.2101624	0.3497625	0.8857908	0.00288733	0.00288733	pink
0.9548692	0.01173808	0.4160671	0.0922767	0.985213	0.5665178	3.19E-07	3.19E-07	turquoise
0.4758138	0.169665	0.8750711	0.0810203	0.9201165	0.2499284	0.7770554	0.7770554	grey
0.599989	0.4891533	0.00725902	0.5540516	0.2092773	0.06582204	0.00104343	0.00104343	turquoise
0.3809196	0.7537264	0.5961715	0.8130587	0.7276633	0.462192	0.03431063	0.03431063	orange
0.7269018	0.8006702	0.1716999	0.8047522	0.6204355	0.4445977	0.02982426	0.02982426	turquoise
0.5955709	0.3353858	0.1808014	0.9778709	0.9780638	0.5244497	6.44E-07	6.44E-07	red
0.00196527	0.1369067	0.8976586	0.5579988	0.508259	0.7821666	0.1160486	0.1160486	grey
0.6324774	0.4728013	0.2940852	0.4526837	0.7397284	0.5409297	0.02256146	0.02256146	black
0.2943896	0.3112503	0.4259118	0.8445957	0.8257774	0.8139695	0.1495026	0.1495026	grey
0.6268639	0.2556754	0.5130208	0.2359105	0.7792398	0.7221373	0.00077897	0.00077897	green
0.566238	0.4154822	0.2603648	0.437076	0.9794998	0.8676929	0.4206049	0.4206049	blue
0.5229579	0.2486704	0.3611835	0.7013941	0.8812266	0.6546331	0.02234138	0.02234138	turquoise
0.6650714	0.2532774	0.03461978	0.7897282	0.9406684	0.3196247	0.0104043	0.0104043	turquoise
0.7485207	0.2413879	0.9637077	0.8178621	0.4416296	0.6564266	0.6545729	0.6545729	grey
0.3422358	0.0057484	0.8773974	0.6089913	0.9387737	0.3956489	2.33E-07	2.33E-07	grey
0.5612149	0.7032017	0.6118659	0.9325374	0.85549	0.1991573	0.00939826	0.00939826	brown
0.4603404	0.09059294	0.03061302	0.9622919	0.6827251	0.6301609	0.01148445	0.01148445	grey
0.9700374	0.336737	0.00853518	0.3055311	0.219237	0.9066092	2.64E-14	2.64E-14	yellow
0.8454522	0.01994163	0.4096036	0.3395899	0.634229	0.381087	1.37E-05	1.37E-05	green
0.07304251	0.407796	0.233717	0.0185122	0.6728842	0.2256785	0.5578565	0.5578565	lightcyan
0.1158286	0.6251053	0.3539782	0.7879462	0.825291	0.4705974	0.9071803	0.9071803	grey
0.8975993	0.9580528	0.3635133	0.8275738	0.7091045	0.6268966	0.1750571	0.1750571	grey
0.3761039	0.0089718	0.3666744	0.8472623	0.5826356	0.9257106	3.31E-08	3.31E-08	yellow
0.5609642	0.3576514	0.471053	0.6208135	0.36837	0.2991098	1.10E-05	1.10E-05	grey
0.8796339	0.5385045	0.1484946	0.0556806	0.9891883	0.05694221	0.00011467	0.00011467	blue
0.7438685	0.8764118	0.01421354	0.4068996	0.223933	0.2718779	0.407011	0.407011	blue
0.1009622	0.5379422	0.8376472	0.1844156	0.6818526	0.04549395	0.00020281	0.00020281	grey
0.3571066	0.2619932	0.2682952	0.1002115	0.643544	0.03213973	0.9452376	0.9452376	turquoise
0.4408056	0.7466283	0.0011518	0.1321894	0.6672079	0.1185659	0.4998233	0.4998233	turquoise
0.633856	0.6865007	5.42E-05	0.0878414	0.8358106	0.3088322	4.11E-06	4.11E-06	yellow
0.8675046	0.00145644	0.129878	0.6016993	0.788601	0.5508509	5.78E-17	5.78E-17	brown
0.1776767	0.4561871	0.07830553	0.918528	0.7277605	0.2998306	0.0436202	0.0436202	turquoise
0.9792736	0.01148972	0.02574835	0.3526739	0.8256187	0.3130442	1.50E-19	1.50E-19	brown
0.02161221	0.8296608	0.1796009	0.3665965	0.3945856	0.7884965	0.2512369	0.2512369	grey
0.2665011	0.1327466	0.03164651	0.0819308	0.7771998	0.588952	0.02706607	0.02706607	blue
0.2236733	0.5669835	0.395088	0.4147351	0.1920526	0.1394123	0.3063097	0.3063097	turquoise
0.3185923	0.08453638	0.04134061	0.1360897	0.3309421	0.01433279	0.03530385	0.03530385	black
0.6015016	0.576271	0.05455748	0.3099442	0.144722	0.09054072	0.9546625	0.9546625	turquoise
0.9423434	0.5876463	0.9868397	0.7049397	0.4823387	0.4191519	0.2892762	0.2892762	blue
0.785179	0.09893971	0.2897582	0.7210575	0.6423398	0.6700861	0.00105504	0.00105504	grey
0.4326205	0.4944275	0.9434868	0.9501565	0.8430399	0.2006163	0.3681618	0.3681618	turquoise
0.3947118	0.8708753	0.4130908	0.3895251	0.3627432	0.4499149	0.04022368	0.04022368	turquoise
0.4538994	0.01192593	0.8103206	0.5450923	0.5702583	0.6296577	0.0026043	0.0026043	blue

0.2184073	0.1552639	0.6394295	0.1117078	0.2911992	0.1505522	0.01791628	0.01791628	grey
0.5601904	0.9838397	0.03558263	0.309882	0.9981312	0.3959743	0.3389841	0.3389841	turquoise
0.7312755	0.1645279	0.4049169	0.7568123	0.2860389	0.7837641	0.00311411	0.00311411	grey
0.5022863	0.347122	0.3828059	0.8763898	0.6285907	0.9194401	0.1388411	0.1388411	turquoise
0.5977667	0.4902863	0.00104001	0.1731345	0.9836333	0.09015818	0.4138472	0.4138472	turquoise
0.1573876	0.02706785	0.4656357	0.5472486	0.5848764	0.8860824	1.12E-09	1.12E-09	blue
0.1122748	0.2548364	0.9042941	0.3785181	0.3376121	0.1888285	0.01510177	0.01510177	lightyellow
0.5723193	0.1963139	0.1257628	0.4326768	0.8006411	0.3461069	0.00528128	0.00528128	blue
0.6013655	0.2988449	0.00037053	0.1023943	0.9037875	0.02085426	4.37E-12	4.37E-12	yellow
0.3893012	0.4866888	0.1963401	0.5038399	0.5412679	0.1500245	0.558744	0.558744	grey
0.1309201	0.9042106	0.09385064	0.8968422	0.9671306	0.239852	8.61E-06	8.61E-06	grey
0.1182821	0.01320291	0.9149056	0.4295753	0.7176776	0.6423464	0.0118337	0.0118337	blue
0.3308272	0.541158	0.00733482	0.2260143	0.5271882	0.01509797	0.00565337	0.00565337	turquoise
0.1335746	0.3031427	0.6741335	0.556595	0.6354613	0.7821488	0.552156	0.552156	grey
0.2631544	0.5399808	0.119065	0.0843619	0.3398164	0.04608782	0.263973	0.263973	grey
0.3359813	0.7394152	0.05046998	0.878848	0.5866727	0.5506274	0.9020181	0.9020181	purple
0.8759505	0.9428635	0.2559755	0.5239378	0.9608768	0.8511686	0.6736688	0.6736688	blue
0.6580624	0.02206338	0.4900829	0.8234176	0.9489708	0.8289547	0.0215966	0.0215966	turquoise
0.4795612	0.4436311	0.4384003	0.2489455	0.6363078	0.3222538	0.817149	0.817149	lightgreen
0.827651	0.5872954	0.00015182	0.4687689	0.5802502	0.03564892	0.6245681	0.6245681	green
0.2636389	0.7544209	0.3513853	0.5611225	0.9013003	0.6417521	0.08701472	0.08701472	turquoise
0.0232814	0.2080255	0.6750586	0.1203958	0.2033149	0.9434133	0.07030641	0.07030641	grey
0.8397224	0.08701607	0.1950319	0.570822	0.7525793	0.4207724	0.06168181	0.06168181	lightgreen
0.06820562	0.05738702	0.6631635	0.1478165	0.6640172	0.9148131	0.04653935	0.04653935	blue
0.1307859	0.09472397	0.5460994	0.7400074	0.2572066	0.3676176	7.06E-08	7.06E-08	blue
0.3941746	0.5202064	0.05899537	0.5445282	0.5574147	0.4076943	6.48E-14	6.48E-14	lightgreen
0.9107243	0.4843968	0.3747188	0.777734	0.7057853	0.1146361	1.79E-06	1.79E-06	blue
0.4600675	0.03037202	0.2957383	0.7751181	0.7231278	0.6048793	0.0631356	0.0631356	grey
0.3115905	0.1342981	0.00032661	0.4907485	0.257979	0.1450751	3.17E-14	3.17E-14	green
0.4299411	0.4491844	0.5810735	0.0742142	0.2397124	0.7857048	0.01856871	0.01856871	grey
0.2110366	0.4021952	0.002949	0.1232258	0.7925576	0.2277828	2.08E-09	2.08E-09	brown
0.309489	0.5204539	0.6846583	0.1221408	0.6218778	0.07300235	0.7243888	0.7243888	grey
0.8258565	0.1530723	0.7533764	0.4023878	0.2093644	0.9051975	0.05646257	0.05646257	grey
0.02163469	0.1163719	0.6913605	0.6279166	0.4404182	0.9931955	0.01174386	0.01174386	turquoise
0.4964257	0.2116686	0.06051758	0.3964517	0.9064405	0.503689	0.09515497	0.09515497	grey
0.867761	0.2329435	0.3050269	0.7829047	0.3490577	0.8741346	0.1709911	0.1709911	grey
0.1758884	0.20646	0.05476595	0.3811549	0.6799763	0.2512322	0.1200483	0.1200483	darkgreen
0.2479892	0.03513861	0.3772787	0.0667534	0.5414156	0.2467875	0.00012586	0.00012586	blue
0.5765707	0.04365478	0.9119513	0.8233633	0.3052807	0.3475096	0.00028491	0.00028491	turquoise
0.7969059	0.1060581	0.3400844	0.9813391	0.5497018	0.6432069	6.19E-09	6.19E-09	grey
0.02279778	0.5284587	0.00352154	0.8142992	0.8600878	0.2850061	0.5436485	0.5436485	blue
0.1682264	0.6478142	0.9528719	0.4457423	0.3712242	0.6179261	0.1744568	0.1744568	grey
0.1575503	0.3537357	0.4440683	0.554455	0.5178135	0.3577905	4.62E-06	4.62E-06	turquoise
0.6245776	0.05650639	9.70E-05	0.0546881	0.6840952	0.4513792	9.27E-13	9.27E-13	green
0.4547594	0.4167472	0.2174361	0.4379508	0.3876309	0.3283197	0.5892869	0.5892869	green
0.1452027	0.9883533	0.3939236	0.7008644	0.9978913	0.8212987	0.00100968	0.00100968	blue
0.4337819	0.2374834	0.3862909	0.0984899	0.8388354	0.895688	1.23E-05	1.23E-05	grey
0.1904917	0.00583475	0.6819651	0.3545006	0.4566286	0.4654047	0.0003851	0.0003851	brown
0.721082	0.2634783	0.4090236	0.593539	0.8172621	0.9538905	0.9859256	0.9859256	grey
0.7394831	0.06242469	0.4631879	0.5235712	0.4729866	0.09454618	0.00770112	0.00770112	blue
0.2183206	0.00268278	0.2516903	0.0080387	0.7252921	0.8121443	2.18E-06	2.18E-06	blue
0.6925148	0.01671844	0.08668377	0.9941039	0.2628153	0.7882362	3.90E-10	3.90E-10	brown
0.5058801	0.703083	0.4266464	0.5729558	0.8653019	0.2350698	0.0728666	0.0728666	turquoise
0.03833481	0.01201186	0.215404	0.96063	0.48639	0.9423694	1.77E-06	1.77E-06	blue
0.7059027	0.8606727	0.3391705	0.118739	0.3199366	0.255251	0.8580048	0.8580048	black
0.1155925	0.04052863	0.08853689	0.0182176	0.4371275	0.1465865	0.177711	0.177711	lightcyan
0.2510183	0.03077064	0.6522332	0.6092508	0.7029677	0.8722966	1.90E-07	1.90E-07	yellow
0.4203831	0.0799064	0.00339549	0.3325536	0.9521803	0.9809639	8.91E-05	8.91E-05	brown
0.271916	0.6407623	0.00115919	0.0529883	0.8530277	0.7018127	0.00338421	0.00338421	grey
0.991602	0.1571873	0.00371872	0.7618883	0.4827484	0.3032566	4.50E-18	4.50E-18	yellow
0.1612941	0.06939874	0.08033887	0.9298872	0.1314894	0.930404	0.00095724	0.00095724	blue

0.4904469	0.9281892	0.3446672	0.0558537	0.8049792	0.5759515	0.7135385	0.7135385	blue
0.5465449	0.6680863	0.05838915	0.2579624	0.8290462	0.2244223	0.0706842	0.0706842	grey
0.4582077	0.3660784	0.02065097	0.9060602	0.2446372	0.7189182	0.00096779	0.00096779	pink
0.1523768	0.1820488	0.7814792	0.2320217	0.4154492	0.4825679	0.7308559	0.7308559	lightcyan
0.6529919	0.06605089	0.4422156	0.2974419	0.8458205	0.8802985	0.8973753	0.8973753	grey
0.3105062	0.5866531	0.6256244	0.12828	0.4342808	0.681029	0.7752567	0.7752567	blue
0.9750768	0.1263908	0.00610193	0.4286604	0.9637091	0.1783717	7.69E-23	7.69E-23	yellow
0.9729053	0.1208841	0.09592009	0.7856878	0.8675306	0.5291351	0.1218378	0.1218378	purple
0.9020473	0.1748488	0.2691433	0.1260037	0.6278047	0.1175731	0.0130709	0.0130709	grey
0.9050276	0.00387669	0.0289515	0.1854277	0.1785672	0.2838131	1.54E-17	1.54E-17	brown
0.7605226	0.2457534	0.5300892	0.8970235	0.1026186	0.4752046	0.7162888	0.7162888	turquoise
0.7834389	0.4308784	0.3479119	0.4833636	0.5723575	0.6370135	6.16E-08	6.16E-08	yellow
0.8828254	0.01847181	0.2854244	0.3094714	0.4177604	0.8269107	0.07676991	0.07676991	grey
0.2900654	0.6456066	0.4441793	0.8175368	0.8742137	0.9512544	2.61E-06	2.61E-06	magenta
0.09317859	0.127023	0.5088093	0.5500935	0.06130335	0.3862025	0.08073918	0.08073918	grey
0.01199665	0.05465108	0.1758822	0.5121927	0.58716	0.02592719	0.0005837	0.0005837	blue
0.9532735	0.6005737	0.6222289	0.0625327	0.4046441	0.3015803	0.01169965	0.01169965	grey
0.8769633	0.6556679	0.7725954	0.2338205	0.8220517	0.09149771	0.2767587	0.2767587	turquoise
0.3421145	0.3109525	0.03772769	0.2191781	0.7709806	0.1930693	4.24E-05	4.24E-05	turquoise
0.4150374	0.9249574	0.3385544	0.343278	0.7297515	0.1931652	0.3393996	0.3393996	grey
0.2373534	0.2846511	0.3156925	0.8708104	0.0353078	0.2742159	0.02375022	0.02375022	turquoise
0.7392892	0.5665145	0.2409497	0.6723952	0.8263246	0.07077488	0.1021484	0.1021484	turquoise
0.8794463	0.3683234	0.04476307	0.8438907	0.8263192	0.1090768	0.00343722	0.00343722	blue
0.2645865	0.3678928	0.2584119	0.2781514	0.6967438	0.0527593	0.1693564	0.1693564	white
0.281431	0.8257623	0.4803807	0.8329367	0.4607881	0.5876125	0.8984878	0.8984878	purple
0.8521716	0.9558146	0.4057628	0.3939785	0.8984221	0.5983995	0.1865154	0.1865154	purple
0.2116665	0.01190539	0.05916332	0.4992352	0.8132488	0.1407778	4.82E-05	4.82E-05	turquoise
0.5242845	0.3599625	0.00543393	0.0347809	0.04586262	0.05379782	3.30E-05	3.30E-05	green
0.2089025	0.8232551	0.02013221	0.042047	0.09410173	0.09818826	0.00034502	0.00034502	grey
0.3821262	0.09847384	0.2170274	0.1047692	0.1030414	0.7128859	0.6247249	0.6247249	turquoise
0.175467	0.1218032	0.4563601	0.4252517	0.6026721	0.6979288	0.04868305	0.04868305	red
0.2486543	0.1088251	0.2286268	0.8843211	0.679108	0.3178717	6.64E-20	6.64E-20	yellow
0.1488639	0.04425512	0.412245	0.5901904	0.7517527	0.2917671	0.9209995	0.9209995	turquoise
0.3462683	0.1933491	0.1716784	0.4666787	0.3428524	0.2362991	0.9551177	0.9551177	red
0.2877882	3.77E-05	0.00167533	0.4472844	0.7596704	0.8859137	5.80E-20	5.80E-20	brown
0.5874312	0.225687	0.03441567	0.0307238	0.3161451	0.01105448	0.00361306	0.00361306	turquoise
0.1036663	0.8598128	0.8294558	0.3339223	0.5446687	0.3055136	0.3397861	0.3397861	lightyellow
0.9742375	0.4331539	0.03547994	0.0757715	0.4766958	0.1230609	0.00439157	0.00439157	pink
0.1694104	0.7488251	0.7839502	0.6046612	0.892015	0.1919954	0.9971294	0.9971294	red
0.1354977	0.2624081	0.1827287	0.9489149	0.2389123	0.5046257	0.01792769	0.01792769	grey
0.5484036	0.7195854	0.9786833	0.6143834	0.8234268	0.8452279	5.41E-06	5.41E-06	lightyellow
0.2613877	0.05003118	0.431566	0.7030226	0.8460968	0.403836	2.69E-06	2.69E-06	blue
0.6998487	0.4952241	0.9611619	0.3225993	0.8841918	0.8528056	0.4172101	0.4172101	grey
0.1460505	0.9096502	0.04990666	0.0161779	0.9625057	0.03744808	4.81E-05	4.81E-05	turquoise
0.6555452	0.05725747	0.4337044	0.6314487	0.3331947	0.3496302	0.438176	0.438176	grey
0.3645812	0.663663	0.1207188	0.0824968	0.8411208	0.118109	0.2330574	0.2330574	turquoise
0.5357506	0.02062327	0.01626203	0.4117531	0.97511	0.8538744	0.9409542	0.9409542	grey
0.889185	0.04619451	0.5741449	0.5373581	0.9322208	0.8853233	0.09949365	0.09949365	grey
0.2662337	0.4729296	0.01335405	0.3427454	0.09408921	0.2509642	0.7901197	0.7901197	grey
0.5747406	0.05376728	0.00127408	0.1106175	0.1848821	0.8961227	1.22E-14	1.22E-14	yellow
0.0225526	0.08615825	0.6733495	0.1838185	0.1661045	0.139381	0.03784875	0.03784875	skyblue
0.1814632	0.7305283	0.5891156	0.5332766	0.8935661	0.6386959	0.00879829	0.00879829	turquoise
0.946449	0.09092941	0.03184673	0.7788836	0.9644054	0.3815882	5.59E-52	5.59E-52	yellow
0.6321427	0.9149404	0.4468715	0.9468061	0.9473037	0.7574713	0.01443731	0.01443731	grey
0.2925326	0.08530667	0.3803029	0.8713463	0.6246952	0.7180402	0.01840679	0.01840679	grey
0.9568148	0.7290522	0.01393465	0.6539102	0.8130251	0.1227208	0.00891877	0.00891877	tan
0.7031383	0.138245	0.3851383	0.3059164	0.7855976	0.8134031	0.0774001	0.0774001	grey
0.9126621	0.1131337	0.5946375	0.5034758	0.9009425	0.4864659	0.7968085	0.7968085	darkturquoise
0.6292959	0.1228184	0.5351909	0.6776682	0.7747764	0.4996086	0.8987286	0.8987286	turquoise
0.3070514	9.83E-05	0.2132168	0.8563065	0.7946796	0.2311765	0.00079639	0.00079639	grey
0.7173788	0.5026801	0.4143044	0.103318	0.9178005	0.6263281	0.8000242	0.8000242	blue

0.3099069	0.08374102	0.00808682	0.1910727	0.749914	0.1008621	1.53E-17	1.53E-17	yellow
0.302437	0.05509692	0.09697874	0.1595845	0.9812778	0.08241094	7.81E-06	7.81E-06	turquoise
0.6369079	0.3278671	0.6565261	0.7230037	0.898112	0.9248326	0.8846695	0.8846695	midnightblue
0.7286727	0.5951057	0.2725076	0.906265	0.9314153	0.1692468	0.04020666	0.04020666	blue
0.2140034	0.388957	0.00179233	0.3055504	0.3437515	0.3765926	0.00297103	0.00297103	turquoise
0.05615557	0.6427435	0.1096715	0.0433305	0.965694	0.06049469	0.130124	0.130124	turquoise
0.8760042	0.2427593	0.02702252	0.8290211	0.8860986	0.874563	0.4474333	0.4474333	grey
0.3867471	0.00556624	0.05910907	0.2546972	0.5338826	0.4700211	1.10E-07	1.10E-07	grey
0.3956494	0.01572432	0.05036575	0.7072928	0.01465171	0.07961759	0.1200681	0.1200681	turquoise
0.1942751	0.2927786	0.1043193	0.1667617	0.2292789	0.03616106	0.6632054	0.6632054	grey
0.9668125	0.00485254	0.00524125	0.0361625	0.6391551	0.3796068	3.22E-13	3.22E-13	yellow
0.9360863	0.683513	0.3728821	0.0925829	0.656203	0.379874	0.01612915	0.01612915	turquoise
0.1208227	0.4293893	0.08176341	0.64783	0.4880622	0.4436834	0.00679411	0.00679411	cyan
0.3876108	0.01242348	0.1973856	0.1100552	0.7330764	0.3683585	6.39E-07	6.39E-07	brown
0.4092377	0.00012407	0.1278336	0.6990915	0.98533	0.6364937	2.24E-12	2.24E-12	yellow
0.4360839	0.8557017	0.7960339	0.6908928	0.6424336	0.2500612	0.5703625	0.5703625	turquoise
0.5838611	0.8069915	0.9928741	0.3244183	0.6814276	0.3087727	0.07720473	0.07720473	blue
0.7456318	0.6804578	0.3445599	0.8559878	0.495637	0.3428408	2.82E-05	2.82E-05	yellow
0.4204902	0.5250439	0.1937626	0.0888431	0.8852714	0.2392392	0.2390118	0.2390118	grey
0.2837767	0.01309309	0.03654521	0.3077384	0.7342788	0.8487797	3.18E-27	3.18E-27	yellow
0.8582206	0.4554569	0.08134401	0.0998211	0.7365148	0.4701758	0.2145016	0.2145016	turquoise
0.3534125	0.2781277	0.1017664	0.1103447	0.9544105	0.02274951	2.07E-10	2.07E-10	blue
0.00036441	0.2059923	0.01652931	0.2880884	0.7585633	0.02377056	0.01042617	0.01042617	turquoise
0.4305155	0.4536131	0.1881155	0.2590815	0.00072509	0.1219535	0.00193446	0.00193446	grey
0.1223634	0.6521285	0.2000872	0.1454936	0.6037922	0.8812963	0.00043876	0.00043876	red
0.7380074	0.4644991	0.1468671	0.0093224	0.6702652	0.1000554	0.00606291	0.00606291	darkgrey
0.01371913	0.510529	0.359247	0.9441107	0.6326826	0.2560955	0.9947023	0.9947023	grey
0.8484711	0.6383151	0.00824836	0.704708	0.9461261	0.960624	0.7383758	0.7383758	turquoise
0.4383181	0.03392525	0.04544594	0.9945024	0.3549649	0.9968208	2.40E-11	2.40E-11	brown
0.2241525	0.3279704	0.1225788	0.0080165	0.3775734	0.07168782	0.0165333	0.0165333	lightyellow
0.3217421	0.05675835	0.4849056	0.1430001	0.6989178	0.9596548	0.1736549	0.1736549	blue
0.4068731	0.6783224	0.00181438	0.2490869	0.7240819	0.2952524	0.05262094	0.05262094	pink
0.969854	0.3314295	0.06214041	0.3187813	0.4221496	0.6906663	0.00875185	0.00875185	magenta
0.0580078	0.05833414	0.961113	0.3656607	0.5935689	0.5264497	0.3472064	0.3472064	grey
0.5315305	0.5402515	0.2861061	0.178151	0.6402814	0.4511703	0.08213946	0.08213946	grey
0.4724671	0.9698015	0.00035764	0.1511975	0.8084186	0.226692	1.11E-06	1.11E-06	magenta
0.2577761	0.2607695	0.3737716	0.1303504	0.5508998	0.352587	0.6359759	0.6359759	turquoise
0.3011192	0.00905356	0.1155465	0.6643272	0.7982599	0.4478981	8.27E-10	8.27E-10	brown
0.1028046	0.09405169	0.7734794	0.0624919	0.3493996	0.4221238	0.00470726	0.00470726	blue
0.04960928	0.0148432	0.00942925	0.5556108	0.797235	0.06620977	0.0025585	0.0025585	blue
0.02923958	0.00420646	0.173368	0.6710932	0.4278028	0.9966567	1.71E-08	1.71E-08	brown
0.7460904	0.1957043	0.4285108	0.3512647	0.07854264	0.9152436	0.4103597	0.4103597	blue
0.4657376	0.08884925	0.9944212	0.9773633	0.06887702	0.2753505	0.514286	0.514286	turquoise
0.06695893	0.2845711	0.7650744	0.7279416	0.7116514	0.4126486	1.59E-06	1.59E-06	blue
0.9560604	0.1012798	0.02059956	0.5230869	0.8477518	0.08528908	0.01096547	0.01096547	turquoise
0.2479826	0.8129356	0.01202115	0.7778545	0.3393184	0.0222788	0.0771711	0.0771711	grey
0.05996384	0.1332642	0.2552122	0.8623697	0.7049805	0.7630295	0.4801857	0.4801857	lightgreen
0.4734353	0.1059399	0.06662498	0.315486	0.9100309	0.2044282	0.08479027	0.08479027	lightcyan
0.2906048	0.7229821	0.04669505	0.0075604	0.8407529	0.6548983	3.29E-09	3.29E-09	yellow
0.07811774	0.1498856	0.1434547	0.0312601	0.4169796	0.03639039	0.04734238	0.04734238	grey
0.8962315	0.00125275	0.8229585	0.4211685	0.913948	0.4480884	9.00E-05	9.00E-05	blue
0.2284625	0.7276073	0.2356533	0.5305813	0.7214113	0.08388229	0.06035242	0.06035242	blue
0.01843047	0.9944269	0.6633476	0.9058814	0.9706435	0.4097411	0.0058501	0.0058501	grey
0.6321279	0.7338907	0.00453997	0.1487654	0.06592015	0.05902443	0.44103	0.44103	turquoise
0.07934173	0.2331784	0.04489478	0.1229809	0.8890925	0.07924825	0.00701673	0.00701673	turquoise
0.5333107	0.01026419	0.2871216	0.8320816	0.4860359	0.8209782	2.29E-06	2.29E-06	blue
0.4745553	0.1174932	0.4609816	0.8695754	0.6290897	0.1016021	1.02E-05	1.02E-05	blue
0.2875306	0.07679039	0.677508	0.5754103	0.5667577	0.9406169	4.88E-06	4.88E-06	turquoise
0.8573526	0.2155402	0.00821861	0.2649672	0.2482808	0.01150961	0.0002719	0.0002719	blue
0.9812618	0.2705244	0.6810837	0.8334142	0.9402007	0.6296705	5.28E-08	5.28E-08	blue
0.5483711	0.2967145	0.8657904	0.7423514	0.9229387	0.3574194	0.00401636	0.00401636	turquoise

0.5452362	0.01594421	0.09252769	0.6358296	0.9393331	0.3579318	0.00773409	0.00773409	blue
0.0012921	0.01196965	0.8265011	0.1710351	0.2432238	0.8370162	0.02705466	0.02705466	blue
0.6116254	0.8135668	0.060502	0.1636707	0.4003107	0.02437975	0.1497995	0.1497995	turquoise
0.5018591	0.8748845	0.1243651	0.1157316	0.7985037	0.5389169	0.1909512	0.1909512	lightcyan
0.2054682	0.14214	0.5029787	0.643648	0.5716886	0.817021	0.02298005	0.02298005	black
0.5438746	0.8476068	0.01387901	0.94492	0.3034245	0.211432	0.2508762	0.2508762	grey
0.3533892	0.0229518	0.1549072	0.2962455	0.3494338	0.6568295	8.20E-10	8.20E-10	yellow
0.5842821	0.6287114	0.00481333	0.163221	0.7091305	0.1419494	0.07822964	0.07822964	turquoise
0.01856834	0.5346773	0.9149011	0.7545179	0.5031234	0.4515704	0.9466191	0.9466191	grey
0.04494939	0.01637857	0.2821776	0.257354	0.9105117	0.3500861	5.60E-08	5.60E-08	blue
0.1521161	0.3506914	0.1631089	0.3063062	0.2045934	0.1328039	2.76E-05	2.76E-05	turquoise
0.1856088	0.2548141	0.1051965	0.6540618	0.8165792	0.07368877	1.60E-07	1.60E-07	blue
0.3024222	0.3672107	0.2029218	0.9529396	0.3424424	0.8375108	0.00041938	0.00041938	brown
0.781925	0.03241021	0.233078	0.0303644	0.105885	0.6876163	0.00019553	0.00019553	turquoise
0.1249927	0.2478206	0.00356797	0.859964	0.4738964	0.6215034	1.01E-07	1.01E-07	grey
0.2922435	0.00674079	0.09624422	0.157761	0.1332429	0.2912136	2.03E-08	2.03E-08	brown
0.1800895	0.8850056	0.00866006	0.0976044	0.8250471	0.1320684	0.05863843	0.05863843	turquoise
0.8545442	0.1475601	0.5561956	0.7189971	0.8299099	0.3908072	0.07577535	0.07577535	green
0.7242702	2.46E-05	0.898545	0.5031748	0.9072688	0.6356861	1.73E-11	1.73E-11	grey
0.5457597	0.4003034	0.00022886	0.0123879	0.9591809	0.2397321	0.4452651	0.4452651	turquoise
0.06237	0.1679535	0.9842072	0.0919162	0.8610608	0.5729904	0.03027462	0.03027462	blue
0.9120344	0.5381629	0.9537779	0.0121252	0.5812102	0.5194138	0.3560764	0.3560764	turquoise
0.5876246	0.8179849	0.8242652	0.848864	0.7664742	0.268234	0.00318161	0.00318161	turquoise
0.5655788	0.02993879	0.3917812	0.7072946	0.806423	0.9726199	0.1012826	0.1012826	grey
0.6441243	0.6510625	0.9969888	0.9828142	0.8073697	0.2068441	0.102363	0.102363	grey
0.3871802	0.3674206	0.2772725	0.2657522	0.4852338	0.8973672	0.5865589	0.5865589	grey
0.8840546	0.3712623	0.4579904	0.5662714	0.1930081	0.3458553	0.5642682	0.5642682	lightcyan
0.5459518	0.4237476	0.08825832	0.3697049	0.5280389	0.1943839	0.00162552	0.00162552	blue
0.7201093	0.7451891	0.5595675	0.1378784	0.9392037	0.3520764	0.1997852	0.1997852	grey
0.9062322	0.2040372	0.823747	0.8847653	0.7430322	0.3849923	0.00023669	0.00023669	grey
0.00735241	0.5107077	0.5677171	0.6008701	0.3100812	0.7086598	0.1775082	0.1775082	turquoise
0.2752064	0.2751732	0.04724428	0.0945707	0.1794415	0.05388837	0.216802	0.216802	turquoise
0.6817729	0.2943999	0.2033872	0.850568	0.4148464	0.9600954	0.1315837	0.1315837	grey
0.1511735	0.4198132	0.3661356	0.2422411	0.542886	0.7519507	0.503375	0.503375	turquoise
0.8295377	0.9938175	0.1499259	0.2363916	0.3045776	0.9069293	0.2035974	0.2035974	blue
0.466774	0.05355589	0.04220627	0.5978901	0.9571746	0.01388948	3.59E-05	3.59E-05	blue
0.04346665	0.7907312	0.6549629	0.4521954	0.5166281	0.4067906	0.9545285	0.9545285	turquoise
0.1392604	0.03962592	0.00383409	0.1302394	0.9508278	0.00599324	0.6376637	0.6376637	grey
0.5901384	0.09053023	0.3617048	0.0541572	0.8355796	0.2912228	0.03969929	0.03969929	grey
0.6445045	0.1367903	0.2054177	0.3799701	0.264709	0.1552354	0.5972641	0.5972641	turquoise
0.2984068	0.1861281	0.6676143	0.1582763	0.4318168	0.9660579	0.00591173	0.00591173	black
0.8971165	0.9216198	0.06301915	0.3783398	0.2612133	0.1776323	0.06054768	0.06054768	turquoise
0.7897103	0.02377844	0.1733304	0.7821819	0.991555	0.1446776	0.00021836	0.00021836	brown
0.03974822	0.3948582	0.7229393	0.789654	0.3296292	0.9567836	0.00103911	0.00103911	darkorange
0.7350396	0.00038293	0.01835635	0.0947155	0.9016596	0.423598	0.00042911	0.00042911	yellow
0.2176307	0.04837676	0.4334971	0.6848926	0.6015933	0.2717989	0.1095355	0.1095355	grey
0.8863652	0.497606	0.4165123	0.958434	0.5719045	0.2771325	0.1930774	0.1930774	turquoise
0.4274058	0.9198084	0.3804953	0.1099337	0.5194736	0.04086402	0.8031114	0.8031114	purple
0.3804594	0.3217447	0.1685494	0.4969067	0.9864429	0.03627637	0.00067124	0.00067124	blue
0.8580256	0.6488908	0.4475414	0.9251224	0.9575574	0.2223365	0.4687261	0.4687261	blue
0.236527	0.5924559	0.3194954	0.3339317	0.8812805	0.9184834	0.01738904	0.01738904	green
0.416325	0.1230408	0.02546033	0.1341892	0.1279528	0.5936619	0.000297	0.000297	green
0.1990995	0.6434771	0.9865811	0.5664509	0.7444142	0.5918922	0.1426826	0.1426826	cyan
0.5828688	0.001836	0.07578233	0.520196	0.8185767	0.5678284	2.35E-13	2.35E-13	brown
0.5778059	0.4516775	0.01193733	0.1412593	0.6840172	0.04477208	0.03104007	0.03104007	turquoise
0.6722155	0.3445702	0.8297819	0.7312809	0.9785159	0.8191499	0.1929268	0.1929268	purple
0.7345776	0.0033769	0.7019469	0.8247856	0.6415738	0.9702037	0.00199077	0.00199077	green
0.299934	0.3769364	0.5624938	0.8835732	0.5301819	0.8621825	3.36E-05	3.36E-05	blue
0.3855817	0.0620436	0.9755088	0.5617756	0.7176814	0.7032392	4.77E-07	4.77E-07	turquoise
0.5797243	0.4505799	0.00456071	0.0203841	0.1969451	0.3582383	0.00024032	0.00024032	brown
0.3204463	0.01187113	0.7910906	0.7474652	0.2617499	0.2019722	0.1978148	0.1978148	blue

0.2554133	0.6515398	0.00376299	0.4731801	0.9100098	0.1352034	0.02011078	0.02011078	grey
0.3611061	0.3577546	0.04344443	0.8564113	0.9590656	0.5599672	0.8461083	0.8461083	turquoise
0.9783769	0.3503852	0.9947041	0.6765723	0.4678994	0.6126719	0.4622275	0.4622275	black
0.9852204	0.6623216	0.04098625	0.431192	0.6193133	0.7429086	4.44E-06	4.44E-06	green
0.9488077	0.2986481	0.813625	0.7357649	0.8373168	0.2061058	0.3238818	0.3238818	grey
0.7748038	0.1569784	0.730035	0.991546	0.50238	0.8210491	0.3018736	0.3018736	grey60
0.2099137	0.594489	0.8637774	0.5402386	0.8840393	0.4001898	0.755076	0.755076	black
0.430572	0.00819831	0.08571067	0.0779993	0.5995242	0.6891311	2.32E-06	2.32E-06	purple
0.5446422	0.9481933	0.0012407	0.0748543	0.3536742	0.3229178	0.6114767	0.6114767	turquoise
0.8865235	0.02119621	0.4783652	0.8428361	0.5664942	0.4262119	1.04E-10	1.04E-10	blue
0.2123921	0.4494841	0.4263434	0.6399626	0.3541878	0.6819076	0.2100454	0.2100454	turquoise
0.6618604	0.1798539	0.1212567	0.7058643	0.9550133	0.0619803	0.00010958	0.00010958	blue
0.2621723	0.276952	0.2165566	0.3268704	0.3292266	0.9765572	0.09151687	0.09151687	turquoise
0.160804	0.4197897	0.01988319	0.2390467	0.3483603	0.1184978	0.235111	0.235111	turquoise
0.267494	0.5086156	0.00174268	0.0645533	0.2403834	0.4259158	4.64E-15	4.64E-15	yellow
0.9868563	0.769696	0.01058414	0.2018844	0.9225946	0.2668526	0.5320301	0.5320301	turquoise
0.06984015	0.123116	0.4839359	0.8349274	0.746768	0.664462	0.9620552	0.9620552	grey
0.1379261	0.7306933	0.00028956	0.217823	0.5601802	0.0545095	0.7879853	0.7879853	turquoise
0.6222949	0.1627884	0.6960289	0.005176	0.7040493	0.4843347	0.1622385	0.1622385	grey
0.9561455	0.04823171	0.02418773	0.6804369	0.98867	0.8997067	4.29E-39	4.29E-39	yellow
0.808335	0.04927481	0.3422616	0.9344655	0.9724385	0.6969041	0.1031763	0.1031763	blue
0.4514225	0.00553666	0.06283192	0.4998535	0.585702	0.3524415	3.84E-11	3.84E-11	brown
0.8464373	0.4525908	0.106304	0.2384177	0.938193	0.1408189	0.02330144	0.02330144	darkgrey
0.1839845	0.9329006	0.4243265	0.3684701	0.5285195	0.4904211	0.5637304	0.5637304	grey
5.16E-08	0.6364972	0.2750622	0.352297	0.408311	0.9178769	0.1631069	0.1631069	grey
0.3269897	0.04038176	0.9993091	0.8314043	0.6387777	0.3684422	4.08E-05	4.08E-05	blue
0.8072126	0.6965703	0.00173897	0.1850267	0.8799873	0.07582053	0.477054	0.477054	turquoise
0.8358958	0.2602808	0.5346818	0.1229063	0.6538196	0.5013393	0.1250381	0.1250381	darkred
0.9066933	0.023997	0.7098587	0.6282945	0.5626124	0.3164758	0.0113231	0.0113231	blue
0.8229373	0.7222935	0.3682934	0.6385964	0.3799583	0.7241955	0.02811163	0.02811163	blue
0.6234795	0.3359254	0.0212376	0.1637469	0.6466822	0.3768563	0.9020547	0.9020547	grey
0.1737548	0.5472897	0.5000854	0.2890814	0.02535274	0.1199333	0.7941532	0.7941532	turquoise
0.07307654	0.7566862	0.5172938	0.3137493	0.02007633	0.2980392	0.1448564	0.1448564	turquoise
0.9091543	0.4573696	0.482856	0.9907149	0.5437998	0.5618757	0.3062448	0.3062448	grey
0.5767145	0.2182782	0.5479439	0.3549194	0.9284521	0.8399224	0.03801719	0.03801719	grey
0.0225529	0.3665464	0.4744578	0.3982283	0.00016725	0.4856302	1.43E-05	1.43E-05	grey
0.2169782	0.9955978	0.8849654	0.8121568	0.766349	0.6805738	0.4287293	0.4287293	red
0.5162159	0.7622793	0.08729774	0.4899402	0.01369329	0.4750021	0.04512734	0.04512734	green
0.7205951	0.04988508	0.6367182	0.8825717	0.3396173	0.4328765	0.03192363	0.03192363	turquoise
0.904023	0.7501217	0.2237258	0.9660592	0.5255494	0.2023219	0.00502827	0.00502827	grey
0.6708065	0.3707785	0.08269267	0.26976	0.9687161	0.7741805	0.5848764	0.5848764	darkred
0.1845259	0.318573	0.02261358	0.1297308	0.7695946	0.07722894	0.01119774	0.01119774	turquoise
0.09786852	0.07148902	0.3235638	0.2784815	0.6597223	0.3246465	0.04611559	0.04611559	grey
0.02782739	0.1002513	0.1494673	0.1839088	0.6654812	0.0751441	0.05089085	0.05089085	turquoise
0.9539965	0.5089743	0.7714907	0.273711	0.2892056	0.4638007	0.8803446	0.8803446	grey
0.4226852	0.9938758	0.6372657	0.4887923	0.9204526	0.6488135	0.8978714	0.8978714	darkgreen
0.6667493	0.2579052	0.01642756	0.2625967	0.1348978	0.2548771	6.05E-15	6.05E-15	yellow
0.1733298	0.07572006	0.4826729	0.8239185	0.2554729	0.6503909	0.07121209	0.07121209	blue
0.01992477	0.8972918	0.1505335	0.1991966	0.8322312	0.1153052	0.3256919	0.3256919	turquoise
0.5182007	0.5429056	0.06605971	0.4699564	0.9262111	0.02223614	0.6499622	0.6499622	grey
0.4526898	0.6485814	0.04012852	0.506991	0.31454	0.1045244	0.00414655	0.00414655	green
0.9646943	0.1810277	0.7141286	0.0165563	0.8695067	0.3769573	0.01257312	0.01257312	grey
0.2602231	0.8827587	0.05411354	0.0330209	0.6421851	0.07459612	1.89E-12	1.89E-12	lightgreen
0.3327155	0.7603049	0.1998136	0.2038641	0.1404387	0.6631136	0.174867	0.174867	turquoise
0.9255547	0.9979514	0.02367243	0.8073131	0.5683145	0.2196935	0.06091985	0.06091985	grey
0.9886548	0.2405059	0.1351348	0.7265457	0.8210558	0.2940426	0.00390549	0.00390549	blue
0.9604227	0.6081257	0.1848996	0.7803564	0.5016764	0.2792188	0.03368929	0.03368929	turquoise
0.1147683	0.1716397	0.1130699	0.5355795	0.5235203	0.07210972	0.03426926	0.03426926	turquoise
0.3768072	0.4895247	0.00054341	0.0223209	0.664466	0.0013363	0.00450465	0.00450465	turquoise
0.2676358	0.6155828	0.9034174	0.7145095	0.8211395	0.4841094	0.00014282	0.00014282	blue
0.813257	0.02844305	0.00025309	0.1481859	0.1715392	0.7436567	5.50E-14	5.50E-14	brown

0.3509767	0.1404162	0.4291257	0.4160335	0.503088	0.9487935	0.02140492	0.02140492	turquoise
0.08373111	0.00588873	0.5957139	0.0579778	0.6533595	0.7915785	0.00631541	0.00631541	blue
0.5759985	0.4193892	0.5877119	0.5010973	0.9330272	0.6794349	0.00705584	0.00705584	blue
0.9841921	0.1833481	0.1652913	0.8586091	0.560226	0.2634996	0.04702355	0.04702355	grey
0.5116806	0.2213559	0.6077771	0.4359868	0.0515876	0.1731251	0.00367054	0.00367054	blue
0.07038815	0.1844505	0.4343496	0.8999339	0.8673321	0.6690861	0.2149389	0.2149389	grey
0.3329031	0.5222834	0.3237808	0.5347411	0.3655854	0.3737414	0.00018988	0.00018988	brown
0.7147258	0.5963137	0.03142377	0.6850916	0.3998884	0.2685818	0.2915113	0.2915113	turquoise
0.9336131	0.7750131	0.8275775	0.5846644	0.4598573	0.4602523	0.2527418	0.2527418	blue
0.4278049	0.2821877	0.7852223	0.9594417	0.7229294	0.8496383	0.2468438	0.2468438	grey
0.3359488	0.6924157	0.7410092	0.4539265	0.1402213	0.9999873	0.1635312	0.1635312	turquoise
0.4839749	0.1829733	0.7106299	0.9918517	0.839479	0.4613272	0.5518862	0.5518862	turquoise
0.8140639	0.0114312	0.1580745	0.7572866	0.1613723	0.3997996	1.57E-19	1.57E-19	brown
0.7376605	0.6083959	0.3034645	0.2709021	0.8433975	0.4853761	1.19E-06	1.19E-06	blue
0.6480445	0.05200184	0.00216219	0.4554705	0.4933243	0.0056434	0.0760512	0.0760512	turquoise
0.6313803	0.5240015	0.4477098	0.0482235	0.3353004	0.2012623	0.3223987	0.3223987	grey
0.1160304	0.5416467	0.8255307	0.4469536	0.4700182	0.4421578	0.00219891	0.00219891	grey
0.529007	0.2767846	0.00218403	0.370829	0.6811159	0.05922443	0.01507799	0.01507799	tan
0.03809383	0.5274823	0.7833145	0.8753757	0.3961155	0.5871633	0.4650974	0.4650974	black
0.9492597	0.6831401	0.7798519	0.1794546	0.00466399	0.3299047	1.44E-05	1.44E-05	grey
0.1791703	0.8347215	0.04976111	0.7099381	0.3442118	0.2739045	0.06434135	0.06434135	blue
0.7571716	0.9715219	0.4059104	0.1998913	0.8579334	0.428112	0.848013	0.848013	grey
0.9029625	0.00426452	0.01014903	0.7216121	0.3851732	0.9354724	9.91E-27	9.91E-27	yellow
0.1141274	0.5056762	0.6929849	0.4181535	0.8830575	0.9652696	0.07142116	0.07142116	turquoise
0.3611786	0.2080749	0.1111383	0.4528614	0.04161957	0.03713874	0.00017161	0.00017161	grey
0.3919898	0.1454502	0.04267293	0.7351916	0.8843553	0.1323524	0.00315904	0.00315904	blue
0.02294165	0.5206359	0.8340778	0.3386054	0.7005773	0.2222268	0.0023371	0.0023371	turquoise
0.6156414	0.6612593	0.1583727	0.5709558	0.8763779	0.05920765	0.112712	0.112712	blue
0.3100442	0.8826437	0.279128	0.9391647	0.6013433	0.7948866	0.020301	0.020301	turquoise
0.7356238	0.4618773	0.5832308	0.0526375	0.2236377	0.3679576	0.4266502	0.4266502	lightyellow
0.8441292	0.00870601	0.01136888	0.2190412	0.7190043	0.7155848	2.84E-13	2.84E-13	brown
0.6659455	0.03953295	0.2106758	0.088822	0.2037032	0.9222394	1.21E-06	1.21E-06	green
0.1285055	0.00618313	0.6716268	0.8524954	0.2949372	0.8883529	0.2219235	0.2219235	grey
0.861388	0.05291651	0.5919037	0.2980341	0.6543201	0.1522183	0.1961488	0.1961488	grey
0.1935861	0.2789906	0.09217005	0.5196356	0.783519	0.07179414	0.00914732	0.00914732	turquoise
0.564612	0.4168593	0.3605419	0.274961	0.6253508	0.6195766	0.00086855	0.00086855	grey
0.6165881	0.01190129	0.7154161	0.460058	0.7871809	0.1105803	1.96E-06	1.96E-06	skyblue
0.1632369	0.38145	0.7435385	0.9927526	0.9784541	0.3730788	0.01277649	0.01277649	black
0.5667555	0.08448118	0.2109702	0.600958	0.7533039	0.4873645	0.04474767	0.04474767	grey
0.8524155	0.1464381	0.5856047	0.918108	0.9716757	0.826735	0.7212171	0.7212171	red
0.5676195	0.05859486	0.01719528	0.2014762	0.8917526	0.752717	3.75E-09	3.75E-09	yellow
0.8496021	0.9582442	0.03459645	0.5270324	0.7086856	0.05411523	0.0059927	0.0059927	turquoise
0.4822463	0.1686371	0.02751069	0.5550828	0.830229	0.4619672	0.03223869	0.03223869	green
0.5853153	0.5760539	0.4109328	0.8351099	0.9975805	0.4974712	0.1115582	0.1115582	blue
0.5754482	0.9472469	0.02499591	0.4790225	0.6827521	0.9419719	6.73E-25	6.73E-25	yellow
0.8050445	0.5934969	0.1557125	0.4421826	0.897171	0.1616556	0.1510758	0.1510758	blue
0.1731821	0.6853563	0.7715173	0.695633	0.7078036	0.280757	0.05344446	0.05344446	grey
0.9264487	0.5060514	0.3739298	0.5018532	0.8986953	0.2989091	0.7613762	0.7613762	blue
0.3057902	0.00012308	0.7980923	0.9631239	0.5204125	0.3210535	0.00055371	0.00055371	grey
0.1512026	0.01872929	0.1302133	0.5390482	0.6024143	0.2924186	0.3954011	0.3954011	darkgrey
0.8734731	0.2457526	0.00321818	0.0245939	0.588097	0.3749807	0.7111728	0.7111728	turquoise
0.6485691	0.5206766	0.4708661	0.6402858	0.6409759	0.5032182	0.00041129	0.00041129	blue
0.590525	0.4545503	0.7239072	0.8377553	0.6045736	0.2722696	0.1809068	0.1809068	turquoise
0.1896087	0.8561092	0.303571	0.382049	0.6378426	0.536898	0.5645746	0.5645746	blue
0.4566963	0.2858889	0.05481353	0.5440258	0.6839698	0.8239972	0.5082946	0.5082946	turquoise
0.1889568	0.4595535	0.4520849	0.7661425	0.7025914	0.4782259	0.03388626	0.03388626	turquoise
0.02986454	0.5150776	0.6792426	0.9924617	0.65935	0.6084612	0.00566562	0.00566562	turquoise
0.3365511	0.180134	0.3702056	0.4901986	0.1342603	0.9326451	0.00961478	0.00961478	grey
0.5585612	0.07229094	0.8979451	0.7270611	0.6674668	0.5951336	1.09E-05	1.09E-05	grey
0.5924208	0.9751519	0.08921835	0.0497018	0.7599025	0.03276055	0.04518818	0.04518818	turquoise
0.2480263	0.09511347	0.2118789	0.4309793	0.4273115	0.08034585	0.00106193	0.00106193	turquoise

0.8711358	0.5057373	0.02704616	0.546037	0.1855346	0.134993	0.970373	0.970373	turquoise
0.663029	0.5304643	0.04621988	0.0369202	0.9024062	0.00423834	0.501988	0.501988	turquoise
0.6365774	0.05784711	0.388437	0.0651334	0.6971529	0.5940794	0.1426883	0.1426883	grey
0.6886765	0.01299034	0.00038395	0.004947	0.08050203	0.1676769	3.23E-15	3.23E-15	brown
0.7757189	0.3263682	0.02991502	0.8326225	0.512485	0.3072921	4.60E-07	4.60E-07	green
0.4713069	0.874631	0.6613819	0.2991078	0.3859973	0.6876039	0.1734021	0.1734021	grey
0.9839061	0.1487658	0.5067178	0.5875252	0.06451167	0.05610264	0.0114016	0.0114016	blue
0.9322831	0.8280286	0.01021152	0.3515157	0.5724636	0.04721416	0.6599907	0.6599907	turquoise
0.706017	0.2156484	0.5573053	0.1483664	0.1524357	0.234576	0.3140772	0.3140772	grey
0.4317884	0.00068451	0.1497436	0.5304784	0.4626008	0.4777118	7.61E-15	7.61E-15	yellow
0.07918489	0.6858318	0.357591	0.8048107	0.5039662	0.8864853	0.00030824	0.00030824	grey
0.3332456	0.6606712	0.388489	0.977426	0.8351663	0.5653569	0.2674922	0.2674922	grey
0.00321253	0.1024722	0.3512583	0.9448611	0.2428011	0.3439287	5.35E-06	5.35E-06	grey
0.7783411	0.7771386	0.8672863	0.1748089	0.2187651	0.08157091	0.00016093	0.00016093	midnightblue
0.4129345	0.04043176	0.5873251	0.1815305	0.4554717	0.382098	1.20E-06	1.20E-06	blue
0.8059549	0.1060884	0.00979361	0.0305969	0.2118691	0.09020151	0.00069497	0.00069497	grey
0.3954397	0.3505079	0.03842962	0.3954383	0.7147364	0.1729645	0.00519304	0.00519304	blue
0.8135713	0.3666572	0.04114201	0.463885	0.9288294	0.7498045	1.36E-08	1.36E-08	yellow
0.7081521	0.9040394	0.01774145	0.0778125	0.5824041	0.360102	0.8225599	0.8225599	turquoise
0.2625419	0.05726255	0.1096116	0.9084459	0.1740807	0.6478391	0.2829168	0.2829168	grey
0.9816723	0.00249955	0.09282524	0.4896843	0.6943466	0.8530315	1.04E-11	1.04E-11	brown
0.1938024	0.4319854	0.00087858	0.1763929	0.718331	0.03123727	7.77E-05	7.77E-05	grey
0.5174064	0.5658673	0.01678624	0.8016563	0.6327772	0.6767759	1.68E-05	1.68E-05	magenta
0.2888327	0.4755927	0.05322658	0.1294551	0.01151294	0.6576866	0.6740471	0.6740471	grey
0.7710517	0.6474491	0.3077291	0.8873768	0.9171755	0.8440931	2.26E-05	2.26E-05	brown
0.4296508	0.3162391	0.00064977	0.1655901	0.4700847	0.7579131	9.30E-06	9.30E-06	magenta
0.913522	0.8073833	0.3728877	0.4701684	0.871113	0.7551541	0.00148538	0.00148538	grey
0.2100402	0.2048917	0.07483988	0.2182344	0.6930907	0.1815285	8.80E-11	8.80E-11	cyan
0.101745	0.5885996	0.03663741	0.2245928	0.08742715	0.0378916	0.00594974	0.00594974	turquoise
0.3073134	0.2062939	0.08893071	0.3367722	0.2123026	0.06112412	0.9220188	0.9220188	turquoise
0.5376992	0.05483207	0.1899865	0.7942639	0.8492254	0.3844984	0.0226508	0.0226508	blue
0.5059294	0.249687	0.1816437	0.3575002	0.2381431	0.6121774	0.5513649	0.5513649	black
0.545217	0.01174202	0.01126815	0.0888656	0.8488379	0.09411408	1.24E-05	1.24E-05	grey
0.6873004	0.9869993	0.1521163	0.5582384	0.03368333	0.6274756	0.01947853	0.01947853	turquoise
0.04194121	0.9133032	0.00537155	0.3158292	0.7862417	0.5011405	0.06643281	0.06643281	turquoise
0.5438345	0.5790085	0.6381931	0.1329249	0.9343225	0.6224814	0.1240403	0.1240403	grey
0.2433711	0.2409259	0.1952574	0.3514421	0.2938317	0.7963607	0.4331927	0.4331927	turquoise
0.8054497	0.05633152	0.00023468	0.0023842	0.6464023	0.00245927	0.1586023	0.1586023	red
0.9953779	0.1153615	0.04807238	0.2266291	0.2582556	0.2057365	0.0107726	0.0107726	turquoise
0.6764086	0.00378087	0.03082328	0.0775046	0.7853095	0.02518017	0.4835989	0.4835989	grey60
0.7330442	0.03649745	0.186458	0.6686931	0.676787	0.3644099	4.61E-06	4.61E-06	blue
0.491525	0.03381338	0.3854261	0.0971785	0.3314514	0.04903408	1.22E-08	1.22E-08	blue
0.4056092	0.1645483	0.5190049	0.6477346	0.2638156	0.6885608	4.59E-08	4.59E-08	turquoise
0.808528	0.2286832	0.02831965	0.4725743	0.8036355	0.3962899	2.77E-13	2.77E-13	yellow
0.02588762	0.7429571	0.1419047	0.6423422	0.3678062	0.187093	2.34E-05	2.34E-05	yellow
0.8045802	0.00043781	0.00938953	0.0897133	0.7037661	0.9582177	7.89E-10	7.89E-10	yellow
0.325154	0.3029444	0.03504399	0.4344285	0.252816	0.8318991	0.00076399	0.00076399	grey
0.2611477	0.1815242	0.02670312	0.5174308	0.9888794	0.05885895	4.52E-05	4.52E-05	blue
0.7545976	0.8197625	0.0002107	0.1138737	0.6177811	0.7792903	9.79E-07	9.79E-07	magenta
0.568916	0.4606104	0.07740717	0.3304474	0.3350651	0.3849708	0.04642454	0.04642454	turquoise
0.8289173	0.2401391	0.0769951	0.804943	0.4892963	0.3332024	0.5484376	0.5484376	grey
0.1385737	0.1936602	0.303126	0.3677327	0.1031614	0.1513606	0.08192505	0.08192505	turquoise
0.5504834	0.1847907	0.03084716	0.0924866	0.3318732	0.2563415	0.0053233	0.0053233	blue
0.1929404	0.07653692	0.05500901	0.1467568	0.7655819	0.04176852	0.00013539	0.00013539	turquoise
0.3255685	0.06214239	0.00617691	0.0096996	0.7596549	0.8091159	9.60E-10	9.60E-10	yellow
0.9409923	0.1398538	0.1078202	0.3245665	0.4059	0.3508515	0.08982864	0.08982864	turquoise
0.2972148	0.09307794	0.3797992	0.950903	0.6014089	0.4044763	5.65E-06	5.65E-06	blue
0.7211661	0.2355903	0.7658289	0.4598505	0.6478416	0.8119266	0.7926645	0.7926645	turquoise
0.9492329	0.2782676	0.7852105	0.6575117	0.4653724	0.7056486	0.01495932	0.01495932	grey
0.1699689	0.04647592	0.1219452	0.727139	0.3313511	0.08389703	5.96E-05	5.96E-05	blue
0.1835499	0.3222285	0.455051	0.4994825	0.9941456	0.5704116	0.05849298	0.05849298	grey

0.1997093	0.3946689	0.3772376	0.7322257	0.6291902	0.02219439	0.00280793	0.00280793	turquoise
0.6651461	0.7678107	0.1528899	0.8112015	0.9851893	0.4658691	0.831393	0.831393	turquoise
0.2399032	0.9062697	0.276448	0.6183046	0.9481861	0.2164697	0.9062244	0.9062244	turquoise
0.4974895	0.0024559	0.1163255	0.6664997	0.5947202	0.3592548	2.40E-10	2.40E-10	brown
0.2680947	0.3813011	2.84E-07	0.0151596	0.5194187	0.4980645	8.55E-08	8.55E-08	magenta
0.9621894	0.7898149	0.8638506	0.1800375	0.6556929	0.4055625	0.2538779	0.2538779	turquoise
0.1880133	0.00885785	0.2887865	0.4606484	0.1802162	0.8810375	2.83E-05	2.83E-05	turquoise
0.8662563	0.383858	0.6118007	0.3677814	0.7110749	0.7614922	0.00504396	0.00504396	grey
0.4652207	0.09745465	0.1745288	0.8808821	0.2546209	0.8883759	0.2218609	0.2218609	salmon
0.6438821	0.7785754	0.3523582	0.4495367	0.8875237	0.1455515	0.00884435	0.00884435	grey
0.3871369	0.2112598	0.07352847	0.1540138	0.9162724	0.4682599	0.2513239	0.2513239	turquoise
0.30613	0.7825848	0.09450211	0.2297662	0.3836507	0.5322565	0.3310528	0.3310528	turquoise
0.0555588	0.5426976	0.3764639	0.160245	0.4369749	0.6102142	0.4769048	0.4769048	grey
0.3546954	0.00917067	0.4983219	0.3788946	0.5016619	0.4777051	0.00401225	0.00401225	turquoise
0.5181237	0.5636872	0.3531486	0.2531312	0.7737338	0.2250845	0.1774754	0.1774754	grey60
0.03786884	0.8183365	0.510624	0.7993196	0.00588432	0.8425064	0.1182781	0.1182781	grey
0.6888733	0.1513892	0.4857363	0.3434008	0.7730512	0.4867681	0.1795272	0.1795272	turquoise
0.7096558	0.564027	0.2778481	0.3802866	0.7002493	0.2728601	0.1582197	0.1582197	turquoise
0.5298622	0.644294	0.643877	0.4251266	0.7610474	0.2683424	0.834569	0.834569	grey
0.1392352	0.1403046	0.0172899	0.4125108	0.5125727	0.5422779	0.1880367	0.1880367	turquoise
0.9133684	0.919484	0.7480383	0.7138925	0.7209064	0.689318	0.5469301	0.5469301	grey
0.51006	0.02403917	0.00158898	0.1951568	0.02385227	0.8497497	1.01E-17	1.01E-17	brown
0.9938964	0.111589	0.6705356	0.4692303	0.6464142	0.2199459	0.1216583	0.1216583	darkgreen
0.03337225	0.3931432	0.2190517	0.5488639	0.3464633	0.609553	2.94E-05	2.94E-05	yellow
0.1795777	0.178182	0.1949047	0.9963325	0.7112897	0.3131076	1.23E-05	1.23E-05	turquoise
0.7775548	0.1075009	5.25E-05	0.6436532	0.3319809	0.1837524	0.09794151	0.09794151	turquoise
0.4301156	0.7547553	0.2297307	0.3138447	0.2902403	0.2493055	0.2706462	0.2706462	purple
0.0286789	0.2296354	0.9228682	0.7459686	0.3909114	0.5095822	0.00548225	0.00548225	grey
0.2528164	0.9839357	0.02294612	0.1772381	0.5784203	0.1418541	0.04540897	0.04540897	turquoise
0.4338394	0.02005024	0.1018863	0.4191954	0.1944549	0.2984501	0.4570797	0.4570797	blue
0.7350834	0.03140622	0.0009118	0.0206393	0.3681946	0.09206562	0.00267765	0.00267765	turquoise
0.3808144	0.1743959	0.5210453	0.8963032	0.6524658	0.476457	0.3030648	0.3030648	greenyellow
0.8084626	0.04533225	0.8224658	0.8103437	0.9924326	0.8593702	4.39E-05	4.39E-05	blue
0.1236715	0.5622164	0.6962585	0.2951112	0.4862208	0.01451153	0.05608004	0.05608004	purple
0.1995657	0.9829728	0.110667	0.3774121	0.7949232	0.357529	0.03490656	0.03490656	turquoise
0.09641074	0.5701123	0.4069547	0.9662237	0.7645026	0.7667946	6.43E-07	6.43E-07	cyan
0.7619909	0.8521392	0.04437851	0.3024458	0.6385926	0.01837371	0.8329297	0.8329297	turquoise
0.2129781	0.4427775	0.8618108	0.9326201	0.5321222	0.548162	0.9376654	0.9376654	grey
0.3538518	0.1113281	0.6386708	0.7206643	0.8923311	0.8359225	0.00043027	0.00043027	grey
0.2438833	0.3444093	0.1528178	0.34013	0.7639043	0.4377383	0.1195677	0.1195677	blue
0.263683	0.4033262	0.1981622	0.334527	0.8159198	0.8588067	0.07502407	0.07502407	turquoise
0.2956756	0.08420826	0.00612158	0.5196294	0.5324308	0.214485	0.8789715	0.8789715	turquoise
0.1711775	0.09727386	0.7833693	0.7435555	0.03083267	0.8299374	0.8382555	0.8382555	grey
0.507562	0.7328323	0.08925568	0.8960849	0.2390894	0.2228739	0.00214179	0.00214179	pink
0.5266612	0.5386597	0.09347498	0.8967721	0.8360908	0.1383359	0.9361881	0.9361881	blue
0.8650069	0.09491161	0.03816726	0.0712026	0.5695265	0.02667761	0.07634027	0.07634027	turquoise
0.4555827	0.2085775	0.926432	0.4019318	0.891054	0.3395222	0.00528918	0.00528918	purple
0.2281683	0.07682759	0.1302632	0.1399394	0.8973165	0.7441486	0.00589333	0.00589333	blue
0.1562011	0.3132102	0.1867099	0.2991493	0.8940467	0.2543547	0.01338106	0.01338106	turquoise
0.355051	0.6931551	0.3217778	0.706448	0.2585251	0.2807724	0.06732428	0.06732428	grey
0.8148058	0.7540822	0.01506883	0.6820168	0.1458761	0.3159314	0.1726981	0.1726981	blue
0.8692914	0.8806971	0.07402152	0.9593124	0.8782374	0.514135	0.02515569	0.02515569	turquoise
0.5862052	0.02412644	0.00011727	0.0204978	0.835522	0.143437	3.07E-14	3.07E-14	yellow
0.3473346	0.2217259	0.687709	0.123018	0.3177653	0.8530478	0.7915959	0.7915959	grey
0.6469931	0.07812169	0.5045374	0.405435	0.4579257	0.4529777	0.00015661	0.00015661	turquoise
0.05874419	0.9846325	0.04095432	0.4974354	0.4709808	0.7718858	0.1379823	0.1379823	darkgreen
0.2301168	0.3255556	0.1827014	0.1367547	0.6546412	0.3817591	0.0009073	0.0009073	lightyellow
0.196215	0.1388977	0.8612227	0.2340843	0.6947793	0.3390536	0.4009192	0.4009192	lightcyan
0.1289617	0.4045915	0.128648	0.7098335	0.5305742	0.7830058	0.2251211	0.2251211	blue
0.467905	0.1642518	0.1202745	0.6150795	0.5213257	0.7297301	0.00284696	0.00284696	brown
0.2253725	0.9626578	0.1389819	0.8354034	0.432626	0.5448791	0.9551829	0.9551829	grey

0.04910349	0.01643652	0.7289948	0.4537643	0.856167	0.9786385	0.00616641	0.00616641	blue
0.1430546	0.997429	0.3227864	0.881297	0.1555368	0.317053	0.4672823	0.4672823	grey
0.327982	0.00486182	0.2131842	0.763719	0.9183378	0.229312	1.67E-08	1.67E-08	brown
0.5590296	0.06334708	0.9420947	0.1872107	0.5905088	0.8519856	8.32E-07	8.32E-07	grey
0.2862768	0.655573	0.987932	0.5866294	0.5378803	0.4956487	0.8292627	0.8292627	midnightblue
0.1043166	0.00537588	0.9589689	0.1544298	0.7456712	0.4231296	0.3339748	0.3339748	greenyellow
0.1904845	0.290167	0.03385079	0.1294097	0.2593488	0.1362911	0.00014307	0.00014307	turquoise
0.224053	0.09158504	0.4821864	0.9966496	0.6237426	0.7267039	1.46E-19	1.46E-19	grey
0.8303416	0.9873875	0.00106356	0.2288236	0.4795851	0.04142922	0.08694948	0.08694948	green
0.03697517	0.04171896	0.9230071	0.4943371	0.1502031	0.5931043	0.2737938	0.2737938	turquoise
0.4413359	0.2510145	0.3137037	0.33629	0.5840466	0.2896059	0.3885537	0.3885537	pink
0.8587774	0.3349967	0.0075673	0.0746012	0.7879007	0.2748221	0.4451119	0.4451119	grey
0.7318689	0.148732	0.1027361	0.2073023	0.6710119	0.1423996	0.01238636	0.01238636	turquoise
0.2584145	0.4804092	0.4150445	0.2771946	0.6387022	0.7581594	0.00648396	0.00648396	turquoise
0.358627	0.00824292	0.2974511	0.3710927	0.324852	0.4100791	5.14E-16	5.14E-16	yellow
0.6777366	0.3808911	0.03300713	0.5879053	0.9893267	0.1572884	0.309818	0.309818	turquoise
0.7504865	0.2811963	0.5097824	0.2822961	0.625988	0.6752555	0.00024501	0.00024501	grey
0.1180814	0.6260083	0.05290876	0.6817542	0.5684292	0.81209	0.4126624	0.4126624	grey
0.8477689	0.7238032	0.1478279	0.3156577	0.8808089	0.7897556	0.00183497	0.00183497	grey
0.8831673	0.05575872	0.7365476	0.1165084	0.8044656	0.8459239	0.01160335	0.01160335	blue
0.2752888	0.9525034	0.00501751	0.0766416	0.2401864	0.0076309	0.2771999	0.2771999	turquoise
0.1992538	0.0675891	0.8608689	0.3885786	0.7041043	0.8596009	0.8298646	0.8298646	grey
0.3483907	0.1813204	0.2048196	0.8349937	0.2819341	0.2427314	0.01193494	0.01193494	grey
0.2948394	0.2765265	0.1751985	0.1178297	0.7604152	0.2960666	0.1561747	0.1561747	grey
0.5704553	0.1486969	0.05098181	0.0781518	0.4651792	0.2234961	0.4088526	0.4088526	blue
0.8886435	0.09046496	0.1945629	0.789672	0.9875392	0.5397028	1.55E-05	1.55E-05	brown
0.4468019	0.00024437	0.1473717	0.1196054	0.7258251	0.4984717	4.75E-21	4.75E-21	brown
0.8805407	0.5255086	0.09102615	0.5008554	0.6096862	0.1170162	0.3768654	0.3768654	turquoise
0.2652784	0.4518255	0.3156375	0.5229346	0.373169	0.07212428	0.05025356	0.05025356	grey
0.8321554	0.07816049	0.849493	0.8234871	0.8093872	0.2932072	3.90E-05	3.90E-05	blue
0.3546277	0.9594984	0.4673334	0.1968268	0.9686954	0.01333492	0.5873373	0.5873373	turquoise
0.9257171	0.03319997	0.8300751	0.6433508	0.4846512	0.7262014	0.0021155	0.0021155	salmon
0.5774373	0.5359619	0.00763812	0.1306524	0.777735	0.00465026	0.4023548	0.4023548	turquoise
0.3184322	0.5362719	0.9909111	0.9534454	0.8876488	0.5625995	0.00060902	0.00060902	turquoise
0.2766853	0.01252595	0.5912669	0.1601662	0.7379852	0.9369934	0.09503224	0.09503224	grey
0.9428102	0.0779609	0.1553798	0.7348445	0.7545626	0.4339283	1.42E-05	1.42E-05	blue
0.05398506	0.5741386	0.0354492	0.9988156	0.4322504	0.8037926	0.00010228	0.00010228	pink
0.6206396	0.2510734	0.7312706	0.9998783	0.9269805	0.4573	0.9624002	0.9624002	grey
0.273752	0.6955459	0.0028689	0.8812252	0.4102428	0.06259084	0.2544848	0.2544848	turquoise
0.02223621	0.1511397	0.2985793	0.4572542	0.8413896	0.8298034	0.0060996	0.0060996	grey
0.359797	0.5593556	0.2066453	0.7485809	0.6209299	0.695354	0.1831212	0.1831212	turquoise
0.4698732	0.4266592	0.9934338	0.0764609	0.4827557	0.1980566	0.4437258	0.4437258	cyan
0.09415252	0.959504	0.3487017	0.1655396	0.8326254	0.6779338	0.06698085	0.06698085	greenyellow
0.4169407	0.08738546	0.6189587	0.5833667	0.9923408	0.9620567	5.34E-08	5.34E-08	grey
0.5445704	0.01252851	0.01996291	0.0945551	0.5737665	0.01231231	3.82E-06	3.82E-06	blue
0.4296336	0.1557586	0.6558784	0.3758844	0.4891322	0.6451586	0.6607257	0.6607257	black
0.6224306	0.6116084	0.00916089	0.3792376	0.6529775	0.2632979	0.7518909	0.7518909	turquoise
0.1527035	0.1770569	0.3841539	0.3751191	0.1573787	0.4442314	0.4327755	0.4327755	grey
0.4192024	0.3955521	0.9271649	0.7977807	0.2429669	0.1635912	0.03080768	0.03080768	grey
0.1120084	0.02722985	0.3453666	0.3211224	0.6407185	0.5293044	0.3038782	0.3038782	grey60
0.5603292	0.1981238	0.06615405	0.2164286	0.7106829	0.2527763	0.1999525	0.1999525	turquoise
0.2067676	0.01482908	0.2498003	0.7019226	0.8677723	0.1894807	4.48E-08	4.48E-08	brown
0.3211572	0.1670479	0.03587294	0.0329645	0.8066233	0.3222418	0.1416351	0.1416351	turquoise
0.5765201	0.01888009	0.5079536	0.6086654	0.7861477	0.411092	1.02E-17	1.02E-17	brown
0.5122448	0.7920232	0.1718158	0.4289303	0.3179217	0.7972941	0.3152804	0.3152804	turquoise
0.2280284	0.1652213	0.5449075	0.1487899	0.729563	0.4098463	0.1989006	0.1989006	turquoise
0.248141	0.8593457	0.6504512	0.1322279	0.2908607	0.3811505	0.1402955	0.1402955	grey
0.3924297	0.1816472	0.9561628	0.908675	0.6563256	0.7007829	0.6969332	0.6969332	cyan
0.4476859	0.00745254	0.0646531	0.4729642	0.6847513	0.6928457	1.81E-08	1.81E-08	brown
0.3282074	0.7282025	0.05180196	0.0377037	0.7689914	0.0115289	0.2424939	0.2424939	turquoise
0.1261763	0.02719976	0.2098313	0.1471927	0.2729903	0.5328818	1.26E-15	1.26E-15	brown

0.6096128	0.9139305	0.1232285	0.3822709	0.084642	0.03530013	0.05026348	0.05026348	turquoise
0.1061544	0.1202371	0.2513579	0.8445694	0.8909439	0.1605745	2.88E-06	2.88E-06	blue
0.791734	0.3451381	0.1364786	0.5224607	0.9538284	0.3366817	0.05829176	0.05829176	darkred
0.7441698	0.8448178	4.25E-06	0.082776	0.548347	0.1058757	0.8651531	0.8651531	turquoise
0.8969693	0.5353059	0.00034709	0.043312	0.6887781	0.2381763	0.9758894	0.9758894	turquoise
0.902171	0.05660794	0.0401126	0.3675089	0.3246054	0.809346	2.30E-17	2.30E-17	yellow
0.4519384	0.2355906	0.01361747	0.496853	0.6028033	0.4947779	0.04161392	0.04161392	turquoise
0.7996956	0.00317085	0.00099528	0.2647186	0.5792274	0.4402281	5.93E-21	5.93E-21	brown
0.8851497	0.02353787	0.03866645	0.9661156	0.8944025	0.2182696	0.00065805	0.00065805	grey
0.4877934	0.7082133	0.2720245	0.1467885	0.6738022	0.5764795	0.5342509	0.5342509	lightcyan
0.8927223	0.06929687	0.08153146	0.0493375	0.7522888	0.1270666	0.00503006	0.00503006	blue
0.6306251	0.2911192	0.3910058	0.4699296	0.708424	0.5699855	0.04554588	0.04554588	blue
0.1734967	0.7001955	0.2736963	0.6137741	0.5912099	0.1454057	0.9239731	0.9239731	turquoise
0.2131853	0.1778249	0.7206898	0.7420779	0.2759727	0.5470456	0.3755045	0.3755045	cyan
0.8266889	0.5303468	0.3383232	0.3888076	0.8404811	0.8973461	0.7123578	0.7123578	grey
0.4622032	0.1337615	0.4223116	0.2243088	0.7543258	0.48378	0.2215884	0.2215884	turquoise
0.6503653	0.7412249	0.3870955	0.0053291	0.8389115	0.5128566	0.1670488	0.1670488	grey
0.1904687	0.3691187	0.02751206	0.2393772	0.04737047	0.3080769	0.04999361	0.04999361	turquoise
0.2671132	0.00546921	0.1240298	0.8224116	0.7431514	0.3875807	9.23E-12	9.23E-12	brown
0.2580982	0.00559515	0.09572205	0.3806551	0.41516	0.6523394	5.13E-14	5.13E-14	brown
0.8719791	0.1894717	0.6221327	0.7695905	0.5317943	0.9965778	0.04854194	0.04854194	grey
0.3770833	0.08425265	0.05899702	0.1042516	0.6475027	0.1244969	0.2666612	0.2666612	grey
0.07749263	0.00246577	0.07774401	0.9809731	0.5792101	0.2121862	3.10E-05	3.10E-05	blue
0.6761021	0.03833378	0.02752798	0.0220788	0.7975563	0.0097095	0.5356988	0.5356988	turquoise
0.06044312	0.9980208	0.3484782	0.4625677	0.297616	0.8825891	0.00861231	0.00861231	grey
0.2051468	0.02669121	0.2421035	0.3202961	0.7672824	0.619771	1.05E-05	1.05E-05	blue
0.2512499	0.2827951	0.1039595	0.9489125	0.46382	0.9702884	0.1139198	0.1139198	grey
0.3002125	0.1693031	0.4328078	0.7713495	0.3754456	0.4593278	0.3979652	0.3979652	turquoise
0.1450601	0.0018266	0.4441115	0.294708	0.02061985	0.154976	3.52E-05	3.52E-05	turquoise
0.6511631	0.00280107	0.00339481	0.0525306	0.2684025	0.4496482	7.50E-13	7.50E-13	green
0.09595016	0.2723889	0.1515506	0.501566	0.4535255	0.1819862	2.42E-05	2.42E-05	blue
0.8125982	0.4403954	0.04440622	0.015633	0.4096493	0.05402051	0.08817398	0.08817398	grey
0.01370886	0.07780336	0.06133	0.0052481	0.6431493	0.3146795	0.00282721	0.00282721	grey
0.4524844	0.00412906	0.1604427	0.9432288	0.4753811	0.123847	5.56E-09	5.56E-09	blue
0.576448	0.3539218	0.01065982	0.0873354	0.9821122	0.02618549	0.102695	0.102695	turquoise
0.04453939	0.3140463	0.634311	0.0387866	0.1079851	0.1778029	0.00753393	0.00753393	blue
0.7678568	0.2013616	0.0556396	0.8180577	0.9905013	0.2980444	0.5705177	0.5705177	grey
0.3761519	0.8660207	0.143799	0.5730009	0.8568266	0.264286	0.0133094	0.0133094	turquoise
0.2445218	0.4398163	0.5486481	0.820707	0.8923354	0.5946573	0.5878469	0.5878469	red
0.2016	0.6184399	0.987571	0.1546305	0.5240401	0.8536158	0.8940526	0.8940526	blue
0.1633693	0.6039111	0.06932773	0.540901	0.5423611	0.2914976	0.00028832	0.00028832	blue
0.5695137	0.7983971	0.2937896	0.726135	0.4475703	0.3481845	4.85E-07	4.85E-07	grey
0.9529875	0.7845354	0.3092573	0.9809201	0.9234174	0.321758	9.16E-06	9.16E-06	brown
0.04265972	0.09870498	0.3795872	0.7994662	0.840587	0.2306088	1.65E-10	1.65E-10	blue
0.6382148	0.2338597	0.4974873	0.111265	0.9233828	0.745512	2.51E-05	2.51E-05	blue
0.5761699	0.2187079	0.1188471	0.1196894	0.6237491	0.1451553	0.9275625	0.9275625	turquoise
0.2017434	0.41742	0.1617245	0.5541227	0.6299114	0.3747861	0.6556556	0.6556556	blue
0.120649	0.2892261	0.03791106	0.3294432	0.1644802	0.269277	0.0001954	0.0001954	turquoise
0.1318369	0.1362282	0.8769399	0.7633588	0.7934265	0.9209816	0.01015791	0.01015791	grey
0.7256582	0.4906248	0.1986857	0.6202146	0.3443817	0.2865986	0.00520796	0.00520796	blue
0.6378755	0.461834	0.03921431	0.5514975	0.09372332	0.2839575	0.8944251	0.8944251	darkturquoise
0.01293001	0.2958284	0.853687	0.9898316	0.8060201	0.3926038	0.7275287	0.7275287	blue
0.06652466	0.1821996	0.390752	0.2935304	0.1439811	0.7567192	0.9033965	0.9033965	turquoise
0.7640176	0.3708	0.3739731	0.7375319	0.4272663	0.3441964	0.02678581	0.02678581	grey
0.8501829	0.4998616	0.01857609	0.5433183	0.09209693	0.4120945	8.05E-06	8.05E-06	green
0.0549841	0.00221013	0.667456	0.847506	0.8940252	0.7138973	0.00587963	0.00587963	blue
0.5492599	0.06550896	0.3380842	0.8139371	0.9530579	0.68133	0.00052192	0.00052192	grey
0.693301	0.08626923	0.1691494	0.5977956	0.7421	0.9280522	4.33E-05	4.33E-05	pink
0.8562967	0.00329672	0.3729079	0.5048518	0.0728543	0.5897378	0.5547903	0.5547903	grey
0.5386501	0.9795424	0.6451227	0.9193644	0.2209879	0.3151084	0.855197	0.855197	midnightblue
0.7636719	0.152707	0.4891464	0.0072113	0.4677043	0.03013969	0.935348	0.935348	grey

0.8823555	0.2366989	0.4260209	0.7074061	0.6120277	0.2101471	0.00066079	0.00066079	grey
0.5746456	0.2787373	0.119009	0.206369	0.8268547	0.1661695	0.6123731	0.6123731	turquoise
0.09018707	0.8487413	0.6659237	0.1849595	0.04610891	0.1845053	0.8995923	0.8995923	turquoise
0.644455	0.3877158	0.5564289	0.9986687	0.2485711	0.08376179	0.1092112	0.1092112	grey
0.7567077	0.9295588	0.3354647	0.9928059	0.8785845	0.5888814	2.09E-08	2.09E-08	lightgreen
0.7517821	0.1987295	0.2200691	0.2641925	0.8048738	0.3573348	0.00707948	0.00707948	blue
0.4470662	0.4965301	0.02336678	0.3347286	0.9183538	0.1586406	0.1664545	0.1664545	turquoise
0.1276347	0.129186	0.2845755	0.3018284	0.5864511	0.8505356	0.1042269	0.1042269	grey
0.3830083	0.1438618	0.03161597	0.3091404	0.4184715	0.2087698	0.09850222	0.09850222	turquoise
0.634765	0.6820768	0.6344047	0.7741043	0.6733832	0.5715876	0.2497409	0.2497409	royalblue
0.1277932	0.8132271	0.1379765	0.3493321	0.7416019	0.404124	0.00054934	0.00054934	yellow
0.4345438	0.1626993	0.7206067	0.9394035	0.4849225	0.5991094	0.03505736	0.03505736	grey
0.7655656	0.163339	0.5424804	0.5764082	0.8298055	0.9241229	0.0451674	0.0451674	grey
0.1379562	0.00747884	0.02432408	0.4635845	0.8293857	0.7028333	1.62E-17	1.62E-17	yellow
0.7926632	0.8496992	0.02115166	0.1342113	0.814404	0.3414214	0.4109245	0.4109245	turquoise
0.02819174	0.4729231	0.00214046	0.0163232	0.4850389	0.01389965	0.6714808	0.6714808	grey
0.766562	0.321039	0.01952048	0.6779098	0.9118053	0.2004728	0.6384	0.6384	turquoise
0.7302273	0.03345923	0.07333871	0.7818444	0.3302657	0.2809584	2.11E-06	2.11E-06	blue
0.2346129	0.6964521	0.456275	0.4143236	0.6867037	0.4387175	0.01236293	0.01236293	grey
0.7358971	0.2043763	0.7969927	0.1585405	0.6101338	0.3748405	0.3483416	0.3483416	skyblue
0.2452455	0.2825417	0.6639156	0.7811486	0.2940361	0.5916157	0.8175267	0.8175267	grey
0.5399212	0.1252818	0.00539901	0.333562	0.7931196	0.7211	0.07366398	0.07366398	brown
0.6377089	0.8796023	0.02168807	0.5102279	0.5776609	0.6924506	0.1473015	0.1473015	grey
0.5344696	0.1944903	0.5811548	0.6835098	0.7344924	0.2530096	0.00123521	0.00123521	blue
0.2572935	0.6311639	0.5164666	0.3339615	0.7174272	0.3733249	0.6606978	0.6606978	turquoise
0.9943407	0.1859419	0.6586038	0.3618406	0.6512639	0.3267262	3.21E-05	3.21E-05	blue
0.628868	0.2253195	0.00743804	0.4192773	0.8179424	0.2300003	3.22E-07	3.22E-07	turquoise
0.3060957	0.2756086	0.00989129	0.089837	0.8324417	0.1325105	0.00366861	0.00366861	magenta
0.8248531	0.6869102	0.1159535	0.5546508	0.8673135	0.2216483	0.4841846	0.4841846	grey
0.1346548	0.9599925	0.1194023	0.4727978	0.508223	0.2981245	0.2336094	0.2336094	turquoise
0.3919328	0.9841664	0.2894363	0.8663077	0.8036966	0.4095078	0.7898401	0.7898401	turquoise
0.5619693	0.399808	0.3212892	0.5221032	0.7533837	0.4457742	1.33E-10	1.33E-10	yellow
0.6579117	0.2123347	0.03476751	0.5312193	0.04419497	0.1829409	0.2064606	0.2064606	grey60
0.4885698	0.9672233	0.02892225	0.4334523	0.00517643	0.03132595	0.00035769	0.00035769	grey
0.4376689	0.09216672	0.2075768	0.8840847	0.5612271	0.8461122	0.6985479	0.6985479	grey
0.9504363	0.01845226	0.10475	0.5065643	0.7766685	0.2626839	2.19E-23	2.19E-23	yellow
0.3242105	0.7229663	0.5309412	0.3939308	0.423898	0.3206169	0.0802007	0.0802007	grey
0.32416	0.1241173	0.00184655	0.084326	0.6877162	0.5799143	8.92E-11	8.92E-11	yellow
0.2426974	0.375643	0.0411245	0.9884629	0.8347236	0.2048458	0.9896386	0.9896386	turquoise
0.4040223	0.7583303	0.2268932	0.9473138	0.4852279	0.4294798	0.7581205	0.7581205	turquoise
0.4263174	0.6706367	0.04041661	0.1179788	0.3784411	0.02349574	0.04184807	0.04184807	turquoise
0.3415062	0.04019108	0.6386697	0.3034197	0.9059172	0.09612534	4.61E-11	4.61E-11	brown
0.5342138	0.01331769	0.2880465	0.0558961	0.3207671	0.01944084	0.00148457	0.00148457	blue
0.7694009	0.2268075	0.00212047	0.7511932	0.8046326	0.8902145	0.00915337	0.00915337	grey
0.2482208	0.4677969	0.5079994	0.2005941	0.6520366	0.6022584	0.01517874	0.01517874	turquoise
0.2546478	0.4316249	0.4196737	0.5806749	0.6536816	0.5443023	0.00022251	0.00022251	turquoise
0.3092917	0.07362078	0.2692293	0.9269223	0.8541819	0.4207966	0.7929975	0.7929975	purple
0.07797805	0.2536464	0.1057131	0.0859808	0.02527844	0.1488427	0.1771807	0.1771807	turquoise
0.05153476	0.7960594	0.00674311	0.8416885	0.82496	0.1488746	0.4443873	0.4443873	turquoise
0.6815587	0.239028	0.1333622	0.4669754	0.9798587	0.05178831	0.00928202	0.00928202	turquoise
0.03409133	0.4821722	0.9299138	0.9969572	0.4304137	0.9514822	0.5531444	0.5531444	grey
0.800471	0.5222003	0.6579358	0.3431728	0.9135683	0.1980261	0.03013001	0.03013001	turquoise
0.2323208	0.7194872	0.1051092	0.8476273	0.7522992	0.2966768	0.5235359	0.5235359	turquoise
0.2747047	0.3628065	0.3042801	0.2125398	0.6403142	0.3111248	0.1875302	0.1875302	orange
0.9682741	0.00902904	0.1791459	0.6340429	0.719402	0.6006374	1.48E-16	1.48E-16	yellow
0.1436607	0.4171629	0.141703	0.5375886	0.8743615	0.9781767	1.99E-12	1.99E-12	yellow
0.5559731	0.7028997	0.8464155	0.6566629	0.4704415	0.7598665	0.1330897	0.1330897	turquoise
0.6329609	0.5112947	0.05083562	0.0894128	0.5278652	0.6215697	0.1143944	0.1143944	turquoise
0.5379763	0.8727637	0.02369121	0.05671	0.8041436	0.1020692	0.03239064	0.03239064	turquoise
0.02439722	0.00587641	0.09848478	0.6702627	0.9225387	0.4837949	7.40E-05	7.40E-05	blue
0.3377046	0.8404994	0.8884287	0.9445326	0.228437	0.7582076	0.07551216	0.07551216	grey

0.299498	0.6794968	0.2029755	0.5538193	0.7843469	0.2262962	0.823841	0.823841	red
0.2471849	0.08481582	0.05696156	0.1169674	0.6022385	0.1053778	0.6109428	0.6109428	grey
0.1110046	0.8424786	0.8749982	0.6599463	0.09103005	0.5481852	0.08251549	0.08251549	grey
0.1510616	0.2572902	0.0506127	0.7109126	0.1381833	0.2851858	0.4155147	0.4155147	turquoise
0.03219091	0.3880692	0.4218947	0.2702013	0.3875807	0.1405401	0.00024225	0.00024225	grey
0.6407618	0.295738	0.00818575	0.7976329	0.2137975	0.1361739	0.06820392	0.06820392	tan
0.9645675	0.02759241	0.01974306	0.4732879	0.4543555	0.8946395	3.90E-09	3.90E-09	brown
0.08045456	0.4094789	0.5574509	0.4777561	0.6176087	0.6813829	0.06555662	0.06555662	blue
0.8610969	0.02166526	0.00123733	0.047362	0.8337791	0.07257517	1.25E-07	1.25E-07	brown
0.881258	0.00967445	0.02646292	0.1706912	0.6937186	0.3038967	9.95E-13	9.95E-13	brown
0.5505624	0.03581458	0.04017512	0.2399711	0.5976387	0.216022	5.12E-10	5.12E-10	yellow
0.7711706	0.9529948	0.05914601	0.1687395	0.623335	0.146438	0.6434495	0.6434495	turquoise
0.792886	0.4009416	0.2874525	0.0676484	0.6611005	0.2630683	0.0001124	0.0001124	turquoise
0.4109766	0.6928594	0.00018371	0.1674606	0.04567419	0.1263708	4.09E-06	4.09E-06	turquoise
0.1276065	0.7640471	0.1416724	0.931005	0.4297823	0.405384	0.850492	0.850492	grey
0.8985146	0.05867312	0.4273185	0.1915049	0.4457357	0.5586528	0.0030871	0.0030871	blue
0.3048181	0.9478007	0.1007526	0.1782545	0.1704057	0.3359222	1.54E-16	1.54E-16	brown
0.1878874	0.0509492	0.664344	0.5173855	0.3678548	0.888875	8.43E-05	8.43E-05	grey
0.447555	0.5495246	0.00796387	0.164089	0.3814737	0.1039516	0.3325222	0.3325222	turquoise
0.3105795	0.0042435	0.00047888	0.0487768	0.8315742	0.294882	3.32E-17	3.32E-17	yellow
0.8618268	0.1966265	0.00023405	0.2734153	0.07279671	0.3066783	1.71E-06	1.71E-06	brown
0.5603715	0.6382182	0.00012876	0.0191058	0.02429556	0.00382087	0.1490709	0.1490709	turquoise
0.4144293	0.4819395	0.00151272	0.039926	0.3472422	0.2672756	8.91E-09	8.91E-09	yellow
0.8458503	0.02988628	0.6866147	0.4671956	0.8736188	0.3912371	0.0007126	0.0007126	brown
0.3473862	0.9722384	0.6528185	0.6695799	0.4415061	0.6984659	0.05548754	0.05548754	turquoise
0.373109	0.8529412	0.03923139	0.7736386	0.814608	0.9437548	0.2371853	0.2371853	turquoise
0.8155082	0.523821	0.01108469	0.5658426	0.6050233	0.4837628	0.2567791	0.2567791	green
0.5339971	0.1308813	0.01146711	0.0944386	0.8793585	0.5080253	0.02345243	0.02345243	turquoise
0.06306057	0.01780132	0.0118602	0.1072517	0.8065367	0.01598144	7.71E-05	7.71E-05	turquoise
0.607076	0.02355571	0.00338208	0.0872071	0.5317258	0.9540726	7.58E-22	7.58E-22	yellow
0.7269242	0.08120196	0.00548333	0.2704894	0.5850058	0.7971745	4.06E-17	4.06E-17	brown
0.4245741	0.00248275	0.8604473	0.6180531	0.9388151	0.9700066	1.79E-07	1.79E-07	blue
0.4101573	0.166711	0.1130323	0.1566871	0.9712851	0.2001939	0.2820171	0.2820171	turquoise
0.7770514	0.3721084	0.5414451	0.1506683	0.4972232	0.7075541	8.69E-05	8.69E-05	pink
0.375714	0.2318116	0.0258842	0.4700153	0.8710588	0.06756868	0.1001232	0.1001232	turquoise
0.8544687	0.5189101	0.7997729	0.4081073	0.5255275	0.5996727	0.2850633	0.2850633	orange
0.06995174	0.8687783	0.00840002	0.416744	0.183834	0.1546218	1.17E-09	1.17E-09	yellow
0.193267	0.1178646	0.0920572	0.5174429	0.03327565	0.09072927	0.00013725	0.00013725	blue
0.01390352	0.1402245	0.6498428	0.8927319	0.1459432	0.2100432	0.4680562	0.4680562	grey
0.3420868	0.27511	0.8216037	0.3962659	0.48723	0.2868518	1.42E-06	1.42E-06	turquoise
0.3679822	0.9049572	0.2618522	0.9253272	0.9706439	0.7774413	0.6769617	0.6769617	turquoise
0.3900619	0.3790459	0.6545124	0.1581758	0.282199	0.9629093	0.06554968	0.06554968	turquoise
0.4195667	0.8351381	0.9601702	0.066873	0.5739249	0.1358835	0.7838985	0.7838985	turquoise
0.6880638	0.5584009	0.8121045	0.4160928	0.5445945	0.4757557	0.4561969	0.4561969	grey
0.07532558	0.03394702	0.3015171	0.1652067	0.8495805	0.938724	0.00030305	0.00030305	blue
0.9206409	0.2641521	0.00054448	0.6056215	0.3590547	0.1598445	1.73E-05	1.73E-05	green
0.6656259	0.02566376	0.7407481	0.6470349	0.9501421	0.9314869	0.06379579	0.06379579	turquoise
0.2410716	0.2008351	0.00229635	0.2757771	0.2967235	0.08901809	0.8239314	0.8239314	green
0.4334071	0.8675704	0.8186747	0.6010798	0.6240796	0.393768	0.9459508	0.9459508	turquoise
0.6220751	0.1700768	0.00167822	0.5094291	0.9908769	0.170166	0.07282766	0.07282766	turquoise
0.8396686	0.03011969	0.7017647	0.6155094	0.3273897	0.766984	7.35E-07	7.35E-07	grey
0.3011077	0.2535994	0.7338943	0.877534	0.8011296	0.8766468	0.5336942	0.5336942	white
0.8628561	0.8415815	0.6749152	0.6244793	0.7006171	0.3855606	0.02457098	0.02457098	grey
0.717555	0.8654498	0.09385061	0.4666951	0.4066007	0.09523006	0.3998656	0.3998656	turquoise
0.6026585	0.1750668	0.02474127	0.8463204	0.8450115	0.7800238	1.87E-16	1.87E-16	yellow
0.5551643	0.8271115	0.00807267	0.9178697	0.3725686	0.3053251	0.00413111	0.00413111	turquoise
0.6326763	0.01331857	0.1366241	0.4282623	0.7955454	0.7928971	2.29E-13	2.29E-13	yellow
0.2889467	0.01727066	0.9506969	0.4315625	0.9106769	0.7095937	0.052684	0.052684	grey
0.1848654	0.9481385	0.3767091	0.987499	0.8380848	0.3096766	0.967566	0.967566	red
0.9364935	0.9660386	0.00560993	0.1498763	0.2932878	0.1238623	0.6891748	0.6891748	grey
0.6210003	0.9811007	0.1279913	0.0195004	0.6744947	0.2500322	0.8493048	0.8493048	grey

0.4328054	0.3114705	0.0911502	0.5621936	0.8049477	0.07930039	0.00111647	0.00111647	turquoise
0.4631116	0.1101933	0.5732486	0.1715666	0.9605979	0.4651196	4.72E-05	4.72E-05	blue
0.7564775	0.9483383	0.8427989	0.0899029	0.7596744	0.3646818	0.02862	0.02862	grey
0.6670758	0.9929013	0.2117225	0.9159825	0.3204488	0.2924136	0.00631568	0.00631568	turquoise
0.1923506	0.01468058	0.1675226	0.7366139	0.4700524	0.2469975	0.00760031	0.00760031	turquoise
0.09634458	0.340657	0.8165656	0.5014064	0.8517803	0.7451262	0.00175071	0.00175071	red
0.8693892	0.3076051	0.123189	0.9986478	0.6439294	0.8328789	0.00322766	0.00322766	grey
0.3139831	0.06733026	0.3756563	0.3485733	0.6194922	0.3356472	0.01651158	0.01651158	brown
0.3261676	0.4036211	0.3072296	0.0499024	0.6500457	0.07460745	0.00011063	0.00011063	grey
0.7036692	0.1426852	0.4947832	0.0591957	0.2995713	0.01833873	0.02745862	0.02745862	turquoise
0.5915444	0.00087541	0.00387567	0.1605298	0.5648898	0.970034	6.61E-18	6.61E-18	brown
0.6266116	0.8174956	0.293021	0.874391	0.9915755	0.9761338	0.4569838	0.4569838	grey
0.7022478	0.7263839	0.4927284	0.1374765	0.4278135	0.1785263	0.4426247	0.4426247	grey
0.2129995	0.00605354	0.1145439	0.8611791	0.07037696	0.6927702	0.211906	0.211906	turquoise
0.9276618	0.4727344	0.6347882	0.0824954	0.9295496	0.7049867	0.1876645	0.1876645	grey
0.03992663	0.1640984	0.07791535	0.8143301	0.4818364	0.6186929	0.00011122	0.00011122	turquoise
0.9182794	0.8828596	0.02917903	0.2032279	0.8693729	0.5613891	6.06E-10	6.06E-10	magenta
0.9411223	0.4538471	0.2215305	0.5027125	0.3852676	0.3077268	0.00016017	0.00016017	turquoise
0.7714062	0.00246787	0.1681384	0.9480346	0.4901141	0.9172095	6.79E-15	6.79E-15	brown
0.8077294	0.119098	0.8797977	0.1497831	0.7573804	0.9598088	0.00513025	0.00513025	green
0.1887597	0.1488652	0.4969997	0.6252103	0.8061524	0.8198969	0.00072214	0.00072214	grey
0.2581064	0.3730066	0.01818025	0.7271445	0.8313017	0.3852329	0.01520797	0.01520797	grey
0.8048188	0.2701286	0.4727746	0.174969	0.8482966	0.3440036	0.05785969	0.05785969	grey
0.8216838	0.1687656	0.01538132	0.7807572	0.6013307	0.972229	1.17E-06	1.17E-06	brown
0.1611612	0.1231783	0.1824229	0.0383981	0.6754425	0.4764865	6.61E-08	6.61E-08	lightyellow
0.559251	0.4827457	0.0020792	0.2233112	0.4345235	0.00743772	0.00413377	0.00413377	turquoise
0.02648091	0.3493176	0.1232349	0.0733187	0.9470418	0.639911	0.3229286	0.3229286	grey
0.6866674	0.8658502	0.8604529	0.3691052	0.5407597	0.8096308	1.46E-05	1.46E-05	lightyellow
0.4041938	0.6991366	0.0722541	0.5685207	0.7733962	0.8582564	0.00689594	0.00689594	blue
0.7115644	0.02539225	0.6148386	0.7836514	0.1289273	0.4239947	1.24E-05	1.24E-05	blue
0.2913841	0.5308819	0.2399451	0.8709105	0.4466423	0.7336447	0.5515568	0.5515568	grey
0.5991911	0.07499606	0.1756369	0.0044882	0.5933076	0.02486787	0.1900332	0.1900332	turquoise
0.6275455	0.6024517	0.7779989	0.8375996	0.4894923	0.5163833	0.7757544	0.7757544	blue
0.2453388	0.8762405	0.00012468	0.0118368	0.5642156	5.12E-05	0.4659685	0.4659685	grey
0.6827564	0.2611928	0.1318378	0.2197178	0.1357156	0.3583718	2.09E-12	2.09E-12	brown
0.8657003	0.8691478	0.8305931	0.85643	0.5962208	0.3530234	0.8075593	0.8075593	turquoise
0.375781	0.1812445	0.5066158	0.9114062	0.1861971	0.3182989	0.2922004	0.2922004	grey
0.2076046	0.5007647	0.2459076	0.0512136	0.5649227	0.6392726	0.07432801	0.07432801	greenyellow
0.08090167	0.5328238	0.5129512	0.9269489	0.6296978	0.9571364	0.3315277	0.3315277	black
0.8155977	0.8543831	0.4829761	0.7375799	0.4010652	0.3545001	0.00035781	0.00035781	grey
0.3789111	0.4692314	0.1740458	0.1682758	0.643508	0.2488522	0.08866461	0.08866461	grey
0.3878269	0.06102317	0.2090816	0.3527562	0.05362446	0.402086	0.04093435	0.04093435	turquoise
0.7398823	0.2259324	0.1192309	0.4508128	0.4566418	0.04694226	0.2455095	0.2455095	turquoise
0.1931225	0.1604817	0.6849425	0.6785691	0.6631922	0.3217478	1.49E-07	1.49E-07	blue
0.6564032	0.2430279	0.1486878	0.9906322	0.909866	0.4764211	0.01018947	0.01018947	turquoise
0.8130853	0.02536717	0.1909746	0.980651	0.6402093	0.9544473	2.89E-12	2.89E-12	brown
0.854635	0.6496235	0.00600632	0.0633011	0.7850951	0.00722118	0.1453975	0.1453975	turquoise
0.2817009	0.00262882	0.03462483	0.5401024	0.7674038	0.8741093	8.02E-17	8.02E-17	brown
0.7694145	0.05542083	0.06980209	0.7465716	0.4511734	0.5933787	0.00028059	0.00028059	brown
0.939007	0.1611841	0.01850973	0.0410701	0.2625652	0.00859882	5.05E-06	5.05E-06	turquoise
0.1924943	0.06402667	0.3018905	0.1172516	0.4689271	0.09213155	0.629133	0.629133	turquoise
0.9044517	0.3043344	0.1840199	0.1319281	0.7467858	0.6577545	5.68E-05	5.68E-05	blue
0.6001765	0.02144337	0.01966304	0.7866422	0.1517694	0.04657706	1.14E-08	1.14E-08	brown
0.7321766	0.1484853	5.22E-05	0.0700921	0.9068102	0.09573947	0.09378202	0.09378202	turquoise
0.4878559	6.41E-06	0.7969124	0.8478883	0.4003751	0.1295632	1.75E-10	1.75E-10	yellow
0.5479326	0.00236894	0.04962644	0.8323273	0.8830804	0.5444598	6.39E-10	6.39E-10	brown
0.5461132	0.8910021	0.2660706	0.4062997	0.2682304	0.8271202	0.00305189	0.00305189	blue
0.1264446	0.8136482	0.9557761	0.1271449	0.7627427	0.09880242	0.00390892	0.00390892	grey
0.5330148	0.8296536	0.5162256	0.2755167	0.347213	0.8011123	0.9210423	0.9210423	grey
0.02809122	0.3515739	0.1149293	0.3158774	0.3740664	0.7165125	0.7558528	0.7558528	greenyellow
0.7241631	0.4359854	0.00042549	0.2247152	0.3900342	0.1708802	3.48E-05	3.48E-05	green

0.07769772	0.3172624	0.7573867	0.9199909	0.4230644	0.3756185	4.39E-05	4.39E-05	lightgreen
0.4511485	0.02289254	0.1494109	0.5708066	0.3417215	0.2084753	1.04E-09	1.04E-09	brown
0.5623087	0.00329473	0.1704021	0.1220996	0.5398684	0.2178149	7.36E-12	7.36E-12	yellow
0.3037486	0.00681672	0.9648071	0.1775109	0.9741692	0.2748065	0.2443718	0.2443718	turquoise
0.1702714	0.550296	0.3946822	0.6613143	0.4602205	0.7799838	8.38E-05	8.38E-05	pink
0.02330614	0.881452	0.2378363	0.6985465	0.4694182	0.8766705	0.07688618	0.07688618	blue
0.159534	0.8971918	0.117382	0.7577725	0.8781937	0.09594992	0.7642677	0.7642677	red
0.341443	0.1418532	0.8962553	0.8811021	0.1724554	0.5472936	0.2663737	0.2663737	turquoise
0.373486	0.08835745	0.2845896	0.4513536	0.6987208	0.2294286	0.6681364	0.6681364	grey
0.3211777	0.03428114	0.222037	0.6943174	0.5243774	0.8788764	1.86E-14	1.86E-14	brown
0.559859	0.2335234	0.3138787	0.9878499	0.786376	0.4000742	0.06570925	0.06570925	pink
0.00833677	0.6292313	0.4031644	0.0419194	0.8769769	0.6902725	0.4181337	0.4181337	grey
0.5950521	0.00074951	0.5456389	0.7032702	0.8660297	0.5328337	0.00254863	0.00254863	grey
0.1551861	0.1463364	0.06171393	0.3254551	0.00027786	0.149897	0.0526632	0.0526632	turquoise
0.06659848	0.1626246	0.8059095	0.1169098	0.7801543	0.7781292	7.67E-06	7.67E-06	blue
0.1089481	0.8953366	0.00128211	0.0643136	0.7843398	0.02343605	0.8244949	0.8244949	turquoise
0.5874489	0.5602844	0.07282831	0.6705097	0.2085609	0.3248055	0.06491435	0.06491435	turquoise
0.6765518	0.1072435	0.6483987	0.0234877	0.7810727	0.218132	3.39E-05	3.39E-05	grey
0.9940764	0.8902373	0.8421431	0.4375437	0.998335	0.9256448	0.05650656	0.05650656	blue
0.09692796	0.05520275	0.4297421	0.3272225	0.4269038	0.6291964	5.51E-09	5.51E-09	brown
0.9333934	0.08959414	0.4129207	0.9205134	0.3176149	0.3371308	1.20E-06	1.20E-06	blue
0.4735434	0.173833	0.5872381	0.871045	0.2805683	0.5907074	0.05115117	0.05115117	grey
0.0415909	0.3353613	0.2643268	0.7426097	0.750806	0.4247472	0.0003375	0.0003375	blue
0.5282809	0.1105163	0.1504282	0.2566519	0.8267342	0.05465304	1.22E-21	1.22E-21	brown
0.6064433	0.248319	0.2990304	0.3382986	0.5823546	0.5735989	0.04841612	0.04841612	blue
0.4028453	0.5197696	0.8127101	0.4488904	0.7215225	0.1575983	4.39E-08	4.39E-08	turquoise
0.05328279	0.01192808	0.03737491	0.0003538	0.6956552	0.06850475	0.00094902	0.00094902	grey
0.05801316	0.3245153	0.0572382	0.9687986	0.8791764	0.8292109	0.152984	0.152984	blue
0.7298464	0.09083414	0.00295026	0.4146277	0.0401541	0.366751	0.3580274	0.3580274	turquoise
0.5168992	0.237043	0.414874	0.9007558	0.6417089	0.3957221	0.1233301	0.1233301	turquoise
0.03915836	0.01900001	0.04012093	0.8312009	0.4166405	0.1459242	1.25E-09	1.25E-09	blue
0.5146521	0.2866166	0.03547994	0.0773733	0.9768766	0.09081363	0.00462604	0.00462604	turquoise
0.559387	0.602729	0.9460597	0.7776645	0.4027425	0.6083148	0.0011029	0.0011029	pink
0.05540797	0.2380728	0.6946841	0.34089	0.1814443	0.4325069	0.01158653	0.01158653	grey
0.7100718	0.6395337	0.3198117	0.3738987	0.6328449	0.2273482	0.6623994	0.6623994	turquoise
0.7979477	0.6012774	0.564118	0.5001365	0.8238173	0.2824632	0.0179778	0.0179778	turquoise
0.431679	0.4728028	0.0986799	0.1289384	0.5568283	0.1802374	0.00186498	0.00186498	purple
0.5682108	0.1545632	0.2920837	0.7333251	0.7341265	0.6948197	0.7010955	0.7010955	black
0.6632219	0.00562213	0.5739264	0.1028092	0.6966305	0.4026927	0.00292458	0.00292458	grey
0.5788725	0.2051941	0.08004545	0.3925669	0.6799832	0.1045488	1.95E-08	1.95E-08	blue
0.4021503	0.9299127	0.223342	0.9409875	0.8140364	0.798078	0.3311803	0.3311803	grey
0.7571778	0.4346369	0.5348189	0.9121392	0.7028185	0.3693971	0.00526376	0.00526376	grey
0.03071133	0.5764639	0.3225465	0.724655	0.9929691	0.4284453	0.00019999	0.00019999	turquoise
0.8838822	0.5413375	0.00947674	0.0176064	0.7597076	0.03020713	0.00167791	0.00167791	turquoise
0.06694311	0.8056943	0.8054357	0.545754	0.4739271	0.2865997	0.00876533	0.00876533	grey
0.1606791	0.3143177	0.178069	0.5217006	0.9922578	0.3874255	0.00276423	0.00276423	red
0.5526138	0.5377424	0.2979697	0.7436703	0.8945313	0.8395407	0.01918007	0.01918007	grey
0.7126113	0.8222715	0.6176461	0.2196237	0.6995688	0.3506784	0.3313734	0.3313734	grey
0.494717	0.8234204	0.819503	0.2602465	0.955277	0.9920491	0.03930174	0.03930174	turquoise
0.4891308	0.3808474	0.01946136	0.0015515	0.4558732	0.02273317	0.6849737	0.6849737	turquoise
0.5566798	0.362958	0.832627	0.7861575	0.9740813	0.9922847	0.1230542	0.1230542	turquoise
0.2475434	0.2854887	0.9007275	0.7061199	0.9263108	0.4432259	0.4543681	0.4543681	red
0.2962925	0.7213967	0.4233111	0.8233769	0.4811386	0.8960214	0.00031576	0.00031576	grey
0.4862505	0.2780465	0.03061569	0.0147006	0.3060061	0.04035258	0.00789674	0.00789674	grey
0.7479531	0.04698774	0.416184	0.4948311	0.5011007	0.5525127	9.99E-06	9.99E-06	blue
0.9643664	0.9265205	0.0101829	0.3668141	0.8364006	0.1577372	0.03506217	0.03506217	turquoise
0.1262419	0.04797092	0.7977728	0.3813531	0.8269836	0.214276	0.01336873	0.01336873	pink
0.1061771	0.07142015	0.3609613	0.6801383	0.4360932	0.6568047	0.00270703	0.00270703	greenyellow
0.9775458	0.8825189	0.0133009	0.3732537	0.7370957	0.7855886	0.8135303	0.8135303	pink
0.3194568	0.1930148	0.9388543	0.289601	0.9812978	0.7866095	0.0004168	0.0004168	grey
0.785777	0.5425423	0.7750042	0.0224109	0.0012019	0.4421392	0.1612173	0.1612173	turquoise

0.8812852	0.1230196	0.09400058	0.8598311	0.5860894	0.5495356	0.602853	0.602853	turquoise
0.4963781	0.6840094	0.9821994	0.1054	0.6640912	0.0743196	0.6097612	0.6097612	salmon
0.3789853	0.2663844	0.1149615	0.0712174	0.5935123	0.04769008	0.1175515	0.1175515	grey
0.5749339	0.1523081	5.05E-05	0.028701	0.5812811	0.7563764	4.41E-11	4.41E-11	yellow
0.3395585	0.7728421	0.9414345	0.1466356	0.8894974	0.7541008	0.0639113	0.0639113	grey
0.6592486	0.2528407	0.0522954	0.3049305	0.9565739	0.1241172	0.00263322	0.00263322	turquoise
0.9635402	0.1373197	0.0002846	0.3358739	0.9024705	0.5536077	1.06E-38	1.06E-38	yellow
0.9525645	0.3439484	0.00010261	0.0629749	0.670127	0.02262911	0.4741271	0.4741271	turquoise
9.53E-06	0.6360186	0.01492768	0.6829048	0.7890455	0.04564096	0.09455376	0.09455376	grey
0.7395613	0.2459412	0.06239269	0.2739436	0.3505669	0.0418666	0.1367104	0.1367104	white
0.8171785	0.9223993	0.5307998	0.4976752	0.3405903	0.6697013	0.8879616	0.8879616	grey
0.9615609	0.2612721	0.00314577	0.324365	0.9249613	0.7968495	0.3627649	0.3627649	turquoise
0.6538817	0.1549597	0.9198034	0.6913006	0.89675	0.5600168	0.1259708	0.1259708	turquoise
0.01858464	0.3014989	0.05925934	0.9620691	0.6197156	0.8610596	0.07263597	0.07263597	brown
0.3564635	0.5422404	0.00863783	0.9665759	0.9793977	0.1990324	0.00531883	0.00531883	green
0.03256782	0.5915941	0.07154509	0.9902895	0.6360069	0.1749562	0.3155202	0.3155202	turquoise
0.532669	0.1181879	0.3208203	0.8037582	0.5949957	0.4647227	4.02E-05	4.02E-05	grey
0.3691083	0.4587638	0.1884001	0.5106002	0.9862785	0.734391	0.00154624	0.00154624	grey
0.1397415	0.2249183	0.1028756	0.5978491	0.4098308	0.00874446	0.00087698	0.00087698	grey
0.03318516	0.1259995	0.695758	0.2642426	0.9506634	0.8842303	5.69E-07	5.69E-07	yellow
0.4537991	0.704761	0.8704284	0.8396909	0.9131929	0.8365568	0.00030432	0.00030432	grey
0.2381636	0.02724939	0.2307485	0.2175741	0.9589331	0.2161997	0.4569526	0.4569526	grey
0.2565749	0.08864289	0.5167412	0.3515661	0.9182544	0.8166818	0.00889205	0.00889205	blue
0.2621544	0.6663125	0.3922679	0.5571007	0.1939087	0.2785899	0.0251697	0.0251697	blue
0.3015975	0.6640666	0.09781577	0.9497284	0.6062673	0.6297502	0.0890664	0.0890664	pink
0.7257678	0.3012409	0.0008741	0.272876	0.8199316	0.9709369	2.57E-07	2.57E-07	magenta
0.7816187	0.8930904	0.2468231	0.9556979	0.05906213	0.5978932	0.00513565	0.00513565	grey
0.4289431	0.00977811	0.4751261	0.9384974	0.4319717	0.5804215	0.4076194	0.4076194	greenyellow
0.1234524	0.2676802	6.66E-05	0.0166163	0.1170836	0.1356465	0.00197405	0.00197405	grey
0.4268713	0.00512031	0.6023067	0.8912046	0.9234573	0.4159788	0.00443785	0.00443785	turquoise
0.4031002	0.4204617	0.07596573	0.2246672	0.8237186	0.0472187	0.06654266	0.06654266	turquoise
0.3252023	0.1385215	0.5260436	0.7445637	0.7201744	0.3573191	0.1046119	0.1046119	grey
0.8430929	0.07116348	0.1007788	0.2065574	0.7664072	0.01175056	5.28E-05	5.28E-05	turquoise
0.1493045	0.8457197	0.3051109	0.5480595	0.5407778	0.9380972	0.7499199	0.7499199	turquoise
0.8094667	0.8677749	0.2122748	0.5579407	0.7879866	0.531698	0.473694	0.473694	turquoise
0.05192696	0.6862994	0.1215987	0.6819675	0.9982341	0.2460761	0.00255742	0.00255742	magenta
0.1923145	0.04202784	0.34277	0.1250444	0.4751521	0.5532268	0.00132464	0.00132464	grey
0.0980765	0.02413609	0.01396292	0.5428581	0.2992977	0.2587235	1.98E-05	1.98E-05	turquoise
0.5485709	0.02247505	0.3879845	0.2750464	0.9722364	0.9428091	0.00071602	0.00071602	blue
0.7688083	0.00411497	0.00023687	0.1061764	0.6489826	0.9583262	8.91E-38	8.91E-38	yellow
0.6686539	0.3835874	0.01338419	0.1792098	0.8998025	0.03051647	0.00020019	0.00020019	blue
0.7645478	0.2292429	0.2272815	0.3452392	0.8463527	0.3084576	1.14E-10	1.14E-10	turquoise
0.2829028	0.0707902	0.4453337	0.4493035	0.6886282	0.2940233	0.5669927	0.5669927	grey
0.6586314	0.7807035	0.00772778	0.1305321	0.1624124	0.01315591	0.01718841	0.01718841	green
0.6075921	0.5802681	0.348243	0.0971846	0.1613697	0.1148124	0.1879384	0.1879384	turquoise
0.124463	0.3482166	0.4359857	0.7972007	0.4601528	0.1683875	0.1020182	0.1020182	turquoise
0.8544614	0.07476369	0.8577888	0.6747341	0.3871244	0.3428915	0.00851281	0.00851281	grey
0.03610963	0.28698	0.01841357	0.789147	0.7041932	0.6395452	0.00145253	0.00145253	turquoise
0.2034944	0.2134984	0.6504073	0.0192466	0.8083016	0.0983426	0.03117039	0.03117039	grey
0.00091996	0.6372096	0.02571089	0.4956494	0.8763329	0.7710644	5.34E-05	5.34E-05	blue
0.2093191	0.00558797	0.5892089	0.1697057	0.7687251	0.2041092	0.04115961	0.04115961	lightgreen
0.08447522	0.5048984	0.9993399	0.1733932	0.1139244	0.1296625	0.152058	0.152058	turquoise
0.8142933	0.6614395	0.5114929	0.1243775	0.1118106	0.6229291	0.6592652	0.6592652	grey
0.9975611	0.1555496	0.0050428	0.9382511	0.4518322	0.1977843	0.8971338	0.8971338	turquoise
0.5387653	0.8068556	0.00704294	0.2122422	0.2485262	0.05022035	0.02424132	0.02424132	green
0.5009208	0.6717047	0.9563446	0.3607087	0.9291185	0.5561495	0.02599958	0.02599958	grey
0.9864711	0.169347	0.01887757	0.2481891	0.6297784	0.5295107	0.05045261	0.05045261	brown
0.8953088	0.8577455	0.06308846	0.8519476	0.4328613	0.5358923	0.02429757	0.02429757	grey
0.2012053	0.7996956	0.6202012	0.7906056	0.8428912	0.09723246	0.3487566	0.3487566	red
0.3467758	0.2662564	0.3305053	0.1720668	0.318893	0.3801126	0.2721841	0.2721841	red
0.6101568	0.7853223	0.00871456	0.0783389	0.6961461	0.3411218	0.6170203	0.6170203	turquoise

0.1358957	0.02278204	0.01609323	0.28868	0.4176857	0.8751045	0.00013604	0.00013604	turquoise
0.2443581	0.00196622	0.4559424	0.246128	0.9064803	0.8060073	8.78E-09	8.78E-09	blue
0.8389642	0.5381439	0.01887094	0.4471431	0.7092594	0.8449212	0.07557786	0.07557786	turquoise
0.2404761	0.122895	0.0907392	0.8194542	0.8705033	0.9229257	0.4378358	0.4378358	grey60
0.5102797	0.5009551	0.9348361	0.4715856	0.02071016	0.4085329	0.09869224	0.09869224	grey
0.3499499	0.00465892	0.1192979	0.7979031	0.6452437	0.7005439	4.14E-11	4.14E-11	brown
0.2358037	0.1110436	0.00760637	0.5008893	0.7426917	0.41099	0.04867229	0.04867229	blue
0.5857378	0.3353445	0.4435955	0.6968174	0.8346488	0.3072768	0.4521128	0.4521128	grey
0.1016862	0.6382492	0.9503757	0.6103233	0.5944606	0.6118137	0.5573118	0.5573118	turquoise
0.6217687	0.2707383	0.1186403	0.6505781	0.4120921	0.5751102	0.01232865	0.01232865	grey
0.195077	0.2305361	0.7511133	0.1569016	0.1925173	0.8049783	0.07425323	0.07425323	turquoise
0.388101	0.7545731	0.1144764	0.7382174	0.4072963	0.8815355	0.6814215	0.6814215	turquoise
0.5576602	0.9941908	0.01687338	0.3937826	0.4163068	0.04242002	0.00016848	0.00016848	turquoise
0.1288649	0.9535871	0.2859317	0.0476023	0.297427	0.2060227	0.03416582	0.03416582	darkred
0.5624305	0.2736118	0.03675063	0.8724442	0.8857243	0.3066743	0.9987012	0.9987012	turquoise
0.9728596	0.00929198	0.04198391	0.2943531	0.9877529	0.6695709	2.19E-15	2.19E-15	yellow
0.2185896	0.6383061	0.6866873	0.7944549	0.7154723	0.9148563	0.02805098	0.02805098	grey
0.05254958	0.203824	0.4894333	0.674435	0.08508844	0.4391071	0.6549504	0.6549504	grey
0.04581926	0.6686578	0.01290412	0.2041781	0.2664282	0.00559162	0.1312967	0.1312967	turquoise
0.1843992	0.7496667	0.3426347	0.0201407	0.00887667	0.407906	0.1102901	0.1102901	turquoise
0.5124382	0.5702725	0.303217	0.4213256	0.766614	0.5771409	0.2645293	0.2645293	blue
0.9476249	0.6362029	0.7456037	0.1102106	0.6282881	0.3005937	0.357146	0.357146	turquoise
0.04920718	0.7850991	0.970885	0.0587642	0.3348718	0.7130837	0.00869607	0.00869607	blue
0.9208669	0.02043118	0.02504108	0.169953	0.8675794	0.8598184	8.01E-12	8.01E-12	brown
0.6481232	0.2845621	0.7221139	0.1195308	0.7722924	0.02641883	0.02012531	0.02012531	turquoise
0.1329006	0.03361296	0.4406317	0.812311	0.304023	0.1315751	1.38E-10	1.38E-10	brown
0.4807369	0.1413346	0.4739654	0.1760455	0.3852499	0.5244539	2.11E-06	2.11E-06	grey
0.02047585	0.01086163	0.4138113	0.1252267	0.7216196	0.08710354	0.00052146	0.00052146	turquoise
0.246561	0.01775862	0.8364611	0.9694452	0.9357232	0.9572397	0.01037331	0.01037331	grey
0.09332823	0.1766085	0.8536074	0.5954899	0.02841356	0.3474001	0.9408978	0.9408978	grey
0.7184791	0.340387	0.1204855	0.1992528	0.5012512	0.5445101	0.3504096	0.3504096	grey
0.6107761	0.1368433	0.8038181	0.2124927	0.7270918	0.5516306	0.00051997	0.00051997	turquoise
0.7942206	0.7398463	0.00013216	0.4148221	0.4971394	0.09659428	0.02014067	0.02014067	green
0.6484594	0.8965028	0.04667882	0.3519799	0.7550722	0.08100814	0.1102268	0.1102268	grey
0.1516144	0.6814326	0.2483901	0.5888294	0.4446637	0.6761814	0.9437402	0.9437402	turquoise
0.2379458	0.662518	0.4703387	0.1046082	0.7351951	0.07114132	0.01211114	0.01211114	grey
0.1423328	0.8516992	0.1928401	0.5182957	0.6647541	0.9072253	0.2485313	0.2485313	turquoise
0.1713766	0.2722247	0.8872542	0.3575994	0.2553338	0.741301	4.75E-06	4.75E-06	grey
0.9051749	0.9124665	0.00609936	0.0903126	0.858226	0.063494	0.02771028	0.02771028	turquoise
0.2720188	0.8312317	0.0580805	0.3725044	0.5500928	0.7639492	0.4363177	0.4363177	turquoise
0.9330888	0.07544582	0.2001066	0.2768039	0.22573	0.5227448	0.03915994	0.03915994	turquoise
0.1263923	0.00249252	0.3778037	0.2442039	0.2389328	0.7555309	0.4347443	0.4347443	grey
0.9722371	0.04301768	0.1396061	0.5833369	0.8005642	0.2827382	4.37E-05	4.37E-05	grey
0.3480031	0.5642474	0.2402593	0.0444311	0.8029632	0.03705551	0.00078368	0.00078368	turquoise
0.1305987	0.3945168	0.9508981	0.2849265	0.2686672	0.8062908	0.0704336	0.0704336	turquoise
0.03577213	0.2369804	0.7427693	0.7001129	0.4986391	0.2998471	0.0347838	0.0347838	grey
0.1318593	0.3007362	0.00671296	0.457218	0.2357751	0.6872951	0.00736019	0.00736019	tan
0.1469465	0.3259844	0.8476195	0.7046209	0.6033947	0.1215068	0.5486618	0.5486618	turquoise
0.02796951	0.7316798	0.4569991	0.8606461	0.6289437	0.4156889	0.00243865	0.00243865	grey
0.2283216	0.1329082	0.2809288	0.8303495	0.7053158	0.3791278	0.2763708	0.2763708	blue
0.2517215	0.2963213	0.6943231	0.298256	0.09352896	0.7574636	0.10012	0.10012	grey
0.5166324	0.05103721	0.8670108	0.8269756	0.8086179	0.3134422	1.92E-09	1.92E-09	blue
0.6893097	0.4700034	0.7923269	0.6913821	0.880596	0.6027948	0.01917011	0.01917011	grey
0.02411129	0.7509051	0.05484382	0.5325117	0.5331182	0.5375095	0.7533966	0.7533966	grey
0.8067044	0.4515804	0.09958531	0.0609616	0.2374865	0.2527641	7.58E-07	7.58E-07	turquoise
0.1774328	0.5925843	0.7249785	0.7716989	0.1129539	0.8498736	0.02489194	0.02489194	turquoise
0.6348377	0.6746592	0.00244541	0.051332	0.3322044	0.153243	0.00368868	0.00368868	turquoise
0.754544	0.06787651	0.7525949	0.8523748	0.5918574	0.4046831	0.00577341	0.00577341	grey
0.7157674	0.1576385	3.55E-05	0.7807677	0.9460296	0.2935106	0.00057162	0.00057162	tan
0.00240537	0.02394677	0.5108293	0.1377138	0.5873165	0.0667508	1.31E-05	1.31E-05	blue
0.5703726	0.9323084	0.5754007	0.178419	0.2118927	0.319824	0.8283225	0.8283225	grey

0.2469627	0.4266623	0.09501032	0.1165224	0.531541	0.7667105	3.98E-22	3.98E-22	yellow
0.9230438	0.3985279	0.1323816	0.9399195	0.5684372	0.02709497	3.36E-06	3.36E-06	blue
0.5747916	0.0114255	0.879447	0.083038	0.9421589	0.3249869	2.16E-05	2.16E-05	blue
0.5138527	0.00085646	1.86E-05	0.0445938	0.5049691	0.1948961	1.32E-29	1.32E-29	yellow
0.00129396	0.3704751	0.1723219	0.442363	0.4387156	0.9883896	0.7946782	0.7946782	grey
0.1419402	0.00991141	0.9642383	0.9637275	0.6297112	0.4503365	1.90E-09	1.90E-09	blue
0.04413321	0.4982033	0.7770281	0.923573	0.8819533	0.466846	0.7681657	0.7681657	black
0.3505192	0.01941235	0.2630848	0.5653563	0.7624201	0.03701528	0.00022243	0.00022243	grey
0.966691	0.7343229	0.00445491	0.4429775	0.6382446	0.165749	0.1709945	0.1709945	turquoise
0.6961217	0.01572518	0.7442875	0.631034	0.6253587	0.788627	0.00320761	0.00320761	brown
0.8189801	0.9562801	0.1067387	0.0390179	0.8228381	0.4104084	0.2936268	0.2936268	pink
0.985913	0.9413731	0.08738359	0.8837611	0.9205827	0.8942513	0.6163839	0.6163839	grey
0.6509174	0.3191512	0.3449622	0.614327	0.1684781	0.01320483	1.24E-06	1.24E-06	blue
0.06402772	0.7004683	0.9409213	0.740258	0.6539912	0.7799608	0.05611403	0.05611403	turquoise
0.3398519	0.4384808	0.05891551	0.2667845	0.7109936	0.1504667	0.06322379	0.06322379	darkgrey
0.2444664	0.1835255	0.3163593	0.8202297	0.6930071	0.08474751	0.00086833	0.00086833	turquoise
0.07840229	0.6509102	0.1117701	0.154527	0.9354556	0.347147	0.2555868	0.2555868	grey
0.02087265	0.1326307	0.3927016	0.835222	0.04886637	0.2548862	0.0218101	0.0218101	turquoise
0.04943801	0.00203675	0.8527507	0.7598265	0.8692241	0.5302735	1.58E-06	1.58E-06	turquoise
0.423866	0.08412973	0.9070327	0.9358433	0.1278323	0.321938	0.5186166	0.5186166	grey
0.9895889	0.5826121	0.7186947	0.5399207	0.2164058	0.2999826	0.3203419	0.3203419	grey
0.2716936	0.0380062	0.1821221	0.7672161	0.8387169	0.3317401	7.48E-05	7.48E-05	blue
0.1843416	0.6035312	0.5807189	0.2727447	0.9333807	0.09881839	0.4193014	0.4193014	grey
0.08687932	0.3030992	0.2732545	0.4827047	0.3145012	0.2212088	0.03904253	0.03904253	turquoise
0.1806557	0.4770398	0.3429248	0.8734899	0.1992182	0.849898	0.00557396	0.00557396	turquoise
0.2504954	0.6707808	0.01251406	0.4062912	0.3143912	0.09761817	0.122089	0.122089	turquoise
0.82093	0.9458419	0.8679711	0.2897611	0.1516796	0.8702751	0.5705563	0.5705563	grey
0.2039412	0.07322425	0.3458908	0.4048928	0.7802788	0.1833026	0.04409447	0.04409447	grey
0.3235419	0.3402468	0.2491303	0.1209946	0.4403545	0.2306559	4.09E-11	4.09E-11	yellow
0.3596251	0.113661	0.04807955	0.933438	0.5541511	0.7586786	7.74E-05	7.74E-05	brown
0.7990635	0.1778079	0.00379637	0.8764682	0.3741685	0.154278	0.2490114	0.2490114	blue
0.4349839	0.1439543	0.5497231	0.4009552	0.9449729	0.6751585	0.0023455	0.0023455	turquoise
0.8102268	0.05151394	0.7246481	0.3933951	0.6097278	0.5420984	0.3942906	0.3942906	grey
0.2543017	0.05006984	0.7645763	0.7176697	0.953568	0.4889132	2.24E-05	2.24E-05	blue
0.7259214	0.4832584	0.4398535	0.5107064	0.1515888	0.5809409	0.00096471	0.00096471	turquoise
0.1631637	0.1965421	0.01583944	0.451551	0.3324088	0.08361267	0.02695105	0.02695105	turquoise
0.8527641	0.05874082	0.3354054	0.9711687	0.4414628	0.07869307	8.60E-07	8.60E-07	brown
0.773229	0.1955545	0.2084085	0.0528006	0.5288014	0.1475674	0.00028362	0.00028362	grey
0.425802	0.3099569	0.5360908	0.2341971	0.8021498	0.3737526	0.2233929	0.2233929	grey
0.1982672	0.00483699	0.3015049	0.311773	0.4859689	0.8432047	8.88E-06	8.88E-06	green
0.3442447	0.1592406	0.00147133	0.2061354	0.8444771	0.6385261	0.00060813	0.00060813	brown
0.3333675	0.00026197	0.01183073	0.0956403	0.35197	0.4700763	8.44E-20	8.44E-20	brown
0.9797719	0.02553614	0.01184142	0.8628212	0.8805831	0.593387	1.21E-20	1.21E-20	yellow
0.05099779	0.1058167	0.01061665	0.0520298	0.6813652	0.1057104	0.2432079	0.2432079	turquoise
0.09134641	0.878761	0.0013476	0.0489698	0.4096114	0.05210429	0.06569992	0.06569992	turquoise
0.06759765	0.7486591	0.2760703	0.4480792	0.5854663	0.9601651	0.07087385	0.07087385	grey
0.5451123	0.6772854	0.01718527	0.0194217	0.3066474	0.09977135	0.1540303	0.1540303	turquoise
0.1570897	0.06064558	0.04088899	0.8779435	0.4615174	0.5217115	8.40E-06	8.40E-06	grey
0.1558006	0.3904174	0.9103179	0.3323958	0.8308695	0.815065	1.92E-07	1.92E-07	grey
0.5890955	0.3102755	0.00047734	0.7067081	0.4874518	0.1517297	0.3195006	0.3195006	green
0.8702515	0.5882805	0.09599088	0.5910873	0.9477705	0.2209588	0.1387226	0.1387226	turquoise
0.9598148	0.9025794	0.1313162	0.6166374	0.3298333	0.2293452	2.65E-06	2.65E-06	yellow
0.1833965	0.1969736	0.03757969	0.841357	0.3973976	0.2278228	0.00427048	0.00427048	grey
0.2637714	0.3516765	0.1019185	0.5448498	0.6386272	0.1720958	4.33E-05	4.33E-05	turquoise
0.3268291	0.147612	0.6827335	0.2569694	0.674823	0.4910371	0.00141241	0.00141241	turquoise
0.5795238	0.2494078	0.08964436	0.3467291	0.5997202	0.9834363	0.00160813	0.00160813	yellow
0.7532336	0.6468607	0.8856909	0.3565757	0.8436816	0.06953607	0.00114553	0.00114553	turquoise
0.7437218	0.6514487	0.5778148	0.1371967	0.3167526	0.1642348	0.00201766	0.00201766	grey
0.2875461	0.2955605	0.1999213	0.2643232	0.1886717	0.668304	0.03194654	0.03194654	blue
0.6802529	0.9277706	0.03711708	0.5278189	0.6762744	0.1814702	0.09752378	0.09752378	grey
0.03515588	0.3251666	0.302065	0.5845306	0.00871262	0.413289	0.9951509	0.9951509	turquoise

0.5778446	0.8527834	0.1478314	0.8503909	0.4950831	0.3338774	0.3746087	0.3746087	turquoise
0.1612721	0.1073514	0.1566339	0.6695422	0.3366738	0.5377717	0.00075823	0.00075823	grey
0.8033736	0.9268303	0.00667542	0.9355651	0.8364682	0.4766476	0.5841587	0.5841587	turquoise
0.3679486	0.04779189	0.1338276	0.8887367	0.9215467	0.9163043	0.0179429	0.0179429	grey
0.9843501	0.2316281	0.09115982	0.6536502	0.1942944	0.1030497	0.3470848	0.3470848	turquoise
0.4423987	0.3120376	0.3613509	0.9283642	0.2023532	0.9603745	3.75E-06	3.75E-06	brown
0.8563432	0.1790616	0.4445329	0.8900429	0.753586	0.1751727	0.03221307	0.03221307	blue
0.7970528	0.4739208	0.02057579	0.1948993	0.9920091	0.02964879	0.01137268	0.01137268	turquoise
0.4049253	0.2808216	0.004355	0.1103838	0.9194398	0.1125544	0.01964645	0.01964645	turquoise
0.661558	0.8947003	0.01864222	0.4662071	0.8909332	0.3051929	0.04434166	0.04434166	grey
0.4417936	0.03728583	0.00519769	0.5747601	0.8910772	0.3549244	0.00095545	0.00095545	turquoise
0.3031903	0.1809303	0.8098413	0.2276583	0.7303372	0.9993995	2.31E-06	2.31E-06	grey
0.1976307	0.3890647	0.10107	0.546149	0.8644662	0.197168	0.01866327	0.01866327	green
0.5396216	0.4393476	0.2169834	0.9426634	0.5136243	0.8915144	0.03496246	0.03496246	grey
0.09708169	0.9888726	0.00226014	0.9345361	0.3404202	0.07109317	0.00498436	0.00498436	blue
0.7517503	0.7168078	0.0319971	0.2452272	0.934814	0.2133823	0.04963386	0.04963386	turquoise
0.8561149	0.6546404	0.08928506	0.2522151	0.6609772	0.0116093	0.135778	0.135778	white
0.5179266	0.6914963	0.4811848	0.7793291	0.4676226	0.3551468	8.59E-09	8.59E-09	yellow
0.5470208	0.6285985	0.287335	0.63427	0.8837767	0.7531044	0.6810753	0.6810753	midnightblue
0.243866	0.2558065	0.1811811	0.5917295	0.5311724	0.8673182	0.01034136	0.01034136	midnightblue
0.4751184	0.0269341	1.60E-05	0.0736328	0.9476962	0.6042587	1.52E-10	1.52E-10	brown
0.2700871	0.4470279	0.01700686	0.1125985	0.5332404	0.1359051	0.00036559	0.00036559	grey
0.02529598	0.7468129	0.03912314	0.7084794	0.5519419	0.3793416	0.00139624	0.00139624	blue
0.5095448	0.9700839	0.2505901	0.8952561	0.558724	0.3426546	0.102304	0.102304	turquoise
0.6610133	0.5564675	0.4531746	0.096604	0.9620559	0.0033191	0.6573833	0.6573833	grey
0.6370834	0.4398425	0.01063589	0.1488017	0.8537052	0.01869401	0.5515662	0.5515662	turquoise
0.9524941	0.2176466	0.2078286	0.7819465	0.4154977	0.8240413	0.02061666	0.02061666	cyan
0.263616	0.2559157	0.671049	0.3431384	0.4175219	0.1313008	0.1031192	0.1031192	darkorange
0.8456211	0.8630874	0.3346814	0.6141519	0.5570477	0.2863563	0.6022774	0.6022774	blue
0.5367523	0.6349836	0.05531368	0.0905497	0.4802029	0.6784364	0.3497569	0.3497569	turquoise
0.5439837	0.9335716	0.08529628	0.1088073	0.871899	0.0061225	0.00442205	0.00442205	blue
0.9768292	1.44E-05	0.8753316	0.39127	0.8810724	0.6450609	0.3169752	0.3169752	grey
0.5695119	0.2326464	0.8498711	0.6422185	0.9178172	0.5888221	0.00249494	0.00249494	grey
0.5026095	0.04310609	0.8783237	0.3674657	0.043407	0.8163529	0.7129153	0.7129153	grey
0.8889762	0.2652909	0.8320878	0.6721699	0.952092	0.3022334	3.01E-05	3.01E-05	blue
0.1099469	0.6715633	0.5217057	0.5818682	0.5851114	0.195715	0.00983323	0.00983323	turquoise
0.7903922	0.1225097	0.4709631	0.7956753	0.4512169	0.1950014	0.03034256	0.03034256	grey
0.5417166	0.7786095	0.2637456	0.1419577	0.9840145	0.6977446	0.3472762	0.3472762	grey
0.008942	0.3816312	0.4422482	0.3004253	0.3954684	0.1297426	0.6641047	0.6641047	turquoise
0.05590332	0.2799832	0.5949138	0.4836552	0.5040884	0.1389169	0.2655603	0.2655603	turquoise
0.2726286	6.26E-05	0.0023013	0.2560967	0.4753007	0.6795403	8.48E-12	8.48E-12	brown
0.02565519	0.3402645	0.0778771	0.2529202	0.03962837	0.2629487	0.7455393	0.7455393	grey
0.5496754	0.04976177	0.3305621	0.5986793	0.6143798	0.1238459	2.20E-09	2.20E-09	brown
0.2650209	0.847989	0.9195383	0.692668	0.9217677	0.2596987	0.9401326	0.9401326	grey
0.8966237	0.0007808	0.00730247	0.0675426	0.8363801	0.1177994	1.60E-07	1.60E-07	brown
0.2212892	0.8495578	0.9813476	0.5520778	0.7667589	0.9935571	0.07580374	0.07580374	grey
0.9151682	0.3927022	0.7321669	0.4289928	0.9373522	0.9726362	0.6092161	0.6092161	grey
0.05161399	0.4685415	0.1030117	0.5800191	0.6480371	0.3037479	0.1000288	0.1000288	turquoise
0.6631959	0.5255709	0.02724061	0.5849289	0.3697494	0.2636619	0.01832906	0.01832906	turquoise
0.2433437	0.5225506	0.00013854	0.113937	0.96442	0.1579603	0.01420327	0.01420327	green
0.03094451	0.6653143	0.6483197	0.539795	0.7527884	0.3391798	0.02393883	0.02393883	grey
0.4516025	0.4258276	0.00349917	0.324081	0.4848682	0.8946453	9.36E-17	9.36E-17	lightgreen
0.2613967	0.06916173	0.3606621	0.3878273	0.5793959	0.6960948	1.82E-09	1.82E-09	yellow
0.9163062	0.7368878	0.04210737	0.5853321	0.5223793	0.3161708	0.2263359	0.2263359	grey
0.4704431	0.5652817	0.2297529	0.6661657	0.2224012	0.6683494	0.1823699	0.1823699	grey
0.9304162	0.03057573	0.5871481	0.8995901	0.8102876	0.7810893	1.32E-05	1.32E-05	darkturquoise
0.8659355	0.1998714	0.3279034	0.3559867	0.7592419	0.4212326	0.00010155	0.00010155	grey
0.05142089	0.7357848	0.1003572	0.1113746	0.6664053	0.8747403	0.00445843	0.00445843	blue
0.08012452	0.08500522	0.133607	0.5289192	0.6210397	0.9548769	0.1023508	0.1023508	darkturquoise
0.2937567	0.1974064	0.01980982	0.1918023	0.6263793	0.1346862	0.02163344	0.02163344	green
0.8592244	0.04999619	0.02874219	0.4211792	0.1180074	0.5655594	2.50E-05	2.50E-05	brown

0.01755005	0.2005551	0.5054734	0.9079017	0.00017845	0.5348151	0.00263627	0.00263627	grey
0.8099834	0.1726382	0.2428554	0.2208285	0.3621988	0.2724259	0.00034436	0.00034436	brown
0.2013417	0.00029267	0.4140175	0.8380033	0.2499293	0.8031004	0.00340702	0.00340702	blue
0.1039606	0.7317404	0.5566393	0.6562478	0.3795243	0.4826914	0.0003639	0.0003639	turquoise
0.8644989	0.2855869	0.5267914	0.6910695	0.8778191	0.9268579	1.33E-05	1.33E-05	green
0.5098585	0.1014732	0.3933114	0.7419901	0.6671962	0.5871887	0.03347885	0.03347885	grey
0.7748259	0.113495	0.9085335	0.5267705	0.3206676	0.07988311	1.38E-06	1.38E-06	blue
0.8750187	0.9898342	0.1325746	0.782881	0.4476021	0.1404773	0.00364288	0.00364288	turquoise
0.4502784	0.5123262	0.5899703	0.44158	0.6794819	0.5112241	0.165276	0.165276	turquoise
0.7560846	0.4275593	0.1311601	0.6898694	0.6586272	0.6527629	4.47E-20	4.47E-20	yellow
0.5647123	0.143778	0.741097	0.8227671	0.05734496	0.8314995	0.5332032	0.5332032	turquoise
0.3500062	0.7061615	0.1400621	0.9649456	0.8947253	0.8060629	0.00629691	0.00629691	turquoise
0.1054179	0.06474946	0.0778755	0.3929889	0.1494708	0.09762742	0.00020103	0.00020103	grey
0.6174228	0.6446885	0.3595137	0.1724046	0.8853395	0.2923792	0.5869115	0.5869115	grey
0.3215143	0.7355921	0.00941167	0.3780642	0.6275598	0.04820802	0.00718126	0.00718126	turquoise
0.2384713	0.974803	0.01101146	0.3869134	0.8763714	0.111556	0.249151	0.249151	turquoise
0.6658749	0.7204657	0.9444397	0.0868559	0.308603	0.9633928	0.3300699	0.3300699	blue
0.8562295	0.00422597	0.09935911	0.2222282	0.6343848	0.2221347	0.00685034	0.00685034	turquoise
0.1073845	0.9693665	0.7416238	0.4899761	0.1506583	0.685609	0.1222666	0.1222666	grey
0.04425046	0.8218969	0.6911366	0.0442232	0.5792318	0.07143122	0.9956939	0.9956939	grey
0.7064146	0.537645	0.4229528	0.6735489	0.3920192	0.7756012	0.0001318	0.0001318	grey
0.4698291	0.1859914	0.6501369	0.0145989	0.8042873	0.3394799	0.1936482	0.1936482	grey
0.4226646	0.8199559	0.2908218	0.9609152	0.7749278	0.2244556	0.1198514	0.1198514	grey
0.3152096	0.6566038	0.6475183	0.7276143	0.7959089	0.9996641	0.5745543	0.5745543	grey
0.2515753	0.1766711	0.2337734	0.6515876	0.690522	0.5928636	2.73E-08	2.73E-08	grey
0.6156677	0.3697787	0.09391058	0.6958725	0.3112236	0.6532155	0.5293485	0.5293485	green
0.1466423	0.2918136	0.6083097	0.9319001	0.5651332	0.6678703	0.00022292	0.00022292	black
0.9410646	0.8920796	0.1624288	0.3498981	0.1623339	0.07127256	0.6057851	0.6057851	turquoise
0.5180274	0.9518172	0.01824784	0.2589333	0.5377115	0.03901284	8.81E-06	8.81E-06	green
0.5374272	0.0579807	0.3649803	0.6442373	0.01227418	0.9367621	0.03730358	0.03730358	grey
0.5609433	0.3113557	0.01358177	0.1075847	0.3837475	0.00267519	0.07011922	0.07011922	turquoise
0.8717013	0.4578178	0.4485099	0.3907703	0.4771299	0.0369721	0.3474915	0.3474915	grey
0.4915851	0.00537482	0.04627473	0.4039892	0.8107498	0.4641983	1.32E-12	1.32E-12	brown
0.4775352	0.3848497	0.01131459	0.3086844	0.6925726	0.2847133	0.00025919	0.00025919	green
0.4571717	0.8897542	0.1541609	0.5089829	0.6535004	0.1097316	0.01754615	0.01754615	grey
1.86E-07	0.5240184	0.00082757	0.9754209	0.4125637	0.1603734	0.6098234	0.6098234	turquoise
0.3632255	0.04797361	0.0471996	0.5714624	0.16351	0.563542	0.00293351	0.00293351	grey
0.1600849	0.6719087	0.06128052	0.7326873	0.9100658	0.0991633	0.3797095	0.3797095	green
0.1823863	0.1877631	0.1300112	0.0417585	0.5347802	0.6546748	0.9826111	0.9826111	grey
0.176874	0.00157143	0.08821339	0.8803727	0.2531244	0.3101784	0.00286446	0.00286446	grey
0.7296675	0.6782318	0.6867029	0.9801415	0.778046	0.4738974	0.3600701	0.3600701	grey
0.3456734	0.7307753	0.4214417	0.560986	0.04495173	0.164175	0.00259138	0.00259138	grey
0.4127975	0.5552215	0.09772497	0.8801241	0.6398426	0.1231438	0.5899689	0.5899689	turquoise
0.3918147	0.9182303	0.03781129	0.0790951	0.4059302	0.4225035	0.00072193	0.00072193	grey
0.3718573	0.840659	0.1360335	0.9512941	0.831198	0.2262723	0.03314092	0.03314092	black
0.911515	0.6560076	0.2097473	0.301849	0.8520508	0.8314172	0.3812836	0.3812836	grey
0.1542853	0.9655013	0.7049759	0.9904286	0.1504297	0.5244935	0.7512641	0.7512641	grey
0.5700093	0.340909	0.07778481	0.410308	0.9553871	0.4531419	0.755935	0.755935	turquoise
0.740556	0.00560437	0.1002328	0.2932159	0.1492447	0.1517163	0.00022148	0.00022148	turquoise
0.58251	0.2165739	0.3320344	0.3699552	0.2546915	0.4058622	2.33E-07	2.33E-07	green
0.8343117	0.3863644	0.5890391	0.7823197	0.1035486	0.3997279	0.020193	0.020193	blue
0.7103017	0.07825031	0.8468392	0.6885728	0.9126532	0.5171971	0.0039873	0.0039873	turquoise
0.8034901	0.2498584	0.2173634	0.7922451	0.5433201	0.4263111	0.0001991	0.0001991	turquoise
0.6474254	0.4601829	0.6873836	0.7679341	0.1115757	0.5802045	0.4845137	0.4845137	turquoise
0.4234869	0.4573749	0.00131126	0.7599694	0.8292509	0.6911555	4.87E-08	4.87E-08	brown
0.613464	0.5948494	0.301029	0.0635834	0.7147372	0.1657673	0.9939067	0.9939067	turquoise
0.08141033	0.3760101	0.7003889	0.3957429	0.1549851	0.9778961	0.5475494	0.5475494	turquoise
0.7850511	0.3847142	0.5277689	0.6549386	0.2670001	0.835301	0.9268073	0.9268073	turquoise
0.0449976	0.4874835	0.00967251	0.0725179	0.8679255	0.08917725	0.01118942	0.01118942	grey
0.8756087	0.1449158	0.2848683	0.160006	0.271883	0.2002729	0.8689043	0.8689043	grey
0.08327598	0.02956983	0.5643025	0.0895078	0.1127336	0.8815877	0.9007827	0.9007827	blue

0.01746737	0.2901612	0.9668941	0.7220116	0.06858985	0.9926826	0.4138305	0.4138305	turquoise
2.57E-26	0.02714925	0.6455353	0.0453202	0.8384185	0.545918	0.2700948	0.2700948	grey
0.8926353	0.2950453	0.5747222	0.7941182	0.5792806	0.371492	0.03967195	0.03967195	blue
0.6809358	0.6834282	0.5239104	0.1921694	0.7314902	0.2600954	0.9958276	0.9958276	grey
0.2085796	0.00046125	0.06313612	0.3245691	0.3551088	0.5660364	1.74E-12	1.74E-12	brown
0.4101928	0.1820363	0.6936852	0.4989386	0.8235994	0.9891019	0.00104145	0.00104145	salmon
0.4708542	0.530019	0.1991215	0.2377537	0.4366812	0.2650519	0.09093244	0.09093244	turquoise
0.5709159	0.8952826	0.00852497	0.112259	0.9802002	0.04036108	0.00694273	0.00694273	turquoise
0.09370876	0.01294996	0.2096465	0.6539447	0.1565776	0.4305157	4.07E-06	4.07E-06	blue
0.4648428	0.8121525	0.4027147	0.257714	0.8733897	0.4806476	0.090526	0.090526	grey
0.682822	0.04202789	0.02579007	0.0812619	0.5093976	0.2935536	2.04E-10	2.04E-10	yellow
0.8291502	0.7746673	0.3341178	0.3950566	0.08027825	0.5306118	0.4095957	0.4095957	blue
0.9339499	0.3529696	0.1027651	0.8589149	0.8738869	0.2365588	0.223368	0.223368	red
0.6648819	0.4631334	0.6040213	0.3211787	0.8841961	0.8143635	0.8775866	0.8775866	grey
0.6322911	0.3699559	0.7637428	0.8797197	0.985202	0.7307996	0.1554414	0.1554414	blue
0.5078064	0.963514	0.9962469	0.7899192	0.6736879	0.4451171	0.7975506	0.7975506	blue
0.4807232	0.8307032	0.01641436	0.6591883	0.9217864	0.186518	0.00843739	0.00843739	turquoise
0.01759507	0.2700527	0.5319777	0.5930372	0.8638876	0.3928864	0.06242538	0.06242538	turquoise
0.05964653	0.4230308	0.47427	0.8540582	0.6966489	0.637068	0.3559244	0.3559244	lightgreen
0.860643	0.440851	0.9922021	0.4271969	0.3193882	0.07829865	0.773813	0.773813	blue
0.9346277	0.149112	0.4738035	0.7090217	0.663482	0.504338	0.0017125	0.0017125	blue
0.3672294	0.9056078	0.00534699	0.4598728	0.1474122	0.821364	3.23E-09	3.23E-09	yellow
0.4566983	0.3687269	0.3164177	0.1226922	0.5517737	0.9539956	0.2176951	0.2176951	grey
0.3624508	0.0399079	0.06067669	0.4991325	0.6756458	0.2136854	0.1815212	0.1815212	grey
0.218648	0.03912721	0.03103512	0.4024432	0.9017427	0.5427718	6.29E-06	6.29E-06	turquoise
0.9979232	0.04480829	0.4851683	0.7543066	0.6237647	0.5565828	0.01266465	0.01266465	turquoise
0.5262671	0.6473598	0.0005488	0.067458	0.2196835	0.1172114	0.00036188	0.00036188	yellow
0.5651344	0.6512211	8.92E-05	0.033314	0.6923401	0.3676934	7.47E-09	7.47E-09	magenta
0.00516587	0.08183215	0.9064642	0.8698409	0.526225	0.9557347	0.00216026	0.00216026	blue
0.134422	0.2469111	0.00081912	0.0635029	0.1976541	0.06085942	0.00129938	0.00129938	green
0.8077036	0.7122452	0.03866865	0.775927	0.5512156	0.1313382	0.5564876	0.5564876	grey
0.9117162	0.04340434	0.972723	0.88728	0.1820448	0.9186876	0.03254858	0.03254858	turquoise
0.9060701	0.7854117	0.00022054	0.0960819	0.4984894	0.2897958	0.1531637	0.1531637	turquoise
0.4203703	0.03341168	0.03456448	0.9037585	0.6632445	0.8036319	5.32E-22	5.32E-22	yellow
0.3167343	0.2485335	0.2714498	0.6016926	0.450237	0.8616046	8.04E-07	8.04E-07	blue
0.07702569	0.8885989	0.3351336	0.0451505	0.02377566	0.7723077	0.02899957	0.02899957	turquoise
0.3643184	0.00116067	0.07015689	0.3536469	0.609613	0.6915104	2.16E-16	2.16E-16	brown
0.5747688	0.01297067	0.01046738	0.3694153	0.2236721	0.87116	2.14E-09	2.14E-09	green
0.04282613	0.674328	0.9076644	0.3392378	0.9629764	0.5074892	0.7147962	0.7147962	turquoise
0.5270179	0.9638412	0.3945473	0.2694007	0.6301819	0.082098	0.1177742	0.1177742	turquoise
0.5788659	0.5601333	0.2255184	0.8916901	0.4008758	0.02501426	0.00121811	0.00121811	grey
0.6869405	0.2607682	0.8845327	0.8288987	0.666122	0.9063301	9.84E-06	9.84E-06	blue
0.1641043	0.01026194	0.2834833	0.8939734	0.5732694	0.6216738	2.68E-07	2.68E-07	brown
0.04325669	0.7944602	0.9721916	0.1408036	0.8679688	0.9825646	0.8459639	0.8459639	grey
0.03076682	0.8544232	0.63442	0.8054975	0.1221772	0.5856039	0.6201044	0.6201044	grey
0.554873	0.00103906	0.05319534	0.068888	0.4828953	0.08449558	0.9799253	0.9799253	greenyellow
0.2170474	0.00031634	0.2254355	0.8610591	0.8114015	0.8296944	2.76E-05	2.76E-05	blue
0.7086417	0.8867524	0.4523305	0.8950113	0.7764473	0.02177058	0.617696	0.617696	grey
0.5993617	0.00528207	0.00893426	0.189484	0.4450854	0.2705856	1.72E-14	1.72E-14	brown
0.6262836	0.3546776	0.01610394	0.4848277	0.3285325	0.08285593	0.2327966	0.2327966	turquoise
0.3050689	0.984945	0.1541858	0.3442119	0.2942047	0.122578	0.1973145	0.1973145	blue
0.5610442	0.6715112	0.00058668	0.3141531	0.8695945	0.1681956	0.0563024	0.0563024	magenta
0.7553075	0.6981529	0.6388047	0.4187762	0.8785548	0.2154583	0.00302323	0.00302323	grey
0.9406838	0.2982606	0.4549491	0.6736404	0.9132893	0.9240082	0.009435	0.009435	blue
0.8394943	0.1272186	0.8639043	0.3478456	0.3823277	0.951528	0.02151672	0.02151672	grey
0.00501469	0.0265255	0.4387792	0.941309	0.1681939	0.607803	7.39E-07	7.39E-07	grey
0.8039942	0.1605161	0.2843001	0.7146435	0.7075848	0.02361355	0.0030024	0.0030024	turquoise
0.7004741	0.03955289	0.07101496	0.5446339	0.7143772	0.510258	2.30E-06	2.30E-06	turquoise
0.2661753	0.4617481	0.1968733	0.3860177	0.3276891	0.3391463	0.00828526	0.00828526	turquoise
0.8313906	0.3683496	0.1005389	0.5216042	0.6250956	0.8997911	0.1138806	0.1138806	blue
0.02426301	0.7720697	0.3259928	0.630287	0.8421513	0.7187716	0.01842169	0.01842169	grey

0.3858095	0.05555722	0.01449031	0.3981157	0.7961993	0.3111877	0.5993943	0.5993943	turquoise
0.8311622	0.6732081	0.4002512	0.7251037	0.9801421	0.1518447	1.23E-05	1.23E-05	lightgreen
0.5300458	0.8776594	0.00166749	0.2852766	0.6757329	0.3921715	0.00344592	0.00344592	green
0.2611044	0.3841321	0.7664979	0.7507553	0.9742679	0.6184605	0.00583537	0.00583537	blue
0.8029906	0.108315	0.4163016	0.8200647	0.7521764	0.6271115	0.4232513	0.4232513	grey
0.8097242	0.1742695	0.5517246	0.6407493	0.5166068	0.479446	0.5053468	0.5053468	turquoise
0.2088616	0.05380287	0.00149287	0.0626516	0.8027431	0.7528334	5.29E-20	5.29E-20	yellow
0.828849	0.5954955	0.1692132	0.8897271	0.4643647	0.5018533	0.1628233	0.1628233	grey
0.4772594	0.9426003	0.8740052	0.7090305	0.9753767	0.4011449	0.0111901	0.0111901	blue
0.1397462	0.1730516	0.8341333	0.1369794	0.6501829	0.4033849	0.0007217	0.0007217	blue
0.8742531	0.1150265	0.388249	0.3856592	0.7617061	0.3602524	0.01257189	0.01257189	darkgrey
0.1191398	0.32111	0.4361809	0.4302169	0.7703554	0.4157737	0.0705732	0.0705732	green
0.3984604	0.1204095	0.4425037	0.7638596	0.9975534	0.2012414	0.4657721	0.4657721	darkgrey
0.1424765	0.3442459	0.0270439	0.963928	0.3835853	0.329245	0.8594099	0.8594099	turquoise
0.9375357	0.9247501	0.00022897	0.9657668	0.9972078	0.1579499	0.01491461	0.01491461	tan
0.00389167	0.5064373	0.2677482	0.4496004	0.783059	0.1366715	0.09531103	0.09531103	blue
0.8458575	0.04063518	0.1424319	0.7295027	0.4276783	0.322249	1.86E-12	1.86E-12	brown
0.6173525	0.4035234	0.00911897	0.7828709	0.1704571	0.06010057	0.7349169	0.7349169	turquoise
0.9453225	0.9346613	0.3071623	0.4954475	0.03453876	0.255278	0.1062788	0.1062788	grey
0.6491512	0.6872468	0.08557115	0.88193	0.649069	0.2635848	0.5126543	0.5126543	turquoise
0.3864769	0.09384085	0.1050335	0.5932971	0.8081472	0.5059604	5.32E-11	5.32E-11	yellow
0.3271805	0.05002412	0.8831655	0.7257437	0.3580216	0.7888077	2.61E-06	2.61E-06	blue
0.3433771	0.122099	0.07971312	0.4002198	0.948963	0.2981201	0.00253002	0.00253002	blue
0.8940582	0.8419596	0.4148845	0.5332394	0.3818383	0.3116506	0.553253	0.553253	black
0.1578082	0.1636857	0.07099588	0.2633434	0.3412007	0.4149033	0.03191415	0.03191415	blue
0.2816575	0.01108981	0.02329071	0.0301046	0.6911683	0.5556202	3.80E-18	3.80E-18	yellow
0.7726918	0.00281905	0.2493326	0.4495304	0.8458321	0.6625386	0.00010913	0.00010913	grey
0.8859327	0.1662659	0.07604688	0.8806106	0.8121739	0.8027063	0.2191801	0.2191801	turquoise
0.3551066	5.88E-05	0.5545804	0.3813832	0.547061	0.5953604	3.33E-12	3.33E-12	blue
0.05502485	0.3099979	0.7244028	0.1509402	0.6013125	0.8826878	0.7798663	0.7798663	grey
0.5701712	0.7189965	0.1255081	0.3078173	0.5953883	0.1769171	0.9081246	0.9081246	blue
0.5077853	0.698944	0.5736152	0.646918	0.5741462	0.8057115	0.03604366	0.03604366	turquoise
0.8287328	0.2444123	0.1129	0.3079351	0.514628	0.8576415	0.5951469	0.5951469	turquoise
0.8429632	0.7205913	0.9195531	0.7010715	0.4626134	0.6261767	0.9714276	0.9714276	grey
0.1513328	0.2099416	0.9129317	0.5412828	0.9296364	0.383346	0.2004637	0.2004637	blue
0.4057264	0.4248053	0.01896486	0.6665561	0.6385817	0.4228712	0.292203	0.292203	turquoise
0.57886	0.2026096	0.1074072	0.6753858	0.7420695	0.06866546	0.0009214	0.0009214	turquoise
0.9162302	0.00022187	0.02119797	0.8252417	0.07492953	0.04990019	8.48E-09	8.48E-09	brown
0.1669707	0.03345636	0.8935019	0.9724925	0.4334838	0.7219316	0.03288114	0.03288114	grey
0.2241248	0.1834202	0.03045932	0.711021	0.9141652	0.3016843	6.50E-34	6.50E-34	yellow
0.1092456	0.8318454	0.5936514	0.9595904	0.6173674	0.7658082	0.5720065	0.5720065	grey
0.3984352	0.4971007	0.8688406	0.9756726	0.3408499	0.8003417	0.4626572	0.4626572	grey
0.1709644	0.1009655	0.03792285	0.8135939	0.6965206	0.5048314	0.02265126	0.02265126	blue
0.4021694	0.00111672	0.00820638	0.1652875	0.1114255	0.8733609	3.76E-15	3.76E-15	brown
0.7265555	0.6591343	0.02424492	0.4190872	0.3428447	0.06405465	0.9224931	0.9224931	turquoise
0.340301	0.3328661	0.6632351	0.83564	0.6525394	0.8395865	0.5479456	0.5479456	blue
0.304582	0.1390215	0.01366462	0.9615181	0.4173155	0.1483349	0.7827339	0.7827339	turquoise
0.2438407	0.1931469	0.8835229	0.15175	0.4616414	0.5912098	0.06931604	0.06931604	midnightblue
0.4006201	0.09686045	0.296911	0.4569008	0.9187458	0.5689106	8.77E-05	8.77E-05	brown
0.4804603	0.01863506	0.5963056	0.6998933	0.8889995	0.6538312	1.29E-08	1.29E-08	turquoise
0.8716265	0.06126091	0.4341983	0.2425921	0.9252605	0.3230462	0.00089813	0.00089813	blue
0.7333023	0.00736124	0.0514165	0.56258	0.3686107	0.7182241	1.56E-16	1.56E-16	yellow
0.933653	8.32E-05	0.00231962	0.1372396	0.2800461	0.9442815	1.28E-27	1.28E-27	yellow
0.1080985	0.231855	0.0931404	0.9730952	0.7565435	0.9725933	0.1893581	0.1893581	turquoise
0.7937632	0.7149107	0.00363671	0.2771319	0.8510099	0.5745199	0.5609051	0.5609051	turquoise
0.5006947	0.5917673	0.2361742	0.0016131	0.3788978	0.3617424	0.1328839	0.1328839	grey
0.07727043	0.3335926	0.2643813	0.1582449	0.1201193	0.7618723	0.00964046	0.00964046	grey
0.00102715	0.03648037	0.5087257	0.2428543	0.2896972	0.6043814	0.5328715	0.5328715	grey
0.634283	0.6809998	0.2832302	0.0551835	0.654426	0.01341956	0.8983677	0.8983677	turquoise
0.2257643	0.01559672	0.00275844	0.0138304	0.7091808	0.08111896	0.0002277	0.0002277	green
0.3378606	0.0003735	0.1111645	0.1797728	0.5697591	0.2992984	0.08182136	0.08182136	grey

0.6960183	0.00863791	0.5646791	0.6225132	0.3120364	0.2050542	5.89E-07	5.89E-07	grey
0.3471986	0.4107986	0.6723202	0.561177	0.9868259	0.6161527	0.2872914	0.2872914	grey
0.6235492	0.3415621	0.420247	0.3368454	0.4108601	0.7510677	0.2641868	0.2641868	darkgreen
0.7293607	0.01008615	0.6984245	0.230231	0.04857448	0.775839	0.00109221	0.00109221	grey
0.6441745	0.02953776	0.01417492	0.7846013	0.9067539	0.5523394	2.94E-05	2.94E-05	blue
0.1162422	0.03959321	0.1942425	0.7936427	0.9059651	0.8401105	0.192395	0.192395	grey
0.7100902	0.7838826	0.08653125	0.8462966	0.3737456	0.3068738	0.2842049	0.2842049	purple
0.3453636	0.8277526	0.1923332	0.5393676	0.4123039	0.4709886	0.4356178	0.4356178	grey
0.5791144	0.0699289	0.6616338	0.2159109	0.4715907	0.4085749	3.59E-06	3.59E-06	grey
0.1481761	0.7749069	0.01337826	0.0254282	0.6504567	0.06508169	0.00136653	0.00136653	turquoise
0.8359729	0.08989484	0.00278722	0.0864306	0.4261455	0.7597901	2.46E-08	2.46E-08	brown
0.2851737	0.5224513	0.8546676	0.6550752	0.8035199	0.801266	0.03792212	0.03792212	grey
0.5885397	0.6933145	0.5279851	0.0587302	0.5081609	0.202234	0.00464109	0.00464109	grey
0.7426684	0.09223803	0.4464945	0.7974972	0.6134582	0.6776411	0.3889782	0.3889782	white
0.05476045	0.2999623	0.1784359	0.5266576	0.59684	0.5255813	0.0550864	0.0550864	grey
0.727859	0.8157718	2.55E-05	0.0550287	0.2734288	0.01179383	0.6661093	0.6661093	turquoise
0.3668861	0.9970932	0.1190272	0.2257593	0.4917036	0.2581656	0.9082803	0.9082803	greenyellow
0.3707959	0.5054547	0.3834092	0.2369301	0.7016771	0.8317481	0.3709421	0.3709421	midnightblue
0.2493963	0.4835787	0.7178738	0.5384654	0.04295803	0.4107838	0.00346569	0.00346569	turquoise
0.2042959	0.5920301	0.06474774	0.4996912	0.5397971	0.09858809	0.07833411	0.07833411	turquoise
0.6435531	0.01444903	0.00674874	0.284958	0.5850159	0.4156316	0.0027038	0.0027038	blue
0.9041774	0.4021859	0.2236079	0.4814543	0.5376957	0.8732543	0.8335443	0.8335443	grey
0.8309616	0.5875004	0.00390245	0.0337458	0.1809351	0.03771208	0.7487757	0.7487757	turquoise
0.5166186	0.1215768	0.351052	0.8124245	0.00586585	0.5074557	0.5659568	0.5659568	grey
0.0040442	0.9989265	0.4530128	0.0223546	0.5378601	0.07982775	0.00930363	0.00930363	grey
0.594261	0.3343847	0.270285	0.9809153	0.249991	0.1008835	0.03154959	0.03154959	turquoise
0.07235003	0.00281326	0.8170523	0.9114918	0.2913987	0.304845	0.750178	0.750178	turquoise
0.4150667	0.476711	0.7639064	0.5486448	0.9239152	0.5805821	0.00330267	0.00330267	turquoise
0.7116187	0.3288804	0.5214706	0.9181821	0.7356419	0.4132426	0.02599405	0.02599405	grey
0.9997923	0.2785406	0.4080197	0.1449789	0.551007	0.9197142	0.00054033	0.00054033	grey
0.6761499	0.04053319	0.4463575	0.1026395	0.7440717	0.2031165	0.00175301	0.00175301	grey
0.9416982	0.8816246	0.00078508	0.1232836	0.90979	0.1100311	0.01298437	0.01298437	turquoise
0.636136	0.5730441	0.0700857	0.096331	0.9726648	0.09499045	0.5179462	0.5179462	turquoise
0.2550652	0.8226059	0.03270095	0.4165804	0.9192634	0.3737691	0.3191721	0.3191721	red
0.9482321	0.21265	0.3456322	0.8848058	0.08563434	0.8985738	0.00068364	0.00068364	blue
0.6986243	0.2509062	0.7459996	0.1444492	0.7776753	0.6469175	0.2095855	0.2095855	pink
0.03525319	0.1285701	0.05982866	0.2867761	0.03108811	0.8372973	1.88E-07	1.88E-07	blue
0.1404357	0.6828061	0.1084667	0.5244318	0.7393909	0.1799425	0.2189255	0.2189255	blue
0.2621139	0.738458	0.2859679	0.0285828	0.1484389	0.00399017	0.1558819	0.1558819	grey
0.5550169	0.4022869	0.00043894	0.1127494	0.6349582	0.04163539	3.53E-09	3.53E-09	yellow
0.9150494	0.196027	0.1020826	0.370957	0.9411467	0.7911003	0.1815775	0.1815775	turquoise
0.6969895	0.00059289	0.00115496	0.0860761	0.4290183	0.3908939	1.29E-20	1.29E-20	yellow
0.9043271	0.0295838	0.7683919	0.2957242	0.7566365	0.4677587	0.00370607	0.00370607	pink
0.1105975	0.3844522	0.09720539	0.2568126	0.6597972	0.129615	0.04622256	0.04622256	turquoise
0.3462995	0.1542992	0.05755935	0.1943102	0.4589516	0.107159	0.0233518	0.0233518	blue
0.6723524	0.797283	0.09269762	0.0087744	0.3516037	0.05385176	0.03758635	0.03758635	grey
0.5964768	0.3681456	0.01801569	0.2354518	0.7670124	0.09624419	0.00594954	0.00594954	green
0.5435276	0.2166396	0.00448349	0.5366741	0.9855824	0.1795006	0.00017601	0.00017601	brown
0.1073442	0.2184053	0.7271526	0.5120412	0.7711902	0.6653116	0.4374128	0.4374128	red
0.9369446	0.3800536	0.06323159	0.6212049	0.5613387	0.7038809	2.17E-05	2.17E-05	green
0.6390728	0.4138069	0.9649494	0.9483632	0.4936302	0.5074085	0.8416055	0.8416055	turquoise
0.05340079	0.5479645	0.6746454	0.4779906	0.755539	0.4701655	0.00084092	0.00084092	turquoise
0.3610945	0.7587658	0.962669	0.8586261	0.9608816	0.9023423	0.2768208	0.2768208	midnightblue
0.4079327	0.00161898	0.4915453	0.0868339	0.4303085	0.4818709	4.16E-10	4.16E-10	brown
0.5694237	0.5678576	0.583768	0.6360522	0.9721939	0.5224402	0.1600952	0.1600952	grey
0.2327312	0.2206807	0.1221257	0.7048675	0.8558172	0.8108507	7.12E-06	7.12E-06	turquoise
0.5566678	0.270386	0.06928466	0.7937505	0.8671035	0.5585119	0.9098811	0.9098811	turquoise
0.3453143	0.9080209	0.3552449	0.3731901	0.9018872	0.05219059	0.00342106	0.00342106	blue
0.2312185	0.8771366	0.03878314	0.1355804	0.837298	0.1023037	0.3053292	0.3053292	turquoise
0.1909681	0.2488501	0.06176313	0.2906915	0.6796779	0.3257593	0.02597655	0.02597655	red
0.4214919	0.04155081	0.3062947	0.3656844	0.4166767	0.8660529	0.1446326	0.1446326	blue

0.2231491	0.3824013	0.06845895	0.410748	0.8712958	0.3325223	0.00052022	0.00052022	turquoise
0.1856016	0.2337823	0.5821004	0.1737315	0.9785729	0.6464094	0.07266086	0.07266086	grey
0.8270365	0.7930096	0.9912176	0.8912178	0.4024143	0.6985151	0.4104389	0.4104389	red
0.6872167	0.3007431	0.4574645	0.7060494	0.7293423	0.6087223	0.00948977	0.00948977	blue
0.2553998	0.3071881	0.0678319	0.6579884	0.4593363	0.2155978	0.02806069	0.02806069	grey
0.00400641	0.4082753	0.09497506	0.1814188	0.2733558	0.6451558	0.2203089	0.2203089	red
0.7503177	0.3049081	0.00108228	0.1864976	0.9240095	0.6562331	0.00094392	0.00094392	magenta
0.1352114	0.5140639	0.7145659	0.5956466	0.9611478	0.2663303	0.4511734	0.4511734	grey
0.3222014	0.3476369	0.3464026	0.1093833	0.5879636	0.2055542	0.173916	0.173916	grey
0.1092752	0.03364481	0.3239563	0.4870062	0.7963942	0.3560326	3.59E-08	3.59E-08	turquoise
0.9139823	0.3829819	0.4619555	0.7080793	0.6925693	0.2427033	0.5020549	0.5020549	darkred
0.1481892	0.1511337	0.1943431	0.9724256	0.6280585	0.3202074	0.00074548	0.00074548	brown
0.6241389	0.5108747	0.00605096	0.953665	0.6129625	0.290201	0.01815912	0.01815912	grey
0.9937532	0.1989324	0.01526457	0.2393038	0.7100935	0.1415039	0.02067104	0.02067104	turquoise
0.6765031	0.08121381	0.01180065	0.0317488	0.8937795	0.154861	0.01510166	0.01510166	turquoise
0.00365487	0.354986	0.9613968	0.1702403	0.4421456	0.6186171	0.01224048	0.01224048	grey
0.4270129	0.6424578	0.1342865	0.7533358	0.1385813	0.08964082	0.3900862	0.3900862	turquoise
0.1654242	0.8203708	0.9117692	0.3713815	0.7911335	0.7826182	0.04798376	0.04798376	grey
0.00749844	0.9923965	0.5764775	0.2518735	0.0018842	0.2705103	0.1292751	0.1292751	grey
0.09549348	0.8652395	0.9689344	0.4018761	0.9527695	0.4080128	0.1093123	0.1093123	blue
0.6164239	0.5328585	0.1278711	0.7914208	0.9505726	0.733246	0.840519	0.840519	grey
0.6876004	0.4240768	0.01527966	0.1751824	0.00475135	0.01737841	0.1958137	0.1958137	turquoise
0.04321499	0.6529363	0.01194881	0.0287649	0.4794167	0.06048567	0.03829636	0.03829636	turquoise
0.334389	0.1787742	0.5818992	0.5490669	0.4169926	0.350481	0.4832768	0.4832768	black
0.4818723	0.2748973	0.920928	0.2859845	0.9475892	0.5783284	0.8805486	0.8805486	grey
0.7481551	0.6040504	0.9969048	0.2436744	0.9968318	0.8457291	7.74E-08	7.74E-08	grey
0.3401813	0.2221862	0.3910637	0.2594937	0.4120702	0.7979404	0.06604274	0.06604274	turquoise
0.4939606	0.4069659	0.00127427	0.1834965	0.5352087	0.02390979	0.00579915	0.00579915	turquoise
0.5307964	0.06614386	0.3613221	0.9531705	0.2438702	0.5142029	0.0003567	0.0003567	blue
0.8573874	0.03861801	0.0529268	0.964614	0.9313217	0.9104442	1.34E-14	1.34E-14	brown
0.2968297	0.8429311	0.4970886	0.0319215	0.8972315	0.00115798	0.05855642	0.05855642	turquoise
0.1803927	0.6843905	0.02409167	0.1021275	0.1349947	0.9660683	0.00047442	0.00047442	yellow
0.2023274	0.4297478	0.00131117	0.0796225	0.3476112	0.2123037	0.00045399	0.00045399	grey
0.00129712	0.2038028	0.7480302	0.4166144	0.5519164	0.283269	0.05022016	0.05022016	grey
0.4078182	0.03929686	0.1844902	0.0023287	0.1064532	0.1716906	0.5044224	0.5044224	grey
0.4295576	0.4718679	0.6751293	0.9054805	0.2369959	0.8849371	0.08438995	0.08438995	turquoise
0.2503217	0.1824087	0.4456072	0.6945669	0.4244628	0.7989676	0.02962068	0.02962068	turquoise
0.2879038	0.3634402	0.04795832	0.6428513	0.4644353	0.3497132	0.2120918	0.2120918	turquoise
0.7794194	0.3414206	0.8174871	0.5613479	0.1261639	0.5217893	0.6549325	0.6549325	turquoise
0.3546538	0.00556333	0.1302266	0.8289275	0.9134316	0.3449581	5.53E-08	5.53E-08	brown
0.04717825	0.6414007	0.6367668	0.4507451	0.1206351	0.6708842	0.01942066	0.01942066	grey
0.07616857	0.6917244	0.2019298	0.9564529	0.8361202	0.8277074	0.03205159	0.03205159	turquoise
0.2652436	0.3603187	0.2291105	0.2411242	0.6991373	0.1194334	0.1993348	0.1993348	turquoise
0.510345	0.3571459	0.1078721	0.5055667	0.4094001	0.2862405	0.00109068	0.00109068	brown
0.7565686	0.9853088	0.03571832	0.1261324	0.2742584	0.2020132	0.2374496	0.2374496	turquoise
0.7320361	0.1787088	0.00219143	0.0926005	0.8722461	0.121998	1.22E-06	1.22E-06	turquoise
0.7937745	0.2181244	0.07535828	0.1064492	0.6663172	0.03485071	0.0913779	0.0913779	grey
0.2909424	0.3192698	0.09955144	0.473974	0.8165672	0.061772	0.5557592	0.5557592	green
0.9251754	0.9380792	0.1145896	0.1391876	0.6128512	0.1512934	0.2100621	0.2100621	purple
0.6914784	0.1064975	0.898551	0.8745286	0.970154	0.5156977	2.16E-05	2.16E-05	blue
0.1875033	0.6157307	0.00222011	0.3503289	0.9771805	0.258791	0.02360735	0.02360735	grey
0.8396246	0.4292695	0.1066844	0.6502933	0.5140936	0.7209929	0.9062687	0.9062687	grey
0.9637691	0.08153452	0.7909158	0.8680384	0.4304566	0.9692673	7.07E-07	7.07E-07	darkturquoise
0.1832202	0.8385721	0.2759678	0.6701605	0.9016541	0.7161501	0.00286965	0.00286965	grey
0.2197238	0.176284	0.0001252	0.561338	0.9307276	0.8699473	1.22E-24	1.22E-24	yellow
0.6204	0.01334575	0.0242094	0.3796049	0.2855513	0.6351064	0.1062405	0.1062405	grey
0.5469049	0.01091343	0.1764239	0.2536128	0.8837123	0.7009284	0.00655301	0.00655301	brown
0.9253066	0.6780378	0.2151356	0.1321677	0.1722522	0.8739731	0.55068	0.55068	grey
0.9638729	0.08149127	0.7801319	0.0520575	0.4565521	0.9105826	0.00044694	0.00044694	grey
0.3142164	0.4405458	0.7296699	0.6443619	0.00576198	0.896045	0.03403825	0.03403825	grey
0.1462859	0.07029977	0.4947349	0.5056805	0.1697943	0.4177192	0.00185447	0.00185447	blue

0.6152117	0.0001649	0.8120169	0.2459718	0.8691109	0.1922242	0.09432854	0.09432854	greenyellow
0.8960311	0.2580741	0.305689	0.451021	0.9577759	0.4236997	0.06112709	0.06112709	grey
0.8111728	0.1587252	0.745647	0.5100682	0.1162141	0.1585525	0.02474	0.02474	grey
0.6026386	0.3741547	0.2471405	0.3091269	0.7188684	0.0833235	0.388648	0.388648	turquoise
0.07316877	0.01832318	0.09050389	0.6936745	0.5407459	0.3438895	0.00162686	0.00162686	blue
0.7032051	0.4152062	0.01942645	0.3424224	0.5924635	0.1435289	0.1209061	0.1209061	grey
0.6692237	0.03982989	0.03219712	0.8574328	0.06766911	0.735553	0.00377692	0.00377692	blue
0.486611	0.1217246	0.2009328	0.7225653	0.5826571	0.4845158	0.00060636	0.00060636	blue
0.6490019	0.3267721	0.07787467	0.6722165	0.1777376	0.8105652	0.0651968	0.0651968	blue
0.3221282	0.7177656	0.8556663	0.2141186	0.6844959	0.4215804	0.595256	0.595256	blue
0.8774411	0.8574148	0.05948919	0.3897596	0.3689963	0.774486	0.6918956	0.6918956	darkturquoise
0.2711299	0.6805037	0.02953614	0.9912858	0.6607665	0.04884387	0.1058855	0.1058855	grey
0.7330071	0.08072695	0.2882614	0.7142339	0.5032361	0.7871413	0.00392542	0.00392542	brown
0.9756605	0.2792044	0.2431128	0.3782462	0.1998541	0.1109231	1.17E-06	1.17E-06	turquoise
0.3930959	0.04235188	0.04817506	0.9229916	0.3410964	0.06709126	1.03E-08	1.03E-08	brown
0.3989078	0.00452795	0.00607069	0.6121477	0.7949785	0.316396	1.04E-08	1.04E-08	brown
0.6679374	0.156791	0.4365908	0.0680559	0.1560942	0.03144652	0.02194645	0.02194645	green
0.1291778	0.09647967	0.2458126	0.1512448	0.7988497	0.3125463	0.00216812	0.00216812	blue
0.6831656	0.4064086	0.3811425	0.4883039	0.9472643	0.3723101	0.4266014	0.4266014	darkred
0.8311078	0.2073917	0.00117048	0.1236663	0.09785617	0.08978727	0.00896424	0.00896424	turquoise
0.7643433	0.02862407	0.1226158	0.0808309	0.6643156	0.3038301	0.147819	0.147819	tan
0.8447966	0.1974146	0.09433116	0.397246	0.7968031	0.7669566	3.78E-11	3.78E-11	yellow
0.5859264	0.4892198	0.2129221	0.7582931	0.4129453	0.07851939	0.995686	0.995686	grey
0.6044912	0.4922704	0.3125223	0.2345093	0.4182251	0.6933556	3.37E-05	3.37E-05	blue
0.4702364	0.6397856	0.1302235	0.0827066	0.947559	0.3818659	0.08459337	0.08459337	grey
0.335421	0.2560932	0.9947253	0.6457283	0.06742128	0.5173183	0.7421154	0.7421154	grey
0.5629731	0.1737767	0.9353244	0.3373687	0.7276288	0.169063	1.05E-10	1.05E-10	grey
0.6061921	0.9820177	0.01627576	0.4266061	0.7569946	0.09148042	0.9741697	0.9741697	turquoise
0.3373651	0.04092707	0.00020227	0.0288978	0.04597075	0.00024481	0.05000734	0.05000734	grey
0.6531678	0.0560676	0.2050157	0.3841006	0.3698855	0.4726831	0.08600989	0.08600989	blue
0.7650653	0.5237782	0.0094942	0.3171397	0.3934489	0.3108014	0.1475983	0.1475983	darkorange
0.3857576	0.2051953	0.1947515	0.849226	0.4417062	0.6990568	0.163627	0.163627	grey
0.9084743	0.4905064	0.6059834	0.0767675	0.8197287	0.690476	0.3874032	0.3874032	black
0.265003	0.4688412	0.822097	0.0224316	0.7551224	0.142402	0.000299	0.000299	pink
0.4312998	0.9032858	0.02397082	0.4731668	0.8090155	0.1597051	0.1338011	0.1338011	darkgrey
0.427851	0.9978052	0.3711572	0.4665934	0.1071014	0.1410934	0.9885123	0.9885123	turquoise
0.5714713	0.02334122	0.00081118	0.6116315	0.1051501	0.01680414	0.00782855	0.00782855	turquoise
0.9437263	0.03406403	0.572704	0.7969953	0.9732252	0.9059873	6.59E-06	6.59E-06	blue
0.3409106	0.3291738	0.327925	0.7971228	0.1395222	0.9093767	0.01936461	0.01936461	turquoise
0.240477	0.00871541	0.9314802	0.6512256	0.6355588	0.9496711	0.338284	0.338284	grey
0.4148279	0.5391984	0.9160289	0.5100115	0.5396754	0.892912	0.8351403	0.8351403	turquoise
0.5845018	0.6908863	0.1340949	0.3841808	0.4060634	0.1116719	0.2350959	0.2350959	turquoise
0.6790285	0.5983832	0.493926	0.6319518	0.05548393	0.4161851	0.7746014	0.7746014	grey
0.2433761	0.2772832	0.08599333	0.3881621	0.9086058	0.2688062	0.06183944	0.06183944	turquoise
0.7183605	0.2161054	0.00169226	0.1550176	0.1634814	0.2496962	0.6430724	0.6430724	turquoise
0.3994964	0.09939166	0.06669108	0.2497574	0.1077348	0.3636306	2.24E-13	2.24E-13	yellow
0.00654378	0.4262159	0.4819762	0.8637015	0.63616	0.5622777	0.7791872	0.7791872	grey
0.3039079	0.5249822	0.7479028	0.4807619	0.3830016	0.6508719	0.5979213	0.5979213	turquoise
0.9732026	0.7649948	0.2595405	0.1475633	0.8222185	0.1347922	0.04786864	0.04786864	green
0.3463211	0.2481744	0.7760118	0.9166765	0.04967567	0.729849	7.07E-05	7.07E-05	grey
0.3065443	0.991915	0.00277502	0.0496267	0.8363288	0.02710663	0.3970705	0.3970705	white
0.521414	0.0882876	0.5014182	0.8611801	0.9866053	0.788611	0.07024676	0.07024676	grey
0.6241601	0.00014688	0.00237693	0.1159729	0.420709	0.7550848	1.44E-25	1.44E-25	brown
0.2891171	0.00010669	0.3046126	0.3605427	0.4104851	0.3870377	9.49E-08	9.49E-08	blue
0.3262144	0.4617166	0.1057029	0.0778298	0.8995528	0.7650724	0.056126	0.056126	turquoise
0.00711885	0.745677	0.00343044	0.052298	0.7898876	0.1316038	0.07247863	0.07247863	grey
0.8735578	0.06065775	0.1090655	0.0990471	0.2997096	0.05596932	0.0001721	0.0001721	turquoise
0.3482885	0.05853315	0.6016504	0.8582628	0.618391	0.6828905	0.00193071	0.00193071	grey
0.7367151	0.4385783	0.4732221	0.5323358	0.9940684	0.4192584	0.6098284	0.6098284	grey
0.02751613	0.0508351	0.5783431	0.1480172	0.6312656	0.1567996	0.04889445	0.04889445	blue
0.8594842	0.7685962	0.01855396	0.2103894	0.773384	0.1082298	0.2600244	0.2600244	salmon

0.6628933	0.1486463	0.00696312	0.585279	0.5350723	0.8492246	2.55E-09	2.55E-09	green
0.1374437	0.196306	0.07872451	0.51192	0.4980236	0.2635298	0.00049385	0.00049385	lightgreen
0.4375502	0.00839956	0.04202934	0.5318706	0.732667	0.3964934	3.56E-22	3.56E-22	yellow
0.9796213	0.971205	0.02141011	0.0907273	0.518088	0.07496169	0.1692008	0.1692008	turquoise
0.2071248	0.5997104	0.08198067	0.305682	0.4796819	0.04253593	0.9940928	0.9940928	grey
0.1238162	0.4713096	0.5984849	0.5999191	0.5112925	0.7803013	0.2258924	0.2258924	turquoise
0.55332	0.2881303	0.882002	0.0434971	0.3088025	0.4578924	0.4216583	0.4216583	grey
0.1720925	0.1677141	0.08407217	0.7511402	0.5546097	0.4732979	0.00048782	0.00048782	blue
0.7016312	0.366323	0.0020641	0.1006414	0.3834912	0.1323587	0.01657268	0.01657268	turquoise
0.8870559	0.5449108	0.03399551	0.5611043	0.8687942	0.1132591	0.4516642	0.4516642	turquoise
0.09527337	0.9775066	0.3616201	0.8129633	0.1155946	0.2575299	0.2597205	0.2597205	grey
0.7607733	0.5991595	4.44E-05	0.2836321	0.5106086	0.4614397	0.0001499	0.0001499	turquoise
0.7415776	0.5977094	0.1090624	0.7411159	0.6107197	0.2664627	0.5832009	0.5832009	black
0.6486339	0.05828105	0.3257826	0.6887213	0.2659286	0.5148777	6.98E-05	6.98E-05	blue
0.8473466	0.0920793	0.01321968	0.4245183	0.9527232	0.4491371	0.6250191	0.6250191	tan
0.2424857	0.1973498	0.6024013	0.5008291	0.4430411	0.2492589	0.00176227	0.00176227	grey
0.8602628	0.08584248	0.2703044	0.5294501	0.6490672	0.1839593	0.00017713	0.00017713	grey
0.08184233	0.6262692	0.1173317	0.9402789	0.9611804	0.8012004	0.07815764	0.07815764	turquoise
0.3722485	0.5764053	0.5534681	0.3626395	0.3890581	0.8002498	0.2913782	0.2913782	grey
0.1376354	0.8246373	0.9756503	0.7839729	0.7364601	0.3932193	0.9160944	0.9160944	red
0.3204146	0.07540386	0.08700787	0.3699294	0.8187575	0.5227797	0.00233227	0.00233227	red
0.06490218	0.7538805	0.05382005	0.0919269	0.5288127	0.1911493	0.00906178	0.00906178	turquoise
0.45565	0.743754	0.6441171	0.5164899	0.7089881	0.9120356	0.4534417	0.4534417	turquoise
0.2963409	0.8772949	0.01463161	0.4360027	0.6474774	0.5177188	0.07050539	0.07050539	pink
0.5887202	0.0988247	0.00197285	0.5470003	0.7133435	0.04966353	1.41E-07	1.41E-07	magenta
0.8534984	3.22E-05	0.0017166	0.0280688	0.7902866	0.3698765	2.98E-19	2.98E-19	brown
0.1431688	0.7829048	0.7849034	0.7949852	0.7585974	0.8416565	0.2354724	0.2354724	red
0.6701376	0.00297911	0.02224859	0.3541271	0.973974	0.2853267	1.46E-23	1.46E-23	yellow
0.02531296	0.2515968	0.8262232	0.9711994	0.7817731	0.9473451	1.75E-10	1.75E-10	grey
0.6315481	0.6741829	0.00999119	0.6061278	0.917308	0.7233443	0.01584823	0.01584823	turquoise
0.5230404	0.00438783	0.229204	0.1913993	0.5685533	0.7534216	7.79E-10	7.79E-10	grey
0.02498418	0.6312367	0.06178814	0.2028609	0.5263962	0.00124676	0.00486823	0.00486823	grey
0.89047	0.2042871	0.071419	0.3831768	0.996145	0.1725438	0.03559244	0.03559244	darkgrey
0.5489656	0.01879378	0.00123874	0.0828428	0.6951685	0.7146038	3.58E-21	3.58E-21	yellow
0.5196701	0.6017329	0.04718633	0.0716159	0.4372142	0.1476391	0.8073388	0.8073388	grey
0.9461249	0.6163851	0.4819658	0.7960233	0.8966897	0.7349593	1.36E-09	1.36E-09	brown
0.1261457	0.8906368	0.8245553	0.7468553	0.6549979	0.4492998	0.03131729	0.03131729	grey
0.4972318	0.191496	0.015976	0.4699948	0.8956097	0.4828505	2.89E-06	2.89E-06	grey
0.9542271	0.7451318	0.00012919	0.0925269	0.2703642	0.1406759	0.00286696	0.00286696	green
0.3458527	0.4129895	0.5295069	0.666743	0.5826086	0.3398982	0.00060184	0.00060184	greenyellow
0.1557764	0.1399822	0.1146745	0.8618521	0.3324258	0.8973278	0.4264052	0.4264052	turquoise
0.375305	0.754575	0.9573154	0.6146719	0.6848931	0.8205623	0.6164367	0.6164367	grey
0.1663879	0.447127	0.5309238	0.2023334	0.7730399	0.9502051	0.00435209	0.00435209	midnightblue
0.3359447	0.02522092	0.05338119	0.7569371	0.9831582	0.3022836	0.6708543	0.6708543	greenyellow
0.8244688	0.01921857	0.5836801	0.7644205	0.6223917	0.1282599	5.22E-07	5.22E-07	brown
0.8406769	0.09292725	0.3311958	0.2181452	0.00027802	0.07274272	0.8277811	0.8277811	turquoise
0.9108028	0.05381656	0.3439307	0.9196647	0.5735732	0.285157	5.84E-06	5.84E-06	brown
0.5062806	0.3969659	0.9618029	0.8080798	0.4967044	0.6896113	0.01518821	0.01518821	blue
0.856162	0.03679655	0.6901968	0.6294628	0.8119504	0.3642338	0.0086846	0.0086846	turquoise
0.3126887	0.6497694	0.5943692	0.6239936	0.2432014	0.7688233	0.3029252	0.3029252	grey
0.9644896	0.00871092	0.00993942	0.073876	0.76743	0.02168204	3.10E-10	3.10E-10	brown
0.2995547	0.08118892	0.3318042	0.812651	0.8884383	0.49748	2.96E-05	2.96E-05	blue
0.2323488	0.04147728	0.7324596	0.1826399	0.4860881	0.8469241	0.00042333	0.00042333	grey
0.8203445	0.2994587	0.6107958	0.518276	0.4630077	0.7170148	0.0184122	0.0184122	grey
0.7581287	0.4440339	0.01174898	0.0254831	0.9465157	0.1448165	6.35E-06	6.35E-06	turquoise
0.4551696	0.9242837	0.5350186	0.674419	0.7344912	0.8684555	0.04285967	0.04285967	blue
0.617238	0.5422368	0.00622996	0.5281032	0.792064	0.09186239	0.5746383	0.5746383	red
0.08934974	0.2832414	0.7311437	0.8636205	0.6457164	0.3179223	6.00E-06	6.00E-06	brown
0.6431728	0.1882246	0.3800044	0.5605149	0.6539077	0.9002887	0.8923708	0.8923708	cyan
0.1537009	0.1548157	0.0373414	0.0012093	0.4344	0.05647994	0.09660812	0.09660812	grey
0.5619531	0.6801165	0.1445001	0.4264171	0.8232453	0.4624179	0.9805516	0.9805516	skyblue

0.7932677	0.1029284	0.528236	0.5070428	0.9917172	0.7441217	0.00465864	0.00465864	blue
0.2439138	0.9839365	0.7115	0.0780738	0.861193	0.3737582	0.3561666	0.3561666	royalblue
0.7927674	0.132461	0.5031659	0.3171641	0.3729052	0.8377731	0.3241418	0.3241418	turquoise
0.840175	0.04591119	0.2196915	0.523229	0.9526467	0.5111412	0.9175911	0.9175911	blue
0.5372144	0.1551247	0.1654744	0.2693083	0.5515798	0.5756498	0.875645	0.875645	turquoise
0.2018563	0.06480807	0.3713476	0.4351096	0.963874	0.5818769	0.03470748	0.03470748	turquoise
0.7443117	0.284304	0.1954925	0.7434581	0.5127637	0.6755643	0.04940476	0.04940476	grey
0.2057851	0.4951681	0.2531536	0.7103114	0.2741777	0.8835053	0.03729488	0.03729488	grey
0.8672516	0.1988198	0.2558569	0.0952014	0.9698204	0.632194	0.06093204	0.06093204	turquoise
0.6133573	0.407752	0.2555261	0.609818	0.2158793	0.5583921	0.0001262	0.0001262	grey
0.4437658	0.265744	0.1344821	0.4219054	0.1106731	0.2534682	0.05448751	0.05448751	grey
0.7682186	0.5872074	0.02864889	0.0659507	0.6699789	0.6579205	0.0048286	0.0048286	yellow
0.1833415	0.9245822	0.5057798	0.6789459	0.7588568	0.8286394	8.93E-09	8.93E-09	yellow
0.4509451	0.02172669	0.6707429	0.4247697	0.9254502	0.3810762	0.01023844	0.01023844	turquoise
0.6462669	0.4414471	0.3246973	0.763775	0.8933102	0.6238435	1.77E-08	1.77E-08	grey
0.8860192	0.04703126	0.9653878	0.4228459	0.6575372	0.9663852	0.07965166	0.07965166	blue
0.5697916	0.1475578	0.00321091	0.1206795	0.5903401	0.03955002	0.6542358	0.6542358	turquoise
0.05178105	0.4454795	0.5085268	0.944672	0.2030669	0.9986202	0.7291514	0.7291514	turquoise
0.3359985	0.478325	0.8998933	0.0426487	0.6913508	0.5848731	0.4102594	0.4102594	black
0.03329912	0.09099141	0.0541722	0.1169871	0.2287544	0.8653707	0.6450998	0.6450998	darkturquoise
0.6197979	0.5819037	0.00058835	0.0059405	0.9661761	0.032577	0.1721902	0.1721902	turquoise
0.3144087	0.2974096	0.02695333	0.0336333	0.5185971	0.6871473	0.1352919	0.1352919	grey
0.7021552	0.5726439	0.00321567	0.4440227	0.6466464	0.6812266	2.10E-05	2.10E-05	magenta
0.4552918	0.5814827	0.00719429	0.0927666	0.3652659	0.1216925	0.4372083	0.4372083	turquoise
0.4725614	0.9866921	0.4516765	0.7693729	0.9228513	0.7958386	0.2131102	0.2131102	grey
0.03203763	0.3236974	0.4721434	0.3093944	0.6637118	0.3919059	0.02571483	0.02571483	orange
0.4440043	0.2094975	0.4739116	0.1882224	0.2131714	0.609412	0.4973293	0.4973293	grey
0.5869862	0.1729359	0.5049904	0.7259562	0.6904853	0.709875	0.00795956	0.00795956	pink
0.7047229	0.05174058	0.2424911	0.8953635	0.9713964	0.9687123	0.2408209	0.2408209	darkturquoise
0.5181311	0.9934507	0.7696276	0.4779215	0.05265509	0.4358467	0.6993174	0.6993174	grey
0.9348722	0.2358837	0.00240662	0.0209101	0.7319902	0.06856936	6.86E-09	6.86E-09	green
0.7999496	0.748452	0.5550784	0.8060047	0.2575256	0.6004334	5.14E-09	5.14E-09	grey
0.213427	0.5521452	0.7027196	0.390161	0.6781098	0.930808	0.6436181	0.6436181	turquoise
0.3395737	0.9436149	0.7714693	0.1112062	0.1048278	0.5896511	4.96E-05	4.96E-05	grey
0.8437157	0.552227	0.2592399	0.6484976	0.1630821	0.7037929	0.03596458	0.03596458	grey
0.3361276	0.1114562	0.9613079	0.2535319	0.5237784	0.9679296	0.0008752	0.0008752	purple
0.5732819	0.7684771	0.4663733	0.6511485	0.4691257	0.2450003	0.00116778	0.00116778	turquoise
0.5780153	0.09114537	0.2620939	0.31203	0.2264185	0.7659138	1.12E-06	1.12E-06	grey
0.09501867	0.2653139	0.01223896	0.0455979	0.1560115	0.4957521	0.00126773	0.00126773	grey
0.5573157	0.06415168	0.393379	0.7100205	0.9551587	0.5660202	0.02954284	0.02954284	blue
0.1187449	0.2587633	0.3275759	0.1227301	0.1292557	0.9726992	0.08464185	0.08464185	blue
0.2314104	0.4182803	0.06544798	0.8710962	0.4942017	0.5928378	0.0746818	0.0746818	turquoise
0.4142058	0.8853074	0.6431166	0.6553277	0.820661	0.5695387	0.00430218	0.00430218	grey
0.8543684	0.2850646	0.0025073	0.2576511	0.2837062	0.8040221	1.39E-10	1.39E-10	yellow
0.2282862	0.4065155	0.8616736	0.936936	0.6466259	0.4988981	0.7143097	0.7143097	grey
0.6133179	0.1465421	0.04133135	0.1368668	0.9570479	0.07159625	0.811689	0.811689	grey
0.4633527	0.3799086	2.79E-05	0.0166804	0.605715	0.03995038	0.00017003	0.00017003	yellow
0.1868195	0.8237175	0.08428902	0.1252125	0.4465515	0.0300418	0.3602647	0.3602647	turquoise
0.1095409	0.1973045	0.3514207	0.6614032	0.4897678	0.5461628	0.4743319	0.4743319	grey
0.6368264	0.2239632	0.88141	0.8884338	0.439678	0.07822068	0.00284119	0.00284119	skyblue
0.2446388	0.58745	0.8691288	0.0591064	0.2194838	0.5523225	8.97E-16	8.97E-16	yellow
0.4335242	0.2815634	0.00030637	0.2685887	0.5507156	0.00995616	0.00411578	0.00411578	grey
0.9003279	0.5698644	0.03368486	0.0590626	0.8251795	0.6539571	0.1129814	0.1129814	green
0.4017573	0.5670434	0.02249487	0.4935954	0.02286098	0.0425545	0.8629491	0.8629491	turquoise
0.189466	0.08943758	0.1917354	0.8033779	0.6020973	0.6884757	5.97E-05	5.97E-05	brown
0.331142	0.2400773	0.00793484	0.6690894	0.648763	0.950052	3.79E-05	3.79E-05	brown
0.1511377	0.2096395	0.3070089	0.6881702	0.2910627	0.734862	3.97E-12	3.97E-12	grey
0.5517778	0.8685926	0.3518119	0.0605397	0.7320093	0.2494583	0.00941196	0.00941196	grey
0.8265793	0.9202916	0.193863	0.8059829	0.4183308	0.3381396	0.4211377	0.4211377	grey
0.9786034	0.3942861	0.00033197	0.1424821	0.09557034	0.3409105	7.35E-12	7.35E-12	yellow
0.1007068	0.07032321	0.2621749	0.2731864	0.1607451	0.5668381	0.00055044	0.00055044	darkred

0.3745481	0.5510074	0.0135728	0.2836774	0.6994024	0.00672001	0.7501517	0.7501517	turquoise
0.00412616	0.03782347	0.3937142	0.3734831	0.1713048	0.841224	0.1057261	0.1057261	grey
0.4514852	0.6105649	0.5492481	0.5379707	0.8878441	0.3608435	0.00338746	0.00338746	cyan
0.7548775	0.1459575	0.01747337	0.4646305	0.537604	0.05873568	0.9009087	0.9009087	turquoise
0.5742844	0.6189708	0.5637068	0.4386757	0.5238537	0.8246346	0.07558813	0.07558813	red
0.1706914	0.5110413	0.7852131	0.5755086	0.4229712	0.4725272	5.34E-07	5.34E-07	blue
0.8794884	0.4691657	0.6371166	0.7837009	0.5806723	0.7526075	0.1435801	0.1435801	grey
0.9721936	0.1198585	0.7259526	0.9419277	0.9139744	0.1773867	3.05E-05	3.05E-05	blue
0.06011823	0.8744933	0.03718707	0.8938071	0.6754495	0.9594545	0.00991668	0.00991668	grey
0.7217902	0.08109208	0.6652453	0.631171	0.6882629	0.3012692	0.00039846	0.00039846	turquoise
0.3221888	0.2977665	0.00122378	0.3424452	0.1540165	0.07532552	0.2713431	0.2713431	turquoise
0.7517903	0.5053189	0.2145047	0.9425071	0.7521778	0.07860792	0.2924794	0.2924794	turquoise
0.6990208	0.7423589	0.2312786	0.1874652	0.4302796	0.7278474	0.01508158	0.01508158	blue
0.8356196	0.4092372	0.00286843	0.0187275	0.5150807	0.00408352	0.1347363	0.1347363	turquoise
0.7260871	0.3050745	0.4635944	0.728972	0.3851286	0.4996774	0.00051101	0.00051101	turquoise
0.976558	0.200726	0.3654168	0.7048518	0.6547272	0.181058	0.01451745	0.01451745	darkgrey
0.4745542	0.00460314	0.2402899	0.9143448	0.4849381	0.8303936	0.2014718	0.2014718	greenyellow
0.3995883	0.5736205	0.3485772	0.1177903	0.9894028	0.1489449	0.5823176	0.5823176	salmon
0.2076601	0.02447519	0.00920199	0.2599319	0.2774573	0.8768091	1.10E-26	1.10E-26	brown
0.05796121	0.4292685	0.1281236	0.2763972	0.565358	0.6532337	0.1370746	0.1370746	magenta
0.5164433	0.02380775	0.07855614	0.7504424	0.9742743	0.5362787	2.92E-08	2.92E-08	brown
0.8957675	0.1791168	0.08554405	0.206787	0.5471446	0.9997747	1.11E-07	1.11E-07	blue
0.784965	0.7365791	0.1275873	0.8667934	0.5001398	0.3392001	0.00239188	0.00239188	turquoise
0.4897919	0.04380369	0.08098667	0.725016	0.9324109	0.6669419	4.77E-31	4.77E-31	brown
0.1428964	0.8781475	0.3418438	0.6451881	0.5609761	0.6590795	1.11E-06	1.11E-06	grey
0.727469	0.0958128	0.00141692	0.2408702	0.6114043	0.07774867	0.6181393	0.6181393	green
0.07177893	0.9955664	0.2204703	0.455529	0.7049346	0.9948368	0.00609624	0.00609624	green
0.6935583	0.9388366	0.4079594	0.672029	0.1750356	0.1760652	0.3211669	0.3211669	turquoise
0.4194253	0.237914	0.8861797	0.9013554	0.7440618	0.9422975	0.1090388	0.1090388	turquoise
0.9611211	0.02237733	0.5548586	0.9911387	0.2419992	0.1268716	0.02706406	0.02706406	magenta
0.2768524	0.01864281	0.8928517	0.5011794	0.7328057	0.7168782	3.06E-08	3.06E-08	blue
0.8819902	0.09905173	0.00969813	0.6769509	0.4956383	0.1307035	0.0056537	0.0056537	turquoise
0.442066	0.1594503	0.6164391	0.1477348	0.7163412	0.1372516	0.7230427	0.7230427	grey
0.9605337	0.4279272	0.00158206	0.1653633	0.3702807	0.3199368	0.00024368	0.00024368	turquoise
0.1163287	0.05317577	0.06761824	0.859328	0.7443048	0.2709577	3.24E-07	3.24E-07	blue
0.7205244	0.00207417	0.00243107	0.008796	0.4901347	0.8892863	1.47E-14	1.47E-14	yellow
0.2999883	0.5612523	0.01496103	0.8904113	0.9553967	0.8664224	0.00032168	0.00032168	purple
0.6886891	0.00212253	0.08567823	0.8150433	0.5956589	0.5596763	0.01474177	0.01474177	black
0.3202003	0.4055985	0.00460982	0.4824412	0.3722221	0.07618035	0.4806636	0.4806636	turquoise
0.5798317	0.4535403	0.8279188	0.0970481	0.5112993	0.6255352	0.1839814	0.1839814	lightcyan
0.7608844	0.4743267	0.3319008	0.8175412	0.5248571	0.5599905	0.720935	0.720935	turquoise
0.5522566	0.3625279	0.2626074	0.5291623	0.5280013	0.4483526	0.8978102	0.8978102	turquoise
0.4720823	0.669228	0.9794123	0.1734999	0.4687797	0.2747188	0.01151592	0.01151592	grey
0.4530494	0.954645	0.7561561	0.9452877	0.9028255	0.6858146	0.2797963	0.2797963	turquoise
0.7083437	0.00798925	0.1710806	0.3780896	0.1158692	0.5386267	0.00658452	0.00658452	grey
0.4090739	0.9469411	0.4895132	0.3622394	0.8736903	0.9609747	0.00121231	0.00121231	turquoise
0.2707734	0.2211334	0.9046948	0.9003747	0.2004912	0.1235261	0.00213673	0.00213673	blue
0.7063843	0.4503631	0.1420476	0.2903878	0.8963205	0.9526914	0.00387604	0.00387604	turquoise
0.02085438	0.05670318	0.09617887	0.314261	0.5919017	0.6227122	0.05394206	0.05394206	blue
0.5707058	0.4070559	0.7454586	0.7465367	0.7639535	0.523668	0.3208429	0.3208429	grey
0.3903198	0.5572371	0.725689	0.5516754	0.7677128	0.5849541	0.2066427	0.2066427	blue
0.9221871	0.5436416	0.7521815	0.9267275	0.6657658	0.4214991	0.2887248	0.2887248	grey
0.0672905	0.1201802	0.04627426	0.247743	0.7277738	0.05745694	6.68E-09	6.68E-09	blue
0.2427264	0.8751387	0.00054068	0.0916375	0.9969879	0.2603687	0.5642796	0.5642796	turquoise
0.04449646	0.00705084	0.7127971	0.343943	0.6546434	0.05609405	1.21E-09	1.21E-09	turquoise
0.3026228	0.155758	0.3790624	0.7729688	0.9059784	0.2867517	2.65E-05	2.65E-05	blue
0.7258207	0.06593063	0.02688682	0.4765453	0.9667717	0.1071775	2.56E-11	2.56E-11	brown
0.3168418	0.4723488	0.9443355	0.144512	0.2859777	0.5209419	0.2993207	0.2993207	grey
0.2853934	0.9023908	0.01055272	0.0721111	0.1530551	0.4217721	0.8324495	0.8324495	turquoise
0.5242336	0.8142888	0.1301232	0.9556101	0.9422191	0.3297938	0.00133716	0.00133716	black
0.5027767	0.01630856	0.00062422	0.060753	0.4735499	0.1243386	4.64E-15	4.64E-15	yellow

0.8272514	0.4806571	0.00645207	0.602892	0.7220099	0.1212273	0.771456	0.771456	tan
0.2886016	0.6623469	0.1629976	0.4541273	0.2794297	0.5841549	0.5954522	0.5954522	lightgreen
0.696242	0.6041386	0.00691041	0.450383	0.1546111	0.08728739	0.7833436	0.7833436	turquoise
0.2075813	0.00149366	0.02661001	0.2630288	0.07633191	0.6810861	0.00028001	0.00028001	greenyellow
0.4972702	0.00517888	0.1319359	0.6692755	0.4704888	0.4079648	2.31E-14	2.31E-14	yellow
0.2953548	0.4191736	0.2663865	0.5095663	0.5208943	0.5831207	0.02870818	0.02870818	blue
0.1743414	0.2026323	0.5363639	0.85589	0.3157847	0.2390553	0.01275947	0.01275947	blue
0.09940815	0.6795463	0.3074274	0.1412185	0.6008151	0.185425	0.9819312	0.9819312	grey
0.3509007	0.9803652	0.5144922	0.4584754	0.9907814	0.07418558	0.00266975	0.00266975	blue
0.2509523	0.04770862	7.36E-05	0.1260916	0.7751207	0.5108142	2.68E-26	2.68E-26	brown
0.5635399	0.5921278	0.01251002	0.314809	0.8483904	0.1402435	0.4226217	0.4226217	turquoise
0.2921144	0.4849781	0.01091832	0.2169969	0.535401	0.4364189	0.00046421	0.00046421	green
0.9451426	0.03255225	0.1265028	0.076271	0.4769308	0.1486709	0.2704599	0.2704599	turquoise
0.4813321	0.00065828	0.01524641	0.5856967	0.4037588	0.04539906	0.09159498	0.09159498	green
0.683673	0.9589096	0.1247012	0.1670137	0.9754322	0.6824452	0.1666356	0.1666356	blue
0.6930845	0.125155	0.1976228	0.5215409	0.2040217	0.8103408	0.01114202	0.01114202	turquoise
0.08233681	0.5062066	0.08850953	0.1921593	0.4570328	0.1236755	0.9051799	0.9051799	turquoise
0.9060452	0.9677344	0.9099886	0.7598696	0.5068841	0.1663005	0.3943012	0.3943012	grey
0.4575486	0.09480799	0.7877144	0.6273178	0.1270355	0.5470339	1.87E-06	1.87E-06	blue
0.6693785	0.3365193	0.09837195	0.042636	0.6141328	0.04639624	0.00382768	0.00382768	grey
0.3842659	0.1053949	0.1616195	0.2301398	0.09763268	0.33139	0.7941817	0.7941817	turquoise
0.5350739	0.6487734	0.04856439	0.0107723	0.4384778	0.02541226	5.06E-05	5.06E-05	turquoise
0.00552574	0.5489129	0.48905	0.6337278	0.04217236	0.5649449	0.1736047	0.1736047	grey
0.6465089	0.5412403	0.9568959	0.7464462	0.9746095	0.7642767	0.8651542	0.8651542	grey
0.8820182	0.00114978	0.00240023	0.1622392	0.2302295	0.6747142	8.16E-19	8.16E-19	brown
0.119418	0.3156564	0.4158214	0.2847535	0.9032296	0.3496229	0.8342749	0.8342749	purple
0.2028184	0.3651132	0.7799117	0.1488426	0.5471955	0.04168918	0.08013505	0.08013505	pink
0.7044753	0.1177426	0.1362057	0.5463995	0.5470518	0.5347868	0.06121843	0.06121843	turquoise
0.1029133	0.4966734	0.7703412	0.2397969	0.1153816	0.4166148	0.09600929	0.09600929	blue
0.6130852	0.1022211	0.1196524	0.1094418	0.3150458	0.4172477	0.00283509	0.00283509	yellow
0.460943	0.6621431	0.9982808	0.9499723	0.7161555	0.2995099	0.05572314	0.05572314	grey
0.1645347	0.08139141	0.00132225	0.4075793	0.3522019	0.1355305	0.05209308	0.05209308	pink
0.9382808	0.2168482	0.5591752	0.4341711	0.8948381	0.6484569	0.6551599	0.6551599	greenyellow
0.07545344	0.2071874	0.3003881	0.9683441	0.1216945	0.283563	0.2059089	0.2059089	turquoise
0.8907748	0.7119101	0.00844809	0.3724894	0.7848427	0.2582819	0.03428551	0.03428551	turquoise
0.7047538	0.1252787	0.2397733	0.0575752	0.8426911	0.1714707	0.00085871	0.00085871	orange
0.5947502	0.2398958	0.07058709	0.3940121	0.6647065	0.1172109	0.02645315	0.02645315	turquoise
0.04163978	0.09213501	0.3155237	0.5381602	0.4417941	0.8845906	0.4240051	0.4240051	turquoise
0.6966049	0.4698429	0.2969365	0.2431223	0.8026197	0.4584602	0.06127705	0.06127705	grey
0.182822	0.09449322	0.1714901	0.4729745	0.4852286	0.6921375	3.84E-05	3.84E-05	green
0.6179156	0.0408321	0.3949536	0.2117929	0.4048568	0.5530997	0.2328351	0.2328351	turquoise
0.5457321	0.09578794	0.2526747	0.1407635	0.4584699	0.7435905	5.58E-05	5.58E-05	blue
0.6205079	0.03515068	0.3125997	0.4732436	0.7304644	0.6085608	0.01451545	0.01451545	grey
0.1347501	0.1334093	0.2997372	0.188104	0.1325912	0.3189483	0.134722	0.134722	turquoise
0.120283	0.2132659	0.00827956	0.3557538	0.08328489	0.254699	1.22E-05	1.22E-05	brown
0.9960924	0.9775015	0.00017297	0.0071034	0.3656737	0.8892769	0.00013831	0.00013831	magenta
0.5240182	0.1486349	0.3592426	0.0692328	0.5446185	0.3924948	0.02852041	0.02852041	green
0.1004476	0.1401444	0.7479058	0.4592087	0.6091138	0.5744142	0.03008129	0.03008129	turquoise
0.9410475	0.1723173	0.6712958	0.9220642	0.4160231	0.149451	1.10E-13	1.10E-13	brown
0.3321709	0.3862151	0.04505817	0.1226355	0.7696059	0.1021706	0.05251464	0.05251464	turquoise
0.2696788	0.233653	0.2524118	0.3659329	0.3728874	0.08469951	0.1556202	0.1556202	turquoise
0.9836264	0.3088842	0.00038686	0.559466	0.693334	0.928891	8.36E-16	8.36E-16	green
0.8385331	0.3563703	0.1414762	0.6728973	0.5170402	0.6774524	0.1023629	0.1023629	grey
0.2180796	0.7624549	0.7890763	0.9297874	0.5659034	0.305654	1.33E-07	1.33E-07	lightgreen
0.3543175	0.00486775	0.8197122	0.8267998	0.298134	0.7189929	0.00272062	0.00272062	tan
0.1675778	0.04610746	0.1008203	0.7384562	0.3887718	0.1052339	9.46E-05	9.46E-05	blue
0.4728183	0.0011441	0.1077021	0.9298629	0.7653625	0.382545	2.60E-10	2.60E-10	brown
0.2144548	0.3535143	0.2827353	0.1943325	0.9546919	0.09371165	0.0073841	0.0073841	turquoise
0.5097787	0.5747106	0.442581	0.6384988	0.4917388	0.7766875	0.1192891	0.1192891	grey
0.2603973	0.1266296	0.7363618	0.6891345	0.8815798	0.7962031	0.00343361	0.00343361	grey
0.9974027	0.5352862	0.00800793	0.248384	0.8792926	0.3741465	0.586427	0.586427	turquoise

0.6395049	0.4131702	0.1228329	0.6135272	0.916609	0.2442763	0.00791737	0.00791737	turquoise
0.7638584	0.1993052	0.7707891	0.7424275	0.333478	0.5655117	0.05359293	0.05359293	blue
0.3018673	0.0004042	0.00167287	0.3188959	0.7552208	0.7748847	2.18E-23	2.18E-23	yellow
0.748519	0.4463986	0.05880822	0.4047107	0.598995	0.2244202	0.06028564	0.06028564	blue
0.09606982	0.2208465	0.1493152	0.3595738	0.1099046	0.9140829	0.00161818	0.00161818	blue
0.7404203	0.3907252	0.1557319	0.2944978	0.4555754	0.02936762	0.08108158	0.08108158	turquoise
0.776278	0.4270175	0.00560456	0.2802081	0.9853615	0.3245184	0.6263622	0.6263622	turquoise
0.8019106	0.9849695	0.01009265	0.2263241	0.5522329	0.1327854	0.746735	0.746735	turquoise
0.0121161	0.7256203	0.3902802	0.4107036	0.06013372	0.05583338	0.05431488	0.05431488	grey
0.4002436	0.2989072	0.725501	0.426541	0.4895092	0.6323314	0.00046966	0.00046966	blue
0.07104255	0.0208511	0.2103653	0.5644147	0.6324755	0.4822045	0.00237367	0.00237367	grey
0.960746	0.00557202	0.9889928	0.3869772	0.9077088	0.4371859	3.31E-05	3.31E-05	darkturquoise
0.4012411	0.8237013	0.2719861	0.9661819	0.9248215	0.8839744	1.05E-06	1.05E-06	brown
0.7330424	0.6566202	0.355174	0.3554693	0.7339791	0.5506981	0.05550854	0.05550854	grey
0.2162513	0.1729041	0.5247654	0.1393015	0.4751013	0.2189242	0.02947067	0.02947067	black
0.2005186	0.01695577	0.7236748	0.0648611	0.2357515	0.6784261	1.26E-06	1.26E-06	turquoise
0.09662534	0.6620461	0.08789429	0.1890154	0.9054863	0.2027392	0.3439742	0.3439742	grey
0.8399781	0.7025565	0.00626944	0.9683932	0.8097432	0.1629691	0.9343143	0.9343143	grey
0.1191129	0.2965558	0.04289279	0.5992737	0.5569359	0.1658001	0.00043365	0.00043365	turquoise
0.5281475	0.04511406	0.3234085	0.747497	0.9720845	0.9960735	2.49E-11	2.49E-11	yellow
0.05763936	0.4530459	0.1966965	0.2581708	0.4079811	0.197271	0.01263031	0.01263031	grey
0.4827506	0.6309464	0.203217	0.0449806	0.5621042	0.03274224	3.64E-10	3.64E-10	yellow
0.03195871	0.1281241	0.818883	0.8727084	0.4353665	0.8239029	0.1981737	0.1981737	grey
0.01818186	0.0300294	0.2834996	0.109867	0.7931272	0.0415949	0.1075886	0.1075886	darkgrey
0.08030905	0.04045727	0.03928444	0.2602414	0.4909463	0.6697867	2.88E-07	2.88E-07	brown
0.8635702	0.9148735	0.0003423	0.6469949	0.7923763	0.2776153	0.620078	0.620078	turquoise
0.0400071	0.3364197	0.04272983	0.0191977	0.7791171	0.5018916	0.9892152	0.9892152	grey
0.627828	0.362797	0.01377428	0.6132775	0.298762	0.349576	0.5084586	0.5084586	turquoise
0.1807655	0.05154106	0.01739211	0.3351131	0.9309835	0.1591605	0.00138051	0.00138051	grey60
0.4599719	0.7612935	0.5397864	0.7633281	0.4651133	0.6057229	0.8552701	0.8552701	grey
0.7482479	0.8568016	0.452844	0.4474777	0.5420336	0.4868312	1.15E-08	1.15E-08	yellow
0.9355825	0.9790001	0.3668158	0.9232096	0.6575782	0.6889939	0.5673204	0.5673204	blue
0.4585268	0.4317665	0.05668273	0.9896686	0.4019795	0.2388937	0.0323611	0.0323611	turquoise
0.06068907	0.1550754	0.00301625	0.259456	0.8210933	0.07312633	9.83E-05	9.83E-05	grey
0.9654375	0.09003825	0.00042436	0.4374632	0.7658419	0.2374217	0.00244567	0.00244567	green
0.2788144	0.01862554	0.3053341	0.6985829	0.9025352	0.8404255	1.29E-07	1.29E-07	brown
0.29167	0.3947307	0.3440775	0.4537232	0.9437058	0.3833845	0.1659143	0.1659143	blue
0.5648897	0.7855414	0.7722326	0.8688387	0.8686917	0.1382963	0.1034745	0.1034745	grey
0.4446203	0.824878	0.03269086	0.4965432	0.3173169	0.02882279	0.8102529	0.8102529	turquoise
0.6839705	0.1463631	0.04932251	0.3627751	0.190795	0.2240476	0.9772245	0.9772245	grey
0.489061	0.8517053	0.06499723	0.015719	0.6236593	0.01347467	0.3969078	0.3969078	green
0.1326428	0.9519604	0.8482875	0.8370269	0.6828559	0.5662962	0.00040521	0.00040521	grey
0.7396403	0.1405916	0.0060568	0.1644693	0.8453434	0.9403607	0.038683	0.038683	magenta
0.6501071	0.0958605	0.00847922	0.0399685	0.2865737	0.07333582	0.1691805	0.1691805	turquoise
0.9401116	0.08860512	0.00140872	0.0549283	0.2862324	0.01670084	0.6711165	0.6711165	magenta
0.3954101	0.1413468	0.8682931	0.3044638	0.3473177	0.4587019	0.00031245	0.00031245	brown
0.393849	0.00033023	0.05536755	0.3626721	0.8576906	0.8715073	1.81E-07	1.81E-07	turquoise
0.3333134	0.442592	0.7694578	0.8967769	0.4140422	0.3529806	0.8868501	0.8868501	darkgreen
0.3624473	0.00110801	0.07390478	0.6927644	0.7058816	0.6837178	6.60E-17	6.60E-17	brown
0.03100121	0.8244148	0.1345548	0.6922811	0.4335682	0.1805395	0.00136447	0.00136447	grey
0.5831185	0.1187675	1.48E-05	0.075339	0.8206531	0.2655303	2.87E-06	2.87E-06	turquoise
0.04412323	0.9993373	0.4092449	0.3306306	0.7447005	0.5034388	0.8648333	0.8648333	grey
0.1576423	0.6919778	0.07062599	0.1776741	0.2651295	0.03985309	0.4848332	0.4848332	turquoise
0.4026951	0.2419564	0.1108576	0.615384	0.4389569	0.4978908	0.05091807	0.05091807	blue
0.8044442	0.0307753	0.1858603	0.8754076	0.475045	0.7599713	2.91E-07	2.91E-07	brown
0.0528395	0.3811404	0.01966917	0.1348298	0.518736	0.03741488	0.00086425	0.00086425	turquoise
0.7656107	0.6053886	0.1512156	0.5294944	0.831727	0.678322	0.4606858	0.4606858	darkgreen
0.269117	0.3011196	0.01385495	0.0994989	0.9068914	0.3258452	0.0001719	0.0001719	yellow
0.5429149	0.7839511	0.00517888	0.1210675	0.8161045	0.04187411	0.5894117	0.5894117	turquoise
0.5230776	0.00046063	0.1550761	0.2705992	0.5698787	0.7355869	8.47E-18	8.47E-18	brown
0.6466173	0.1694584	0.07173941	0.8390995	0.3708648	0.2913473	3.71E-05	3.71E-05	grey

0.01955113	0.2849136	0.5702498	0.82531	0.5510142	0.1966309	0.6298276	0.6298276	grey
0.1577344	0.9693605	0.5628772	0.183733	0.9647261	0.5100502	0.02409409	0.02409409	grey
0.8161389	0.02022969	0.0202274	0.0316249	0.8386248	0.7638969	7.67E-08	7.67E-08	brown
0.9607494	0.3928132	0.6357513	0.5067122	0.8580591	0.5180802	0.8438613	0.8438613	grey
0.7635059	0.0038773	0.6383577	0.5424243	0.0961923	0.6789042	0.6416431	0.6416431	grey
0.4124847	0.9569277	0.2000872	0.9518144	0.8304447	0.4575956	9.62E-05	9.62E-05	red
0.07913066	0.1899752	0.7295247	0.414889	0.9392327	0.9531182	0.8686594	0.8686594	grey
0.4782535	0.3079371	0.00922365	0.5463695	0.7493933	0.2182321	0.00053929	0.00053929	grey
0.0016027	0.8166688	0.7263036	0.3344292	0.7119242	0.9475832	1.08E-05	1.08E-05	grey
0.619055	0.9605084	0.9119767	0.4157091	0.7086275	0.6575092	0.09726947	0.09726947	grey
0.5506466	0.2329509	0.02291906	0.9329866	0.8840381	0.7918109	4.37E-06	4.37E-06	green
0.4809115	0.2755896	0.1521969	0.3629235	0.8227364	0.2315106	0.4133358	0.4133358	blue
0.02602599	0.05170174	0.00089365	0.2630811	0.09507525	0.05193074	0.02109409	0.02109409	yellow
0.09560291	0.0167634	0.3854411	0.0072733	0.7928039	0.2088511	0.7769844	0.7769844	grey
0.8543099	0.4352692	0.00416211	0.2949931	0.8279469	0.5011542	1.68E-11	1.68E-11	yellow
0.1453301	0.2716916	0.1848691	0.7206575	0.1553662	0.863591	0.3905877	0.3905877	turquoise
0.756002	0.01251534	0.7891336	0.4836124	0.3453845	0.8724105	0.01687103	0.01687103	grey
0.676658	0.918584	0.1750823	0.6458506	0.9683262	0.7190765	0.3763573	0.3763573	blue
0.194585	0.301105	0.9120846	0.8300487	0.8018089	0.5627793	0.02916322	0.02916322	grey
0.1477446	0.3524427	0.4205339	0.9913817	0.4361035	0.7860867	7.28E-05	7.28E-05	turquoise
0.9816931	0.8598423	0.1766589	0.6747858	0.6701316	0.8542807	0.02442796	0.02442796	turquoise
0.4479081	0.3217946	0.9955644	0.5455904	0.861118	0.7184183	0.02274468	0.02274468	grey
0.9899086	0.02105456	0.01902433	0.3105598	0.9225556	0.1995419	0.0675082	0.0675082	turquoise
0.1223525	0.05770085	0.1213549	0.3056743	0.5199775	0.6084421	0.00363795	0.00363795	brown
0.2931503	0.1505362	0.9565457	0.9099061	0.3055142	0.3090505	8.68E-05	8.68E-05	blue
0.1822006	0.1427772	0.01228027	0.3496293	0.8107065	0.4402735	2.03E-05	2.03E-05	greenyellow
0.7713389	0.6601922	0.1793991	0.5398839	0.6461839	0.3836679	0.07127043	0.07127043	grey
0.3183134	0.8976779	0.9719329	0.6392266	0.8715034	0.3781993	0.6854239	0.6854239	grey
0.5976903	0.6112856	0.02376953	0.2114055	0.7954875	0.1372669	0.04874038	0.04874038	turquoise
0.2223432	0.8311209	0.5710324	0.3236479	0.6934926	0.7316566	0.01967569	0.01967569	turquoise
0.04131277	0.01640379	0.9671217	0.0945984	0.9653281	0.8960721	0.00521694	0.00521694	grey
0.5636856	0.04043946	0.00091949	0.0572132	0.6438158	0.05153533	0.4539667	0.4539667	turquoise
0.7296907	0.01837619	0.6433111	0.2468022	0.1182159	0.7536663	0.2451477	0.2451477	grey
0.07537572	0.8120073	0.4529532	0.5080961	0.3880399	0.4835974	0.00411385	0.00411385	turquoise
0.1741411	0.01783146	0.696054	0.7774875	0.4474822	0.5346617	0.9739583	0.9739583	grey
0.4394877	0.1243238	0.4007623	0.1611629	0.729601	0.7680368	0.01025623	0.01025623	grey
0.7822821	0.1716462	0.01841017	0.4485203	0.3838996	0.05846513	1.31E-31	1.31E-31	yellow
0.5150239	0.02683739	0.8480792	0.5241046	0.5042717	0.5231463	8.70E-05	8.70E-05	turquoise
0.1683867	0.997956	0.4956393	0.8872663	0.9074449	0.6736302	5.22E-07	5.22E-07	blue
0.1044842	0.1911902	0.8852396	0.3362225	0.1397811	0.4549647	1.40E-08	1.40E-08	blue
0.4237999	0.193732	0.1451391	0.8695037	0.3230131	0.9741764	0.00097404	0.00097404	grey
0.03304898	0.390787	0.601457	0.2538034	0.5229852	0.9810586	0.03399111	0.03399111	blue
0.9705556	0.2702715	0.0522923	0.8694451	0.8137387	0.8243817	1.82E-08	1.82E-08	brown
0.1218225	0.5935276	0.9435214	0.1867475	0.1278514	0.2994141	0.3446099	0.3446099	grey
0.5192023	0.1799793	0.00122082	0.0587152	0.8372011	0.2177329	0.00771145	0.00771145	turquoise
0.8223979	0.1692333	0.2990633	0.0782762	0.9394322	0.7238963	0.8643895	0.8643895	blue
0.9322691	0.07048228	0.05740844	0.3150062	0.6540993	0.6546263	0.7844258	0.7844258	grey
0.452235	0.09042822	0.4672018	0.6793498	0.7497117	0.6773874	0.8749619	0.8749619	grey60
0.1265518	0.2765745	0.6661119	0.5811123	0.9177328	0.6231968	0.1321836	0.1321836	turquoise
0.3431393	0.1421807	0.2939849	0.6659139	0.937028	0.1102957	2.01E-08	2.01E-08	blue
0.436252	0.5466378	0.3178287	0.9100953	0.8209392	0.2186306	0.01080449	0.01080449	turquoise
0.9351542	0.5412441	0.2954658	0.5089799	0.616673	0.4246427	0.3062419	0.3062419	grey
0.1190711	0.1101928	0.03393155	0.1455951	0.7280625	0.0789103	0.00114119	0.00114119	turquoise
0.9684233	0.9601224	0.3449162	0.3833451	0.8644244	0.3403439	0.09483482	0.09483482	grey
0.8028263	0.9520842	0.06265573	0.0429024	0.3844236	0.03758282	0.1145647	0.1145647	turquoise
0.3324178	0.5374899	0.9233503	0.3300646	0.9442287	0.9237392	0.01959531	0.01959531	grey
0.4875883	0.330976	0.05855942	0.2858332	0.772663	0.08434069	0.04701058	0.04701058	turquoise
0.04957736	0.9174565	0.00314598	0.0656714	0.186882	0.07447423	0.4665186	0.4665186	turquoise
0.6641772	0.1297239	0.4297268	0.8871284	0.6111934	0.3151633	0.2381258	0.2381258	blue
0.9176281	0.460939	0.03752484	0.904146	0.8766179	0.4216334	0.05607901	0.05607901	turquoise
0.5876874	0.7179809	0.2044577	0.5512852	0.7097944	0.6128022	0.01310509	0.01310509	green

0.8776421	0.1882274	0.8885977	0.5514215	0.4636057	0.6167716	0.00046138	0.00046138	grey
0.8386082	0.0281857	0.3734689	0.6845294	0.7834123	0.705057	2.23E-09	2.23E-09	black
0.8010452	0.9553937	0.231506	0.3807021	0.8609975	0.311491	0.00802524	0.00802524	black
0.8036745	0.06345229	0.7097362	0.7235628	0.8344254	0.9425456	0.9812685	0.9812685	turquoise
0.4314674	0.5967218	0.0302746	0.2786357	0.7940522	0.08821633	0.9179509	0.9179509	turquoise
0.9001345	0.2210734	0.00882785	0.3271402	0.5938318	0.00254761	0.00054137	0.00054137	turquoise
0.8794406	0.1043974	0.01284756	0.5871415	0.3400024	0.792353	2.07E-16	2.07E-16	brown
0.3120851	0.5895527	0.4177321	0.9666129	0.635216	0.4860907	0.01566973	0.01566973	turquoise
0.5028262	0.05506674	0.2633893	0.5785737	0.9525008	0.4732929	0.00224627	0.00224627	blue
0.1513239	0.7322567	0.2214708	0.3083526	0.01052427	0.2542217	0.1731254	0.1731254	pink
0.9396707	0.00029735	0.1723059	0.834095	0.9475618	0.3773315	1.67E-14	1.67E-14	brown
0.9097648	0.7171976	0.09312435	0.5169672	0.6551802	0.6952556	3.83E-17	3.83E-17	yellow
0.4844946	0.00339178	0.8173212	0.6974466	0.7066524	0.9738066	0.00462539	0.00462539	grey
0.2085474	0.6755748	0.4635916	0.9872164	0.9378476	0.7936133	0.5671811	0.5671811	salmon
0.1201285	0.1574571	0.3174967	0.4432995	0.7386766	0.7887281	0.03892755	0.03892755	midnightblue
0.148905	0.4761442	0.3298022	0.6221223	0.6099801	0.77597	0.07817551	0.07817551	turquoise
0.6970503	0.9702996	0.1010014	0.6452399	0.9744411	0.2784047	0.1211747	0.1211747	turquoise
0.6985983	0.062012	0.9830756	0.4532666	0.7494098	0.3346242	0.00024872	0.00024872	turquoise
0.6940657	0.9877728	0.06815976	0.541957	0.7675772	0.1112769	0.00435218	0.00435218	turquoise
0.9287043	0.02465735	0.01066656	0.3369402	0.2500267	0.08971285	1.08E-17	1.08E-17	yellow
0.4568473	0.00955705	0.02192006	0.0101156	0.3751348	0.1404191	0.00132988	0.00132988	blue
0.145711	0.5637009	0.3672425	0.1385628	0.5910733	0.8843038	0.02514048	0.02514048	turquoise
0.7242625	0.01413934	0.123511	0.1775265	0.9537942	0.07386198	0.01732434	0.01732434	turquoise
0.6229849	0.4478368	0.2763614	0.833191	0.7729532	0.877981	0.4640573	0.4640573	grey60
0.3772151	0.4895181	0.2641324	0.3149965	0.5971015	0.3051718	0.01056895	0.01056895	turquoise
0.1777451	0.2754957	0.07597749	0.5404836	0.9433859	0.8917295	0.7056743	0.7056743	turquoise
0.9761803	0.00088955	0.00542115	0.4323342	0.9693495	0.9194216	1.18E-18	1.18E-18	brown
0.4696232	0.7984143	0.09508504	0.5567792	0.4494578	0.3530107	0.9564312	0.9564312	blue
0.2100527	0.4256623	0.1073629	0.8292931	0.9309285	0.3482428	0.2743075	0.2743075	grey
0.2542459	0.2532511	0.031595	0.2847792	0.7775012	0.3063825	0.4650843	0.4650843	turquoise
0.948534	0.00543125	0.2296397	0.0038215	0.9103615	0.1765751	0.5930899	0.5930899	grey
0.00681737	0.599184	0.7355737	0.1477134	0.8375222	0.1029215	0.537543	0.537543	grey
0.191053	0.2036176	0.3952577	0.5964922	0.8081075	0.7355731	0.01122579	0.01122579	grey
0.3697267	0.4741507	0.5246579	0.3206564	0.3695843	0.8449215	0.5331603	0.5331603	grey
0.7944472	0.1205919	0.0956383	0.3615041	0.909603	0.3715175	9.22E-12	9.22E-12	blue
0.598339	0.6108677	0.00242395	0.1419768	0.5119954	0.1502031	0.1996116	0.1996116	pink
0.0781404	0.2040845	0.7585133	0.5321205	0.6470274	0.6529572	0.01255669	0.01255669	grey
0.6269845	0.00342177	0.03985929	0.8408211	0.6259081	0.1772938	1.21E-07	1.21E-07	grey
0.5258047	0.3020229	0.5697129	0.9742875	0.4211764	0.1848944	3.22E-05	3.22E-05	blue
0.1106058	0.1955128	0.02175091	0.3749755	0.9736528	0.4598953	0.1109686	0.1109686	turquoise
0.5128727	0.3388265	0.03574017	0.2051451	0.9796824	0.01630708	2.96E-06	2.96E-06	turquoise
0.2030356	0.6638519	0.02683315	0.3746299	0.04842939	0.07272432	0.03857503	0.03857503	grey
0.9435101	0.03883298	0.3702448	0.6747411	0.5725511	0.6885605	0.00627377	0.00627377	grey
0.2491944	0.04390495	0.525277	0.9375511	0.6241249	0.6803859	1.74E-11	1.74E-11	blue
0.8632069	0.864804	0.6437669	0.3605936	0.5575328	0.6124864	0.7632945	0.7632945	black
0.534563	0.1459076	0.348796	0.9506593	0.8655758	0.497068	0.01436386	0.01436386	turquoise
0.6811765	0.06862613	0.1821901	0.5079869	0.2745507	0.4967354	7.94E-06	7.94E-06	blue
0.2025788	0.7423151	0.6074943	0.9224224	0.1085839	0.3296128	0.3265052	0.3265052	turquoise
0.7086564	0.3118785	0.01438176	0.9996201	0.9266282	0.3985757	0.08206934	0.08206934	turquoise
0.3486296	0.4084681	0.04950354	0.1446057	0.6180789	0.516246	9.38E-05	9.38E-05	blue
0.5090744	0.5422612	0.08350209	0.8929446	0.7222692	0.7530465	0.7128777	0.7128777	blue
0.8584501	0.5819014	0.05347639	0.309881	0.8066907	0.7935712	2.55E-07	2.55E-07	turquoise
0.8471488	0.7415121	0.5192293	0.4233378	0.5842956	0.7710118	0.6310319	0.6310319	grey
0.4661398	0.02851477	0.7589244	0.3799205	0.4750349	0.5744495	0.00562586	0.00562586	blue
0.6415477	0.55765	0.00021609	0.1393451	0.9577442	0.01212987	0.04073729	0.04073729	turquoise
0.6157899	0.2133917	0.00154064	0.1564647	0.1109808	0.1240011	2.00E-06	2.00E-06	brown
0.9845439	0.80897	0.1806498	0.4965326	0.07892577	0.3317473	0.7090125	0.7090125	grey
0.7496583	0.6711432	0.8704021	0.5559643	0.9980449	0.1728768	0.06679974	0.06679974	grey
0.3702985	0.02061162	0.00028964	0.0561488	0.9057611	0.749018	7.34E-22	7.34E-22	yellow
0.2240517	0.2333038	0.361587	0.8732197	0.5744603	0.3965607	0.1522473	0.1522473	darkred
0.6701891	0.6830676	0.01025685	0.0801187	0.8241676	0.2008311	6.75E-08	6.75E-08	yellow

0.05075341	0.7767686	0.987444	0.3683019	0.2723788	0.2805443	0.1252688	0.1252688	grey
0.1359744	0.2331108	0.4080512	0.7604994	0.975228	0.2873508	0.00220119	0.00220119	grey
0.484912	0.00237624	0.2822368	0.1206367	0.02633418	0.4604733	0.00020339	0.00020339	blue
0.9938621	0.3237935	0.01623436	0.4597703	0.3092949	0.8422672	0.3436151	0.3436151	brown
0.8241564	0.1239981	0.1511546	0.6879895	0.2563422	0.3680126	0.03692052	0.03692052	blue
0.500596	0.3985026	0.7349677	0.6490062	0.9727286	0.210282	0.00129457	0.00129457	blue
0.9018682	0.1028298	0.06996419	0.1141768	0.6554979	0.1376586	4.87E-06	4.87E-06	turquoise
0.1581959	0.7338852	0.9792301	0.5918981	0.8963066	0.6356048	0.7845163	0.7845163	grey
0.2237669	0.09943739	0.9049907	0.7126713	0.09160544	0.1114755	0.00027701	0.00027701	blue
0.8188474	0.77418	0.00047359	0.0417869	0.7135872	0.1361133	0.00032571	0.00032571	magenta
0.4924535	0.4943965	0.03643327	0.3477592	0.2632355	0.1598009	5.03E-05	5.03E-05	turquoise
0.367182	0.4071678	0.4748385	0.4479004	0.3191914	0.3139423	0.00230955	0.00230955	turquoise
0.9096245	0.4217016	0.4930376	0.9512436	0.7262497	0.9452028	0.1327463	0.1327463	grey
0.1785592	0.7493832	0.3246873	0.2634331	0.7764004	0.1714089	0.2567882	0.2567882	grey
0.5645762	0.03362391	0.1815728	0.0758002	0.5208423	0.00701244	0.1861867	0.1861867	grey
0.7369418	0.4559747	0.09072852	0.5848703	0.7723108	0.2711332	0.842292	0.842292	turquoise
0.8891169	0.1524991	0.04620973	0.1951755	0.5401509	0.2522857	5.18E-20	5.18E-20	yellow
0.2107267	0.8531362	0.0550852	0.628957	0.3290527	0.6131282	0.4349383	0.4349383	grey
0.4193478	0.2016076	0.03258368	0.7920837	0.8127776	0.4196044	0.7014982	0.7014982	turquoise
0.1800258	0.6745753	0.03361985	0.0640303	0.6853344	0.03748192	0.1868332	0.1868332	grey
0.9128714	0.1088544	0.00497216	0.7454696	0.6387573	0.9443172	8.55E-08	8.55E-08	brown
0.969192	0.00492454	0.8832984	0.7444276	0.3452852	0.9651713	0.01874369	0.01874369	turquoise
0.8225632	0.4274125	0.7225527	0.3045342	0.2283905	0.5167438	0.5186862	0.5186862	turquoise
0.8057481	0.2436635	9.51E-05	0.1263146	0.168562	0.3461362	1.59E-08	1.59E-08	brown
0.358942	0.1922663	0.124109	0.5847909	0.4082044	0.2607949	1.38E-05	1.38E-05	turquoise
0.6045281	0.02195575	0.4333395	0.6097109	0.9725028	0.3576212	6.18E-05	6.18E-05	greenyellow
0.8117059	0.5580616	0.1605141	0.2569271	0.3120715	0.4118685	0.5627082	0.5627082	turquoise
0.832779	0.1585716	0.1195918	0.737792	0.02398539	0.41941	0.7945243	0.7945243	grey
0.00119623	0.06118074	0.8183599	0.9041153	0.8858343	0.3823264	0.2494808	0.2494808	blue
0.4594658	0.6082984	0.2036578	0.5227552	0.3032521	0.9017806	1.33E-05	1.33E-05	brown
0.8937375	0.3815179	0.00184289	0.3266764	0.818416	0.08101659	0.00220216	0.00220216	turquoise
0.9524485	0.00085541	0.3961094	0.7934991	0.4715111	0.7149005	0.00193758	0.00193758	grey
0.9466883	0.485917	0.00536657	0.492892	0.5383923	0.3599135	0.3284584	0.3284584	green
0.9285416	0.07540989	0.02239428	0.3464348	0.6934467	0.07836061	0.00405005	0.00405005	turquoise
0.921556	0.05856248	0.8575151	0.352393	0.2983693	0.3729471	2.91E-05	2.91E-05	blue
0.7884327	0.1095969	0.8218753	0.7400337	0.6277918	0.4676126	0.03365524	0.03365524	grey
0.297959	0.190402	0.1547685	0.2116564	0.6790898	0.6863404	0.00431378	0.00431378	grey
0.7818561	0.8785277	0.03716224	0.1557868	0.715709	0.5736969	0.6021675	0.6021675	turquoise
0.8584926	0.7098646	0.965418	0.1278064	0.5783244	0.4078139	0.00027662	0.00027662	lightcyan
0.867459	0.08694956	0.5531635	0.5781025	0.1372308	0.8150176	2.55E-05	2.55E-05	grey
0.05187318	0.3549949	0.2890459	0.5132745	0.5136386	0.1255451	0.5290537	0.5290537	turquoise
0.1431608	0.188805	0.8847692	0.8790616	0.288827	0.3772894	0.5497613	0.5497613	blue
0.4525705	0.7378721	0.1756681	0.0809281	0.5357298	0.5497809	0.2342682	0.2342682	grey
0.6666565	0.7286177	0.3816633	0.4174223	0.4046481	0.7407034	0.232659	0.232659	royalblue
0.5681147	0.9413181	0.3354299	0.6052808	0.7781652	0.3558696	0.02751856	0.02751856	turquoise
0.3442815	0.04978757	0.2490132	0.3183843	0.9749007	0.1799083	0.00115589	0.00115589	red
0.8199366	0.12393	0.04844813	0.2171769	0.2558151	0.3742651	0.1953686	0.1953686	black
0.5882936	0.1580721	0.1643189	0.9708448	0.4201966	0.46337	1.90E-05	1.90E-05	blue
0.1862413	0.3715144	0.8913317	0.8426181	0.9846096	0.5676493	0.4951604	0.4951604	red
0.6101567	0.00155595	0.1821482	0.3560024	0.8075352	0.5352991	6.10E-08	6.10E-08	blue
0.4548554	0.4296061	0.649369	0.1743016	0.7589982	0.0737058	0.6650448	0.6650448	green
0.927111	0.7262128	0.01734329	0.2275782	0.5765992	0.06578867	0.9273018	0.9273018	turquoise
0.8676643	0.8186095	0.9902625	0.9529724	0.00070605	0.4168477	0.7336404	0.7336404	lightcyan
0.5597087	0.05833994	0.3554443	0.9181431	0.2873393	0.4608921	0.8843299	0.8843299	cyan
0.3348923	0.01169746	0.759286	0.6821315	0.7725638	0.8159717	0.5607601	0.5607601	grey
0.05343418	0.7209239	0.04311231	0.0719059	0.9309522	0.305036	0.1619366	0.1619366	grey
0.197872	0.4285372	0.3491602	0.1025594	0.649174	0.3996604	0.09431204	0.09431204	greenyellow
0.2842048	0.8142097	0.04033811	0.6492984	0.9265423	0.1251077	0.1149601	0.1149601	grey
0.9705289	0.00764643	0.00032968	0.0145556	0.4719798	0.02197941	0.3201688	0.3201688	grey60
0.2108702	0.1535056	0.3941404	0.5903159	0.01007124	0.4929801	0.6561579	0.6561579	grey
0.9442558	0.3162104	0.2448432	0.6601045	0.7122939	0.1404761	0.00028952	0.00028952	blue

0.9028027	0.8248362	0.1076505	0.9148595	0.963961	0.3284619	2.47E-05	2.47E-05	turquoise
0.6116894	0.00070026	0.00031933	0.0287212	0.9047914	0.5487348	3.47E-15	3.47E-15	brown
0.2417922	0.1408923	0.7387277	0.8043164	0.821165	0.5640619	0.2400471	0.2400471	grey
0.2058691	0.4273331	0.8563899	0.4552312	0.6465436	0.4073977	1.03E-08	1.03E-08	brown
0.7060148	0.9181956	0.09459518	0.1876607	0.4327881	0.2823301	0.5112092	0.5112092	turquoise
0.1924188	0.802474	0.4032942	0.166703	0.9549838	0.9865475	0.00818134	0.00818134	tan
0.2752843	0.1050116	0.6287047	0.4785177	0.7133557	0.2299144	0.00017651	0.00017651	turquoise
0.2826566	0.7721691	0.3065524	0.7525049	0.4954883	0.8885089	0.3830446	0.3830446	grey
0.8708764	0.6977144	0.07730639	0.1316324	0.7678885	0.4872168	0.01739758	0.01739758	turquoise
0.4775825	0.2732378	1.09E-05	0.3375143	0.6365424	0.1233876	0.4025513	0.4025513	turquoise
0.06694178	0.9987206	0.04486118	0.9917068	0.7426787	0.5572421	0.333578	0.333578	turquoise
0.8224562	0.666953	0.3551387	0.6735166	0.2351213	0.5739412	0.07122683	0.07122683	grey
0.4477276	0.3993666	0.00652355	0.257407	0.7555564	0.1560175	0.1968272	0.1968272	turquoise
0.377457	0.6850204	0.4539277	0.2993439	0.5793443	0.2984139	0.3634261	0.3634261	turquoise
0.1863212	0.3306254	0.02702007	0.267318	0.6284502	0.1677279	0.02677973	0.02677973	grey
0.4428875	0.192849	0.1959114	0.3155952	0.5239355	0.6942032	0.2333629	0.2333629	blue
0.300077	0.9025897	0.9087997	0.2140965	0.8478537	0.6722848	0.03796504	0.03796504	grey
0.5231519	0.01129327	0.4703688	0.5970522	0.9514821	0.7235651	1.91E-05	1.91E-05	blue
0.2944379	0.06960901	0.1681126	0.9077265	0.5941358	0.6773617	0.1360465	0.1360465	grey
0.6649358	0.7200503	0.00013395	0.416255	0.03297034	0.4341268	0.08491249	0.08491249	turquoise
0.5494321	0.00015018	0.2887517	0.291693	0.239127	0.2409246	5.43E-17	5.43E-17	brown
0.08133276	0.04348675	0.3113016	0.6223162	0.3812149	0.3830966	3.28E-09	3.28E-09	blue
0.6386078	0.3487727	0.2314036	0.6135455	0.9348451	0.2323862	0.0008478	0.0008478	grey
0.8817356	0.8926382	0.8521617	0.9993256	0.8978992	0.3581269	0.00653413	0.00653413	grey
0.726953	0.2398637	0.555557	0.2769076	0.7501575	0.331183	0.2001184	0.2001184	turquoise
0.5158625	0.2775156	0.07595224	0.0188183	0.9531493	0.2350311	0.00012032	0.00012032	brown
0.4288539	0.1711139	0.1524553	0.3273733	0.2083244	0.06196233	0.8709479	0.8709479	grey
0.8376924	0.7017268	0.07425301	0.3422833	0.3881808	0.3695756	0.4798367	0.4798367	turquoise
0.4083825	0.9075871	2.47E-05	0.0494357	0.3355771	0.3383313	0.5856472	0.5856472	magenta
0.1750588	0.2922199	0.7134848	0.7393186	0.8962102	0.7024145	0.1212788	0.1212788	cyan
0.00851665	0.9252903	0.6951587	0.3501601	0.7540328	0.7116487	0.036915	0.036915	grey
0.5057598	0.3268432	0.5045962	0.690423	0.6170343	0.8374081	0.796511	0.796511	grey
0.5273279	0.1194827	0.677803	0.1717511	0.9230544	0.9169884	0.2696323	0.2696323	grey
0.9365604	0.02977718	0.1152477	0.7822767	0.4608449	0.3980008	7.36E-05	7.36E-05	blue
0.1454185	0.5942434	0.9543027	0.6320527	0.923144	0.3524364	3.69E-06	3.69E-06	yellow
0.2126837	0.9928154	0.9381533	0.5587852	0.8695381	0.8605723	0.02795757	0.02795757	turquoise
0.8447841	0.4428087	0.8505579	0.5422848	0.5266771	0.632631	0.00731301	0.00731301	turquoise
0.8572321	0.3099245	0.9321461	0.2504937	0.7302859	0.7346071	0.1601387	0.1601387	grey
0.01343585	0.6109445	0.1233388	0.1391645	0.7709594	0.5697738	0.01222399	0.01222399	turquoise
0.470807	0.6167788	0.9222172	0.770921	0.5958643	0.7425069	0.00128641	0.00128641	grey
0.5698399	0.00703166	0.1864025	0.245289	0.379068	0.7185116	2.34E-10	2.34E-10	brown
0.09403323	0.980681	0.4044975	0.2332712	0.8659548	0.7362332	0.9403995	0.9403995	grey
0.1726585	0.758258	0.3099344	0.6657393	0.6062581	0.8287001	0.02427979	0.02427979	turquoise
0.5419618	0.0156261	0.1935189	0.7904542	0.9035095	0.2673452	0.4564721	0.4564721	grey
0.5807383	0.3750363	0.07736048	0.0305288	0.146605	0.1306942	0.0006683	0.0006683	grey
0.08502148	0.7114769	0.3080404	0.5718077	0.8766485	0.7320053	0.6859695	0.6859695	grey
0.3196737	0.265815	0.7858126	0.2973559	0.9225326	0.3016871	0.1136716	0.1136716	blue
0.6312878	0.7698225	0.113527	0.1429821	0.3812419	0.6415818	0.1046947	0.1046947	grey60
0.7514027	0.3652174	0.1467376	0.7578239	0.4773502	0.910291	0.3467947	0.3467947	turquoise
0.1594656	0.7693259	0.1447849	0.6650901	0.8174326	0.4816759	0.6918619	0.6918619	grey
0.06665624	0.1845582	0.2664188	0.0625309	0.8479357	0.3215941	0.1648574	0.1648574	grey
0.1847175	0.0066138	0.7667696	0.0375946	0.4113871	0.7100656	0.01272381	0.01272381	grey60
0.2393997	0.6690326	0.3499214	0.7069563	0.3242546	0.08472455	0.00099068	0.00099068	skyblue
0.025291	0.09807373	0.3919725	0.2486717	0.7826531	0.4694918	0.1007085	0.1007085	blue
0.4162528	0.03029781	0.07214853	0.1092372	0.8552178	0.481383	1.91E-14	1.91E-14	brown
0.3702397	0.7410421	0.01516258	0.6255853	0.8425512	0.07111139	0.04222204	0.04222204	blue
0.9747808	0.5659436	0.3794193	0.1680195	0.377585	0.2525976	0.02930167	0.02930167	grey
0.1986253	0.7569909	0.6227322	0.7414805	0.7454594	0.5803561	0.9142749	0.9142749	red
0.6245785	0.00648581	0.00302247	0.3716727	0.6174105	0.0528755	0.3000079	0.3000079	green
0.7771918	0.0152928	0.0167724	0.3876938	0.6722292	0.1305519	2.68E-05	2.68E-05	blue
0.8270756	0.2520526	0.04873359	0.2532009	0.5826357	0.4615871	0.7582308	0.7582308	grey

0.2932275	0.4167065	0.5781802	0.91195	0.9423894	0.156781	0.00012987	0.00012987	grey
0.6182561	0.05151766	0.00917959	0.3815848	0.6050608	0.07207201	4.26E-08	4.26E-08	turquoise
0.0141091	0.394534	0.5121125	0.4913875	0.3465065	0.6492061	4.03E-08	4.03E-08	turquoise
0.2036385	0.9171169	0.2375233	0.8090594	0.6816359	0.3610008	0.0025276	0.0025276	grey
0.5581764	0.4218608	0.9587026	0.436607	0.1712341	0.6946358	0.00406478	0.00406478	greenyellow
0.5496219	0.5625883	0.3524947	0.575551	0.3287406	0.7686899	0.163874	0.163874	blue
0.04406668	0.01422487	0.8706219	0.4936386	0.6515469	0.8401695	0.1662451	0.1662451	blue
0.8245143	0.9125051	0.9825353	0.6923998	0.8448844	0.2407939	0.2698075	0.2698075	turquoise
0.7861539	0.1401628	0.06081695	0.7948601	0.3466813	0.8889809	0.7758862	0.7758862	turquoise
0.5256472	0.02364353	0.5554871	0.1126759	0.8533945	0.3524325	2.62E-05	2.62E-05	grey
0.842028	0.2189994	0.00948205	0.0176115	0.7172134	0.0714395	0.8137302	0.8137302	grey
0.5888155	0.7686281	0.06109004	0.7779976	0.7360405	0.3799666	0.6613374	0.6613374	turquoise
0.779187	0.3060248	0.8996963	0.6738771	0.8958655	0.07143546	5.48E-13	5.48E-13	brown
0.9250274	0.2886908	0.05505041	0.4734759	0.0305094	0.4298444	0.03337541	0.03337541	blue
0.4781975	0.00371685	0.0124755	0.2256559	0.5150537	0.9372262	3.94E-11	3.94E-11	brown
0.06105612	0.06149471	0.9092989	0.7174463	0.5921923	0.3169836	1.95E-07	1.95E-07	blue
0.02194364	0.1886819	0.9874933	0.2409909	0.7614674	0.7401403	0.1907431	0.1907431	turquoise
0.8342275	0.6160202	0.3828725	0.1129715	0.2520323	0.03744439	0.2795074	0.2795074	turquoise
0.01543629	0.00950179	0.6718906	0.9387831	0.7931851	0.9977733	9.43E-06	9.43E-06	turquoise
0.7567227	0.5182577	0.3784886	0.7540954	0.5158012	0.5818909	0.32752	0.32752	turquoise
0.0989278	0.4274966	0.2906521	0.2934287	0.7497389	0.8903146	0.9574429	0.9574429	midnightblue
0.3503413	0.3705401	0.00717706	0.0513446	0.9936407	0.9458058	0.01992858	0.01992858	magenta
0.3016479	0.01267123	0.7594789	0.6015914	0.7096651	0.4897227	1.75E-07	1.75E-07	blue
0.8090007	0.06304545	0.6804412	0.7882564	0.05075412	0.3667135	0.2906099	0.2906099	grey
0.5545254	0.6793498	0.00306417	0.1049409	0.8623592	0.3846537	0.4403743	0.4403743	turquoise
0.06859377	0.1550617	0.04277457	0.2468336	0.3462989	0.1743662	0.0373887	0.0373887	grey
0.7674897	0.8743048	0.00543986	0.4157928	0.9952172	0.9567003	3.46E-05	3.46E-05	grey
0.9637535	0.0181486	0.01570582	0.0565075	0.8670195	0.03506913	5.68E-19	5.68E-19	brown
0.4298827	0.899689	0.08861546	0.350981	0.9255761	0.3141227	4.16E-06	4.16E-06	turquoise
0.3846844	0.2220678	0.2298376	0.651813	0.4472368	0.03547587	1.27E-05	1.27E-05	blue
0.04187247	0.9204465	0.3999978	0.7648258	0.7214758	0.5864289	0.00495614	0.00495614	brown
0.9305674	0.5377531	0.466264	0.1168258	0.7505223	0.9926221	0.8711001	0.8711001	grey
0.1748555	0.0578083	0.1943019	0.9132482	0.8586679	0.1678729	0.00023939	0.00023939	turquoise
0.956875	0.2605081	0.3249196	0.9407577	0.1297117	0.2153267	0.03194345	0.03194345	grey
0.851255	0.7026807	0.02453212	0.9097701	0.5301596	0.260872	0.732873	0.732873	turquoise
0.8961683	0.5050012	0.8973473	0.5783836	0.246166	0.543165	0.2573118	0.2573118	blue
0.8616323	0.8848843	0.2077978	0.8750377	0.7071811	0.9238611	0.1560022	0.1560022	turquoise
0.3041919	0.00232363	0.1360679	0.5173017	0.6011067	0.8922434	5.58E-14	5.58E-14	brown
0.02176086	0.07975154	0.09865691	0.609643	0.6189784	0.8082398	0.5294312	0.5294312	grey
0.2705057	0.6573694	0.02088049	0.9307651	0.8738116	0.3481307	0.2038169	0.2038169	green
0.7271527	0.00030707	0.00113417	0.0439704	0.5169519	0.5803335	5.51E-30	5.51E-30	yellow
0.8443436	0.9552741	0.456856	0.1982147	0.8854297	0.8535017	0.08154187	0.08154187	blue
0.04276029	0.4974572	0.2230802	0.1136606	0.6228729	0.6650693	0.00398312	0.00398312	grey
0.2131793	0.08856985	0.1772813	0.7317027	0.1326417	0.72231	0.00063344	0.00063344	darkgreen
0.1141737	0.4438594	0.00234702	0.0603103	0.2239781	0.2052518	0.3074826	0.3074826	turquoise
0.2527606	0.5821629	0.0419657	0.161756	0.2110122	0.09617593	0.1581392	0.1581392	turquoise
0.6339665	0.06421018	0.04389359	0.1181658	0.1876987	0.03415465	3.78E-07	3.78E-07	turquoise
0.2193125	0.346472	0.2048119	0.5239509	0.743407	0.9645688	0.4255403	0.4255403	grey
0.03166652	0.2630881	0.1143272	0.3172867	0.5853414	0.5432951	5.26E-07	5.26E-07	yellow
0.1634751	0.7840361	0.00284034	0.3477806	0.1181907	0.074378	0.02222681	0.02222681	blue
0.3903256	0.8788455	0.1635116	0.0804174	0.9317635	0.4329421	0.1561321	0.1561321	turquoise
0.01914605	0.7096684	0.9787655	0.5936722	0.9974295	0.3701981	0.00584678	0.00584678	blue
0.3862047	0.01803252	0.00203853	0.1379323	0.241146	0.552976	2.19E-08	2.19E-08	magenta
0.2979331	0.8995993	0.09755162	0.6136581	0.865475	0.1117817	0.1796777	0.1796777	tan
0.3061919	0.4812073	0.6161301	0.3291316	0.9694102	0.3591385	0.2428996	0.2428996	lightyellow
0.1320148	0.01074235	0.4771308	0.1044136	0.09564112	0.7506294	0.07224459	0.07224459	grey
0.5318979	0.04440075	0.7622111	0.3435745	0.1303828	0.4711061	0.00031064	0.00031064	blue
0.9979219	0.2257643	0.5766254	0.090512	0.508625	0.2592036	0.00272925	0.00272925	brown
0.7507479	0.7611679	0.0058498	0.2279825	0.7865211	0.1964486	0.2020297	0.2020297	pink
0.3276872	0.7598897	0.04116013	0.0426405	0.8102484	0.01051805	0.03007459	0.03007459	turquoise
0.7020802	0.1080763	0.00321541	0.3195094	0.372018	0.2353077	1.36E-11	1.36E-11	green

0.1850501	0.07609867	0.286905	0.2053164	0.7267222	0.6232023	0.00734836	0.00734836	brown
0.3976655	0.06636102	0.1577844	0.8981681	0.449611	0.7764003	0.00014865	0.00014865	turquoise
0.2659776	0.1363769	0.1926466	0.525353	0.8010104	0.2305846	0.017558	0.017558	turquoise
0.1962829	0.08840383	0.8301939	0.7093151	0.8496761	0.3434328	2.19E-05	2.19E-05	blue
0.245398	0.5864714	2.23E-05	0.0727512	0.6442168	0.02457479	0.4280295	0.4280295	turquoise
0.1445411	0.4274095	0.3372159	0.5530382	0.7459947	0.8899404	6.25E-19	6.25E-19	yellow
0.3739995	0.01142702	0.6159142	0.5793558	0.337855	0.318241	0.09641794	0.09641794	turquoise
0.6630406	0.2699005	0.4206382	0.8814378	0.9004097	0.980864	0.09294725	0.09294725	darkgreen
0.7489036	0.04154278	0.3898345	0.5998516	0.7665732	0.6221016	0.1207555	0.1207555	blue
0.6477797	0.9124117	0.0008661	0.1122355	0.5818333	0.153504	0.1367914	0.1367914	pink
0.4826169	0.02131567	0.4085734	0.7894635	0.1906181	0.8730927	1.01E-06	1.01E-06	turquoise
0.8847782	0.3951684	0.4884017	0.4154781	0.5811417	0.7865008	0.09630693	0.09630693	grey
0.5459343	0.7021931	0.4399104	0.9426802	0.659601	0.6241533	0.8257018	0.8257018	grey
0.4279154	0.8823764	0.03804104	0.0054722	0.8513607	0.02067616	0.4787627	0.4787627	grey
0.01288248	0.7301226	0.9698975	0.8758001	0.4488655	0.5712649	0.06536427	0.06536427	turquoise
0.3096319	0.3033877	0.8696936	0.6846081	0.04538807	0.613078	0.9240798	0.9240798	blue
0.8582344	0.5318139	0.2632689	0.0251796	0.8997286	0.3534738	2.81E-05	2.81E-05	grey
0.3141418	0.3861666	0.00101133	0.2064832	0.4494081	0.2401387	2.13E-10	2.13E-10	brown
0.07375816	0.1749193	0.9769737	0.1419111	0.859959	0.530226	0.1018228	0.1018228	blue
0.9991978	0.104206	0.1256897	0.5709097	0.6382885	0.7578186	2.30E-19	2.30E-19	yellow
0.9091727	0.5628278	0.5106114	0.0846893	0.1718186	0.1299669	0.0766006	0.0766006	turquoise
0.6155902	0.5158799	0.8064636	0.3053635	0.5112586	0.380387	0.9209035	0.9209035	cyan
0.3923862	0.00188092	0.03044022	0.5652418	0.5078873	0.01460121	0.00026938	0.00026938	turquoise
0.7380699	0.3865103	0.3794445	0.6645347	0.8842097	0.5388037	0.1972712	0.1972712	turquoise
0.2692793	0.08612916	0.01636095	0.1718381	0.5357148	0.230356	1.03E-28	1.03E-28	yellow
0.2938979	0.1029267	0.00941996	0.4127024	0.6786006	0.5369197	1.03E-19	1.03E-19	yellow
0.1285082	0.1328762	0.08877287	0.3817737	0.417959	0.8744061	0.05620473	0.05620473	grey
0.9875591	0.1532194	0.01473871	0.4399048	0.9773173	0.2160678	0.1690409	0.1690409	grey
0.9874451	0.3999823	0.7148979	0.7545984	0.8646354	0.7276754	0.2790229	0.2790229	grey
0.6356262	0.9195799	0.4588036	0.9454868	0.9692587	0.1432821	0.368893	0.368893	turquoise
0.6693738	0.8873561	0.5524189	0.0457229	0.5381503	0.6279935	0.0661819	0.0661819	black
0.6557677	8.55E-05	0.8701309	0.3320333	0.9486538	0.9065453	1.58E-14	1.58E-14	grey
0.3469873	0.06009624	0.2353686	0.0577247	0.8657475	0.0387385	0.00733212	0.00733212	grey
0.5897272	0.00074901	0.00859764	0.0407549	0.3735665	0.9392428	3.83E-18	3.83E-18	yellow
0.9661458	0.6211529	4.35E-05	0.4788998	0.08052035	0.03316745	0.3871022	0.3871022	turquoise
0.5151625	0.06340249	0.4565017	0.1896938	0.228113	0.4336842	5.58E-15	5.58E-15	brown
0.2857334	0.00884914	0.1146382	0.557945	0.6793092	0.2534082	4.93E-07	4.93E-07	blue
0.4620973	0.8136269	0.8352399	0.9442064	0.9856854	0.7209552	0.5692339	0.5692339	grey
0.1173401	0.1423405	0.3136288	0.1415566	0.1132863	0.7236815	9.78E-07	9.78E-07	grey
0.3017813	0.8755208	0.00739551	0.961618	0.7623245	0.1323152	0.1212048	0.1212048	turquoise
0.9088271	0.04635944	0.08283186	0.0398822	0.3793478	0.05141666	0.00128674	0.00128674	turquoise
0.04470142	0.2438917	0.3939328	0.1662204	0.5845463	0.3417423	0.4108201	0.4108201	grey
0.9515242	0.8666202	0.4022513	0.1367129	0.08753419	0.1910512	0.4947334	0.4947334	turquoise
0.2819421	0.6636167	0.00107977	0.4577644	0.5493708	0.3773531	0.4885752	0.4885752	pink
0.8393008	0.8859874	0.07741344	0.9500551	0.8511114	0.2775618	0.5207173	0.5207173	turquoise
0.3854368	0.2350925	0.247535	0.9257849	0.9858987	0.8252581	0.04730385	0.04730385	green
0.8224069	0.7415985	0.03720953	0.0360372	0.07074031	0.2058691	0.4460929	0.4460929	turquoise
0.2837343	0.26799	0.2564584	0.2666613	0.3739881	0.1294437	1.09E-05	1.09E-05	blue
0.165515	0.3448717	0.7101632	0.5891298	0.4710524	0.5713702	0.1272348	0.1272348	red
0.5924359	0.7303855	0.00017299	0.011859	0.8819143	0.00065971	0.4649133	0.4649133	turquoise
0.04652998	0.9730558	0.5956608	0.7105345	0.967953	0.2039326	0.1754374	0.1754374	turquoise
0.1730556	0.8906612	0.07578648	0.0024745	0.1910888	0.1079766	0.5290798	0.5290798	turquoise
0.9425836	0.05708018	0.00228129	0.1402675	0.4137279	0.04181106	0.00040301	0.00040301	turquoise
0.01925996	0.04566272	0.116153	0.8629931	0.2476269	0.31497	0.00018765	0.00018765	grey
0.3440621	0.7603218	0.00515618	0.4673365	0.4292793	0.181906	0.7949127	0.7949127	lightcyan
0.1386421	0.5583735	0.717754	0.0915531	0.6657611	0.9949019	0.00938307	0.00938307	blue
0.3783034	0.2528109	0.2415896	0.6085898	0.9991529	0.3154484	0.5982715	0.5982715	red
0.1049623	0.956589	0.06186733	0.1663982	0.3458293	0.09441687	0.1885338	0.1885338	grey
0.09611198	0.5644261	0.00629057	0.2587902	0.3620279	0.4418289	0.7208552	0.7208552	grey
0.360694	0.1208166	0.00334194	0.1241791	0.7238882	0.106862	0.3073653	0.3073653	turquoise
0.3386259	0.332378	0.00089991	0.0227531	0.8844249	0.03400454	0.01961911	0.01961911	turquoise

0.1635608	0.01674564	0.02871341	0.0914438	0.868573	0.5136606	0.3016529	0.3016529	grey
0.06641951	0.7933837	0.03183805	0.1942538	0.6864921	0.1051741	0.6921333	0.6921333	turquoise
0.5022011	0.4789694	0.2266163	0.0132958	0.5028586	0.0089133	0.3576136	0.3576136	grey
0.9447899	0.2940927	0.5219693	0.8220481	0.4583145	0.8891006	0.2835594	0.2835594	grey
0.3764635	0.4877367	0.893572	0.6113425	0.7795875	0.5601848	0.2487361	0.2487361	grey
0.7429204	0.01984359	0.7574224	0.67595	0.6816991	0.9002645	0.03781237	0.03781237	grey
0.8758639	0.7769133	0.5292142	0.6352771	0.5666325	0.8277287	0.7570649	0.7570649	grey
0.633925	0.9710906	0.09784836	0.4824124	0.7444264	0.5012286	0.00022184	0.00022184	turquoise
0.1414341	0.6164257	0.536068	0.3411774	0.5984777	0.8099962	0.6015227	0.6015227	blue
0.3216217	0.4924926	0.1071869	0.0264467	0.8459694	0.03396492	0.1666602	0.1666602	turquoise
0.5621179	0.3510489	0.00283752	0.2261769	0.5215508	0.1428608	0.00098946	0.00098946	turquoise
0.2016128	0.08247898	0.08617444	0.4550145	0.6950172	0.2690978	0.3177863	0.3177863	darkred
0.8486213	0.1951037	0.4334574	0.9248451	0.490008	0.5881606	0.02472886	0.02472886	grey
0.1693821	0.00167605	0.9258824	0.7025448	0.249588	0.9531061	0.00210756	0.00210756	grey
0.8240612	0.5721936	0.9390229	0.1844257	0.3741237	0.1812206	0.664417	0.664417	grey
0.9556356	0.8768174	0.01705147	0.2461363	0.1722335	0.4805819	0.3852977	0.3852977	turquoise
0.420787	0.6319145	0.4413675	0.9278104	0.6334121	0.1469123	0.00026452	0.00026452	blue
0.2065143	0.03704297	0.2566061	0.1727021	0.8196609	0.07355071	6.27E-05	6.27E-05	blue
0.7114406	0.07093355	0.961564	0.8462647	0.3934536	0.8424918	2.98E-05	2.98E-05	blue
0.0012407	0.1216298	0.1885545	0.4302249	0.8146785	0.8036735	0.08774528	0.08774528	turquoise
0.1897602	0.2555108	0.7108618	0.3673361	0.1406188	0.595855	0.00399124	0.00399124	grey
0.7937652	0.03290585	0.09899543	0.153596	0.6157402	0.1533707	7.00E-11	7.00E-11	yellow
0.8284275	0.6504442	2.84E-05	0.2679252	0.6655653	0.2057039	0.03164823	0.03164823	turquoise
0.8252175	0.122165	0.00050202	0.2356403	0.804533	0.03517258	0.1878008	0.1878008	turquoise
0.6417383	0.2578641	0.03223539	0.2477031	0.8479993	0.1099455	0.634265	0.634265	blue
0.750595	0.1465192	0.8879842	0.8010437	0.5909956	0.1721401	1.88E-06	1.88E-06	blue
0.149379	0.05407539	0.5188869	0.1249094	0.05531174	0.9062408	0.9249786	0.9249786	grey
0.7018373	0.1101211	0.3670351	0.7452634	0.7993392	0.1394275	0.02819245	0.02819245	grey
0.9210302	0.06154526	0.00190792	0.1799917	0.2437911	0.3330247	0.4513547	0.4513547	pink
0.6180566	0.3866922	0.3073618	0.4037377	0.3804151	0.975491	0.595401	0.595401	darkturquoise
0.3732987	0.7678083	0.2550027	0.8865003	0.2076469	0.754704	0.00539083	0.00539083	grey
0.4091998	0.204327	0.04371888	0.3519234	0.2093652	0.06673277	0.01371214	0.01371214	turquoise
0.387092	0.7260532	0.09562671	0.2603636	0.7316683	0.7114302	0.6972516	0.6972516	turquoise
0.3139708	0.991673	0.01855529	0.010147	0.9835053	0.06577592	0.00891679	0.00891679	turquoise
0.5800136	0.3300553	0.9200066	0.1533949	0.6133716	0.5547229	0.02058136	0.02058136	salmon
0.3626207	0.2953611	0.02222556	0.2759337	0.3429164	0.475496	0.07786724	0.07786724	blue
0.2122102	0.4783806	0.5847314	0.5729514	0.6429816	0.9900399	0.00035779	0.00035779	pink
0.2507002	0.05082757	0.06511032	0.3076859	0.8006708	0.179241	4.48E-07	4.48E-07	blue
0.6708449	0.00690874	0.08044159	0.4672084	0.9594783	0.695745	6.61E-16	6.61E-16	brown
0.5736971	0.1975386	0.01639775	0.4605719	0.3133047	0.06879541	5.87E-06	5.87E-06	blue
0.3691805	0.045467	0.0110837	0.2502271	0.6450558	0.07838826	4.25E-05	4.25E-05	blue
0.06705855	0.415938	0.4374581	0.2195218	0.3478588	0.1503333	0.00584711	0.00584711	black
0.5343331	0.8685199	0.01496965	0.2149898	0.761183	0.5510107	0.6138077	0.6138077	grey
0.6385707	0.00438826	0.00012209	0.2335063	0.3913717	0.07781881	1.87E-16	1.87E-16	brown
0.4222438	0.2039083	0.1236249	0.3362161	0.5664754	0.08360579	0.1539212	0.1539212	blue
0.2761204	0.7121767	0.5568985	0.802691	0.7870853	0.6361209	0.2226365	0.2226365	turquoise
0.8697581	0.517851	0.01939083	0.0495099	0.226564	0.04982845	0.00209485	0.00209485	turquoise
0.4551882	0.00684112	0.1125035	0.9927872	0.8451398	0.6838484	2.44E-09	2.44E-09	brown
0.9061727	0.190039	0.01789756	0.11945	0.7533615	0.02327508	7.89E-08	7.89E-08	turquoise
0.1434225	0.2364607	0.00138209	0.0798862	0.978716	0.454838	4.13E-07	4.13E-07	brown
0.2816538	0.852386	0.4363856	0.6813511	0.9302961	0.9854253	0.434067	0.434067	grey
0.7096649	0.9110039	0.03902357	0.7954527	0.126489	0.3044419	6.96E-09	6.96E-09	yellow
0.7061835	0.4498457	0.739246	0.7265332	0.8332851	0.8959736	0.00041837	0.00041837	pink
0.177563	0.5586213	0.9605804	0.5634834	0.8543442	0.8383263	9.23E-07	9.23E-07	yellow
0.2605301	0.2002236	0.013051	0.1562363	0.0491993	0.01739821	0.03643272	0.03643272	turquoise
0.423001	0.3074908	0.4842515	0.0524823	0.5004602	0.05228816	0.2963523	0.2963523	green
0.6239717	0.4098018	0.9835999	0.7063442	0.8549095	0.8261961	0.0002386	0.0002386	grey
0.9548314	0.6661289	0.00393576	0.9600136	0.6927774	0.2148315	0.00989193	0.00989193	grey
0.3677152	0.9502872	0.3302012	0.9597964	0.07778342	0.1637687	0.9669571	0.9669571	purple
0.00902574	0.1883075	0.00474361	0.105974	0.2086666	0.3157311	6.35E-07	6.35E-07	grey
0.621556	0.3608006	0.9608663	0.9974182	0.7193446	0.1951822	0.08983926	0.08983926	skyblue

0.3472737	0.2547948	0.4023969	0.7125042	0.4139428	0.1500554	0.00094998	0.00094998	grey
0.6693442	0.01608438	0.034058	0.0201723	0.2454971	0.04575203	2.49E-06	2.49E-06	turquoise
0.2949416	0.3561273	0.04617842	0.334753	0.1144866	0.02917501	1.15E-05	1.15E-05	turquoise
0.2588269	0.3461969	0.6705759	0.2217472	0.5234115	0.9139605	7.00E-07	7.00E-07	blue
0.7954578	0.4036989	0.3155314	0.1690515	0.3628399	0.04337219	0.00036457	0.00036457	turquoise
0.2418587	0.3058775	0.3424632	0.5094317	0.1159703	0.4483399	0.5651855	0.5651855	black
0.7554032	0.7347526	0.04587029	0.3188191	0.7286622	0.03858746	0.772076	0.772076	turquoise
0.6307388	0.04917166	0.02544248	0.989642	0.09514253	0.3195353	0.00057443	0.00057443	turquoise
0.4590033	0.5778228	0.4919149	0.7995885	0.03554209	0.1541835	0.2145081	0.2145081	grey
0.7828575	0.5610843	0.6230497	0.5023699	0.7944115	0.8356224	0.00168071	0.00168071	grey
0.1060812	0.1646036	0.8854558	0.6475967	0.4407498	0.5803752	0.01463993	0.01463993	turquoise
0.2735374	0.2566312	0.00867442	0.0812484	0.8302851	0.5366631	3.57E-13	3.57E-13	yellow
0.3317234	0.03378929	0.07053613	0.9239781	0.937332	0.1515872	0.00643469	0.00643469	grey
0.5164368	0.05678389	0.805643	0.3110878	0.6173273	0.6903625	0.5649505	0.5649505	grey
0.3105007	0.642259	0.3216003	0.662747	0.5203363	0.3926619	0.00309995	0.00309995	grey
0.2106906	0.8836188	0.567817	0.5281469	0.1603662	0.3676607	0.03282223	0.03282223	turquoise
0.08484295	0.268227	0.7010531	0.4083105	0.382838	0.2955901	3.59E-05	3.59E-05	grey
0.8056264	0.1248738	0.757526	0.7639061	0.9463571	0.7428229	0.09634987	0.09634987	greenyellow
0.1686317	0.1722515	0.00093026	0.4705088	0.8238142	0.08160815	0.1019276	0.1019276	grey60
0.7302221	0.07367178	0.08448869	0.9425283	0.6416023	0.3635511	0.111356	0.111356	grey
0.07066752	0.08958157	0.6421389	0.929065	0.4579239	0.8847619	0.00434004	0.00434004	blue
0.8909133	0.1527432	0.6933701	0.7637722	0.7842852	0.7915903	0.2543457	0.2543457	grey
0.7609154	0.21688	0.3690721	0.288974	0.6944497	0.11893	0.5200702	0.5200702	grey
0.4621263	0.3152258	0.05271204	0.0588282	0.1797112	0.4803065	0.00123034	0.00123034	yellow
0.2421148	0.2487579	0.9097819	0.0758733	0.7619086	0.3605444	0.01859897	0.01859897	grey
0.3641239	0.1258089	0.4498128	0.5162534	0.260623	0.1212807	0.00200012	0.00200012	darkgrey
0.3430627	0.3087433	0.1908273	0.0698261	0.6526814	0.3141488	0.00547914	0.00547914	turquoise
0.4108402	0.4559106	0.1624929	0.4985287	0.9434709	0.2012338	0.05494426	0.05494426	turquoise
0.06026073	0.3271144	0.3984812	0.2550683	0.8629641	0.09815302	0.1434442	0.1434442	red
0.1944296	0.8236519	0.160063	0.5191732	0.9304299	0.2010869	0.0191794	0.0191794	turquoise
0.8026414	0.2291374	0.3934062	0.7331677	0.8223813	0.3236505	0.03796796	0.03796796	turquoise
0.6137074	0.9980027	0.01902663	0.1992007	0.4644303	0.4994301	0.04308799	0.04308799	magenta
0.7568278	0.2178082	0.8726635	0.2773293	0.8072511	0.6196268	0.05156852	0.05156852	grey
0.2629941	0.2602864	0.6599641	0.0293475	0.5094568	0.7941962	0.07897792	0.07897792	black
0.7503877	0.1929659	0.0916128	0.6579099	0.9774328	0.08400878	0.00042999	0.00042999	blue
0.2556715	0.01684084	0.6708571	0.8876394	0.00119078	0.3179047	0.4081633	0.4081633	turquoise
0.359246	0.4879263	0.4395339	0.0291438	0.149967	0.2409252	0.1004471	0.1004471	grey
0.9624606	0.9655927	0.00812586	0.5708404	0.9615847	0.2326039	0.2539624	0.2539624	green
0.8752841	0.1021902	0.3151301	0.6742791	0.9160576	0.280143	0.00503769	0.00503769	turquoise
0.3927734	0.00681485	0.8586091	0.7796229	0.5344899	0.9805251	6.19E-05	6.19E-05	blue
0.4011203	0.6697918	0.00021389	0.1458716	0.3595181	0.04510132	0.02266074	0.02266074	magenta
0.1637205	0.06851772	0.5102161	0.9927299	0.3830702	0.6444736	1.83E-05	1.83E-05	turquoise
0.4881102	0.3303776	0.348221	0.8446203	0.0236404	0.4580795	0.4312332	0.4312332	turquoise
0.9042604	0.4996767	0.00334274	0.4605443	0.2758416	0.5190587	0.01489421	0.01489421	green
0.3700497	0.6262096	0.6251987	0.6139007	0.5820124	0.8551493	0.2619004	0.2619004	grey
0.8698468	0.2878703	0.04344033	0.1750039	0.4130688	0.1195804	0.01702771	0.01702771	turquoise
0.7570638	0.04024575	0.04834028	0.1371597	0.226681	0.1400001	0.08316775	0.08316775	grey
0.9418597	0.648115	0.1159897	0.9358611	0.7251473	0.6020482	0.5336341	0.5336341	grey
0.8935015	0.1209496	0.9858327	0.1717146	0.8152527	0.5386926	0.00021573	0.00021573	blue
0.7312755	0.2482869	0.8737601	0.3747151	0.6917243	0.8857999	0.1007947	0.1007947	turquoise
0.1849567	0.2546725	0.6276074	0.6949625	0.9966714	0.151272	0.04549133	0.04549133	blue
0.8734937	0.2466948	0.3970807	0.4776771	0.2967484	0.1118506	0.7209315	0.7209315	darkorange
0.1461674	0.9096586	0.3116223	0.3564865	0.3906318	0.9081475	0.8438642	0.8438642	turquoise
0.7091194	0.00100624	0.01686455	0.2737343	0.3910404	0.5539922	3.60E-19	3.60E-19	brown
0.5504472	0.5859237	0.2445542	0.5007696	0.7097968	0.5063751	0.9061169	0.9061169	turquoise
0.7816579	0.5828605	0.2911938	0.5646271	0.9741237	0.2164943	0.2417407	0.2417407	turquoise
0.3697588	0.09100876	0.07687606	0.3511102	0.7325643	0.3064877	0.5168866	0.5168866	grey
0.958882	0.02715683	0.3908566	0.7227447	0.6965458	0.799739	1.26E-08	1.26E-08	brown
0.7431831	0.1708076	0.5525901	0.5564483	0.3885767	0.3851446	6.74E-07	6.74E-07	brown
0.2663891	0.01669979	0.2900478	0.5038137	0.5366778	0.08322405	0.03668376	0.03668376	grey
0.2835821	0.2368403	0.00501741	0.0680177	0.6101563	0.0308428	0.03531799	0.03531799	turquoise

0.00305509	0.493888	0.6988889	0.4250031	0.2395171	0.1800009	0.00045756	0.00045756	blue
0.1113421	0.1785737	0.6522281	0.9235876	0.08984941	0.3371156	0.00117783	0.00117783	cyan
0.377305	0.6760472	0.5461888	0.2992407	0.6891812	0.7847497	0.07249383	0.07249383	blue
0.2094904	0.7580913	0.2097826	0.8135486	0.2453828	0.8573735	0.2759244	0.2759244	turquoise
0.8569006	0.707584	0.06259159	0.3514755	0.8189392	0.5926631	3.54E-07	3.54E-07	brown
0.05821483	0.6344895	0.6735412	0.1006785	0.2871209	0.677446	0.3417765	0.3417765	grey
0.02122155	0.3783735	0.08005474	0.3857288	0.7924283	0.1276929	0.00578849	0.00578849	turquoise
0.857137	0.1362093	0.8107851	0.0127705	0.6614024	0.1839441	0.00264215	0.00264215	purple
0.600111	0.3574048	0.03803829	0.1171552	0.7941699	0.07189019	0.00093938	0.00093938	turquoise
0.09329464	0.1897252	0.1084513	0.6676565	0.3730722	0.5521909	0.3903956	0.3903956	grey
0.3818637	0.3840063	0.4452586	0.3910581	0.4019639	0.4639286	0.00212086	0.00212086	turquoise
0.4374281	0.8139114	0.2386472	0.7507073	0.5733353	0.5113592	0.00068359	0.00068359	blue
0.3200736	0.1254723	0.5226887	0.6763157	0.6890819	0.5086205	0.1067313	0.1067313	turquoise
0.1612274	0.8363191	0.06277294	0.51947	0.3727578	0.4195323	0.9752805	0.9752805	grey
0.5288041	0.4959605	0.5282949	0.4937776	0.2481841	0.7934312	0.07784461	0.07784461	grey
0.08777635	0.2511961	0.793797	0.3011461	0.3529141	0.207187	0.02280225	0.02280225	blue
0.5694515	0.4321965	0.6373084	0.7223496	0.6221802	0.2643315	0.2935542	0.2935542	turquoise
0.8088181	0.880273	0.4650898	0.5717318	0.2652291	0.9309117	0.5665218	0.5665218	grey
0.2251764	0.3713146	0.06408964	0.0818713	0.9983973	0.1056855	0.00868614	0.00868614	turquoise
0.1608843	0.7881472	0.6993193	0.14604	0.7151086	0.1430268	0.07241649	0.07241649	cyan
0.3486521	0.3515636	0.00231896	0.0165234	0.4147019	0.1322228	0.0377221	0.0377221	turquoise
0.7198985	0.6211088	0.2024219	0.9026079	0.4071646	0.8023753	0.0002427	0.0002427	grey
0.2124943	0.8846734	0.7783029	0.8792236	0.6444708	0.2804421	0.05617307	0.05617307	grey
0.3423471	0.3235394	0.09052999	0.1993818	0.7813596	0.1812673	0.07876856	0.07876856	grey
0.5777435	0.2724435	0.26249	0.2066924	0.8749125	0.2487341	0.7949262	0.7949262	black
0.956967	0.9117818	0.02489647	0.8176412	0.979998	0.4299236	0.7372427	0.7372427	grey
0.7576181	0.2326678	0.00624839	0.0864901	0.9262217	0.03071279	0.00174556	0.00174556	turquoise
0.1470655	0.2279773	0.03900483	0.5915629	0.984344	0.01215722	0.4415047	0.4415047	turquoise
0.356603	0.1917347	0.327893	0.3228056	0.3217057	0.05704085	0.08664747	0.08664747	grey
0.2811468	0.9440417	0.00606258	0.0777592	0.4462173	0.2253367	0.7133292	0.7133292	turquoise
0.1266485	0.2729514	0.5418098	0.9902893	0.9280803	0.5411426	0.04550278	0.04550278	grey
0.08030504	0.7437212	0.08571508	0.9636203	0.0254542	0.7850524	1.07E-06	1.07E-06	grey
0.8736932	0.01816527	0.3277522	0.2917714	0.7387657	0.8428424	0.03017918	0.03017918	darkturquoise
0.3549524	0.7568269	0.03470707	0.3341749	0.7732659	0.01759396	0.06198134	0.06198134	turquoise
0.2376146	0.7726203	0.0601818	0.4033693	0.9211646	0.9383879	0.7495129	0.7495129	grey
0.05667839	0.6472676	0.7414302	0.311822	0.7806981	0.8218013	0.5750656	0.5750656	lightyellow
0.08304507	0.04562799	0.4833572	0.6724159	0.5127538	0.7008975	0.05607247	0.05607247	grey
0.2593864	0.3296496	0.0030742	0.535072	0.7803199	0.466141	0.01074784	0.01074784	grey
0.535119	0.1892475	0.4733823	0.1867296	0.8624071	0.7379754	0.08986656	0.08986656	grey
0.1214535	0.3421047	0.04897282	0.4596863	0.9047735	0.2738806	0.08895847	0.08895847	green
0.4635232	0.03899595	0.63899	0.8924317	0.735274	0.8088719	0.00989674	0.00989674	turquoise
0.4094551	0.4673881	0.04970321	0.6350742	0.4302215	0.5590872	0.1239375	0.1239375	grey
0.2903249	0.2437334	0.03019989	0.0895747	0.1139411	0.1015711	0.00075599	0.00075599	turquoise
0.5817107	0.3403874	0.8745774	0.0047617	0.4529044	0.07654945	0.01079779	0.01079779	blue
0.1864349	0.4315755	0.02246917	0.2504803	0.3754628	0.2054524	0.00312596	0.00312596	blue
0.5781583	0.03102652	0.9762293	0.5784315	0.1703397	0.8252044	1.50E-10	1.50E-10	brown
0.9762215	0.02059697	0.00121955	0.2618349	0.4369108	0.7566683	1.05E-15	1.05E-15	brown
0.6297268	0.0682126	0.0024081	0.8138518	0.2231681	0.06879273	1.92E-11	1.92E-11	yellow
0.7847355	0.7512194	0.517078	0.9176889	0.6933856	0.264752	0.6588968	0.6588968	grey
0.384195	0.1630048	0.2705952	0.6518129	0.6052988	0.7919061	0.1765801	0.1765801	darkturquoise
0.8902636	0.2440238	0.2056481	0.9522659	0.9268697	0.7879138	0.0109385	0.0109385	blue
0.6685174	0.8207973	0.00106583	0.2521081	0.2765777	0.7497066	0.03496527	0.03496527	grey
0.5428314	0.2550485	0.00621639	0.052786	0.04978933	0.02560718	0.02908152	0.02908152	turquoise
0.07715048	0.3956362	0.01837344	0.3797212	0.248206	0.03972753	2.50E-12	2.50E-12	yellow
0.942812	0.9361919	0.00688907	0.0277096	0.5774218	0.1975543	0.2654278	0.2654278	turquoise
0.01169609	0.442255	0.1477026	0.4667045	0.8208949	0.07776033	3.95E-05	3.95E-05	grey
0.9048086	0.05585952	0.9271224	0.5565388	0.7436741	0.3945652	0.173864	0.173864	orange
0.2037709	0.3720695	0.7241412	0.2738305	0.4661847	0.5797815	0.00902812	0.00902812	grey
0.1252458	0.3396562	0.7016092	0.8720442	0.5057441	0.9843181	0.01918829	0.01918829	grey
0.1982043	0.4982772	0.0465406	0.0568938	0.3184521	0.03054884	0.02513326	0.02513326	turquoise
0.00092228	0.5127458	0.8861525	0.2902479	0.4779825	0.1474152	0.1910668	0.1910668	grey

0.9462165	0.8678013	0.7536785	0.1818417	0.344951	0.03153282	0.1203201	0.1203201	turquoise
0.5124211	0.6306768	0.6766447	0.2819911	0.9616917	0.2036666	0.00493083	0.00493083	turquoise
0.4199197	0.5636468	0.621898	0.2392304	0.867769	0.3705386	0.00480687	0.00480687	grey
0.03117404	0.6730821	0.3929417	0.1808229	0.3058233	0.8670565	0.1589481	0.1589481	grey
0.04263406	0.3691269	0.02009029	0.3781884	0.1264133	0.3864488	0.01089724	0.01089724	grey
0.1741762	0.3350698	0.4764664	0.7068368	0.4400125	0.4812575	0.3988968	0.3988968	turquoise
0.7836409	0.00890357	0.9234717	0.5061633	0.6579903	0.2286746	5.30E-08	5.30E-08	blue
0.2969451	0.7483371	0.8444799	0.2949996	0.6939248	0.3844712	0.107392	0.107392	grey
0.5826396	0.03427014	0.324645	0.767242	0.03409928	0.2797602	1.05E-06	1.05E-06	blue
0.2850865	0.6954049	0.8832657	0.4757359	0.2158353	0.3651544	3.73E-06	3.73E-06	grey
0.6508263	0.2597757	0.203046	0.6957355	0.4134372	0.4288645	0.5110474	0.5110474	grey
0.2340417	0.1315175	0.8231295	0.2845881	0.4258423	0.359934	0.1759771	0.1759771	grey
0.5635071	0.2078452	0.5639671	0.9060797	0.5872542	0.4426153	0.01193991	0.01193991	blue
0.7101054	0.3602393	0.3250014	0.3726436	0.5936876	0.4560697	0.2398478	0.2398478	blue
0.5825965	0.234502	0.5698189	0.2692783	0.5196249	0.5855743	0.3776522	0.3776522	turquoise
0.2513731	0.278952	0.00396077	0.282943	0.7145772	0.6702272	0.00242047	0.00242047	grey
0.5198662	0.479313	0.4052807	0.797092	0.5713352	0.08229429	0.1173685	0.1173685	turquoise
0.4125886	0.2446057	0.6931041	0.0611328	0.5191807	0.5906193	0.4937513	0.4937513	grey
0.4015338	0.03555071	0.7855524	0.7085081	0.08030192	0.581954	0.00096617	0.00096617	turquoise
0.8036593	0.131345	0.798578	0.4526424	0.4452849	0.8689737	0.00263254	0.00263254	blue
0.2256489	0.8732088	0.5987142	0.5582654	0.4397822	0.3262622	0.6363936	0.6363936	skyblue
0.7499468	0.207487	0.5935533	0.8136903	0.6241945	0.3427232	6.55E-05	6.55E-05	blue
0.08248563	0.5736335	0.04755072	0.0437811	0.3947534	0.06414139	0.7899648	0.7899648	greenyellow
0.8802118	0.2500775	0.09040239	0.181854	0.6812567	0.3656438	0.06259534	0.06259534	magenta
0.7533666	0.7328522	0.00363523	0.0746656	0.6843627	0.1214424	0.7793277	0.7793277	turquoise
0.2021092	0.3806286	0.873516	0.788608	0.3141172	0.09601091	9.52E-05	9.52E-05	grey
0.5120221	0.09063393	0.04972751	0.150685	0.8646566	0.7902598	0.00206141	0.00206141	grey
0.8197669	0.1965939	0.5839446	0.8767119	0.6764662	0.4542851	0.04322855	0.04322855	grey
0.6437907	0.587453	0.08955957	0.669511	0.8355723	0.6307101	0.01234025	0.01234025	blue
0.3782419	0.7047122	0.1486009	0.8319544	0.6863393	0.5267937	0.2041531	0.2041531	blue
0.7615795	0.5889354	0.7786725	0.567022	0.05834216	0.1061501	0.1717893	0.1717893	grey
0.129813	0.00234724	0.5307173	0.8168069	0.6288611	0.5427899	7.72E-05	7.72E-05	blue
0.4289647	0.8825203	0.9725262	0.5122375	0.4686861	0.4327986	0.9024983	0.9024983	grey
0.239018	0.3177451	0.08752092	0.2513903	0.6348732	0.5772203	2.16E-05	2.16E-05	blue
0.6544702	0.3201011	0.1122983	0.590896	0.5226214	0.1808098	0.00212946	0.00212946	turquoise
0.468564	0.1159589	0.8426901	0.0504969	0.3653501	0.8633413	0.08120692	0.08120692	blue
0.2583226	0.01203821	0.1156681	0.2856321	0.4029984	0.01855365	3.92E-05	3.92E-05	turquoise
0.4669205	0.3867776	0.5059568	0.0859146	0.6652303	0.09484753	0.5414039	0.5414039	grey
0.6820022	0.02786427	0.8526247	0.7583269	0.8050763	0.6622802	0.00025453	0.00025453	grey
0.0180895	0.4465067	0.2717382	0.9322251	0.8356167	0.4877418	0.7900026	0.7900026	blue
0.5291328	0.09409743	0.7610114	0.3086201	0.7128091	0.6749362	0.8211959	0.8211959	black
0.4460291	0.6797438	0.09274829	0.549149	0.9510234	0.3568961	0.00878589	0.00878589	blue
0.5610609	0.07015113	0.2621382	0.840091	0.3065489	0.5707306	0.2349583	0.2349583	grey
0.7271921	0.8627942	0.2775328	0.0870362	0.3844203	0.2333384	0.03600435	0.03600435	black
0.2165449	0.2603495	0.6848718	0.6610285	0.2534422	0.7958632	0.7590776	0.7590776	grey
0.5607033	0.2023872	0.1918432	0.7388279	0.5057557	0.6519145	0.0003261	0.0003261	yellow
0.6922229	0.3104889	0.09423583	0.082072	0.5579689	0.08860543	0.05096491	0.05096491	turquoise
0.6194448	0.05299189	0.3656797	0.0508031	0.8189529	0.04633603	0.00046653	0.00046653	turquoise
0.4138053	0.00011038	0.08139472	0.9299939	0.9908343	0.333376	1.31E-17	1.31E-17	yellow
0.7366343	0.127991	0.7849913	0.5525257	0.8681952	0.8061959	0.9380699	0.9380699	turquoise
0.1490774	0.02548655	0.9342408	0.71626	0.7632832	0.8405707	0.01685831	0.01685831	grey
0.5441922	0.2061319	0.3403644	0.5530552	0.7716969	0.1801717	1.51E-08	1.51E-08	blue
0.7020662	0.955124	0.453862	0.0609307	0.0764365	0.9756657	0.4024005	0.4024005	grey
0.877162	0.3265664	0.0093883	0.8188086	0.2620275	0.5723565	0.00453913	0.00453913	turquoise
0.5294722	0.01549678	0.3826894	0.6178923	0.5070465	0.4947296	1.05E-06	1.05E-06	blue
0.2374276	0.8772907	0.1054228	0.7405505	0.1288574	0.7779309	0.1677583	0.1677583	grey
0.7847585	0.6219676	0.6881931	0.1099292	0.9274668	0.7928322	1.55E-07	1.55E-07	yellow
0.2577667	0.1908536	0.8445996	0.5657398	0.4892614	0.6728278	0.8799514	0.8799514	grey
0.4557612	0.03111154	0.9977772	0.71492	0.5586507	0.8300245	9.19E-07	9.19E-07	turquoise
0.6157938	0.2785315	0.9416001	0.2637764	0.623045	0.323558	2.49E-08	2.49E-08	brown
0.02801325	0.5473551	0.6376265	0.2201339	0.4246926	0.7367149	0.5149127	0.5149127	cyan

0.7402251	0.6696037	0.01305749	0.018029	0.9498611	0.007734	0.5389912	0.5389912	turquoise
0.3590118	0.9484178	0.1696232	0.37381	0.5135205	0.4969472	0.00139258	0.00139258	turquoise
0.1738115	0.0008682	0.5991931	0.6761858	0.6686687	0.9719269	0.01575479	0.01575479	greenyellow
0.4260139	0.8008662	0.3329119	0.3418123	0.8359506	0.4666296	5.86E-20	5.86E-20	yellow
0.02587441	0.06612955	0.09348492	0.0128511	0.3115146	0.07392127	0.2602049	0.2602049	blue
0.1023608	0.00021273	0.6283945	0.4861029	0.7059577	0.9773629	3.51E-07	3.51E-07	blue
0.0925271	0.02576701	0.5318651	0.9604273	0.2268118	0.6749895	0.1539286	0.1539286	turquoise
0.09502404	0.6944967	0.1975042	0.9456499	0.258658	0.5944034	0.2420927	0.2420927	blue
0.3038231	0.8681136	0.4173435	0.1480859	0.6676243	0.1169421	0.3150879	0.3150879	darkgreen
0.365083	0.963498	0.3667291	0.0776434	0.04583067	0.03750567	0.1333635	0.1333635	grey
0.9498415	0.6583462	0.2551542	0.9376209	0.2306238	0.3038578	0.505431	0.505431	turquoise
0.406993	0.279195	0.223771	0.7057939	0.2536584	0.7427336	2.28E-05	2.28E-05	turquoise
0.4541038	0.02757424	0.8309952	0.9475541	0.860306	0.7897795	0.00030724	0.00030724	turquoise
0.8691588	0.3634908	0.00207789	0.8607761	0.959519	0.4699982	6.17E-29	6.17E-29	yellow
0.1890433	0.5807043	0.1901458	0.1252085	0.7209232	0.0224174	0.01828431	0.01828431	grey
0.3289951	0.2962816	0.00462246	0.0962351	0.8615366	0.09074766	0.1257022	0.1257022	turquoise
0.2139271	0.5100347	0.1190353	0.8094545	0.3860734	0.2758354	0.2878192	0.2878192	green
0.2473956	0.00722259	0.2298403	0.5579425	0.4995606	0.3902355	2.90E-17	2.90E-17	brown
0.6647398	0.01890468	0.3434366	0.8025643	0.7108032	0.4188308	4.70E-06	4.70E-06	turquoise
0.28606	0.585315	0.09409874	0.457845	0.9133607	0.7289136	0.697278	0.697278	turquoise
0.1118126	0.4078199	0.372349	0.0080929	0.3417695	0.2439816	0.7554696	0.7554696	blue
0.399545	0.3236417	0.03645231	0.0276883	0.1928872	0.04485737	0.1950214	0.1950214	grey
0.3787071	0.1485875	0.7002737	0.9251188	0.5041521	0.2372221	0.00751956	0.00751956	blue
0.6499028	0.5477378	0.103126	0.3042233	0.8634356	0.3201125	6.51E-07	6.51E-07	turquoise
0.5210789	0.1069418	0.2386059	0.243819	0.3955926	0.2663863	0.00016494	0.00016494	turquoise
0.7397709	0.865421	0.02514077	0.031201	0.715559	0.5219373	0.8847524	0.8847524	turquoise
0.04268362	0.7437389	0.9583842	0.3304527	0.9851323	0.1514192	0.2953979	0.2953979	turquoise
0.679612	0.8801544	0.1337683	0.2146807	0.8517673	0.1962353	0.5517033	0.5517033	darkgrey
0.8715549	0.02988526	0.3666709	0.3766275	0.8036235	0.314737	2.73E-06	2.73E-06	brown
0.1807608	0.4292415	0.678471	0.0675745	0.5861567	0.7797269	0.6545059	0.6545059	grey
0.3101724	0.8152532	0.6863126	0.2690393	0.3858484	0.7252924	0.00230112	0.00230112	darkgrey
0.219112	0.9279165	0.01853844	0.6948029	0.3618375	0.2589485	0.1310382	0.1310382	turquoise
0.05082011	0.3242986	0.5843073	0.4066451	0.8224201	0.4313096	8.33E-05	8.33E-05	grey
0.1794779	0.8411681	0.5992936	0.7013463	0.4027998	0.2133685	0.2207964	0.2207964	blue
0.9166875	0.8436215	0.415061	0.0418545	0.8286731	0.8298244	0.00014452	0.00014452	turquoise
0.9352226	0.03361747	0.6445394	0.0972039	0.4522364	0.0484865	0.05661955	0.05661955	grey
0.3220587	0.9034808	0.0298617	0.1086956	0.1163685	0.04219599	0.4841096	0.4841096	grey
0.8773088	0.6373683	0.00948616	0.7511786	0.7208484	0.06636397	0.00024442	0.00024442	turquoise
0.118787	0.00814355	0.9698703	0.1506024	0.6230904	0.8114789	0.1401989	0.1401989	darkturquoise
0.07878396	0.9623051	0.2106327	0.9579451	0.6965763	0.462505	8.52E-07	8.52E-07	blue
0.7906387	0.819077	0.134126	0.1191801	0.9073174	0.1741384	0.00582531	0.00582531	grey
0.2314486	0.0535907	0.2036188	0.9282548	0.8489077	0.1543105	8.17E-06	8.17E-06	blue
0.8451064	0.4263018	0.08065622	0.3222293	0.7280046	0.07891596	0.00107056	0.00107056	turquoise
0.5059711	0.2731865	0.7043615	0.4808766	0.2354739	0.4223102	0.00578524	0.00578524	turquoise
0.7523781	0.2600905	0.8066191	0.3678068	0.9700045	0.8299533	0.9447002	0.9447002	grey
0.08031201	0.5209719	0.333815	0.096006	0.4021369	0.07167419	0.00453879	0.00453879	cyan
0.6997911	0.00954475	0.925949	0.5337582	0.4254931	0.3218412	4.60E-08	4.60E-08	yellow
0.9223332	0.3096465	0.545017	0.0100039	0.9289808	0.3496958	0.01283609	0.01283609	grey
0.3009412	0.06123089	0.4539929	0.6364906	0.675439	0.1125935	0.03185438	0.03185438	blue
0.8627097	0.2113556	0.00094214	0.2845136	0.9442396	0.3845391	0.0111139	0.0111139	magenta
0.1782476	0.06538987	0.06778342	0.1875164	0.533252	0.4590977	0.00012736	0.00012736	blue
0.4332412	0.7472025	0.03453263	0.2582927	0.8703583	0.7373053	0.6613599	0.6613599	turquoise
0.6720329	0.5736529	0.01086712	0.267679	0.6346072	0.2667883	0.2084644	0.2084644	turquoise
0.8531528	0.0960028	0.4806314	0.549959	0.8932432	0.8068791	0.00451642	0.00451642	brown
0.9909414	0.7044065	0.5552102	0.5042567	0.3634516	0.4922146	0.00863649	0.00863649	grey
0.3450734	0.4399592	0.00034412	0.0031439	0.1242054	0.007677	0.6671969	0.6671969	turquoise
0.8252715	0.4715226	0.00098271	0.0117926	0.4496644	0.04402829	0.1751738	0.1751738	turquoise
0.00322132	0.1872925	0.2120131	0.7121602	0.8237622	0.755419	0.01632272	0.01632272	blue
0.08692191	0.4979248	0.1730361	0.9464732	0.8640398	0.6529979	0.2055964	0.2055964	purple
0.2590221	0.7181784	0.00087615	0.5615688	0.8598352	0.4374689	1.22E-23	1.22E-23	yellow
0.8002402	0.4765978	0.3758678	0.5806024	0.3675108	0.9909831	0.3967287	0.3967287	grey

0.8447042	0.8918456	0.06268413	0.2342579	0.7512892	0.02608925	0.315607	0.315607	turquoise
0.03445657	0.2879126	0.09345716	0.6442497	0.2721416	0.3648387	0.129741	0.129741	grey
0.1217856	0.0032842	0.1423299	0.3226917	0.825073	0.3815112	0.5796994	0.5796994	grey
0.8381517	0.9984627	0.0136285	0.0873655	0.8047454	0.04905908	0.6175943	0.6175943	turquoise
0.2552161	0.4236037	0.218036	0.6209705	0.8934187	0.9850673	0.6718547	0.6718547	grey
0.8106022	0.9863485	0.1813834	0.6137954	0.8422893	0.01098733	0.2406746	0.2406746	grey
0.5363698	0.6422075	0.2189428	0.4973838	0.504516	0.5345879	0.03586905	0.03586905	grey
0.5013628	0.05312337	0.00262188	0.1947854	0.6137308	0.7149225	8.32E-10	8.32E-10	green
0.6883304	0.7216236	0.0890454	0.2471589	0.8153714	0.618531	0.9658621	0.9658621	grey
0.8826879	0.2109993	0.1867233	0.6523892	0.4492009	0.735688	4.24E-10	4.24E-10	brown
0.6239865	0.5145273	0.00049444	0.1571737	0.03900732	0.04956409	0.00336734	0.00336734	turquoise
0.3696871	0.00074384	0.02232949	0.7192821	0.3145564	0.6416313	0.00493753	0.00493753	turquoise
0.3429297	0.9157225	0.00461038	0.826466	0.9889453	0.09922481	0.04621027	0.04621027	turquoise
0.9805855	0.3535124	0.00035678	0.2433267	0.986393	0.02824269	0.2441991	0.2441991	turquoise
0.2480714	0.7219858	0.7967555	0.2631003	0.9908502	0.861169	0.2110803	0.2110803	turquoise
0.966809	0.5609507	0.1332409	0.9410616	0.6212388	0.3334124	0.0216307	0.0216307	turquoise
0.170413	0.7192403	0.5145191	0.9532379	0.6570136	0.7636868	0.2112137	0.2112137	midnightblue
0.9998802	0.3232523	0.06471875	0.2533154	0.5936164	0.02522168	0.04669031	0.04669031	green
0.4529006	0.5370864	0.01715727	0.1837013	0.764456	0.04796307	0.118878	0.118878	turquoise
0.3663474	0.1225861	0.03405779	0.4600879	0.6281121	0.6796711	1.05E-18	1.05E-18	yellow
0.6325786	0.00125455	0.2465045	0.5183566	0.9616705	0.9705126	2.73E-09	2.73E-09	darkturquoise
0.2495493	0.06034926	0.2249913	0.1934651	0.4661248	0.2494308	0.00046494	0.00046494	turquoise
0.5992943	0.629127	0.3237543	0.964107	0.6353733	0.9144983	3.17E-26	3.17E-26	yellow
0.6896948	0.3375009	0.3304733	0.6385674	0.7521548	0.3718302	0.05892927	0.05892927	grey
0.1968517	0.1276854	0.8368665	0.7168409	0.9223413	0.5019011	0.00038125	0.00038125	blue
0.5881222	0.6581245	0.08051186	0.0345278	0.3178365	0.5437663	0.07461252	0.07461252	grey
0.4087913	0.2601021	0.00485249	0.1558748	0.3276569	0.1530817	0.00036182	0.00036182	blue
0.9516976	0.1961165	0.02645601	0.5092878	0.6997705	0.9898754	2.13E-16	2.13E-16	brown
0.4661142	0.7312189	0.467847	0.4730986	0.9196084	0.7910022	0.01232006	0.01232006	turquoise
0.2608009	0.6770079	0.1272088	0.891646	0.9500762	0.4810115	0.0340164	0.0340164	red
0.8384309	0.7523696	0.05647842	0.4987587	0.5740086	0.5765386	0.6828363	0.6828363	darkturquoise
0.7008437	0.3757021	0.00284524	0.1907968	0.915395	0.1526734	0.9583579	0.9583579	turquoise
0.4159522	0.1309044	0.5355615	0.2085246	0.1067583	0.4097649	0.7889019	0.7889019	grey
0.990052	0.00011223	0.00320373	0.5030328	0.9101417	0.297723	4.05E-25	4.05E-25	brown
0.8636867	0.9841971	0.1748922	0.1601977	0.7478921	0.06630273	0.2601831	0.2601831	white
0.3382561	0.3075147	0.7347432	0.8106933	0.8286881	0.695455	0.02695964	0.02695964	grey
0.02032289	0.5919389	0.3672712	0.2215422	0.7141911	0.6003102	0.03459106	0.03459106	blue
0.8268306	0.4176129	0.0133274	0.4663603	0.7710481	0.3587145	0.3260054	0.3260054	turquoise
0.9034416	0.02816736	0.305929	0.2737017	0.94375	0.9067655	7.08E-06	7.08E-06	grey
0.5479282	0.408959	0.1092838	0.264968	0.5277101	0.08819429	0.00959314	0.00959314	turquoise
0.8003456	0.00308352	0.5457739	0.7590478	0.4112882	0.2075873	0.00034786	0.00034786	turquoise
0.1874098	0.2892405	0.01139556	0.3671936	0.3560973	0.7225078	0.2428619	0.2428619	turquoise
0.8481041	0.0712124	0.09679225	0.0842739	0.5223756	0.7338005	0.00028357	0.00028357	turquoise
0.272229	0.8346149	0.3778199	0.6129495	0.7896557	0.2159714	0.02800048	0.02800048	turquoise
0.7340026	0.1139106	0.02074202	0.0683299	0.1829463	0.5884749	1.80E-26	1.80E-26	yellow
0.1418775	0.05310417	0.07837568	0.7839424	0.1587552	0.8226882	6.88E-08	6.88E-08	lightgreen
0.4078912	0.09441118	0.4920992	0.3799457	0.08849771	0.5597571	8.19E-06	8.19E-06	blue
0.6075197	4.80E-05	0.00060018	0.0648765	0.7439084	0.8009569	7.72E-22	7.72E-22	yellow
0.9188158	0.02039095	0.1558681	0.6724795	0.2842968	0.2300474	0.0193614	0.0193614	turquoise
0.7010452	0.3448379	0.6311297	0.0501204	0.09819365	0.9080915	0.02741031	0.02741031	grey
0.4887747	0.1430294	0.3319023	0.8781156	0.4291686	0.7574308	0.01512197	0.01512197	royalblue
0.8030161	0.6243226	0.1566288	0.8999129	0.5278354	0.4872463	0.474314	0.474314	midnightblue
0.7801175	0.07943308	0.09853393	0.2715594	0.3964064	0.2111677	0.00345392	0.00345392	turquoise
0.3351226	0.7017972	0.0592177	0.5984657	0.310038	0.1830561	0.00796511	0.00796511	grey
0.05749808	0.3489719	0.01538004	0.0466359	0.6026925	0.1646166	0.8134451	0.8134451	turquoise
0.242987	0.5543343	0.9296615	0.5981105	0.00802365	0.06361198	0.4770597	0.4770597	grey
0.3703249	0.09224749	0.5197023	0.8000896	0.6448125	0.1066154	9.71E-10	9.71E-10	blue
0.454455	0.5906812	0.02212147	0.4285256	0.6272608	0.6021528	9.63E-35	9.63E-35	yellow
0.9246568	0.1079807	0.8122905	0.1377248	0.2142951	0.279155	0.00643046	0.00643046	yellow
0.4103179	0.9996495	0.1055952	0.1885636	0.2536359	0.03965405	0.1152771	0.1152771	turquoise
0.2040769	0.9314069	0.0642775	0.8748528	0.08020052	0.3821556	0.07201306	0.07201306	grey

0.9711447	0.7046076	0.4368392	0.2618946	0.9720705	0.4293657	1.51E-06	1.51E-06	yellow
0.5835283	0.2120317	0.07538342	0.258903	0.6154828	0.4595899	0.08983857	0.08983857	turquoise
0.3041857	0.1184205	0.2077295	0.3769065	0.1404691	0.5980118	0.00032149	0.00032149	blue
0.4295238	0.00089697	0.02706197	0.1581457	0.2820078	0.4286913	2.41E-08	2.41E-08	brown
0.8487763	0.03248164	0.00129269	0.1076702	0.04067538	0.8924818	1.06E-20	1.06E-20	brown
0.4797772	0.09030492	0.04928812	0.3882682	0.4775278	0.5637063	0.00055632	0.00055632	grey60
0.05634159	0.8393976	0.573084	0.153542	0.8723257	0.3863434	0.7280076	0.7280076	grey
0.2786867	0.00865501	0.1938047	0.4460133	0.516317	0.7216919	0.00131059	0.00131059	greenyellow
0.4445713	0.6661717	0.1183927	0.1837453	0.5933936	0.4242556	1.33E-06	1.33E-06	turquoise
0.05346814	0.6490971	0.0433189	0.3883347	0.9671773	0.2640277	0.6355312	0.6355312	turquoise
0.04482642	0.4164352	0.09584301	0.6654868	0.8645832	0.07915164	3.28E-05	3.28E-05	turquoise
0.5156469	0.5072018	0.364513	0.2325403	0.158878	0.04304377	0.9370405	0.9370405	turquoise
0.9350717	0.03239022	0.8364193	0.6773307	0.8835646	0.4074678	0.00094605	0.00094605	blue
0.5525748	0.7851602	0.1596521	0.7365858	0.9584963	0.04220428	0.00014045	0.00014045	blue
0.9715191	0.5942317	0.03989113	0.014307	0.3263489	0.01597527	1.31E-10	1.31E-10	grey
0.3726241	0.8681071	0.5497631	0.5264397	0.3472017	0.3299637	0.6282723	0.6282723	blue
0.04372126	0.2017039	0.9547177	0.7549453	0.6699634	0.1128102	0.02222801	0.02222801	turquoise
0.4901135	0.4964778	0.05697847	0.4882338	0.5278656	0.4404998	2.35E-31	2.35E-31	yellow
0.6416044	0.8893028	0.00071132	0.0895289	0.2138463	0.03157157	0.5995208	0.5995208	turquoise
0.3707025	0.1290514	0.05643911	0.3048123	0.1669921	0.1421262	0.00085424	0.00085424	turquoise
0.9007724	0.6630866	0.02273592	0.3196912	0.1977571	0.08185304	0.2932952	0.2932952	turquoise
0.7245109	0.5045749	0.1622097	0.1898787	0.9722346	0.09097556	0.0052416	0.0052416	pink
0.6859445	0.1798872	0.2484509	0.8821434	0.6593366	0.3868577	0.2244304	0.2244304	green
0.4285868	0.7793246	0.7692712	0.7010137	0.7700753	0.6531508	0.1770302	0.1770302	turquoise
0.5313774	0.3704128	0.8778874	0.184936	0.5200738	0.4090409	0.4084614	0.4084614	grey
0.2021735	0.07064141	0.03037597	0.1281204	0.3493549	0.2010378	0.00249778	0.00249778	green
0.091526	0.1817287	0.9764213	0.5429553	0.7699561	0.8767004	4.28E-07	4.28E-07	blue
0.8473253	0.9578159	0.01434692	0.5920693	0.7467831	0.1599348	0.03541182	0.03541182	green
0.6014239	0.5656636	0.05364623	0.2812471	0.9132194	0.4594767	0.02519812	0.02519812	red
0.1771787	0.4075709	0.07761227	0.1563534	0.1653127	0.1087916	0.4264677	0.4264677	turquoise
0.2885129	0.2924628	0.2188989	0.8902966	0.5124506	0.7378339	0.6523904	0.6523904	grey
0.1410971	0.4662322	0.05821139	0.8651016	0.299935	0.7540816	0.3108283	0.3108283	grey
0.6113729	0.6260653	0.06027553	0.2917835	0.4175347	0.1009238	0.07810495	0.07810495	turquoise
0.3657556	0.9570536	0.02594426	0.1649139	0.7679173	0.4830779	0.8616536	0.8616536	grey
0.1665587	0.1973326	0.2515875	0.8156409	0.5207994	0.5046723	0.05145706	0.05145706	grey
0.5912089	0.07936521	0.07698	0.61861	0.409213	0.07189893	0.00273228	0.00273228	blue
0.58706	0.1540913	0.3588252	0.5753359	0.7034096	0.3730704	0.01647449	0.01647449	midnightblue
0.8791042	0.1647521	0.00151008	0.0547117	0.3314713	0.02569709	0.1353403	0.1353403	turquoise
0.5848058	0.06801654	0.4725162	0.2604731	0.741739	0.3980574	0.00044176	0.00044176	blue
0.7840162	0.00437978	0.3665427	0.8779558	0.9873438	0.7316132	0.00011968	0.00011968	blue
0.1478444	0.00964047	0.5161912	0.2128622	0.7964273	0.05123859	4.38E-08	4.38E-08	brown
0.4646649	0.00012176	0.00958016	0.0124111	0.322795	0.0800386	5.02E-21	5.02E-21	yellow
0.05188344	0.1089828	0.323624	0.6309124	0.5918422	0.5937166	0.00025142	0.00025142	grey
0.1756883	0.01231015	0.0452797	0.2927892	0.8315751	0.4015969	1.65E-06	1.65E-06	blue
0.6308296	0.3673464	4.01E-05	0.4418446	0.4906944	0.09253393	0.00147318	0.00147318	green
0.7119665	0.6770176	0.4645037	0.8332674	0.05920865	0.3343371	1.08E-05	1.08E-05	grey
0.03687639	0.8849847	0.106279	0.8114029	0.5913814	0.4495495	0.3332644	0.3332644	grey
0.712537	0.01024459	0.09532324	0.0303692	0.4113052	0.03690964	0.00819551	0.00819551	grey60
0.3727592	0.2706247	0.2395002	0.992357	0.9887218	0.2838861	0.3453101	0.3453101	turquoise
0.1940769	0.3276752	0.7807549	0.632752	0.5164817	0.00699732	1.50E-10	1.50E-10	grey
0.6259645	0.0058969	0.03172892	0.309256	0.4864693	0.4729192	1.38E-17	1.38E-17	brown
0.5808456	0.2141684	0.2774506	0.1770331	0.2237414	0.1158127	0.5398273	0.5398273	grey
0.6288147	0.8101585	0.6273048	0.5498904	0.5622377	0.9036521	0.4249102	0.4249102	grey
0.2779524	0.8547294	0.05877841	0.1206223	0.2387084	0.3055684	0.215754	0.215754	blue
0.7761405	0.4275252	0.4180526	0.2647386	0.7060952	0.3333234	0.2626718	0.2626718	pink
0.5426384	0.6236302	0.04781397	0.9655901	0.7317262	0.2090727	0.00210781	0.00210781	red
0.8460085	0.1609674	0.05279956	0.0391621	0.7539934	0.3269514	0.00751593	0.00751593	green
0.5823352	0.6535999	0.1630494	0.1941194	0.9887353	5.42E-05	3.70E-08	3.70E-08	yellow
0.04432689	0.1873176	0.03366519	0.0554486	0.4436739	0.03397774	0.1815177	0.1815177	turquoise
0.8153015	0.00059686	0.0334089	0.2753462	0.8607113	0.7303538	4.81E-18	4.81E-18	brown
0.274815	0.1121385	0.6929644	0.3749471	0.5505075	0.1267589	0.03141346	0.03141346	grey

0.423601	0.8712413	0.00063409	0.3095193	0.4000017	0.2185904	0.8395712	0.8395712	red
0.9065561	0.00083861	0.5800159	0.921572	0.5739905	0.3550899	0.00486741	0.00486741	grey
0.9058879	0.2340913	0.05389898	0.6682915	0.6973843	0.05842895	1.56E-09	1.56E-09	turquoise
0.1417958	0.1258558	0.00447128	0.8281028	0.3937172	0.5283978	0.935942	0.935942	turquoise
0.1546277	0.8014006	0.05452928	0.5292707	0.6691706	0.6269853	0.000501	0.000501	blue
0.7157583	0.3262938	0.00883732	0.1460512	0.8917457	0.2821981	0.01767857	0.01767857	grey
0.00228666	0.2780909	0.5480996	0.424202	0.8217466	0.4230749	0.00195442	0.00195442	blue
0.5993099	0.3610653	0.7639755	0.7812749	0.5024116	0.7116346	0.00277201	0.00277201	blue
0.2343799	0.527123	0.1538584	0.7894785	0.7771869	0.7568395	1.05E-06	1.05E-06	yellow
0.9959818	0.8445754	0.1807487	0.1202493	0.8528526	0.02318095	0.8750396	0.8750396	grey
0.6540025	0.1131111	0.03653884	0.2906687	0.8467305	0.4348117	0.8790077	0.8790077	turquoise
0.1258266	0.6624384	0.03398784	0.5691881	0.910151	0.4342741	0.659479	0.659479	grey
0.7380842	0.1527307	0.02506205	0.5586843	0.4873844	0.03627242	2.69E-07	2.69E-07	blue
0.07052101	0.2252004	0.8743579	0.4130412	0.588024	0.499654	3.21E-07	3.21E-07	yellow
0.4315902	0.01513152	0.308158	0.5553782	0.7477612	0.848826	5.13E-10	5.13E-10	yellow
0.4343131	0.020967	0.00388523	0.1389251	0.3612167	0.3336165	1.49E-12	1.49E-12	brown
0.2312885	0.1317279	0.06745657	0.2592267	0.776748	0.2728674	0.2034861	0.2034861	grey
0.5029515	0.651778	0.6771195	0.5799337	0.9466375	0.9008498	0.07531596	0.07531596	grey
0.2277277	0.5164818	0.7575044	0.4500069	0.5177766	0.3849903	0.01099613	0.01099613	red
0.8142344	0.9302181	0.8020977	0.4855043	0.368534	0.6623889	0.1730307	0.1730307	blue
0.390971	0.09069304	0.2230945	0.5205273	0.9538984	0.4015048	0.3893214	0.3893214	darkgrey
0.7125693	0.1463831	0.7116062	0.517483	0.6049254	0.3176629	0.08141698	0.08141698	grey
0.9769367	0.9916511	0.100373	0.5028606	0.5597786	0.7027238	3.85E-09	3.85E-09	yellow
0.5883132	0.1608388	0.8065606	0.3666218	0.02344089	0.1053571	0.231766	0.231766	green
0.6504781	0.4817006	0.02476848	0.0613433	0.00482436	0.0098178	0.4938417	0.4938417	turquoise
0.3408801	0.3083851	0.4340563	0.6970035	0.5167709	0.946778	0.5553784	0.5553784	blue
0.00229431	0.7149215	0.7153115	0.9939862	0.07504827	0.8266765	0.05303404	0.05303404	grey
0.3396485	0.6227803	0.6550713	0.5305897	0.2580198	0.5527801	1.36E-05	1.36E-05	grey
0.7442151	0.502227	0.3281112	0.6297147	0.5657339	0.3061439	0.0105287	0.0105287	turquoise
0.515086	0.6438469	0.2440961	0.3719752	0.8591788	0.1709882	0.1022919	0.1022919	turquoise
0.00197739	0.00597245	0.1721104	0.1697677	0.1759995	0.9600094	7.38E-06	7.38E-06	blue
0.980183	0.5708569	0.2540597	0.394512	0.3435949	0.5623263	0.5221137	0.5221137	grey
0.6608633	0.01926949	0.07254053	0.3918263	0.8498578	0.05455446	0.0072202	0.0072202	turquoise
0.1804093	0.1440321	0.4067663	0.2607632	0.5672908	0.6218922	5.71E-06	5.71E-06	blue
0.2044575	0.2085486	0.8597185	0.8851213	0.4615482	0.5238413	5.21E-09	5.21E-09	grey
0.8407953	0.8587364	0.0231302	0.2987961	0.9230614	0.8714763	4.51E-19	4.51E-19	yellow
0.4891243	0.9606147	0.00473317	0.4587544	0.487225	0.2085694	0.1564126	0.1564126	turquoise
0.3689692	7.71E-05	0.09236119	0.3912593	0.5373408	0.2400634	9.70E-07	9.70E-07	brown
0.3152564	0.9904719	0.1735523	0.6172902	0.9630939	0.1707847	0.1698423	0.1698423	red
0.4727822	0.09739579	0.07650269	0.4540264	0.8426767	0.4053678	0.08257128	0.08257128	grey
0.6862249	0.44592	0.4488733	0.004256	0.8978706	0.9209829	0.4819593	0.4819593	grey
0.6879756	0.00966764	0.2274808	0.055814	0.4340516	0.03333849	9.00E-07	9.00E-07	turquoise
0.5830795	0.1421821	0.00553832	0.2839143	0.9516088	0.5474214	0.00016156	0.00016156	turquoise
0.4762167	0.141119	0.114881	0.2273689	0.627664	0.1117132	0.00262831	0.00262831	blue
0.3436992	0.6040689	0.6945779	0.8033563	0.7935468	0.804144	0.4255132	0.4255132	turquoise
0.476772	0.1354446	0.06948823	0.4320376	0.9735986	0.06720306	0.3437391	0.3437391	turquoise
0.1202697	0.6082744	0.5684373	0.5729116	0.5530202	0.5383179	0.8571115	0.8571115	turquoise
0.3150738	0.4522666	0.3706865	0.6698016	0.7523966	0.9321468	2.34E-15	2.34E-15	yellow
0.2021977	0.1449596	0.5095381	0.2035594	0.6812975	0.4377382	0.05126942	0.05126942	green
0.5609031	0.7133252	0.1433315	0.8654549	0.6281269	0.3116493	0.8035081	0.8035081	blue
0.5958837	0.0326063	0.4851188	0.8786697	0.8378647	0.5629988	0.00107693	0.00107693	brown
0.00025189	0.3483267	0.1240834	0.4873011	0.4830896	0.9862835	0.5043657	0.5043657	grey
0.62909	0.8057861	0.00460931	0.8459422	0.05309199	0.9400914	1.49E-08	1.49E-08	yellow
0.04515539	0.5473738	0.8239631	0.1961548	0.5753759	0.2660591	0.0029789	0.0029789	blue
0.4897674	0.1114677	0.00016189	0.0420864	0.00358952	0.2245091	2.58E-16	2.58E-16	yellow
0.8953543	0.7067437	0.1714486	0.2475633	0.6388682	0.4270528	0.9557332	0.9557332	blue
0.3532718	0.3122287	0.6634613	0.6734101	0.7234826	0.7005497	0.6359516	0.6359516	grey
0.138602	0.1031998	0.8661999	0.6403955	0.1101712	0.3301788	0.07732234	0.07732234	grey
0.0158588	0.00180889	0.7254114	0.9754555	0.3999461	0.9713859	0.00390488	0.00390488	blue
0.2574002	0.07975941	0.500045	0.9871372	0.9704364	0.8536066	0.8629836	0.8629836	black
0.9394637	0.04505492	0.7220438	0.5432291	0.90609	0.1398365	2.56E-08	2.56E-08	grey

0.3735037	0.03455602	0.1099212	0.7653064	0.2958002	0.1282569	0.3639303	0.3639303	turquoise
0.3120898	0.09005297	0.532042	0.284588	0.3030263	0.7963138	0.00090669	0.00090669	grey
0.4574936	0.04110976	0.3242464	0.7290267	0.605812	0.8373074	0.00020023	0.00020023	blue
0.9344688	0.00338083	0.1590901	0.6961066	0.7209556	0.1155625	3.38E-08	3.38E-08	brown
0.1700002	0.8173024	0.1871023	0.2396515	0.8614169	0.05761754	0.00213475	0.00213475	blue
0.9216228	0.2143151	0.00083819	0.0299275	0.6922315	0.03696663	0.7751831	0.7751831	turquoise
0.05272159	0.7405904	0.9217631	0.4804733	0.982054	0.4292073	0.5054216	0.5054216	salmon
0.3260575	0.00579395	0.2820232	0.8766755	0.3343434	0.2555973	7.68E-05	7.68E-05	blue
0.3285234	0.1799325	0.7588217	0.6095429	0.7179235	0.701701	0.3434536	0.3434536	black
0.8714529	0.5389616	0.2215806	0.8218145	0.5955823	0.2985462	0.1951779	0.1951779	greenyellow
0.4291944	0.6910525	0.00916397	0.847323	0.9946133	0.00380878	0.3459082	0.3459082	turquoise
0.3743475	0.02544149	0.7134956	0.2686649	0.7021723	0.9358415	0.00043305	0.00043305	blue
0.1166252	0.4262327	0.08170734	0.0429266	0.1439268	0.01682501	0.00088744	0.00088744	blue
0.4206476	0.2328773	0.9046716	0.1827654	0.5234146	0.6983858	0.05055496	0.05055496	blue
0.8102747	0.09960713	0.1305317	0.2023733	0.531896	0.780377	0.00010834	0.00010834	blue
0.8666017	0.2564051	0.2483098	0.2495832	0.3432054	0.1001329	0.00965693	0.00965693	grey
0.936478	0.4810695	0.2500451	0.1935344	0.4225288	0.6617041	0.05068135	0.05068135	darkgreen
0.6502218	0.6377945	0.3591038	0.3347464	0.8702856	0.8853962	0.8942726	0.8942726	grey
0.9670946	0.00995073	0.2391689	0.4361088	0.3219587	0.7195413	0.0537719	0.0537719	turquoise
0.1687294	0.2061489	0.02847636	0.0466826	0.3488149	0.4052071	0.00575294	0.00575294	brown
0.7577647	0.2024231	0.611022	0.7568711	0.8556388	0.7586108	0.2120954	0.2120954	grey
0.09741429	0.9998796	0.03386567	0.540294	0.4420191	0.2855973	2.12E-17	2.12E-17	yellow
0.598252	0.1713614	0.5901508	0.1941841	0.9719546	0.8053637	0.04954146	0.04954146	green
0.1146572	0.7584094	0.2459007	0.5980399	0.6185962	0.06478412	0.4484291	0.4484291	grey
0.9261748	0.02866577	0.03344213	0.5650151	0.6779452	0.8957485	0.0366875	0.0366875	blue
0.1338079	0.6996434	0.3430597	0.1640969	0.3511568	0.5037875	0.6246562	0.6246562	darkturquoise
0.9688622	0.00013315	0.859648	0.4197292	0.7992433	0.3548239	1.28E-07	1.28E-07	turquoise
0.8382116	0.06860964	0.03726849	0.9155555	0.3925282	0.6896288	0.00073392	0.00073392	blue
0.1708726	0.8979664	0.379217	0.1990758	0.7397624	0.1936914	4.53E-07	4.53E-07	turquoise
0.4248628	0.2454431	0.7650264	0.2079175	0.6907555	0.3449526	0.3526338	0.3526338	grey
0.06302378	0.6918968	0.1118098	0.3210289	0.3039344	0.1158911	0.5191842	0.5191842	turquoise
0.7934343	0.00805553	0.1618779	0.9963233	0.4285467	0.09922196	0.00163055	0.00163055	blue
0.3810393	0.8603533	0.05052687	0.5580313	0.8702439	0.6468393	0.05929709	0.05929709	turquoise
0.2861761	0.6953228	0.443707	0.520232	0.8943363	0.7203737	0.00161166	0.00161166	grey
0.4619258	0.2362436	0.4124583	0.262827	0.8679339	0.9183829	0.1145472	0.1145472	grey
0.227612	0.6743902	0.2090337	0.0383996	0.5580042	0.3893719	0.6870241	0.6870241	black
0.8958449	0.5081818	0.05837204	0.6534525	0.4080976	0.5139226	0.5195199	0.5195199	turquoise
0.6711752	0.2904375	0.0486813	0.1506963	0.8701486	0.2427033	9.11E-23	9.11E-23	yellow
0.8882244	0.2469725	0.1574382	0.5970189	0.5225901	0.1746995	0.0288268	0.0288268	turquoise
0.0101588	0.2023766	0.03199843	0.746153	0.7154799	0.1679342	0.03325205	0.03325205	turquoise
0.6373051	0.02002904	0.01007876	0.7745089	0.9681626	0.07454723	8.18E-12	8.18E-12	turquoise
0.9364911	1.55E-05	0.3471726	0.248574	0.6165226	0.605677	1.25E-08	1.25E-08	brown
0.7584607	0.9707606	0.00045823	0.0796317	0.6773521	0.9621761	0.00020189	0.00020189	magenta
0.3242815	0.5569857	0.00959741	0.962032	0.02492641	0.0971216	1.17E-05	1.17E-05	magenta
0.5638044	0.6832284	0.1025093	0.1378602	0.9357449	0.2963296	0.3251374	0.3251374	cyan
0.4194868	0.8008671	0.7181167	0.2917198	0.9091032	0.9077691	0.00776948	0.00776948	black
0.8369336	0.5641704	0.9503156	0.4547365	0.2068495	0.8893903	0.00370248	0.00370248	grey
0.1475578	0.7974635	0.8779319	0.8216767	0.3540178	0.665676	0.1935288	0.1935288	blue
0.5239762	0.9180655	0.3729241	0.8974233	0.8090288	0.05209507	0.4425932	0.4425932	grey
0.6446312	0.5994434	0.7005201	0.9733227	0.9507291	0.3815397	0.8562735	0.8562735	grey
0.3503148	0.6605173	0.1959074	0.4654654	0.9268364	0.4945754	0.00912366	0.00912366	blue
0.3238778	0.08636204	0.00321313	0.2451594	0.06395325	0.3425652	6.93E-10	6.93E-10	brown
0.9270776	0.09339388	0.00132616	0.5725317	0.7091333	0.04362727	0.04347037	0.04347037	turquoise
0.350298	0.1519338	0.01207044	0.6667346	0.2371791	0.6983672	0.2716692	0.2716692	turquoise
0.3410126	0.4186439	0.06148673	0.5147575	0.6957691	0.3958023	0.1545613	0.1545613	blue
0.2654511	0.187848	0.271187	0.1578517	0.6441049	0.3348682	0.8209786	0.8209786	blue
0.03421593	0.3287155	0.00267908	0.0634869	0.6007079	0.07582313	0.00822571	0.00822571	blue
0.2821454	0.00691261	0.8663438	0.8046975	0.9591871	0.1283191	0.00071417	0.00071417	grey
0.2189945	0.05056263	0.09891961	0.3673155	0.9300757	0.4006869	0.4410809	0.4410809	darkred
0.03854401	0.09361227	0.9946712	0.9389278	0.6889045	0.9311143	0.00016751	0.00016751	yellow
0.3364258	0.08885143	0.01275247	0.5026817	0.8535154	0.00963537	0.00158656	0.00158656	turquoise

0.6848083	0.01585156	0.8686796	0.0704703	0.9806498	0.4834454	2.40E-08	2.40E-08	darkturquoise
0.9635444	0.00990064	0.2073519	0.2582674	0.4864818	0.2483067	1.70E-17	1.70E-17	brown
0.3287248	0.2049223	0.4074714	0.2989092	0.3813619	0.4023997	0.0189956	0.0189956	green
0.3479841	0.2181838	0.06909435	0.2412671	0.669642	0.07477225	0.02144047	0.02144047	turquoise
0.3406617	0.1743299	7.41E-05	0.0531516	0.8692243	0.00132495	0.428306	0.428306	turquoise
0.7072728	0.02134493	0.3933167	0.9648671	0.5667249	0.8308092	0.2137891	0.2137891	grey
0.211009	0.9832062	0.1872271	0.9455709	0.4961997	0.5519638	0.00036112	0.00036112	grey
0.7597289	0.2170796	0.09977601	0.8395669	0.1829734	0.8056189	3.95E-06	3.95E-06	blue
0.4186454	0.2124861	0.06661227	0.1700008	0.1100965	0.09267702	0.00116871	0.00116871	turquoise
0.7193457	0.9375737	0.05700361	0.9773864	0.9620916	0.1736397	0.1076236	0.1076236	turquoise
0.6692145	0.4476631	0.9759569	0.072298	0.5341267	0.1209667	0.6974804	0.6974804	turquoise
0.349208	0.8682256	0.04015413	0.1566269	0.8516491	0.1618421	0.3179998	0.3179998	turquoise
0.4568888	0.6005457	0.00156757	0.7229851	0.8591789	0.06290349	0.1879863	0.1879863	turquoise
0.8481457	0.5999728	0.06156406	0.7001796	0.7608041	0.04297015	0.9787152	0.9787152	cyan
0.7562207	0.9954248	0.8184331	0.7490436	0.7780636	0.4540588	0.05657768	0.05657768	blue
0.00073695	0.03601404	0.3749406	0.5448284	0.499339	0.7960699	0.00981527	0.00981527	blue
0.6070225	0.7382819	0.05562696	0.1072358	0.9386046	0.05155792	0.00039767	0.00039767	turquoise
0.8557643	0.04404513	0.4965242	0.0392128	0.2622332	0.04643643	8.11E-05	8.11E-05	grey
0.7805348	0.1503165	0.6094293	0.6827154	0.6491843	0.4227033	0.00046552	0.00046552	blue
0.976347	0.6453737	0.1466824	0.1096404	0.4211708	0.05286731	0.00319507	0.00319507	turquoise
0.4149537	0.4720167	0.03003665	0.0738809	0.8254721	0.1183887	6.30E-07	6.30E-07	yellow
0.2748035	0.5874294	0.4924993	0.5681592	0.5150983	0.5868876	0.7205966	0.7205966	grey
0.7917768	0.3352813	0.6317378	0.9053748	0.1747905	0.09013441	0.5341726	0.5341726	grey
0.5347412	0.8438327	0.6607404	0.6302323	0.7691909	0.8457844	0.4963259	0.4963259	salmon
0.3530651	0.09425024	0.4173102	0.1929293	0.7524775	0.4526353	5.34E-06	5.34E-06	grey
0.9988004	0.2617949	0.00040877	0.1564343	0.562386	0.3278434	0.08477229	0.08477229	magenta
0.5439127	0.328236	0.694419	0.5160731	0.9740467	0.135181	0.4421253	0.4421253	grey
0.3988639	0.2027782	0.3809225	0.285984	0.3922215	0.3242562	0.7166071	0.7166071	blue
0.3632851	0.8562146	0.8880149	0.1478397	0.3296676	0.3048491	0.00895585	0.00895585	royalblue
0.3868733	0.02089053	0.0406585	0.5644353	0.6405385	0.4142139	0.00966421	0.00966421	grey
0.1224439	0.5835068	0.1097454	0.448055	0.9955753	0.5700073	0.3087583	0.3087583	blue
0.1397126	0.8664711	0.2719092	0.6962893	0.9743738	0.2811847	0.00011993	0.00011993	blue
0.9783113	0.1734533	0.4634566	0.8231249	0.8351562	0.5569015	7.64E-06	7.64E-06	blue
0.9854878	0.5907137	0.1082779	0.5470599	0.7659419	0.2427191	3.91E-06	3.91E-06	blue
0.5878714	0.3276494	0.4667749	0.9876603	0.9805049	0.812505	0.00877802	0.00877802	turquoise
0.2598315	0.6112253	0.0259994	0.391789	0.988096	0.08525022	0.00739058	0.00739058	green
0.9758749	0.00954443	0.4748432	0.7498769	0.5070366	0.06431215	2.93E-06	2.93E-06	brown
0.6802147	0.1713549	0.148068	0.766071	0.1444891	0.3443679	0.01007072	0.01007072	blue
0.1500636	0.6839899	0.5708955	0.6580372	0.957044	0.2108927	0.04183419	0.04183419	black
0.1350972	0.7339664	0.4823218	0.8449637	0.8768298	0.2545656	0.6579974	0.6579974	red
0.8110047	0.8171618	0.01537624	0.0128832	0.8162386	0.05619423	0.6685751	0.6685751	grey
0.2956099	0.1973941	0.04413451	0.9493803	0.6681654	0.4556436	0.03287716	0.03287716	grey
0.7347314	0.09046937	0.00112954	0.640495	0.3122026	0.07759901	0.1114084	0.1114084	blue
0.2761919	0.6490764	0.3567727	0.759447	0.8783989	0.8418505	0.03049067	0.03049067	grey
0.5990583	0.07701347	0.9326909	0.1060077	0.2551292	0.1562231	7.93E-06	7.93E-06	grey
0.9918649	0.03568424	0.5000224	0.5503261	0.4985114	0.4854894	7.03E-06	7.03E-06	pink
0.2287164	0.2729599	0.8227539	0.0293967	0.4476223	0.09532993	0.1020329	0.1020329	grey
0.09271426	0.2024045	0.4219981	0.7014125	0.7095891	0.2216658	0.2839378	0.2839378	blue
0.2720086	0.3913802	0.03888442	0.374932	0.3955243	0.2396298	9.32E-07	9.32E-07	red
0.8922724	0.7638562	0.00312192	0.1419173	0.334809	0.4925956	3.67E-07	3.67E-07	turquoise
0.6684115	0.2357911	0.07332542	0.4722806	0.2982998	0.05353019	0.5533669	0.5533669	turquoise
0.04544948	0.7571093	0.07949824	0.2413424	0.398592	0.00146166	0.00390395	0.00390395	grey
0.6440943	0.2157572	0.09682815	0.1441722	0.6945111	0.1141598	0.00025374	0.00025374	turquoise
0.09112464	0.2491535	0.9777428	0.527579	0.2377238	0.2491709	0.02247848	0.02247848	turquoise
0.3756913	0.1000055	0.05429552	0.6185942	0.4128727	0.3485512	0.01218317	0.01218317	blue
0.3733586	0.5885061	0.00158281	0.0321288	0.4004651	0.1080149	1.38E-05	1.38E-05	brown
0.7289147	0.3590831	0.03262107	0.4911176	0.9231959	0.1646122	0.1110212	0.1110212	turquoise
0.2913426	0.01358537	0.1198849	0.7910103	0.9806911	0.3464308	0.01171735	0.01171735	turquoise
0.7782132	0.4250448	0.00592547	0.1711075	0.9338123	0.7646406	0.00942094	0.00942094	magenta
0.3905413	0.6866	0.8520182	0.7484486	0.3575043	0.9264961	0.1300402	0.1300402	grey
0.08609822	0.0240049	0.7391386	0.5589365	0.7797199	0.9780844	1.07E-05	1.07E-05	blue

0.5886901	0.0437817	0.00275894	0.0166648	0.6120045	0.00900675	0.0026245	0.0026245	turquoise
0.9385178	0.2434752	0.128952	0.4950954	0.2027827	0.412348	0.7457585	0.7457585	turquoise
0.1506638	0.4067599	0.9132639	0.276156	0.3147238	0.5304886	0.00960889	0.00960889	grey
0.09019233	0.7397838	0.7298048	0.2466612	0.598758	0.3422083	0.25145	0.25145	royalblue
0.6610764	0.2398471	0.00348455	0.7051032	0.9025367	0.6439542	2.93E-07	2.93E-07	magenta
0.2386357	0.159384	0.3957639	0.5867051	0.5760689	0.7505427	0.5772429	0.5772429	turquoise
0.2624565	0.8638898	0.8389901	0.5650065	0.1860975	0.3269324	5.81E-05	5.81E-05	grey
0.1585912	0.5677378	0.9930575	0.4319634	0.6717506	0.1478749	0.7836401	0.7836401	grey
0.6058458	0.512479	0.4234213	0.0227331	0.3317156	0.2596056	0.00123175	0.00123175	turquoise
0.2191624	0.01830502	0.7828181	0.5433676	0.7558948	0.2699224	7.32E-07	7.32E-07	turquoise
0.8055268	0.8940792	0.2336168	0.5768252	0.7515406	0.2298737	0.9006323	0.9006323	grey
0.9894741	0.1368951	0.01828077	0.3834486	0.5235879	0.0365887	0.5416714	0.5416714	grey
0.2960138	0.08553253	0.3306795	0.695595	0.8032068	0.210629	1.70E-08	1.70E-08	blue
0.6935222	0.3441473	0.00428177	0.8855937	0.8077391	0.07101788	0.963356	0.963356	tan
0.5004663	0.1812356	0.8214418	0.36918	0.8841465	0.4154758	2.09E-10	2.09E-10	brown
0.9650631	0.09097627	0.00126143	0.063025	0.4346117	0.05598775	0.06418799	0.06418799	turquoise
0.4521264	0.3893733	0.00150796	0.0586706	0.3356178	0.0156686	0.3893942	0.3893942	turquoise
0.0804747	0.01499461	0.1341503	0.3124753	0.4877807	0.02925972	0.00029021	0.00029021	turquoise
0.4451814	0.1870632	0.00406732	0.2917935	0.942735	0.2185876	0.2996702	0.2996702	grey
0.9252499	0.02733748	0.2725975	0.6845231	0.3379531	0.1641475	1.05E-05	1.05E-05	turquoise
0.1201939	0.04207459	0.06856318	0.9439357	0.2726778	0.2690594	2.30E-06	2.30E-06	turquoise
0.5324476	0.938839	0.2838835	0.6333747	0.4438572	0.3497811	0.1068809	0.1068809	grey
0.7126925	0.1177765	0.03829764	0.1234936	0.8564125	0.8856671	3.93E-10	3.93E-10	brown
0.8861169	0.5035498	0.2392009	0.9592278	0.5487142	0.66275	0.4063343	0.4063343	grey
0.9968104	0.5696828	0.02055843	0.136084	0.768302	0.05962935	0.6079112	0.6079112	white
0.6731898	0.02674973	0.00122047	0.4123289	0.8497784	0.8800686	1.47E-31	1.47E-31	brown
0.9211546	0.8000055	0.00061775	0.0459998	0.9731078	0.1429441	0.00013354	0.00013354	grey
0.5663158	0.5072831	0.2342223	0.1246445	0.8619945	0.381279	0.00088464	0.00088464	blue
0.3303619	0.9435573	0.3018756	0.8304731	0.08897347	0.5543696	0.2061527	0.2061527	grey
0.8349464	0.02119465	0.08405362	0.2725975	0.801043	0.8917028	8.12E-05	8.12E-05	turquoise
0.7419255	0.8108829	0.2053369	0.0334736	0.8400228	0.03889593	0.01458824	0.01458824	turquoise
0.5904577	0.7087436	0.4146171	0.1278808	0.625109	0.3170119	0.01537023	0.01537023	turquoise
0.3002732	0.00427997	0.6355553	0.7587906	0.3645487	0.275571	0.00017443	0.00017443	blue
0.3394647	0.5896716	0.4380011	0.2748812	0.7849054	0.1370634	0.5236412	0.5236412	grey
0.6900881	0.1058343	0.02574776	0.5161275	0.5723996	0.3211607	6.94E-08	6.94E-08	brown
0.8299214	0.2702018	0.03102013	0.9525893	0.8572114	0.7663339	2.54E-09	2.54E-09	magenta
0.3092378	0.8416086	0.5424402	0.4211594	0.8773602	0.1747466	0.3099369	0.3099369	turquoise
0.1688383	0.00026104	0.4637202	0.6304396	0.5016192	0.714911	4.64E-09	4.64E-09	blue
0.00189276	0.02291862	0.9716452	0.7510302	0.4608025	0.7060505	2.18E-05	2.18E-05	blue
0.2049497	0.00232124	0.1329444	0.503783	0.4555403	0.5762685	2.43E-08	2.43E-08	grey
0.205908	0.1293143	0.2904841	0.7978806	0.1334611	0.2202289	2.41E-05	2.41E-05	blue
0.581551	0.6161705	0.5546243	0.9373931	0.9924538	0.6888477	0.6197207	0.6197207	grey
0.4669101	0.6312615	0.02716608	0.0346378	0.8625647	0.03912373	0.7895702	0.7895702	grey
0.02379201	0.3139572	0.4514822	0.7587049	0.9070928	0.3474237	0.4364881	0.4364881	turquoise
0.970495	0.4184449	0.3387884	0.7238537	0.59481	0.04987574	0.01248245	0.01248245	blue
0.5975476	0.1321619	0.07587806	0.0158321	0.6101857	0.00970019	0.00029453	0.00029453	turquoise
0.3513272	0.2904083	0.01894045	0.3467487	0.9144872	0.02026138	9.84E-06	9.84E-06	blue
0.01249512	0.6443321	0.9631503	0.8520583	0.9447827	0.5700451	0.4030662	0.4030662	blue
0.1389843	0.00607832	0.00114791	0.0445352	0.08940068	0.01479461	5.96E-05	5.96E-05	yellow
0.04698528	0.2510952	0.259926	0.323256	0.3768017	0.2065406	0.00191978	0.00191978	grey
0.9830146	0.00013402	0.07160476	0.3731699	0.3909726	0.5309971	5.17E-21	5.17E-21	brown
0.6679981	0.00992498	0.06963861	0.693263	0.8083492	0.6236727	0.00418349	0.00418349	turquoise
0.9303963	0.8917656	0.7728836	0.4582098	0.6059351	0.5381088	0.7166528	0.7166528	brown
0.2396692	0.07129337	0.4910027	0.9992791	0.9307532	0.7593431	0.7749468	0.7749468	turquoise
0.5015209	0.2766208	0.9677754	0.7019382	0.51403	0.398384	0.02832211	0.02832211	blue
0.6133979	0.1062309	0.7762671	0.2765976	0.721399	0.511361	0.00026574	0.00026574	blue
0.4446733	0.3864611	0.8877425	0.5582422	0.4453159	0.2600178	0.6414648	0.6414648	grey
0.4285933	0.05138928	0.4540267	0.2038999	0.7834967	0.2742181	0.1319479	0.1319479	grey
0.7652169	0.3692405	0.1164326	0.5691841	0.4307988	0.6291949	5.45E-05	5.45E-05	grey
0.2809169	0.07214561	0.4714225	0.5419541	0.9971725	0.6536404	0.4500734	0.4500734	pink
0.2310191	0.8120319	0.8221087	0.7565763	0.4390793	0.2838321	0.2820908	0.2820908	grey

0.8042341	0.7687302	0.4226677	0.506679	0.2806164	0.3740121	3.60E-07	3.60E-07	blue
0.8284612	0.08682491	0.01283182	0.2030059	0.5565137	0.02655742	0.7589914	0.7589914	grey
0.6396918	0.00583014	0.00665678	0.6257532	0.7450112	0.9730302	1.14E-20	1.14E-20	brown
0.7671632	0.8968152	0.00172968	0.1464537	0.6352507	0.3749063	0.748791	0.748791	turquoise
0.2422771	0.451527	0.00088796	0.0403241	0.5177782	0.08428773	0.9733256	0.9733256	turquoise
0.1881602	0.9720815	0.2770844	0.1837041	0.5598513	0.1401518	0.1140895	0.1140895	turquoise
0.4304385	0.01370975	0.5772967	0.1927628	0.4370134	0.7921844	0.00068233	0.00068233	turquoise
0.4216151	0.7081653	0.7627901	0.2681574	0.4649654	0.237558	0.399506	0.399506	grey
0.2870618	0.3024706	0.5552161	0.1801689	0.9935301	0.6195593	0.04882609	0.04882609	blue
0.01866617	0.05822447	0.01285929	0.2734594	0.9340267	0.3362645	0.00071709	0.00071709	blue
0.1108679	0.6632153	0.2332767	0.8601329	0.00735736	0.4877712	0.9688268	0.9688268	grey
0.04519037	0.0656554	0.03058515	0.5167896	0.8537864	0.5723756	0.207171	0.207171	blue
0.1132974	0.1192699	0.2791093	0.3850139	0.4766122	0.1769094	0.00128664	0.00128664	turquoise
0.1925641	0.04943127	0.7843646	0.7237104	0.8887661	0.4683506	0.00084106	0.00084106	blue
0.04507565	0.7795161	0.6756357	0.9842528	0.4796118	0.7180089	0.00257179	0.00257179	midnightblue
0.328497	0.1604197	0.369174	0.3229675	0.7304552	0.988763	0.1399507	0.1399507	pink
0.5630778	0.3208739	0.5431609	0.4848188	0.7310596	0.632114	0.00272338	0.00272338	salmon
0.1249649	0.04545059	0.3173522	0.7729229	0.8637443	0.2765711	0.00281926	0.00281926	blue
0.2683647	0.01087928	0.4266411	0.420803	0.2606842	0.3544614	0.9356672	0.9356672	green
0.3235757	0.2396922	0.09706968	0.3279317	0.8898236	0.7965973	0.2955324	0.2955324	brown
0.2087555	0.4386136	0.969935	0.0256813	0.5697603	0.06521282	0.2238753	0.2238753	grey
0.04017029	0.04839651	0.03199965	0.2523758	0.6471047	0.5126081	1.89E-05	1.89E-05	grey
0.8594779	0.6674621	0.09644237	0.9020823	0.3094477	0.5116451	0.08318482	0.08318482	turquoise
0.969577	0.4775238	0.9391779	0.9537652	0.9948027	0.7448441	0.05572117	0.05572117	red
0.1500475	0.2418637	0.8809091	0.6462482	0.5013074	0.6431032	0.4245471	0.4245471	turquoise
0.6764338	0.4347705	0.3261459	0.4945332	0.5296743	0.8103911	0.2993254	0.2993254	grey
0.8550487	0.4765282	0.00020045	0.844882	0.2719305	0.1766929	0.00688243	0.00688243	pink
0.0329667	0.01500152	0.5727803	0.0572124	0.8140768	0.8368214	1.62E-10	1.62E-10	blue
0.1035839	0.2414018	0.8295204	0.7798945	0.709646	0.9479858	0.00017055	0.00017055	grey
0.5074326	0.01117246	0.00090585	0.0673737	0.09336977	0.1239772	8.35E-08	8.35E-08	turquoise
0.6721938	0.213932	0.00440487	0.2347915	0.9008852	0.1162721	0.00338083	0.00338083	turquoise
0.7526552	0.02850694	0.6550063	0.8770373	0.4093108	0.5672754	0.03305995	0.03305995	grey
0.1872255	0.1750855	0.9378804	0.9486729	0.9805529	0.8648289	0.04858943	0.04858943	grey
0.6304925	0.4687479	0.1414718	0.4598503	0.5936903	0.1034629	0.3971664	0.3971664	blue
0.1762382	0.3684269	0.845745	0.4409088	0.4781603	0.224669	0.9056805	0.9056805	cyan
0.6988022	0.4528156	0.5494176	0.5482466	0.3011615	0.4434135	0.6835939	0.6835939	turquoise
0.4978116	0.238821	0.4942814	0.2660352	0.6911474	0.1876211	0.181602	0.181602	turquoise
0.07945245	0.3782477	0.3872682	0.6246716	0.9523552	0.9379873	0.7300255	0.7300255	grey
0.01080793	0.9633289	0.1033135	0.9245565	0.3497997	0.6938981	0.6540012	0.6540012	grey
0.2866541	0.3317109	0.0586595	0.4442425	0.8741167	0.1169643	0.11956	0.11956	green
0.2794945	0.06890427	0.1386183	0.1526839	0.2389341	0.316425	1.31E-05	1.31E-05	green
0.8859969	0.08330851	0.05679898	0.8949679	0.4564618	0.07088411	0.2292959	0.2292959	turquoise
0.7963552	0.01134992	0.01355086	0.2670549	0.9965636	0.807998	3.19E-28	3.19E-28	brown
0.8159219	0.7351362	0.9022671	0.6501514	0.7101684	0.5635178	0.3894029	0.3894029	grey
0.3704104	0.6543	0.762049	0.5687831	0.4944775	0.5722316	0.00263471	0.00263471	grey
0.04034357	0.1402049	0.7380314	0.638896	0.0555166	0.2167958	0.2927218	0.2927218	grey
0.01699696	0.01375749	0.8726884	0.6717111	0.2544169	0.9528081	1.73E-08	1.73E-08	blue
0.564073	0.5201869	0.3861809	0.6687834	0.3823922	0.06949494	0.2021834	0.2021834	grey
0.5011381	0.7057701	0.4524319	0.8905366	0.1767674	0.3739276	0.00015282	0.00015282	grey
0.548327	0.1219231	0.4073281	0.4609362	0.8483485	0.8941286	9.20E-21	9.20E-21	yellow
0.1072767	0.1811865	0.05076131	0.643487	0.9737124	0.3768249	0.3485645	0.3485645	turquoise
0.5272328	0.02748728	0.4725893	0.447772	0.3531159	0.6211926	0.00052385	0.00052385	blue
0.507107	0.3587059	0.5811698	0.6869602	0.9811759	0.6136762	0.920896	0.920896	greenyellow
0.5596019	0.1653724	0.095158	0.4210787	0.5756088	0.7710715	0.2814355	0.2814355	turquoise
0.737763	0.5670562	0.6343583	0.1106847	0.7540285	0.9367328	0.1170331	0.1170331	black
0.1477846	0.7834523	0.7150075	0.1901331	0.2784117	0.6257422	0.7066907	0.7066907	royalblue
0.7783809	0.9528753	0.6001745	0.4228426	0.2546684	0.1197036	0.2696867	0.2696867	blue
0.1114817	0.2456315	0.4017582	0.458559	0.04024965	0.1912781	0.8809959	0.8809959	grey
0.2219349	0.00690807	0.1731232	0.9026479	0.7072666	0.3615971	4.24E-07	4.24E-07	brown
0.4223719	0.5021638	0.1022859	0.1263393	0.5269274	0.684703	0.531337	0.531337	grey
0.4086798	0.3133843	0.6587779	0.8766008	0.3272862	0.6771643	1.28E-06	1.28E-06	brown

0.1260094	0.5668956	0.4218769	0.4369933	0.9039126	0.06436258	0.3745421	0.3745421	turquoise
0.554306	0.7805783	0.6161469	0.59747	0.6679951	0.3539383	0.4878884	0.4878884	turquoise
0.1227251	0.6576671	0.3352858	0.1413583	0.3907664	0.7024847	0.01853014	0.01853014	grey
0.4351401	0.941955	0.3035509	0.994349	0.327013	0.2035608	0.1753621	0.1753621	blue
0.2530315	0.2471542	0.8184439	0.7049028	0.3212436	0.5659054	0.2733993	0.2733993	grey
0.171383	0.7649091	0.4350172	0.5868088	0.7663825	0.04710577	0.08301109	0.08301109	blue
0.2923735	0.6841422	0.9793681	0.4069024	0.9598982	0.3767728	0.270157	0.270157	grey
0.6087662	0.01938304	0.1055834	0.041857	0.289691	0.2813895	0.00031741	0.00031741	blue
0.2231788	0.1712731	0.6904192	0.4143532	0.6458749	0.07438698	0.08603446	0.08603446	grey
0.9518151	0.9489609	0.4402769	0.1321189	0.8753235	0.2374846	0.00407299	0.00407299	grey
0.7072046	0.2309292	0.04685393	0.1479194	0.6420727	0.7573487	0.732603	0.732603	turquoise
0.3630642	0.1515118	0.03082132	0.1566443	0.7007259	0.03116427	0.01334192	0.01334192	green
0.6662676	0.2574356	0.08632518	0.7007427	0.7047111	0.6030895	0.00261018	0.00261018	green
0.3358053	0.9212798	0.00838636	0.3570265	0.8705498	0.9803066	0.00136289	0.00136289	green
0.1721895	0.9160746	0.1242433	0.4839477	0.5520592	0.4061555	0.00043172	0.00043172	turquoise
0.419983	0.6566506	0.00102843	0.2462099	0.5795587	0.2555917	0.1118554	0.1118554	pink
0.5678967	0.3008051	0.1332061	0.3509945	0.847242	0.9201378	0.00013433	0.00013433	yellow
0.2424937	0.2887331	0.6336023	0.7349658	0.8816932	0.2977558	0.0062682	0.0062682	turquoise
0.4084243	0.1639644	0.0685774	0.0844332	0.3450912	0.07106287	0.1471499	0.1471499	turquoise
0.01064867	0.00676413	0.2046043	0.6761437	0.1187576	0.853652	7.46E-07	7.46E-07	turquoise
0.04448754	0.9740732	0.1652499	0.991443	0.5576798	0.5584211	7.21E-05	7.21E-05	grey
0.4096748	0.1188741	0.6912571	0.5305315	0.6166928	0.9727277	0.9124705	0.9124705	greenyellow
0.3652243	0.04561764	0.5984912	0.1518484	0.4427399	0.1869741	2.10E-06	2.10E-06	brown
0.1146707	0.1044896	0.00856709	0.3497776	0.9452834	0.102154	0.1319326	0.1319326	turquoise
0.3274972	0.2571296	0.7883203	0.9009336	0.6179387	0.1159002	0.01513353	0.01513353	turquoise
0.9129571	0.06692086	0.9976992	0.151294	0.4825602	0.3440831	0.8941201	0.8941201	turquoise
0.1736409	0.2294759	0.8164726	0.081455	0.2646927	0.7981238	0.1050372	0.1050372	turquoise
0.8491766	0.00371715	0.2081974	0.8621323	0.4382401	0.9573757	0.0003159	0.0003159	blue
0.1257105	0.1872245	0.3385358	0.9409664	0.9502182	0.4194262	0.00225263	0.00225263	blue
0.811797	0.0115724	0.01853041	0.101401	0.5975954	0.3182881	4.41E-07	4.41E-07	brown
0.9864889	0.8126482	0.2311001	0.5416835	0.9807111	0.1181547	0.1148214	0.1148214	blue
0.6732772	0.9544447	2.22E-05	0.049354	0.3315459	0.00486637	0.774847	0.774847	turquoise
0.6360504	0.3676234	0.1703958	0.3382456	0.9867024	0.9709747	0.4588013	0.4588013	purple
0.7735427	0.9362005	0.1438597	0.5915768	0.9828668	0.2117639	0.6738145	0.6738145	turquoise
0.8001674	0.00065754	0.02806018	0.3568082	0.7288309	0.4062113	2.44E-12	2.44E-12	brown
0.1883798	0.4294963	0.2730692	0.315538	0.1840525	0.2302684	0.00631757	0.00631757	turquoise
0.1879327	0.0007766	0.4231072	0.3634251	0.4129844	0.7953063	1.52E-12	1.52E-12	turquoise
0.3686443	0.1117781	0.05793677	0.0083073	0.7374654	0.1712651	0.00013395	0.00013395	grey
0.4307507	0.03918626	0.6078783	0.8666479	0.3875111	0.850541	0.00100295	0.00100295	brown
0.1712454	0.00166731	0.8887992	0.2274746	0.5723229	0.9128289	0.00434871	0.00434871	grey
0.8103666	0.4271524	0.870718	0.8775865	0.6402188	0.9897561	0.2807214	0.2807214	turquoise
0.1219099	0.7230167	2.43E-05	0.0109621	0.08133463	0.02480339	0.1653334	0.1653334	turquoise
0.5503385	0.3913829	0.3745951	0.9393848	0.8508511	0.1303212	0.00876485	0.00876485	blue
0.2345136	0.9877303	0.1053416	0.2910002	0.5423087	0.2160697	0.4263667	0.4263667	red
0.5662024	0.202346	0.00177217	0.1581332	0.4590262	0.1718745	2.50E-08	2.50E-08	green
0.2650738	0.1953081	0.6354834	0.8703085	0.735712	0.7468308	0.00801459	0.00801459	blue
0.8830388	0.2683716	0.2640045	0.9937316	0.6436825	0.6189809	0.00035532	0.00035532	blue
0.1776533	0.9210185	0.4335508	0.6021328	0.1105874	0.5880838	0.4478958	0.4478958	turquoise
0.03846915	0.00544222	0.8968378	0.3057466	0.3352783	0.6434802	2.87E-08	2.87E-08	blue
0.09286567	0.1049371	0.2598967	0.6981801	0.7884611	0.4071459	9.94E-05	9.94E-05	blue
0.5778088	0.7864656	0.6578738	0.4401388	0.00538635	0.3133369	0.117322	0.117322	blue
0.01649232	0.7786185	0.00240644	0.4363284	0.5789254	0.6812364	0.165548	0.165548	tan
0.03138322	0.7098801	0.8391915	0.3952864	0.8135073	0.2680795	0.05994204	0.05994204	grey
0.1208822	0.2009947	0.00014905	0.0364885	0.7640893	0.2618993	1.28E-08	1.28E-08	yellow
0.1602664	0.5927613	0.219069	0.6151417	0.5756759	0.7613836	0.4103655	0.4103655	grey
0.4899069	0.4533961	0.02091194	0.6969982	0.8205945	0.03710657	0.0006001	0.0006001	turquoise
0.4961769	0.8497025	0.5959325	0.6804905	0.4529286	0.6414246	3.34E-06	3.34E-06	turquoise
0.7100266	0.6148866	0.9181066	0.1962389	0.4954218	0.6033125	0.1867072	0.1867072	midnightblue
0.3646328	0.2593515	0.6411209	0.5736954	0.9562614	0.6926137	0.284707	0.284707	turquoise
0.989198	0.06303663	0.1997861	0.0567585	0.4991246	0.09155211	0.3220683	0.3220683	grey
0.2168359	0.1546821	0.6351486	0.159553	0.7438416	0.4060988	4.06E-05	4.06E-05	lightyellow

0.6731981	0.307072	0.1987443	0.1590767	0.3660904	0.2018869	0.1189262	0.1189262	blue
0.8643905	0.1231195	0.2730383	0.8071177	0.8753803	0.9441313	0.1528365	0.1528365	blue
0.7189659	0.3832831	0.00072564	0.1833616	0.812178	0.3383806	4.31E-05	4.31E-05	magenta
0.1240882	0.295296	0.9145097	0.23205	0.9262783	0.2568298	0.06882591	0.06882591	lightcyan
0.5878158	0.00519131	0.875915	0.3391247	0.8954479	0.2533936	0.166952	0.166952	blue
0.5889185	0.8681931	0.4384231	0.031276	0.7973674	0.7366247	0.00277767	0.00277767	salmon
0.7037901	0.9653095	0.02913646	0.3808245	0.4836066	0.460321	0.295042	0.295042	pink
0.18571	0.3661408	0.00752337	0.1967479	0.1541849	0.08972525	4.60E-05	4.60E-05	yellow
0.5934718	0.00812972	0.0043261	0.1549952	0.745566	0.3678572	3.45E-24	3.45E-24	yellow
0.9623166	0.5392429	0.01751264	0.9643245	0.6784268	0.705335	1.54E-24	1.54E-24	yellow
0.06905298	0.00492288	0.3375859	0.7823177	0.3525562	0.7127659	0.00059052	0.00059052	green
0.8858964	0.8250691	0.7930377	0.63877	0.5273849	0.96888	0.8298893	0.8298893	royalblue
0.10689	0.951575	0.6567386	0.8094007	0.6480383	0.8303989	0.0778475	0.0778475	salmon
0.236635	0.0981661	0.4075593	0.4381413	0.5599521	0.3847834	3.83E-07	3.83E-07	brown
0.8432236	0.8039013	0.00325753	0.476437	0.9206415	0.4605071	0.6005581	0.6005581	turquoise
0.7424704	0.8346406	0.08902001	0.3277088	0.8246167	0.06835523	0.00516952	0.00516952	turquoise
0.2943206	0.0018085	0.1711628	0.971814	0.8471857	0.702259	0.08967055	0.08967055	grey
0.2805262	0.6600382	0.860594	0.5327507	0.9179817	0.8929398	0.2474258	0.2474258	grey
0.2477475	0.5437737	0.5297654	0.4081403	0.9869866	0.9489137	2.71E-06	2.71E-06	grey
0.3132525	0.1851669	0.07213342	0.7225049	0.7697585	0.09482937	1.20E-06	1.20E-06	blue
0.7445929	0.00115742	0.05172889	0.4546753	0.3587111	0.1446782	8.37E-13	8.37E-13	brown
0.3665705	0.1329239	0.6793728	0.9439126	0.7948673	0.8456855	0.3536188	0.3536188	royalblue
0.8753364	0.1785628	0.01228375	0.5537884	0.612908	0.3845703	0.1341578	0.1341578	turquoise
0.4386489	0.08197283	0.3399505	0.7931494	0.8000241	0.6801539	0.0100908	0.0100908	royalblue
0.7989793	0.7220272	0.4894103	0.2101109	0.5337108	0.6128522	0.9492342	0.9492342	blue
0.4320004	0.6670945	0.2709374	0.2492778	0.8825573	0.302797	0.4993025	0.4993025	midnightblue
0.02192684	0.1669206	0.5434409	0.2322177	0.6361957	0.8496468	1.93E-09	1.93E-09	blue
0.3618143	0.1544132	0.3017391	0.8168403	0.9736922	0.7379777	8.30E-10	8.30E-10	grey
0.0456256	0.1166379	0.6548328	0.1389901	0.3209476	0.1239247	0.0016245	0.0016245	skyblue
0.7643086	0.3259189	0.2541036	0.863576	0.1560312	0.3361491	0.9777269	0.9777269	blue
0.06659731	0.3265053	0.646634	0.5525437	0.07265983	0.8266532	0.4278093	0.4278093	turquoise
0.8847903	0.7433318	0.5051223	0.5827472	0.6678529	0.1931599	0.1661528	0.1661528	greenyellow
0.8456507	0.2618819	0.7500626	0.6006284	0.6843439	0.7576233	0.8588046	0.8588046	blue
0.9222576	0.7098876	0.898357	0.1052928	0.2655049	0.0540886	1.25E-06	1.25E-06	grey
0.02366836	0.08648429	0.3331132	0.7253847	0.8640819	0.5025434	0.07552831	0.07552831	turquoise
0.8094905	0.3136356	0.2539201	0.9003028	0.8747778	0.06693715	1.69E-06	1.69E-06	blue
0.08150346	0.5330558	0.01908945	0.8682938	0.1485822	0.7562387	0.03702201	0.03702201	grey
0.896204	0.1430367	0.0383939	0.5689033	0.5703296	0.06144193	0.00012465	0.00012465	blue
0.7118257	0.2896105	0.06021969	0.9816125	0.4455145	0.2076871	0.02024086	0.02024086	grey
0.8773843	0.2012223	0.8505025	0.4127275	0.4099456	0.4912229	0.00025753	0.00025753	blue
0.7403073	0.4016712	0.2589124	0.915374	0.5824922	0.1388378	0.00037846	0.00037846	blue
0.449473	0.02639188	0.2226841	0.3435602	0.3812793	0.7976128	0.6091607	0.6091607	grey
0.325349	0.897513	9.99E-05	0.1829935	0.8262521	0.1064799	0.00737465	0.00737465	pink
0.4660756	0.614531	0.3451753	0.6745183	0.6504493	0.8351522	0.1651591	0.1651591	red
0.2632601	0.9539035	0.03640984	0.2707721	0.910294	0.02878856	0.1006573	0.1006573	turquoise
0.667166	0.8476621	0.00046768	0.295585	0.6475562	0.1200832	0.6720286	0.6720286	turquoise
0.00145759	0.517937	0.09803614	0.3062834	0.2472174	0.4432996	0.3667866	0.3667866	turquoise
0.01435175	0.4274821	0.6042796	0.2674719	0.7352098	0.4557059	0.08260416	0.08260416	grey
0.6500921	0.00153147	0.00023421	0.1163728	0.7711087	0.8211372	1.17E-29	1.17E-29	yellow
0.6000108	0.0281022	0.7552041	0.8760117	0.1832191	0.2742293	0.5407022	0.5407022	blue
0.8737807	0.8097104	0.01456113	0.0269264	0.5290995	0.09754874	0.9976021	0.9976021	grey
0.1857657	0.05963408	0.453348	0.0061837	0.5674756	0.5008327	0.01549036	0.01549036	turquoise
0.5601661	0.7550118	0.02857765	0.1196466	0.5270099	0.1249373	0.02708863	0.02708863	turquoise
0.4078476	0.7154375	0.6120709	0.1621235	0.7045484	0.1765656	1.96E-05	1.96E-05	grey
0.2171789	0.1524801	0.8560818	0.3231377	0.8623441	0.4168952	0.00031184	0.00031184	grey
0.2188357	0.0583783	0.02419968	0.6034416	0.8730439	0.899109	1.91E-09	1.91E-09	brown
0.15537	0.9080637	0.8952172	0.6310614	0.9094285	0.4102434	8.94E-09	8.94E-09	yellow
0.4273494	0.1294078	0.00515447	0.3705547	0.6647241	0.1153754	0.6826752	0.6826752	turquoise
0.03334217	0.7586654	0.4787381	0.8755208	0.1696463	0.9688758	0.7657989	0.7657989	blue
0.2611478	0.3706092	0.3930691	0.0735811	0.1762344	0.1715003	0.2648536	0.2648536	grey
0.6272065	0.6180238	0.5315642	0.4807225	0.2296469	0.1656424	0.7381651	0.7381651	grey

0.8496138	0.09348953	0.6960477	0.3500004	0.746997	0.941049	2.47E-06	2.47E-06	turquoise
0.4943106	0.118878	0.2786924	0.3973752	0.9176842	0.1122644	0.00012872	0.00012872	blue
0.04731559	0.2174738	0.5464438	0.9683129	0.8044349	0.8884797	0.003382	0.003382	darkgrey
0.02587539	0.2666796	0.3046783	0.5103452	0.7166509	0.6156944	0.00038402	0.00038402	turquoise
0.6708405	0.3251969	0.00988136	0.0463777	0.7185368	0.0027816	0.00012625	0.00012625	turquoise
0.1237508	0.1838896	0.8232252	0.6697044	0.8390206	0.8764724	0.03354552	0.03354552	blue
0.2955301	0.00278174	0.00597096	0.7103896	0.5533516	0.5956738	2.16E-07	2.16E-07	grey
0.01560462	0.5279002	0.7910256	0.1181847	0.8810795	0.9799849	0.5638885	0.5638885	blue
0.0102904	0.9538141	0.214707	0.9683527	0.3971704	0.8386636	0.01900675	0.01900675	grey
0.9585575	0.669746	0.46989	0.8503618	0.8235894	0.3835617	6.50E-06	6.50E-06	blue
0.2496798	0.1869385	0.00091148	0.7805041	0.2751556	0.4038692	0.116794	0.116794	turquoise
0.4400566	0.3803334	0.06258818	0.0444467	0.1886061	0.7461993	0.6082254	0.6082254	grey
0.1065314	0.2172371	0.9006658	0.9176222	0.09444089	0.9972339	2.70E-05	2.70E-05	grey
0.9043708	0.0616625	0.9390256	0.7863311	0.3458579	0.5855923	0.00777643	0.00777643	blue
0.6646828	0.02467192	0.08036997	0.8898508	0.619589	0.7079837	3.30E-07	3.30E-07	brown
0.2020306	0.5163313	0.6879422	0.9569898	0.8258638	0.4189921	0.313056	0.313056	brown
0.312445	0.6867889	0.09124248	0.6317889	0.8853497	0.2577568	8.60E-05	8.60E-05	grey
0.5262787	0.671357	0.01084547	0.4426158	0.5188125	0.08813755	0.00102605	0.00102605	blue
0.576347	0.2307435	0.3205616	0.0210587	0.5226421	0.05976621	0.00591688	0.00591688	turquoise
0.1061825	0.7418607	0.9506107	0.2003626	0.8552882	0.2619849	1.35E-10	1.35E-10	grey
0.9092644	0.2524283	0.1556699	0.1667341	0.8362271	0.2117064	0.1319338	0.1319338	turquoise
0.7991977	0.03172028	0.3563775	0.8045656	0.4174853	0.9595913	5.88E-08	5.88E-08	yellow
0.1572625	0.1372491	0.5360808	0.3091033	0.8432037	0.387167	0.2696788	0.2696788	grey
0.04702903	0.317263	0.100848	0.3639912	0.2817871	0.2370165	1.04E-07	1.04E-07	yellow
0.6694697	0.7243998	0.1741568	0.7840992	0.4776538	0.5906493	0.01686139	0.01686139	blue
0.9477776	0.1205766	0.2682994	0.594944	0.775155	0.8958134	0.8107496	0.8107496	grey
0.4830681	0.2183861	0.1297723	0.9717117	0.8548635	0.7472963	0.00011518	0.00011518	grey
0.8213601	0.1093913	0.5978593	0.3201321	0.1156775	0.9163541	0.00077046	0.00077046	grey
0.4801002	0.5485918	0.2765504	0.6391041	0.01955239	0.5041607	0.00433494	0.00433494	grey
0.3779578	0.1637153	0.7726056	0.1657458	0.528216	0.3227814	0.00360717	0.00360717	turquoise
0.6614883	0.00563293	0.2560764	0.7300785	0.912161	0.4611569	2.18E-17	2.18E-17	brown
0.9701776	0.5274424	0.04562125	0.3704915	0.8150392	0.109437	0.0209512	0.0209512	blue
0.5777967	0.8751383	0.1199845	0.0433058	0.4606159	0.0332388	0.4784574	0.4784574	turquoise
0.969127	0.00270553	0.00184249	0.0038642	0.2969902	0.922573	9.54E-17	9.54E-17	yellow
0.1538729	0.2816392	0.0147416	0.258267	0.777261	0.1636408	0.01767999	0.01767999	turquoise
0.8702398	0.3358423	0.0116178	0.1548006	0.6231759	0.574013	0.00646302	0.00646302	turquoise
0.2288181	0.7699199	0.7033098	0.6625864	0.808865	0.7470789	0.07906309	0.07906309	grey
0.2573432	0.07678703	0.5202116	0.1979956	0.5816485	0.3577981	0.8488616	0.8488616	grey
0.3915014	0.04372554	0.9496352	0.7128494	0.8684192	0.2885846	0.01393114	0.01393114	grey
0.07457068	0.8895083	0.3552426	0.5936159	0.9507213	0.4589274	0.4535761	0.4535761	blue
0.02730914	0.6134808	0.9953583	0.3747667	0.6082729	0.6953627	0.6002498	0.6002498	grey
0.1917533	0.4279441	0.1324765	0.1930368	0.9805867	0.00722476	0.00027615	0.00027615	blue
0.1919463	0.7485767	0.3197121	0.5927332	0.3755166	0.627631	0.08987736	0.08987736	turquoise
0.131794	0.2158014	0.4674836	0.0667021	0.4317675	0.8492448	0.02307855	0.02307855	grey
0.644825	0.686075	0.007301	0.0594243	0.6841026	0.06113366	0.0559225	0.0559225	turquoise
0.2411956	0.08103014	0.1082988	0.1630812	0.4854054	0.6393049	0.06084813	0.06084813	grey
0.4540596	0.3133597	0.00057988	0.034509	0.5631022	0.2162894	0.0009855	0.0009855	yellow
0.09211996	0.04556922	0.5772223	0.5240599	0.80802	0.1889616	0.06566996	0.06566996	turquoise
0.7928316	0.00409741	0.4194572	0.466827	0.470163	0.7978418	3.63E-08	3.63E-08	turquoise
0.1415483	0.507915	0.4645221	0.5580457	0.5604076	0.8845177	0.521957	0.521957	grey
0.890749	0.00944406	0.00065903	0.2389415	0.428103	0.2070789	0.3805514	0.3805514	turquoise
0.1589008	0.2552394	0.5116801	0.4247559	0.6875905	0.3036909	0.3570747	0.3570747	turquoise
0.9467428	0.9732375	0.01574927	0.089439	0.386517	0.1282769	0.06125654	0.06125654	turquoise
0.1315894	0.8436168	0.9740225	0.4476612	0.8082006	0.6885844	0.7912585	0.7912585	turquoise
0.7949506	0.01852746	0.545044	0.5609865	0.5229785	0.9903601	0.04088967	0.04088967	black
0.4155107	0.0694144	0.05792933	0.9255134	0.5653087	0.3891214	0.4634715	0.4634715	green
0.7031028	0.00698087	0.00330045	0.0364915	0.3486041	0.6283179	5.38E-16	5.38E-16	brown
0.2751921	0.00245467	0.02229009	0.8273969	0.4403725	0.2697372	0.00153384	0.00153384	blue
0.4025866	0.8914625	0.1189667	0.4166233	0.5378199	0.7962328	0.02214132	0.02214132	pink
0.7535088	0.3847026	0.3768364	0.751384	0.4617788	0.7897115	0.0011891	0.0011891	turquoise
0.8885774	0.5729907	0.680922	0.780275	0.6407277	0.3030277	0.5533091	0.5533091	black

0.6017023	0.6312162	0.8538216	0.8710875	0.8358922	0.983056	0.3345999	0.3345999	blue
0.5386508	0.904256	0.1156798	0.0320814	0.1782289	0.0883511	0.7519755	0.7519755	lightyellow
0.1277827	0.4531414	0.194948	0.3606017	0.6468662	0.7915205	0.5373246	0.5373246	turquoise
0.06742962	0.6870484	0.2685833	0.984583	0.1017913	0.3504135	0.00033664	0.00033664	yellow
0.4466018	0.2375727	0.2069333	0.6684877	0.8785533	0.08937	0.00036378	0.00036378	blue
0.6551152	0.7588978	0.7461407	0.9740446	0.4845415	0.9628078	0.00541855	0.00541855	grey
0.6745208	0.6125039	0.04801974	0.3136633	0.4719538	0.4826688	0.5567531	0.5567531	darkorange
0.5446839	0.03316662	0.00021084	0.2020462	0.7826097	0.9789415	2.97E-24	2.97E-24	yellow
0.2361968	0.00774389	0.2546612	0.0426546	0.9149958	0.6763326	0.1156539	0.1156539	grey
0.9157409	0.4323374	0.3217558	0.5102159	0.7256979	0.765526	0.300879	0.300879	pink
0.2233014	0.7437883	0.6756381	0.7753682	0.6829103	0.08429151	0.5734449	0.5734449	turquoise
0.3781673	0.6845004	0.1207083	0.6180692	0.6386326	0.05354119	0.5625813	0.5625813	blue
0.5261704	0.7882362	0.1566003	0.793612	0.2922254	0.5965139	0.3043268	0.3043268	grey
0.5464281	0.1024425	0.00012635	0.1775649	0.6306183	0.1767667	0.1687935	0.1687935	turquoise
0.823392	0.3304673	0.01635432	0.2619042	0.00888752	0.496373	0.00110974	0.00110974	brown
0.00849898	0.3596669	0.8761559	0.5157276	0.1050977	0.9293359	0.3628197	0.3628197	grey
0.4829975	0.3481855	0.7707421	0.2026245	0.9476995	0.4597541	0.05001992	0.05001992	salmon
0.3171542	0.9426815	0.01718317	0.2802467	0.7928752	0.2638245	0.07489251	0.07489251	grey
0.4432207	0.4962121	0.4896683	0.8060443	0.9901296	0.5223241	0.473064	0.473064	grey
0.8206029	0.6726283	0.6361243	0.6485459	0.8748497	0.9505841	0.0015987	0.0015987	grey
0.2786188	0.03646722	0.7390682	0.3043723	0.671678	0.3797387	6.31E-05	6.31E-05	blue
0.5920198	0.2798349	0.1605225	0.081688	0.3643193	0.7603364	0.3020152	0.3020152	grey
0.06482751	0.3502166	0.00027294	0.0013658	0.6667909	0.00744273	0.0002569	0.0002569	grey
0.4722027	0.00269656	0.6911312	0.8534799	0.5474396	0.7798901	9.85E-09	9.85E-09	grey
0.9202489	0.03599123	0.107362	0.7326778	0.9520394	0.346292	0.0031775	0.0031775	grey
0.2291421	0.9495415	0.2771592	0.4136028	0.4890786	0.8502848	0.618723	0.618723	orange
0.8408585	0.00526938	0.0197034	0.2805215	0.8769145	0.8507438	2.29E-17	2.29E-17	yellow
0.0398296	0.8339975	0.7621168	0.9748294	0.9964338	0.2269318	0.676991	0.676991	red
0.01594369	0.2851662	0.1102421	0.4462191	0.4696181	0.3946166	1.91E-05	1.91E-05	blue
0.9814928	0.01393425	1.45E-05	0.2216344	0.9354397	0.02817418	0.01568027	0.01568027	turquoise
0.09205115	0.7601064	0.3559153	0.7509201	0.5112977	0.4651124	0.5348671	0.5348671	turquoise
0.8559215	0.00759159	0.5335309	0.8914495	0.03893985	0.8692679	0.03488848	0.03488848	grey
0.6748692	0.4999549	0.6300907	0.5759671	0.698514	0.8774882	7.61E-28	7.61E-28	yellow
0.2377861	0.5534494	0.00064758	0.7684732	0.9237489	0.06495568	0.0072952	0.0072952	tan
0.05010474	0.5356872	0.4324844	0.309848	0.369398	0.579752	0.00469024	0.00469024	grey
0.02399421	0.1015946	0.1418692	0.7963643	0.3259191	0.3822175	0.834234	0.834234	grey
0.4550835	0.8074035	0.02502676	0.5197648	0.7582841	0.4135085	6.29E-12	6.29E-12	magenta
0.5758381	0.2504256	0.2752751	0.4085596	0.4766128	0.01754308	0.02710485	0.02710485	turquoise
0.1319152	0.7667302	0.6908447	0.8632113	0.1955684	0.8152007	0.9267429	0.9267429	grey
0.2402107	0.9872502	0.3154394	0.1296943	0.4111938	0.1989606	0.4752394	0.4752394	greenyellow
0.5936113	0.2261554	0.5741655	0.8452887	0.4914969	0.7171545	0.1151447	0.1151447	grey
0.2169189	0.8194011	0.3420557	0.3563173	0.8857515	0.1810805	0.2174252	0.2174252	turquoise
0.7095871	0.1561754	0.449012	0.8870661	0.434365	0.1297435	0.00030176	0.00030176	blue
0.7064924	0.2707546	0.1772729	0.2627974	0.8934495	0.6920643	0.1277924	0.1277924	turquoise
0.8886407	0.4091438	0.05987876	0.4081976	0.7247632	0.5436948	0.00036465	0.00036465	green
0.2862953	0.01696796	0.007256	0.1816747	0.9686935	0.177271	3.78E-14	3.78E-14	brown
0.3298187	0.3991439	0.00281994	0.1762138	0.5344091	0.02950227	0.06541562	0.06541562	turquoise
0.6591079	0.2070031	0.00467027	0.3494446	0.6950296	0.1485146	0.4189118	0.4189118	turquoise
0.7198351	0.6308469	2.68E-05	0.1034859	0.7359424	0.1487326	4.78E-05	4.78E-05	turquoise
0.8749518	0.8697717	0.1969009	0.9434495	0.4924503	0.08825188	0.2401067	0.2401067	red
0.4624702	0.3068107	0.5715998	0.0661687	0.7628724	0.2957866	0.4388536	0.4388536	grey
0.1209547	0.01446989	0.04123538	0.8202179	0.1081175	0.6040658	3.13E-13	3.13E-13	blue
0.4452051	0.87757	0.6839607	0.389287	0.08756264	0.2200929	0.4485031	0.4485031	grey
0.5650998	0.1723101	0.2856673	0.6775834	0.6263252	0.8860459	1.47E-25	1.47E-25	yellow
0.8527457	0.07386417	0.7763082	0.3133644	0.6306086	0.05966401	1.25E-05	1.25E-05	grey
0.0155428	0.4230033	0.8747678	0.3581323	0.3233817	0.6746184	0.6780148	0.6780148	grey
0.8430899	0.9374654	0.1492731	0.2566073	0.5999465	0.00143112	0.00699431	0.00699431	turquoise
0.4425703	0.0588985	4.24E-05	0.0373718	0.937323	0.4840717	3.99E-06	3.99E-06	magenta
0.1086941	0.0217685	0.7220016	0.5283475	0.895862	0.9337297	0.00121321	0.00121321	blue
0.01723687	0.2828102	0.00763019	0.45679	0.0700306	0.1965941	0.3327395	0.3327395	grey
0.934273	8.63E-05	0.08567598	0.1517886	0.8359602	0.7307602	9.44E-15	9.44E-15	yellow

0.8871159	0.7010008	0.5141715	0.3530326	0.6724027	0.1731186	0.00893032	0.00893032	grey
0.2489601	0.3106498	0.00093179	0.0696891	0.1441469	0.2703219	1.32E-06	1.32E-06	grey
0.3771244	0.5913664	0.1779789	0.4985104	0.5883999	0.05785233	0.3791713	0.3791713	turquoise
0.246353	0.3884543	0.1577487	0.5928038	0.8319454	0.5558735	0.1584507	0.1584507	turquoise
0.6671398	0.9480277	0.2481617	0.0749797	0.9854965	0.6103625	0.02563652	0.02563652	turquoise
0.3055771	0.3792137	0.4730452	0.8418757	0.8803101	0.4313697	0.1900206	0.1900206	grey
0.7141415	0.1892077	0.03104003	0.8942468	0.09632834	0.05836796	5.18E-06	5.18E-06	blue
0.2697507	0.1028185	0.00222661	0.1943	0.7138284	0.2902482	0.00014816	0.00014816	green
0.8900811	0.00560522	0.073743	0.5286728	0.08472222	0.2909588	0.0026862	0.0026862	blue
0.3051814	0.9698607	0.2481908	0.5213388	0.3206948	0.3569428	0.1180121	0.1180121	pink
0.6242015	0.9194832	0.1417505	0.4712428	0.8539856	0.5146963	0.6398323	0.6398323	turquoise
0.8203298	0.6680832	0.01366304	0.4560078	0.4389955	0.09105	0.5277384	0.5277384	turquoise
0.3234733	0.2799141	0.9913533	0.849163	0.8097717	0.481722	0.4660456	0.4660456	black
0.2521383	0.00648887	0.01067944	0.1380012	0.4214356	0.7180459	2.08E-09	2.08E-09	green
0.8062456	0.3614279	0.2086426	0.2341509	0.570824	0.213787	0.1740406	0.1740406	lightcyan
0.4631962	0.7338412	0.1600043	0.1401877	0.3711947	0.6749234	0.06369225	0.06369225	grey
0.9810032	0.8602848	0.818283	0.1936585	0.8213543	0.6549245	0.01403223	0.01403223	grey
0.8002974	0.4116498	0.1902406	0.5422481	0.966139	0.06560403	0.8451796	0.8451796	turquoise
0.5397905	0.5780643	0.7290773	0.3962129	0.237699	0.2363604	0.5201234	0.5201234	grey
0.5081678	0.5318094	0.01297	0.5917955	0.8319564	0.3682696	0.5539713	0.5539713	turquoise
0.3805574	0.2282493	0.8538025	0.8062922	0.7425386	0.03957486	3.86E-05	3.86E-05	grey
0.3436278	0.6971238	0.02856988	0.1053875	0.1551265	0.1699961	0.00472881	0.00472881	grey
0.5890457	0.4338208	0.8815248	0.0486193	0.6335282	0.5133618	0.02031114	0.02031114	grey
0.4110332	0.8485183	0.1518636	0.1922987	0.8525457	0.2932256	0.2980536	0.2980536	turquoise
0.5455906	0.9210721	0.9944083	0.0836605	0.855039	0.4185663	0.4257711	0.4257711	green
0.9331889	0.2586216	0.5001455	0.7469433	0.8946478	0.8053639	0.00386983	0.00386983	grey
0.4313626	0.4340885	0.1635309	0.7124496	0.6017095	0.8772704	0.07413665	0.07413665	darkturquoise
0.1611636	0.3646649	0.08705829	0.4067267	0.8521802	0.2116058	0.00019842	0.00019842	turquoise
0.4646861	0.1217428	0.9514761	0.3849025	0.9578897	0.3098342	6.14E-10	6.14E-10	yellow
0.5603319	0.08228443	0.3929171	0.8255306	0.8538926	0.7818726	0.00045403	0.00045403	pink
0.4211789	0.8191256	0.9652929	0.3693143	0.9973854	0.6920707	0.4688811	0.4688811	grey
0.5614688	0.8239398	0.07594342	0.8594994	0.4899678	0.1160717	0.02909252	0.02909252	grey
0.7407962	0.9678726	0.6308057	0.7540336	0.8748561	0.8663898	0.00042254	0.00042254	grey
0.9375276	0.4835115	0.03562506	0.3824367	0.5699404	0.9526481	0.3241851	0.3241851	turquoise
0.3480341	0.6556165	0.01378152	0.1544974	0.9020503	0.02031622	0.00226131	0.00226131	blue
0.5021455	0.8161133	0.1407328	0.5667182	0.2315261	0.4835608	0.5438509	0.5438509	grey
0.4827105	0.8161169	0.4374302	0.1094116	0.7869498	0.2274316	0.01001023	0.01001023	grey
0.3801766	0.5097471	0.00073654	0.2782353	0.8056054	0.0792796	0.9710209	0.9710209	turquoise
0.4182502	0.1426746	0.2707001	0.2458841	0.5603252	0.03310624	0.03346178	0.03346178	turquoise
0.266406	0.9632699	0.2933465	0.307262	0.9749749	0.01231628	0.4424702	0.4424702	turquoise
0.2134768	0.7597261	0.3503136	0.7308572	0.786144	0.9781142	0.4400099	0.4400099	turquoise
0.5884123	0.08242043	0.2121765	0.2076604	0.227337	0.3833842	0.00147823	0.00147823	green
0.8891911	0.02739358	0.8876297	0.0749754	0.8610558	0.5969412	0.00377027	0.00377027	blue
0.9225746	0.5149913	0.7235683	0.1768233	0.5477423	0.2634013	0.4142021	0.4142021	grey
0.1666112	0.9545568	0.1970104	0.3823159	0.6367656	0.5678162	0.9063714	0.9063714	grey
0.4717018	0.9614977	0.0352202	0.0265495	0.6861954	0.2011661	0.1157682	0.1157682	turquoise
0.54986	0.1850885	0.04139033	0.2722846	0.5997815	0.1706947	0.00016409	0.00016409	turquoise
0.850371	0.00129465	0.0323683	0.2261071	0.8737113	0.3033276	1.69E-12	1.69E-12	brown
0.05907794	0.1197259	0.8849975	0.9473124	0.7412464	0.541917	1.92E-08	1.92E-08	blue
0.1597211	0.6114262	0.03797752	0.5885784	0.5316658	0.09676361	0.0260629	0.0260629	turquoise
0.7575619	0.4640157	0.08972308	0.2400323	0.5687014	0.8177515	0.5463338	0.5463338	grey
0.3773132	0.8729983	0.5364492	0.183862	0.9084257	0.2374256	0.3944029	0.3944029	orange
0.1617804	0.03512453	0.07964237	0.6719946	0.569907	0.2989263	0.00028428	0.00028428	turquoise
0.8385931	0.9167282	0.7018972	0.6263157	0.6789817	0.4026369	0.09567174	0.09567174	grey
0.5678331	0.3942531	0.09181078	0.4026912	0.4954822	0.06531064	0.00012537	0.00012537	turquoise
0.4740255	0.2844137	0.00192559	0.0953149	0.6472495	0.158887	0.00701566	0.00701566	brown
0.2093664	0.9274883	0.5740737	0.9292259	0.660009	0.8318406	0.9834246	0.9834246	red
0.01876636	0.2412794	0.1752836	0.1970972	0.901999	0.2308742	0.00193943	0.00193943	turquoise
0.1649653	0.00719475	0.8642687	0.7881924	0.1713384	0.3358579	0.04305273	0.04305273	grey
0.1836021	0.0506579	0.1837841	0.7370976	0.9345581	0.7476844	0.09292333	0.09292333	turquoise
0.1124004	0.03543956	0.1227138	0.7916771	0.4842584	0.6926049	0.00101918	0.00101918	blue

0.6428948	0.7044895	0.7399032	0.388073	0.6082687	0.1251172	0.01789706	0.01789706	blue
0.5023917	0.5021375	0.6268342	0.0273903	0.3159042	0.210207	0.00014399	0.00014399	turquoise
0.7438217	0.03087449	0.8807571	0.9450534	0.604427	0.6618995	0.00013786	0.00013786	brown
0.9508543	0.9341659	0.2144781	0.3418951	0.7793162	0.03424261	0.0736399	0.0736399	turquoise
0.06126796	0.2872708	0.955241	0.435263	0.5464025	0.1319739	2.83E-07	2.83E-07	turquoise
0.5700282	0.3236864	0.7722837	0.8824888	0.1161085	0.2429282	0.01048815	0.01048815	grey
0.6925691	0.5283986	0.04659964	0.1393032	0.6100465	0.7161148	0.5221869	0.5221869	turquoise
0.1526315	0.8798546	0.5775869	0.13562	0.5464988	0.2324007	0.09868579	0.09868579	darkgreen
0.2603095	0.3177988	0.0344017	0.2362874	0.7081458	0.07332553	0.422181	0.422181	turquoise
0.908115	0.3034127	0.293898	0.8837321	0.3983008	0.286621	0.00063772	0.00063772	grey
1.52E-09	0.1860565	0.1865615	0.4163548	0.5069499	0.4408127	0.191247	0.191247	turquoise
0.07596193	0.5861898	0.01906108	0.4808524	0.1502984	0.8462027	0.1765874	0.1765874	turquoise
0.02179499	0.8679311	0.03743631	0.5734645	0.6337948	0.01520118	0.0284945	0.0284945	turquoise
0.4617736	0.9866915	0.307694	0.250933	0.8714741	0.1222166	0.09442858	0.09442858	lightgreen
0.5066824	0.0040633	0.7264358	0.2720538	0.8611903	0.3511212	0.03772411	0.03772411	turquoise
0.1104085	0.1007995	0.9482631	0.7189106	0.5398992	0.2336635	5.72E-06	5.72E-06	blue
0.1091153	0.1585557	0.1047485	0.8538428	0.1837248	0.4114799	8.88E-07	8.88E-07	blue
0.02400013	0.8894399	0.466354	0.763554	0.6458761	0.4100746	0.0049348	0.0049348	turquoise
0.6725694	0.2181547	0.4927035	0.1588374	0.3604968	0.5229163	0.8513632	0.8513632	darkturquoise
0.9358431	0.3343777	0.00060556	0.1671754	0.7957267	0.2071738	0.3369688	0.3369688	grey
0.8252126	0.480165	0.0033648	0.0366752	0.6670699	0.1148373	0.08965677	0.08965677	turquoise
0.0789133	0.02235767	0.3817966	0.0574447	0.5210197	0.9327047	0.00904064	0.00904064	grey
0.8006742	0.03096374	0.08307475	0.2017293	0.6054989	0.1321002	1.95E-05	1.95E-05	blue
0.5228341	0.7752097	0.4948288	0.1096233	0.4247156	0.2125335	0.00229494	0.00229494	blue
0.2287498	0.620264	0.2448537	0.3134812	0.04439324	0.3739354	0.5616082	0.5616082	grey
0.9999775	0.1922995	0.9879171	0.9337195	0.3025252	0.3629574	0.3741777	0.3741777	turquoise
0.6246354	0.6863026	0.00480362	0.4186651	0.596989	0.6844181	4.89E-07	4.89E-07	magenta
0.6671648	0.00368619	0.02255276	0.6685084	0.7586851	0.5339239	4.97E-13	4.97E-13	brown
0.6309921	0.1137446	0.00540411	0.2783183	0.8689448	0.1663923	0.9952511	0.9952511	turquoise
0.4141834	0.8461482	0.8028447	0.0457083	0.6829697	0.1166784	0.00023478	0.00023478	grey
0.3174059	0.5131785	0.249877	0.0728402	0.7820548	0.2186144	0.8992791	0.8992791	grey
0.1785152	0.9719538	0.05541739	0.9629473	0.4372709	0.8612822	0.3939712	0.3939712	grey
0.16074	0.8872357	0.8917959	0.8346473	0.9102823	0.4495573	0.584877	0.584877	red
0.8243913	0.1992814	0.3366012	0.26807	0.2481026	0.7455603	0.6594871	0.6594871	blue
0.6090791	0.4960978	0.2424699	0.1234916	0.9733498	0.00813404	0.619256	0.619256	grey
0.9595785	0.1608326	0.3372675	0.1745586	0.4102939	0.4627794	0.9898255	0.9898255	black
0.0648976	0.4279062	0.00488052	0.231945	0.8319268	0.1656076	0.00038295	0.00038295	grey
0.8929621	0.514189	0.02359423	0.3380377	0.6222593	0.09811186	0.4163328	0.4163328	turquoise
0.2503865	0.9516349	0.00548329	0.0963561	0.7719762	0.6058691	2.32E-05	2.32E-05	magenta
0.7100644	0.2203786	0.06449602	0.5822925	0.3081139	0.7108614	0.1074734	0.1074734	grey
0.5908493	0.611059	0.00085445	0.0573911	0.708912	0.05584552	0.03616926	0.03616926	turquoise
0.8417443	0.2145034	0.02872402	0.0043386	0.2135194	0.02335676	0.05476879	0.05476879	lightcyan
0.8831119	0.5164154	0.9948516	0.8426881	0.9450973	0.3031092	0.00487899	0.00487899	brown
0.1291082	0.1429937	0.4039702	0.968713	0.7579953	0.1039465	2.19E-06	2.19E-06	blue
0.00846987	0.4527999	0.535201	0.4964203	0.5613806	0.4788484	0.5925734	0.5925734	turquoise
0.8395797	0.8502214	0.01547262	0.1240797	0.4578229	0.3102627	0.04610453	0.04610453	pink
0.1974167	0.02461928	0.02446926	0.7723372	0.6653385	0.2317718	1.18E-07	1.18E-07	blue
0.6902949	0.7835478	0.7256718	0.4174753	0.8071341	0.462488	0.0005775	0.0005775	brown
0.1673705	0.07987487	0.00790121	0.4256499	0.04517051	0.1228939	0.00588569	0.00588569	yellow
0.7275553	0.6145622	0.0156071	0.1432182	0.6601565	0.2302165	0.03048691	0.03048691	turquoise
0.4453349	0.13012	0.137869	0.2565888	0.3989582	0.544185	0.04906418	0.04906418	brown
0.9221458	0.1055787	0.02057532	0.5954024	0.2482697	0.06803209	0.01773346	0.01773346	blue
0.3682143	0.4204512	0.8881756	0.5697495	0.777023	0.7031647	0.7249992	0.7249992	grey
0.1098096	0.03349743	0.09576081	0.0859226	0.0608956	0.02817592	0.01703804	0.01703804	turquoise
0.8380331	0.2241917	0.5243069	0.2894056	0.6281517	0.4330852	0.6808157	0.6808157	grey
0.7442311	0.7122369	0.8000102	0.4264528	0.8739342	0.8824963	0.05616494	0.05616494	purple
0.2766327	0.3506901	0.9022221	0.0553551	0.5448563	0.02978146	0.01219967	0.01219967	blue
0.1805683	0.3782432	0.5268549	0.0736174	0.9240815	0.3088025	0.04912463	0.04912463	turquoise
0.05810367	0.2838958	0.2312581	0.0872503	0.3405307	0.8631579	0.2182755	0.2182755	turquoise
0.7326863	0.9151841	0.07922466	0.4642527	0.2838616	0.665819	0.1630913	0.1630913	turquoise
0.1784574	0.5113861	0.8813055	0.3078201	0.7464265	0.2379588	2.46E-07	2.46E-07	cyan

0.06341765	0.3622011	0.1279357	0.1775267	0.8820447	0.01234793	0.02716773	0.02716773	turquoise
0.825298	0.04326726	0.02374152	0.6361288	0.3715375	0.1167315	4.74E-05	4.74E-05	blue
0.4537376	0.00102099	0.1049162	0.2364374	0.7908014	0.9007733	0.00320667	0.00320667	grey
0.3266501	0.09447883	0.2132787	0.7704319	0.3616637	0.8580379	0.1442809	0.1442809	blue
0.9896013	0.9593856	0.6023471	0.5483791	0.6755842	0.7810872	0.4850731	0.4850731	blue
0.2843088	0.3995157	0.03059391	0.4749862	0.8450095	0.4114774	1.73E-07	1.73E-07	turquoise
0.6263196	0.01024787	0.03043873	0.0998886	0.451302	0.5991049	2.11E-11	2.11E-11	brown
0.8976248	0.00086581	0.02126106	0.1381665	0.7406317	0.5627838	4.75E-15	4.75E-15	brown
0.8646749	0.990766	0.687863	0.4409667	0.06684707	0.8986367	0.00024244	0.00024244	grey
0.6712018	0.05485541	0.05534523	0.0941305	0.2909308	0.494383	1.12E-09	1.12E-09	grey
0.03401395	0.3772867	0.7478136	0.5218474	0.8982559	0.6314378	0.07626151	0.07626151	turquoise
0.4307296	0.09045052	0.02298543	0.1322392	0.7187485	0.1195652	0.3282244	0.3282244	turquoise
0.1951977	0.250393	0.8931547	0.8932399	0.6407353	0.4929087	0.00919013	0.00919013	grey
0.2637164	0.720828	0.2990087	0.3279541	0.7003834	0.1553616	0.132494	0.132494	turquoise
0.2659435	0.9831879	0.8203837	0.6768561	0.4826813	0.05651429	0.6581802	0.6581802	skyblue
0.6584466	0.7467187	0.00085681	0.1150331	0.4067351	0.06316447	0.0130626	0.0130626	green
0.5439907	0.9193157	0.2519363	0.782784	0.7441721	0.1805347	0.02997303	0.02997303	blue
0.2231836	0.1684319	0.57646	0.6917423	0.3630477	0.8213802	0.2351431	0.2351431	salmon
0.934019	0.5945403	0.00049317	0.1147189	0.6092361	0.5162486	2.90E-05	2.90E-05	magenta
0.204976	0.8901903	0.00699536	0.0449578	0.9840919	0.00899785	0.6274713	0.6274713	turquoise
0.5951359	0.03285329	0.9052787	0.4876929	0.7794632	0.3007611	0.00164526	0.00164526	orange
0.2526618	0.3819536	0.01320795	0.3048179	0.4327068	0.4383196	0.4680732	0.4680732	grey
0.1060593	0.1162281	0.700858	0.5033874	0.351034	0.510406	0.105177	0.105177	grey
0.08171245	0.3874924	0.5543271	0.3526104	0.2207068	0.6574772	0.00022717	0.00022717	grey
0.2604896	0.314436	0.00022851	0.2927051	0.8248942	0.1029607	0.00729861	0.00729861	turquoise
0.3391694	0.01704594	0.7873562	0.5772173	0.3391629	0.4985738	0.1471698	0.1471698	turquoise
0.797464	0.8382492	0.8342898	0.7902819	0.4856617	0.2314998	0.1645778	0.1645778	blue
0.2700262	0.3362536	0.06090292	0.4394916	0.173492	0.2233495	0.1516578	0.1516578	grey
0.4246251	0.8658962	0.6705175	0.4264398	0.941464	0.2121548	0.00189574	0.00189574	grey
0.08879474	0.2670154	0.4354031	0.4764533	0.5468786	0.3605433	0.5934607	0.5934607	turquoise
0.1870681	0.8717154	0.8324037	0.7992783	0.2243438	0.5038139	0.6673832	0.6673832	grey
0.6274607	0.1967185	0.00042718	0.0252989	0.6608314	0.3388068	1.45E-31	1.45E-31	yellow
0.4268268	0.5695319	0.5554019	0.4035956	0.3740897	0.4764611	0.02161652	0.02161652	grey
0.5448785	0.7311944	0.02576645	0.9596959	0.4825981	0.1076417	0.646862	0.646862	turquoise
0.1502906	0.5404169	0.8564491	0.9331869	0.5042352	0.5613879	0.00033507	0.00033507	grey60
0.9501408	0.2993507	0.845624	0.8303881	0.6918734	0.4052248	0.7724361	0.7724361	grey
0.8940352	0.9355712	0.00280965	0.1030609	0.3862315	0.09022932	0.00017865	0.00017865	grey
0.112217	0.3277672	0.7050697	0.007987	0.9481675	0.6325502	0.00096356	0.00096356	blue
0.3743278	0.4775398	0.02154208	0.3258671	0.4149522	0.05022454	0.1687103	0.1687103	turquoise
0.0497553	0.6669744	0.5426575	0.0983298	0.9647696	0.03632048	0.01539181	0.01539181	grey
0.5119784	0.4582383	0.3099793	0.3499675	0.5290204	0.08234025	0.7188843	0.7188843	turquoise
0.4774411	0.6443176	0.3884312	0.1428035	0.1059226	0.4571393	0.1710674	0.1710674	blue
0.06999239	0.00527796	0.6606423	0.693274	0.7404355	0.5866652	2.26E-11	2.26E-11	blue
0.2629751	0.1460922	0.07875285	0.6310347	0.335039	0.2640013	0.8708232	0.8708232	blue
0.9386338	0.4076364	0.2075934	0.2958617	0.7454576	0.9440389	0.00011704	0.00011704	blue
0.4856758	0.00693642	0.3007557	0.6079468	0.1774824	0.3787965	0.00156441	0.00156441	green
0.4385329	0.8970239	0.6417351	0.4965459	0.7892592	0.8147568	0.9693114	0.9693114	grey
0.8650017	0.2826307	0.8020333	0.683279	0.1123852	0.5509246	0.4681754	0.4681754	grey
0.4813669	0.2345816	0.07201407	0.2506533	0.9923209	0.6918437	0.01234312	0.01234312	turquoise
0.7981678	0.00305182	0.0013549	0.1707916	0.371579	0.8004199	1.17E-16	1.17E-16	brown
0.5170451	0.7856222	0.4075732	0.7798473	0.8679013	0.4768884	0.2242824	0.2242824	blue
0.4084247	0.1081109	0.8668121	0.8477017	0.8417563	0.6917601	0.1613326	0.1613326	blue
0.3882212	0.5520607	0.00497206	0.2969402	0.4233547	0.2649793	0.602633	0.602633	blue
0.9022182	0.3080944	0.2636011	0.6408508	0.435603	0.6576929	0.1186042	0.1186042	turquoise
0.2389605	0.04933564	0.5576991	0.8141589	0.5215013	0.6666411	0.6578154	0.6578154	grey
0.9608114	0.1822871	0.5125746	0.7762119	0.2258223	0.4313942	0.3686452	0.3686452	grey
0.03846598	0.00094738	0.5360209	0.5312247	0.4225054	0.7310015	0.00015231	0.00015231	grey
0.114137	0.03891127	0.2201084	0.1434824	0.2498914	0.05216951	3.16E-07	3.16E-07	blue
0.7889319	0.00623413	0.148745	0.8687236	0.4924031	0.9754621	7.45E-15	7.45E-15	brown
0.6360849	0.8202439	0.03819734	0.0160566	0.7709347	0.7684818	0.9940276	0.9940276	grey
0.8916862	0.7790804	0.593064	0.81939	0.6095119	0.5065254	0.00013747	0.00013747	grey

0.9937284	0.9264153	0.2150776	0.4729264	0.6883282	0.04465258	0.00884982	0.00884982	blue
0.1536772	0.3897419	0.05364422	0.2747875	0.6850172	0.1565698	0.2934042	0.2934042	grey
0.5132898	0.6497476	0.9410786	0.8818595	0.2960274	0.6293536	0.00017633	0.00017633	blue
0.6644497	0.2570972	0.8106508	0.6465242	0.8070732	0.8218466	0.00574453	0.00574453	brown
0.4732026	0.0029847	0.3564458	0.1821118	0.8882084	0.1828704	0.00296223	0.00296223	blue
0.8042549	0.1028432	0.04895761	0.167981	0.4658892	0.373545	2.67E-06	2.67E-06	green
0.06283417	0.0589333	0.2952529	0.7944085	0.8153503	0.224241	8.24E-07	8.24E-07	blue
0.7222836	0.03044224	0.1716166	0.7155061	0.2063444	0.5862931	1.40E-19	1.40E-19	yellow
0.6841355	0.07756077	0.5525163	0.8906672	0.7349121	0.3002358	0.4714308	0.4714308	grey
0.08376979	0.4623577	0.2146292	0.1654477	0.5865555	0.1202942	0.00600175	0.00600175	white
0.2136798	0.00739428	0.1625499	0.7785439	0.7568867	0.30822	2.75E-09	2.75E-09	brown
0.4778636	0.7261541	0.01479565	0.6086909	0.9635788	0.1921178	0.00116161	0.00116161	turquoise
0.2762675	0.6435001	0.08789535	0.9085824	0.3996701	0.6001822	0.2289376	0.2289376	turquoise
0.8988569	0.1312972	0.2070725	0.0130972	0.3150843	0.1627174	0.00190962	0.00190962	turquoise
0.06637123	0.2857918	0.6754111	0.3489667	0.7020217	0.7861345	0.0006246	0.0006246	royalblue
0.09520153	0.544671	0.5860546	0.5351558	0.1371787	0.263604	0.2258866	0.2258866	turquoise
0.07966217	0.995098	0.3911922	0.3594895	0.6898143	0.8673334	0.00563057	0.00563057	lightgreen
0.1633212	0.00323883	0.3491243	0.7912576	0.849142	0.9880517	8.33E-13	8.33E-13	brown
0.4361729	0.07637545	0.05823279	0.5364448	0.3400833	0.05838903	0.00021365	0.00021365	turquoise
0.4007008	0.7751746	0.1971251	0.2954967	0.7046911	0.8170577	0.2912685	0.2912685	grey
0.7176229	0.00495226	0.03188751	0.1109468	0.2824689	0.7931585	2.65E-14	2.65E-14	brown
0.94679	0.08773947	0.00323376	0.7884995	0.6477403	0.8543617	7.07E-25	7.07E-25	yellow
0.2120734	0.07962457	0.3931209	0.706247	0.7781801	0.649439	0.01841472	0.01841472	grey
0.3868138	0.3266204	0.2850874	0.1522646	0.2781771	0.1142594	1.19E-05	1.19E-05	turquoise
0.6812618	0.208077	0.7004945	0.1040972	0.6923524	0.6601808	0.2000308	0.2000308	blue
0.09958504	0.7067849	0.4935491	0.4572808	0.3283052	0.2352222	0.00027668	0.00027668	blue
0.3786608	0.5555431	0.0024555	0.0669308	0.8494814	0.02488457	0.2268517	0.2268517	turquoise
0.6247201	0.5203579	0.00707221	0.90844	0.8770587	0.948914	0.5551755	0.5551755	turquoise
0.8925046	0.3969453	0.1263435	0.0693977	0.5296678	0.1771872	0.1750494	0.1750494	turquoise
0.00562964	0.2082001	0.03296594	0.524224	0.6277134	0.7670728	0.5668507	0.5668507	blue
0.1706716	0.1858885	0.7418707	0.1057576	0.8221263	0.1383815	0.2165163	0.2165163	grey
0.03720106	0.00033482	0.7739309	0.353041	0.8353643	0.3798812	0.04726687	0.04726687	blue
0.7043303	0.00378279	0.2182733	0.4774073	0.4772196	0.238462	0.00869211	0.00869211	grey
0.4424274	0.7881557	0.682458	0.3140876	0.9929432	0.1577236	0.1371242	0.1371242	blue
0.3800267	0.5296886	0.4447754	0.5341368	0.9942984	0.537576	0.03076119	0.03076119	turquoise
0.6867725	0.7052454	0.3836827	0.5785553	0.1747366	0.4537761	6.92E-06	6.92E-06	grey
0.1207828	0.8765271	0.05362528	0.7813754	0.4952126	0.2780125	0.0526566	0.0526566	grey
0.3499187	0.4095125	0.1348891	0.3927601	0.4195025	0.1646421	0.9343143	0.9343143	turquoise
0.2273459	0.5178224	0.151275	0.5006088	0.5543183	0.922341	0.9160118	0.9160118	grey
0.1463879	0.00953687	0.8153189	0.8005995	0.7178625	0.8589558	0.4623939	0.4623939	grey
0.6410187	0.5831214	0.4063054	0.441941	0.9279458	0.04354929	0.715037	0.715037	purple
0.1889274	0.1708475	0.4418589	0.4084639	0.3639955	0.6949215	6.97E-05	6.97E-05	yellow
0.6454745	0.08446333	0.00858382	0.0799659	0.7279757	0.1647173	3.47E-18	3.47E-18	brown
0.4817522	0.1175628	0.2210139	0.3373286	0.876837	0.1341615	1.51E-06	1.51E-06	grey
0.4280192	0.1328541	0.07650063	0.1239388	0.8968802	0.457087	0.00218554	0.00218554	brown
0.8935838	0.5209195	0.2148642	0.8355426	0.387879	0.8126674	0.0003426	0.0003426	grey
0.2318323	0.828191	0.7153753	0.6400908	0.8919579	0.5213559	0.0599957	0.0599957	turquoise
0.02543311	0.2335025	0.4086222	0.1329404	0.7570527	0.9730162	0.5186504	0.5186504	grey
0.2023536	0.9006813	0.3022346	0.3718737	0.02655069	0.9785793	0.6802337	0.6802337	grey
0.3760158	0.07171583	0.5034268	0.1122936	0.8045365	0.09400228	0.07390364	0.07390364	grey
0.3102888	0.6642493	0.1569886	0.4384638	0.5859527	0.04125565	7.14E-05	7.14E-05	blue
0.4310398	0.9911198	0.1594858	0.5126341	0.7920197	0.6874201	0.4932263	0.4932263	grey
0.6712693	0.00546336	0.04237715	0.048995	0.5061168	0.02933001	0.04167198	0.04167198	grey
0.7584896	0.4004219	0.9349513	0.9343389	0.04406493	0.7361052	0.5177944	0.5177944	pink
0.1285617	0.06042418	0.7903667	0.8906017	0.437169	0.8452369	0.06644924	0.06644924	blue
0.4440787	0.3345897	0.9253182	0.5893243	0.1822076	0.537511	0.08472515	0.08472515	grey
0.2463224	0.8104759	0.4107231	0.7493104	0.9562387	0.7523123	0.3129856	0.3129856	grey
0.3789362	0.3005782	0.01556505	0.2412196	0.6703814	0.05464615	0.5449954	0.5449954	green
0.9552528	0.05223207	0.4093962	0.6075132	0.7608744	0.9668935	0.1906358	0.1906358	turquoise
0.01128442	0.5671325	0.02381807	0.0604743	0.2653652	0.2627596	0.9448872	0.9448872	lightcyan
0.8861162	0.3430191	0.00235657	0.3920362	0.7390861	0.03154456	3.58E-05	3.58E-05	turquoise

0.5539169	0.7666744	0.1975752	0.3026599	0.03706348	0.2132942	0.06062742	0.06062742	turquoise
0.5555207	0.718159	0.1666837	0.9633423	0.5873552	0.7815301	0.5201138	0.5201138	royalblue
0.7866614	0.2115191	0.233242	0.6692069	0.932758	0.5727625	0.2360888	0.2360888	pink
0.1001225	0.7860791	0.03866413	0.1532646	0.2971918	0.9009558	0.01464817	0.01464817	black
0.5061416	0.7726734	0.00183487	0.6026975	0.5060967	0.08207226	0.02164555	0.02164555	blue
0.1341526	0.0694844	0.4082029	0.6118802	0.403596	0.3553598	2.58E-05	2.58E-05	darkgrey
0.1251631	0.1888497	0.4326687	0.4072119	0.5145752	0.984479	0.3552082	0.3552082	blue
0.2088705	0.1006921	0.08202962	0.5906264	0.1398318	0.3260057	0.00879515	0.00879515	turquoise
0.3672214	0.3337997	0.9373284	0.4546518	0.3742915	0.3044664	0.2486127	0.2486127	grey
0.8564344	0.07585902	0.3002169	0.1936522	0.4542299	0.2034381	0.08986657	0.08986657	grey
0.9395404	0.518176	0.5782845	0.9705209	0.9099218	0.511694	0.00342711	0.00342711	blue
0.7132906	0.8975022	0.7595768	0.4663217	0.115121	0.969134	0.00063996	0.00063996	grey
0.6152782	0.2329976	0.00029791	0.0127003	0.6781222	0.1953224	0.9244241	0.9244241	grey
0.2576423	0.7230323	0.4983439	0.4040346	0.7203604	0.3421586	0.4569102	0.4569102	pink
0.6173623	0.02766705	0.0006084	0.0616647	0.2676387	0.231303	1.23E-20	1.23E-20	yellow
0.1518636	0.01520821	0.1788691	0.318098	0.5013088	0.03750115	3.82E-06	3.82E-06	blue
0.9050604	0.2262343	0.00733811	0.0982934	0.5760326	0.07436618	1.17E-06	1.17E-06	yellow
0.2809527	0.00573421	0.3573292	0.3661396	0.8333496	0.3937896	0.00016626	0.00016626	blue
0.3385462	0.5255781	0.00469649	0.5972957	0.814992	0.1920166	0.0846925	0.0846925	turquoise
0.6727115	0.5307204	0.2197228	0.9384861	0.7601872	0.2913293	8.67E-06	8.67E-06	blue
0.44858	0.258112	0.8906483	0.8715319	0.5625729	0.3954904	0.8756506	0.8756506	black
0.6483463	0.5987282	0.02335427	0.0712345	0.04124639	0.1902783	0.0036895	0.0036895	turquoise
0.06329115	0.3173871	0.7665477	0.2591384	0.8671347	0.9927807	0.2950291	0.2950291	lightcyan
0.2091082	0.1812149	0.4156238	0.3580544	0.6253649	0.703442	0.4690769	0.4690769	grey
0.3014246	0.4230592	0.03702455	0.1564638	0.9166455	0.806108	0.1873553	0.1873553	pink
0.6058019	0.1497879	0.03691553	0.2009434	0.3228606	0.1643795	3.94E-10	3.94E-10	yellow
0.1443059	0.2698683	0.6343343	0.3631432	0.7709581	0.06608609	5.69E-05	5.69E-05	darkorange
0.3907125	0.04706133	0.9992427	0.9436661	0.5031752	0.1033663	1.77E-05	1.77E-05	turquoise
0.1055682	0.02452988	0.234154	0.2849001	0.9858993	0.6199686	0.1372344	0.1372344	turquoise
0.1634208	0.1692412	0.1074713	0.5591678	0.7567009	0.06103518	5.97E-05	5.97E-05	turquoise
0.9745887	0.02303811	0.2375169	0.1174395	0.8642013	0.4186077	2.34E-10	2.34E-10	yellow
0.2802951	0.3418101	0.4108801	0.5393749	0.4726059	0.4025061	0.8878377	0.8878377	grey
0.7058251	0.05712707	0.85099	0.4960289	0.3007305	0.5984234	0.00027585	0.00027585	blue
0.8989174	0.07598789	0.00487877	0.08012	0.7453573	0.03493646	0.0050185	0.0050185	turquoise
0.2340686	0.03707706	0.1254719	0.4782375	0.8417383	0.3221553	0.09131935	0.09131935	blue
0.4942765	0.763211	0.00029214	0.2421141	0.6111538	0.09415138	0.5784614	0.5784614	turquoise
0.9497159	0.7765689	0.3788083	0.8283679	0.01247577	0.1182535	0.8313071	0.8313071	turquoise
0.2611886	0.2247617	0.00542477	0.0878998	0.3579191	0.1788359	0.9830086	0.9830086	turquoise
0.5732445	0.2321147	0.8200506	0.6596945	0.6815843	0.3464171	0.1807688	0.1807688	blue
0.3345665	0.556592	0.0160712	0.09212	0.4880666	0.01416419	0.00498217	0.00498217	turquoise
0.8220758	0.8073939	0.4876654	0.6903541	0.3602659	0.5157656	0.8284595	0.8284595	turquoise
0.4536738	0.0589385	0.03989327	0.9761988	0.2487604	0.9807689	8.77E-26	8.77E-26	brown
0.2982757	0.1697419	0.2204008	0.7000366	0.9560924	0.04435131	5.11E-07	5.11E-07	blue
0.02087281	0.7945547	0.0305676	0.2891152	0.670193	0.9674117	0.02188991	0.02188991	blue
0.06652424	0.107083	0.3372385	0.9693048	0.4652814	0.8615479	0.00813046	0.00813046	grey
0.3279756	0.02796185	0.2955509	0.473147	0.3214602	0.2963182	0.1654992	0.1654992	grey
0.1110167	0.753765	0.7785651	0.8176919	0.6119427	0.4989116	9.53E-07	9.53E-07	blue
0.9036211	0.1506594	0.04414161	0.3701307	0.2417867	0.357982	1.08E-22	1.08E-22	yellow
0.2412469	0.9028927	0.09827397	0.3325638	0.718384	0.1139678	0.07876232	0.07876232	turquoise
0.3173886	0.9466411	0.1095289	0.2691906	0.877848	0.5896383	0.00143012	0.00143012	blue
0.06361607	0.8887198	0.4142022	0.7459491	0.7006203	0.7142067	0.00057558	0.00057558	turquoise
0.5679442	0.7537191	0.6925334	0.764185	0.01876503	0.02430056	0.8088991	0.8088991	grey
0.2819083	0.08763709	0.1110225	0.4580021	0.1523299	0.4924775	0.00121763	0.00121763	grey
0.04132389	0.5468132	0.00262165	0.4564388	0.4955854	0.1953052	0.2019141	0.2019141	blue
0.04661189	0.1474815	0.7523668	0.8019833	0.2819075	0.851282	0.7235957	0.7235957	grey
0.3022065	0.4209402	0.6389563	0.9544127	0.8131407	0.385372	0.07628116	0.07628116	turquoise
0.7536318	0.01780576	0.5503647	0.587088	0.9933783	0.7430586	1.49E-07	1.49E-07	turquoise
0.01756335	0.0120004	0.818525	0.1715592	0.8519327	0.3225851	0.8591321	0.8591321	grey
0.979576	0.1829421	0.01661912	0.2494078	0.2593767	0.01463113	0.111647	0.111647	turquoise
0.2377726	0.5824516	0.7090274	0.6623192	0.1137356	0.2877577	0.2391305	0.2391305	grey
0.6029609	0.01115081	0.3672641	0.5933045	0.3064171	0.7740255	0.00547138	0.00547138	grey

0.2903633	0.8646258	0.4226014	0.5379597	0.7646411	0.8069082	1.35E-09	1.35E-09	yellow
0.1474292	0.7180418	0.83799	0.8158731	0.2658357	0.1996868	0.5452115	0.5452115	grey
0.3094697	0.1596558	0.2014491	0.4238549	0.4557352	0.5741362	2.07E-18	2.07E-18	yellow
0.4769212	0.4978573	0.00179175	0.0282232	0.5138832	0.00225449	0.8836736	0.8836736	turquoise
0.6455126	0.5105136	0.4858493	0.6943028	0.9894567	0.9095854	0.00963735	0.00963735	purple
0.332493	0.9582906	0.02923153	0.0147507	0.3798291	0.02153353	0.7527667	0.7527667	turquoise
0.9750449	0.1943262	0.3426695	0.910373	0.8953509	0.3059808	0.0021596	0.0021596	grey
0.4094989	0.5180981	0.00158976	0.1690698	0.5767479	0.20399	0.00610923	0.00610923	green
0.01850053	0.19691	0.3823778	0.3207535	0.6631175	0.4504831	0.00025511	0.00025511	blue
0.08956329	0.9113284	0.8450487	0.9506306	0.5670661	0.5691594	0.189582	0.189582	grey
0.07543752	0.1250971	0.00178553	0.0866705	0.02313213	0.00785668	0.9587746	0.9587746	grey
0.06895708	0.8958007	0.07388837	0.1004339	0.3517813	0.07285989	0.00247911	0.00247911	turquoise
0.4810053	0.9960389	0.9470271	0.9642103	0.9071042	0.8797577	0.0979861	0.0979861	grey
0.4424844	0.2543864	0.09983956	0.932432	0.5450716	0.7198966	0.00197726	0.00197726	brown
0.3550877	0.00262392	0.1646052	0.9962322	0.7955989	0.564977	9.40E-09	9.40E-09	brown
0.9706965	0.6142687	0.2726184	0.232151	0.6962978	0.3303803	5.05E-07	5.05E-07	salmon
0.2195281	0.2438856	0.1985754	0.3353681	0.4822884	0.175047	0.00155196	0.00155196	grey
0.08686356	0.3416286	0.322432	0.3938912	0.2778099	0.7232087	0.02356434	0.02356434	grey
0.8322298	0.4425733	0.00528335	0.3443051	0.5554775	0.09524142	0.3574962	0.3574962	turquoise
0.4649138	0.06702339	0.7621019	0.5031807	0.3210246	0.2192865	0.1177524	0.1177524	darkorange
0.6196659	0.4512675	0.0058909	0.5181585	0.9346447	0.08140153	0.3386064	0.3386064	blue
0.5132665	0.03558104	0.2323754	0.0382523	0.4151886	0.06615559	7.06E-16	7.06E-16	yellow
0.3331707	0.953284	9.93E-05	0.1498959	0.7044667	0.08036618	0.5550968	0.5550968	turquoise
0.4142698	0.4229303	0.07761356	0.7014623	0.1430831	0.8738726	0.00226178	0.00226178	grey
0.0842374	0.94486	0.523646	0.0345016	0.5895394	0.1845467	0.2253968	0.2253968	grey
0.8734472	0.9622215	0.00017969	0.0370733	0.4234535	0.02176492	0.04199991	0.04199991	turquoise
0.8771224	0.4894566	0.08786357	0.5795853	0.5290284	0.187506	7.61E-06	7.61E-06	magenta
0.7215133	0.3842185	0.0022183	0.7537241	0.4917733	0.162802	0.000159	0.000159	turquoise
0.02723557	0.05681774	0.944069	0.4024067	0.2948029	0.7599277	2.42E-09	2.42E-09	brown
0.5390969	0.7437743	0.4123689	0.7417602	0.9618446	0.3504385	0.03033336	0.03033336	turquoise
0.7492247	0.02360611	0.1161028	0.0792392	0.6532135	0.190925	0.00097611	0.00097611	grey
0.5581548	0.5399543	0.00461923	0.4177649	0.425574	0.1167485	0.9021544	0.9021544	grey
0.3381438	0.8694339	0.2138131	0.046618	0.2691402	0.02468302	0.3393948	0.3393948	grey
0.1477372	0.1219629	0.9956288	0.7030173	0.8424145	0.4882248	0.1393133	0.1393133	blue
0.8990063	0.01421531	0.8071756	0.7688113	0.3669246	0.5796199	0.00884866	0.00884866	black
0.8361293	0.7943651	0.06875283	0.4640176	0.9725167	0.5356478	0.00011985	0.00011985	brown
0.4441343	0.9334215	0.00851106	0.2913369	0.7847241	0.1999089	0.00069271	0.00069271	green
0.9051623	0.09660635	0.2746308	0.3498029	0.6529006	0.07833632	1.11E-07	1.11E-07	blue
0.3898109	0.2418883	0.4855884	0.1084584	0.8845284	0.9597972	0.324259	0.324259	grey
0.3112403	0.886137	0.4314698	0.7039993	0.3678815	0.2196294	0.2105625	0.2105625	grey
0.6129012	0.02292204	0.0029838	0.2972862	0.7990121	0.4899009	9.68E-12	9.68E-12	brown
0.4244978	0.08611948	0.4645716	0.3034526	0.3239186	0.08106235	0.0002752	0.0002752	turquoise
0.586772	0.808393	0.4336856	0.7469173	0.9262326	0.5346404	0.00672029	0.00672029	turquoise
0.6209286	0.1281055	0.4729088	0.1388159	0.3926083	0.08941261	0.00505763	0.00505763	turquoise
0.7110041	0.04889927	0.03621296	0.204275	0.1655891	0.177598	0.00027999	0.00027999	green
0.04890879	0.1470206	0.746725	0.9088309	0.7287676	0.3814813	0.3964784	0.3964784	grey
0.9127063	0.04887843	0.4701153	0.4826097	0.374538	0.203945	0.7950948	0.7950948	grey
0.6245998	0.5365298	0.1800063	0.2203072	0.9518484	0.5819949	0.7434318	0.7434318	blue
0.2772035	0.6906581	0.00970002	0.0565566	0.7009188	0.3915001	0.02299558	0.02299558	grey
0.7096273	0.01432342	0.6032013	0.210259	0.9131575	0.5872918	0.00014966	0.00014966	grey
0.5258786	0.3143273	0.07500736	0.2972151	0.8662177	0.2015109	0.03595777	0.03595777	salmon
0.6423031	0.1918823	0.0037988	0.3747807	0.4376126	0.4369934	0.00688132	0.00688132	magenta
0.1260412	0.4892823	0.9477078	0.3322318	0.4607789	0.582164	0.3539182	0.3539182	grey
0.4308673	0.7574629	0.1550041	0.4304145	0.8681947	0.3037206	0.6756378	0.6756378	grey
0.8720676	0.5939903	0.9713996	0.9676303	0.3927186	0.160663	0.4077549	0.4077549	blue
0.9513762	0.6703742	0.04208732	0.8033737	0.7791275	0.7036572	2.57E-05	2.57E-05	brown
0.5400035	0.8849075	0.01950902	0.063772	0.183352	0.1087014	0.0376666	0.0376666	grey
0.571655	0.2759786	0.00338803	0.3668833	0.09318594	0.4852045	0.01010828	0.01010828	turquoise
0.6877122	0.4269806	0.994716	0.8168757	0.2599358	0.7955784	0.4119208	0.4119208	turquoise
0.4383789	0.1477349	0.424809	0.2538124	0.4297466	0.5725315	0.00980589	0.00980589	black
0.8202264	0.2455974	0.6981153	0.6824817	0.4005029	0.6079801	0.6706258	0.6706258	grey

0.1580078	0.699775	0.1744968	0.3196298	0.4244402	0.429877	0.2032647	0.2032647	turquoise
0.9425784	0.2010318	0.5934755	0.4095488	0.4445829	0.7339617	0.00149056	0.00149056	grey
0.4108762	0.1861934	0.0420865	0.3829052	0.8957374	0.2480914	0.0595172	0.0595172	turquoise
0.5733678	0.02016665	0.3164947	0.224067	0.5548781	0.1273408	4.10E-15	4.10E-15	yellow
0.5602273	0.05439747	0.9748643	0.9054333	0.854914	0.5739893	0.00370547	0.00370547	blue
0.7323509	0.3597889	0.2208038	0.4336841	0.486686	0.6718698	0.046883	0.046883	grey
0.9304696	0.8331324	0.2356812	0.1615604	0.7338174	0.9616279	0.05818086	0.05818086	blue
0.991426	0.074497	0.6812671	0.4900987	0.2933854	0.5422048	0.05107059	0.05107059	turquoise
0.00562479	0.1034537	0.1464163	0.1213496	0.7069779	0.6958677	0.8657005	0.8657005	grey
0.8055535	0.5880625	0.3145032	0.7033036	0.5750075	0.3822935	0.04253476	0.04253476	turquoise
0.03257653	0.9466074	0.04038872	0.948954	0.3144158	0.3733318	0.02232022	0.02232022	turquoise
0.6482273	0.09965479	0.4922709	0.1031336	0.5613832	0.5933209	0.8365806	0.8365806	grey
0.0721087	0.7426419	0.639646	0.5532207	0.9645764	0.770127	0.00810808	0.00810808	grey
0.0473893	0.5294297	0.03485132	0.0467343	0.2503448	0.8198458	0.01398965	0.01398965	turquoise
0.5726394	0.9221756	0.01601129	0.2692407	0.4653432	0.01208269	0.4917987	0.4917987	turquoise
0.6926449	0.5529975	0.7734848	0.0829685	0.9709731	0.9214293	7.03E-07	7.03E-07	blue
0.100411	0.5431518	0.1887103	0.2780775	0.4946734	0.6245872	0.00261259	0.00261259	grey
0.589891	0.189562	0.9487459	0.2329742	0.04706773	0.875503	0.1121699	0.1121699	grey
0.8521884	0.0254627	0.4967984	0.4128587	0.3025065	0.6287496	0.01403744	0.01403744	grey
0.9354502	0.4854448	0.00163509	0.0694361	0.8932029	0.02963477	0.9339083	0.9339083	turquoise
0.01022391	0.5615968	0.1983647	0.4767011	0.3789347	0.7799869	0.06692076	0.06692076	grey
0.1427582	0.3977861	0.01166916	0.0220759	0.8894121	0.01836589	0.00249951	0.00249951	turquoise
0.9451352	0.03956049	0.01323042	0.9587857	0.9850186	0.1697304	1.36E-06	1.36E-06	blue
0.3685507	0.09758457	0.05246603	0.4482448	0.3260206	0.6870102	1.17E-15	1.17E-15	yellow
0.9322182	0.4050336	0.08639571	0.7830439	0.961698	0.09085137	0.8997786	0.8997786	grey
0.2689148	0.4176491	0.1317552	0.0123882	0.0020213	0.0296315	0.2212627	0.2212627	green
0.03859356	0.4488397	0.5485752	0.9146201	0.7513743	0.3022188	0.01034093	0.01034093	blue
0.7654944	0.2315141	0.6647346	0.0173781	0.3564125	0.1005158	0.00767797	0.00767797	purple
0.1204226	0.9094544	0.1154178	0.8991325	0.5210482	0.6893462	0.0281993	0.0281993	grey
0.3202343	0.4470831	0.1177337	0.3079841	0.4719315	0.2297584	0.0003088	0.0003088	grey
0.04938297	0.3033299	0.1900834	0.2571912	0.4584609	0.8022883	0.7045723	0.7045723	pink
0.4060324	0.1329973	0.434224	0.376172	0.4882362	0.3398429	0.00034886	0.00034886	blue
0.5096577	0.2608588	0.9486211	0.6493868	0.1697099	0.1247066	0.7975789	0.7975789	grey
0.04085314	0.6145934	0.03236232	0.9118954	0.6221058	0.2584035	0.00997028	0.00997028	grey
0.1510792	0.5589339	0.03867645	0.8609551	0.8870562	0.2869045	0.05322074	0.05322074	blue
0.09271543	0.2975001	0.2502556	0.6564784	0.9305651	0.500692	0.9891304	0.9891304	midnightblue
0.7169358	0.1928853	0.9528168	0.8881868	0.4373901	0.6091477	0.06048309	0.06048309	blue
0.9333891	0.09705423	0.6353011	0.6956133	0.8724903	0.3285048	8.44E-05	8.44E-05	blue
0.1344479	0.8928761	0.8668333	0.6304198	0.3770073	0.3060239	0.8327828	0.8327828	turquoise
0.6760561	0.2392193	0.7638075	0.4316769	0.3326751	0.7697347	0.4302271	0.4302271	grey
0.1332374	0.07843262	0.3388841	0.5762398	0.9122412	0.2413965	0.00136061	0.00136061	turquoise
0.8510295	0.0161778	0.02626514	0.4002595	0.9467312	0.6536189	8.56E-18	8.56E-18	brown
0.8481894	0.1674394	0.432057	0.9116123	0.3225637	0.1554845	0.6807399	0.6807399	grey
0.5024552	0.03029921	0.02064555	0.3132475	0.4524176	0.2026689	2.50E-10	2.50E-10	brown
0.03264313	0.3048716	0.4680144	0.1108012	0.972922	0.2751812	0.4984924	0.4984924	turquoise
0.048311	0.1913277	0.9707232	0.194429	0.9257188	0.4681718	0.06016607	0.06016607	grey
0.781305	0.8179506	0.07486202	0.2403971	0.2280921	0.23944	0.00615943	0.00615943	green
0.7511026	0.01283129	0.2722929	0.6508936	0.3874202	0.7186684	3.37E-06	3.37E-06	green
0.3026553	0.1311264	0.453128	0.5253135	0.949222	0.1504314	0.0006385	0.0006385	blue
0.7411788	0.8917213	0.03776455	0.6774849	0.9467197	0.7232699	2.80E-22	2.80E-22	yellow
0.1608049	0.02245924	0.5051477	0.5654524	0.6194214	0.9391486	0.00128495	0.00128495	blue
0.1889815	0.666842	0.3866424	0.7904424	0.7420652	0.6014943	0.2862015	0.2862015	red
0.1554691	0.3314822	0.1459235	0.0345334	0.2456318	0.4137048	0.7649121	0.7649121	brown
0.4573628	0.02912037	0.8562362	0.8447492	0.8270336	0.6566774	0.4033831	0.4033831	green
0.1908488	0.9632107	0.739645	0.3929517	0.4634535	0.7219274	0.04822691	0.04822691	turquoise
0.2343816	0.8367194	0.6824131	0.3902898	0.2311145	0.06062561	0.3905518	0.3905518	skyblue
0.9549651	0.2679418	0.238118	0.6220057	0.5864766	0.4924076	4.96E-08	4.96E-08	grey
0.1529002	0.8916637	0.01366615	0.8117804	0.7302583	0.3340602	0.5502694	0.5502694	green
0.03532995	0.1260838	0.4850786	0.9196918	0.9584009	0.4864945	2.47E-07	2.47E-07	turquoise
0.00639775	0.6164222	0.7862263	0.617083	0.3993836	0.9560241	0.1490679	0.1490679	turquoise
0.4786527	0.4493584	0.04168144	0.9342186	0.2098225	0.4422631	0.06226219	0.06226219	grey

0.8979676	0.9894208	0.1558831	0.2396075	0.9016234	0.05066661	1.82E-05	1.82E-05	grey
0.1505038	0.4712813	0.1337259	0.4125965	0.05928261	0.2434455	0.00396766	0.00396766	blue
0.3022915	0.7229939	0.9720432	0.9974809	0.3849151	0.6197337	0.9425971	0.9425971	darkgreen
0.2379912	0.9636707	0.04009144	0.2285596	0.1952659	0.08663423	0.00066639	0.00066639	yellow
0.3970046	0.8115095	0.09539061	0.9823308	0.7601279	0.4330556	3.33E-20	3.33E-20	yellow
0.868308	0.02005049	0.00038613	0.2422666	0.8630964	0.05819556	0.2254025	0.2254025	grey
0.7020616	0.1138983	0.07051513	0.3153115	0.7351272	0.4040556	0.1506383	0.1506383	blue
0.1338133	0.5461678	0.1448791	0.7757579	0.7328128	0.1785241	0.01088668	0.01088668	blue
0.1941007	0.5452992	0.4997184	0.453695	0.7562043	0.4770017	0.06902496	0.06902496	turquoise
0.6591201	0.7539707	0.4633731	0.1944446	0.5684241	0.4128	0.00195299	0.00195299	grey
0.08408514	0.7952665	0.7842887	0.1095824	0.3352864	0.3951442	0.04542994	0.04542994	grey
0.492868	0.00042946	0.9432843	0.972136	0.8575831	0.5775986	5.37E-06	5.37E-06	turquoise
0.6740275	0.3467122	0.9648883	0.6310067	0.6690884	0.3417985	0.0382863	0.0382863	grey
0.1071955	0.1951649	0.8847534	0.5995552	0.5893956	0.6477885	0.011385	0.011385	blue
0.764303	0.3405177	0.07409877	0.2996685	0.8043343	0.1905308	0.2076091	0.2076091	turquoise
0.5855787	0.00205682	0.01564152	0.7710513	0.175087	0.2652708	0.00343261	0.00343261	grey
0.1956202	0.05408323	0.145955	0.0872103	0.2563652	0.2807418	7.99E-09	7.99E-09	brown
0.9001867	0.6733025	0.0017767	0.3282573	0.4731003	0.503457	0.2346273	0.2346273	turquoise
0.9450789	0.569536	0.00630487	0.5057693	0.6534366	0.4887121	1.64E-05	1.64E-05	turquoise
0.2467286	0.464566	0.1398175	0.4503887	0.3911541	0.7230122	0.05244369	0.05244369	pink
0.0726479	0.3157405	0.00430223	0.045239	0.8498446	0.03847056	0.1058051	0.1058051	turquoise
0.9945153	0.08117178	0.08594174	0.027335	0.6753406	0.1429794	0.419511	0.419511	grey
0.7771319	0.1167548	0.3220698	0.6183891	0.9013182	0.247041	0.23806	0.23806	blue
0.1619603	0.9828634	0.1471505	0.6431128	0.89622	0.3378119	0.2576353	0.2576353	red
0.2045805	0.3040221	0.35442	0.5921961	0.8431333	0.4870203	0.9561074	0.9561074	grey
0.5352233	0.3883908	2.50E-05	0.0034765	0.2116948	0.1866273	6.38E-05	6.38E-05	brown
0.504523	0.2225762	0.8435271	0.0756	0.6633432	0.9184268	0.00577645	0.00577645	blue
0.2603754	0.2466885	0.8112713	0.9057099	0.5770021	0.9314221	0.853985	0.853985	red
0.8986734	0.2286662	0.00406455	0.3957503	0.6980982	0.407384	4.70E-11	4.70E-11	brown
0.04165837	0.6853397	0.00767355	0.9918911	0.3352145	0.3839667	0.6550192	0.6550192	grey
0.5725328	0.8698618	0.0498475	0.6950066	0.6667918	0.2725227	0.5875934	0.5875934	turquoise
0.4450882	0.8266755	0.1732479	0.2792815	0.3266166	0.2087088	0.4973321	0.4973321	turquoise
0.8139622	0.6268831	0.3509843	0.2478278	0.7090539	0.5168776	0.00010328	0.00010328	blue
0.09547495	0.9032382	0.9533081	0.487545	0.9675017	0.3614563	0.2345782	0.2345782	grey
0.3724853	0.4599371	0.6789486	0.3513715	0.6408002	0.631487	0.3800445	0.3800445	grey
0.2334257	0.5066393	0.09435941	0.2647465	0.7611086	0.00515039	1.58E-05	1.58E-05	blue
0.4536393	0.2171658	0.9901042	0.9879597	0.05506757	0.1981592	0.00442105	0.00442105	blue
0.1861512	0.08545147	0.1540565	0.043268	0.8781343	0.9457409	0.00199585	0.00199585	blue
0.4423725	0.00237158	0.2085456	0.6496429	0.2436854	0.9270092	1.35E-06	1.35E-06	green
0.6056015	0.00031657	0.3173774	0.6301693	0.5349247	0.02222508	1.64E-06	1.64E-06	brown
0.6198744	0.02521252	0.2260038	0.5671357	0.6397403	0.7088188	0.05279375	0.05279375	white
0.4954196	0.2817024	0.00418032	0.3855468	0.8713869	0.358489	0.432335	0.432335	turquoise
0.6193036	0.01331899	0.2213505	0.9246882	0.8097419	0.9033113	7.99E-08	7.99E-08	brown
0.1290085	0.2162187	0.1101059	0.400003	0.7873719	0.314273	0.698924	0.698924	white
0.02673347	0.2170256	0.4926824	0.0471818	0.2545671	0.1699501	0.8343373	0.8343373	turquoise
0.5415225	0.1545278	0.00214583	0.0165679	0.00390163	0.4848346	7.49E-07	7.49E-07	brown
0.4690654	0.45359	0.9201502	0.1771684	0.3772069	0.3868579	0.1216098	0.1216098	grey
0.195098	0.00026478	0.194842	0.3156691	0.9729865	0.5264672	9.89E-06	9.89E-06	green
0.7157411	0.2182556	0.00836439	0.259419	0.3135018	0.1290332	9.02E-05	9.02E-05	blue
0.5594016	0.06569769	0.1913984	0.3263022	0.4934239	0.2850807	0.01014782	0.01014782	blue
0.07705782	0.461607	0.5825505	0.4546154	0.6069019	0.6380737	0.3357371	0.3357371	cyan
0.2496247	0.1072106	0.3892064	0.9313195	0.737578	0.291051	4.12E-05	4.12E-05	turquoise
0.8202954	0.1905631	0.08307739	0.1093591	0.8108873	0.00178242	0.08689703	0.08689703	turquoise
0.9310231	0.4424126	0.5201095	0.7101228	0.9611834	0.3997127	0.06508359	0.06508359	blue
0.1074498	0.01403045	0.01991636	0.2532547	0.7989541	0.738055	8.67E-06	8.67E-06	turquoise
0.744388	0.00590012	0.00061636	0.0740533	0.991218	0.4007286	2.86E-23	2.86E-23	brown
0.2707812	0.4562837	0.6359446	0.9821203	0.722758	0.1590336	0.00226875	0.00226875	turquoise
0.2750309	0.5202442	0.7419382	0.9986665	0.6781811	0.8634025	1.43E-05	1.43E-05	turquoise
0.184742	0.2165202	0.07248301	0.1058468	0.555969	0.3167809	0.02285256	0.02285256	grey
0.2052539	0.01036587	0.02099715	0.4460988	0.6257432	0.8026509	2.11E-14	2.11E-14	brown
0.07691413	0.00402101	0.1141187	0.3244692	0.3488462	0.8067822	9.33E-11	9.33E-11	yellow

0.6116192	0.6311639	0.0866205	0.39699	0.4144044	0.08155824	0.08563264	0.08563264	grey
0.4716932	0.5263889	0.4847047	0.02277	0.1427459	0.6423722	0.03155723	0.03155723	turquoise
0.4951351	0.8477232	0.1850802	0.2830788	0.4190887	0.5748608	0.2266477	0.2266477	turquoise
0.6173577	0.2764892	0.09778043	0.4586011	0.6997641	0.6536148	0.4514202	0.4514202	grey
0.5918021	0.9489447	0.0030472	0.6909509	0.8440243	0.2604517	0.2893052	0.2893052	pink
0.6343305	0.2752067	0.4086788	0.6669902	0.3953341	0.8237109	0.5809889	0.5809889	turquoise
0.6845598	0.08705748	0.1577854	0.7509642	0.234428	0.07950837	0.00197823	0.00197823	grey
0.9483921	0.9579359	0.8048213	0.8291777	0.4600189	0.5945795	9.83E-14	9.83E-14	yellow
0.0340831	0.1132398	0.77335	0.1839103	0.6429673	0.6238799	0.00875683	0.00875683	blue
0.7654269	0.3454166	0.05652468	0.312519	0.1996335	0.8795079	0.2414522	0.2414522	grey
0.08878184	0.4526435	0.02813056	0.0686772	0.496272	0.2860861	0.09797002	0.09797002	grey
0.6187429	0.6038842	0.9808223	0.483832	0.4111315	0.7361288	0.1128466	0.1128466	turquoise
0.5761087	0.4090441	0.07182047	0.6545986	0.4256892	0.4349296	0.1176924	0.1176924	grey
0.9016462	0.8742386	0.00493094	0.1259235	0.9946175	0.06488762	0.8268228	0.8268228	turquoise
0.4030934	0.2449839	0.5610716	0.9353881	0.9706133	0.3653078	0.781895	0.781895	red
0.2566461	0.5453833	0.03503425	0.7485516	0.00975231	0.02331465	0.04715805	0.04715805	green
0.7906036	0.2079294	0.8698131	0.7673513	0.5124222	0.5494084	0.2380141	0.2380141	grey
0.5217712	0.03378943	0.06091464	0.1175613	0.6001316	0.2239265	0.00920747	0.00920747	turquoise
0.01276714	0.5457593	0.07900166	0.2112387	0.4061005	0.161381	0.01562957	0.01562957	magenta
0.9873986	0.09355986	0.2719949	0.4656545	0.0448854	0.9127491	0.00372741	0.00372741	green
0.04512158	0.3766671	0.1467158	0.9929887	0.1129458	0.2901018	0.03400304	0.03400304	grey
0.2290529	0.87197	0.02730121	0.1110485	0.5797309	0.0491281	5.59E-07	5.59E-07	yellow
0.3239773	0.9219501	0.8246402	0.7731604	0.695948	0.3243519	0.00387281	0.00387281	grey
0.7930411	0.00121717	0.2455043	0.9542703	0.7814493	0.4551825	0.00216745	0.00216745	grey
0.5653288	0.07936628	0.3529414	0.0684671	0.6765517	0.2310632	0.01635437	0.01635437	grey
0.2117377	0.9370954	0.9768746	0.0352523	0.429363	0.2930081	0.09201908	0.09201908	grey
0.759601	0.3580787	0.4021992	0.2959135	0.6067029	0.2253627	0.00011702	0.00011702	grey
0.7087372	0.4058158	0.3690352	0.3272651	0.8157515	0.4698918	0.15608	0.15608	blue
0.2353383	0.9252167	0.2966642	0.2344302	0.9309161	0.6469964	1.89E-14	1.89E-14	yellow
0.7517522	0.1019645	0.07345066	0.3419342	0.8832827	0.432677	0.5003268	0.5003268	black
0.3382208	0.02057203	0.2294052	0.4216931	0.6615242	0.7310358	1.32E-05	1.32E-05	blue
0.7698234	0.7879132	0.00016148	0.0388945	0.3345955	0.0824702	0.00684259	0.00684259	magenta
0.7661176	0.01690539	0.04487482	0.6196029	0.6079395	0.2318258	0.01633903	0.01633903	turquoise
0.1472248	0.9819029	0.7889512	0.5896922	0.6367165	0.5828939	0.4003865	0.4003865	grey
0.9973193	0.6439219	0.05488833	0.1239721	0.7684266	0.5546203	0.00385565	0.00385565	blue
0.5516627	0.5001791	0.02147608	0.2221437	0.3162952	0.9963509	0.2270191	0.2270191	turquoise
0.2359289	0.9882116	0.1091379	0.8112348	0.7190804	0.8916969	0.4022822	0.4022822	grey
0.4330655	0.6377001	0.09023825	0.3136295	0.5729702	0.1173273	0.05927044	0.05927044	turquoise
0.6339845	0.1288829	0.7195873	0.1771326	0.9023813	0.05411542	0.05240628	0.05240628	turquoise
0.7220775	0.0386664	0.07290411	0.1116395	0.8357856	0.1204638	0.01179788	0.01179788	turquoise
0.4082827	0.1840362	0.1544538	0.1622536	0.9774259	0.00801689	0.04723076	0.04723076	turquoise
0.4946913	0.00387504	0.04266385	0.7458532	0.8850838	0.2485914	6.46E-10	6.46E-10	brown
0.0482916	0.1547058	0.06077322	0.5532393	0.8148706	0.7410651	0.00398206	0.00398206	blue
0.5043116	0.7415448	0.2051531	0.8030635	0.3612725	0.4158099	0.00593661	0.00593661	turquoise
0.9392204	0.8420254	0.00671859	0.0890754	0.8010687	0.01686158	0.01532218	0.01532218	blue
0.06865622	0.9246761	0.2726816	0.2565539	0.2252991	0.3889787	0.4212008	0.4212008	turquoise
0.6109367	0.7040875	0.01967047	0.397197	0.6265997	0.1914895	0.4561837	0.4561837	turquoise
0.3039534	0.1488611	0.8903723	0.690344	0.2511689	0.3582649	1.24E-07	1.24E-07	blue
0.05258491	0.08554981	0.02285103	0.052245	0.8178266	0.07628109	0.1458078	0.1458078	grey
0.6274868	0.00055355	0.01128234	0.0960701	0.2164738	0.9981401	8.10E-24	8.10E-24	brown
0.4123942	0.2953457	0.04432391	0.1950354	0.9643558	0.03908075	0.00070794	0.00070794	blue
0.04909545	0.8325339	0.4258069	0.409909	0.00016314	0.7922436	0.8243897	0.8243897	black
0.1554605	0.5726233	0.3950774	0.1768253	0.9058425	0.09600118	0.03488664	0.03488664	grey
0.3060777	0.1702028	0.01159041	0.4971818	0.9492165	0.1060718	0.01558136	0.01558136	turquoise
0.6061892	0.8361467	0.5943643	0.7809274	0.7284029	0.9203237	0.8253425	0.8253425	cyan
0.3806471	0.1334987	0.4913769	0.9731395	0.5800516	0.8371964	1.14E-18	1.14E-18	brown
0.1056807	0.6160905	0.79765	0.7168839	0.74282	0.4579514	0.01204337	0.01204337	lightgreen
0.3424014	0.9127999	0.00184213	0.1024675	0.3575622	0.08323904	0.00123089	0.00123089	blue
0.8008792	0.07284514	0.6339395	0.8326516	0.6500157	0.3493311	0.07145539	0.07145539	blue
0.1040241	0.6133215	0.07702447	0.2836937	0.03895276	0.01011602	0.03717873	0.03717873	turquoise
0.8505289	0.00917835	0.6779196	0.3974299	0.8280011	0.6354291	3.64E-09	3.64E-09	black

0.8887807	0.280276	0.1203063	0.3928929	0.7036259	0.2200701	8.86E-07	8.86E-07	grey
0.9922658	0.09963842	0.1926913	0.7851529	0.7019812	0.6869827	3.07E-05	3.07E-05	blue
0.6585244	0.04396571	0.07356275	0.0256002	0.7915589	0.6179551	5.89E-08	5.89E-08	brown
0.5662215	0.00600524	0.06556123	0.4253059	0.414819	0.7361314	8.32E-09	8.32E-09	brown
0.3253262	0.3880369	0.08433934	0.60131	0.8258711	0.4655169	0.4514091	0.4514091	darkred
0.5821638	0.2200828	0.94986	0.6278523	0.4486028	0.2913421	0.00015463	0.00015463	grey
0.02485627	0.03340218	0.7282188	0.7876764	0.8563164	0.8306883	0.07936479	0.07936479	black
0.7384125	0.0239544	0.1197653	0.9342173	0.8578034	0.238004	1.67E-28	1.67E-28	yellow
0.1923211	0.4804489	0.3417924	0.3867721	0.6448433	0.8909396	7.84E-05	7.84E-05	grey
0.9169275	0.00262597	0.2977985	0.6427803	0.8525419	0.9871124	3.11E-12	3.11E-12	brown
0.08327289	0.8445991	0.7514095	0.104603	0.8272308	0.7049951	0.06836953	0.06836953	grey
0.8544043	0.5393281	0.485428	0.7303253	0.7137142	0.2244162	0.8464403	0.8464403	darkgreen
0.350928	0.2864739	0.04128209	0.4768412	0.3158951	0.244806	0.1255021	0.1255021	grey
0.2053932	0.1022644	0.7401774	0.1217846	0.5619547	0.9774543	0.4018942	0.4018942	grey
0.8534806	0.07286434	0.3307066	0.5329399	0.654108	0.5562784	0.00015022	0.00015022	grey
0.8869835	0.9823741	0.00381272	0.0052712	0.9800356	0.00828359	0.9670319	0.9670319	turquoise
0.4537956	0.4215598	0.9885335	0.2753926	0.7129086	0.5437305	0.0116816	0.0116816	salmon
0.1735873	0.3098292	0.2933118	0.8146241	0.9849668	0.1406731	4.22E-08	4.22E-08	grey
0.8534397	0.1978701	0.3682344	0.5990345	0.2591161	0.7332158	0.2151569	0.2151569	turquoise
0.1541103	0.7905125	0.467558	0.0325689	0.5406596	0.03614012	0.7234331	0.7234331	grey
0.069655	0.04809248	0.4610667	0.5041721	0.06643721	0.5934336	0.9193312	0.9193312	grey
0.8508417	0.478991	0.06304427	0.6817381	0.6607871	0.289429	0.01219494	0.01219494	grey
0.5142378	0.02846651	0.00018119	0.9173679	0.25278	0.8024949	3.14E-08	3.14E-08	yellow
0.8069109	0.5539191	0.00010831	0.0264531	0.6706704	0.02715353	0.00037821	0.00037821	brown
0.4815517	0.1439124	0.6929877	0.1545182	0.7762191	0.6044653	0.00303588	0.00303588	salmon
0.2921293	0.00255665	0.08570947	0.5767089	0.8405678	0.8382751	5.79E-09	5.79E-09	grey
0.1873748	0.5487913	0.05968208	0.2724187	0.3621321	0.3320437	4.01E-16	4.01E-16	yellow
0.1072173	0.02855727	0.2985437	0.1291122	0.7413236	0.104418	0.659147	0.659147	turquoise
0.4229651	0.5014422	0.0109862	0.0725834	0.7286674	0.2517259	8.54E-06	8.54E-06	brown
0.1539652	0.0245488	0.4674948	0.4706073	0.8262022	0.7174426	0.00010981	0.00010981	grey
0.4730518	0.01280789	0.01321119	0.0693536	0.721354	0.5020259	2.65E-16	2.65E-16	lightyellow
0.111297	0.1400781	0.01381459	0.07244	0.8549885	0.03601186	2.99E-05	2.99E-05	turquoise
0.3477202	0.9741853	0.5660277	0.7857371	0.7162297	0.09230374	0.00261622	0.00261622	blue
0.6591042	0.4338088	6.17E-05	0.0063318	0.6713061	0.00215323	0.4028518	0.4028518	green
0.5753308	0.2265077	0.03510629	0.0780576	0.7283349	0.08733787	0.00041255	0.00041255	turquoise
0.4032677	0.9580104	0.6879615	0.7376844	0.2734419	0.525229	0.246834	0.246834	grey
2.67E-12	0.5582779	0.00685246	0.5361979	0.8210293	0.181511	0.01617215	0.01617215	grey
0.6675019	0.6067644	0.0932278	0.820619	0.6751281	0.7370389	0.7277501	0.7277501	grey
0.01393859	0.374797	0.06765356	0.0893012	0.2705734	0.7028273	0.2395195	0.2395195	grey
0.4661271	0.242143	0.1609527	0.9502457	0.7775231	0.08530384	0.09195219	0.09195219	grey
0.1979681	0.2562915	0.2205525	0.3752132	0.9083735	0.4956401	0.00026912	0.00026912	purple
0.841479	0.6736012	0.09481883	0.7858841	0.5036826	0.9916693	0.00410112	0.00410112	grey
0.4085125	0.2196172	0.7187905	0.1572273	0.5261329	0.2323226	0.1605196	0.1605196	grey
0.04713847	0.750329	0.7430796	0.7439833	0.08014548	0.7862127	0.00568798	0.00568798	grey
0.6254199	0.8777593	0.02057644	0.3893131	0.8338281	0.9816051	0.4811034	0.4811034	turquoise
0.7780683	0.7144395	0.8260502	0.6069067	0.7145145	0.4959571	0.01427226	0.01427226	grey
0.1263688	0.3037998	0.1877694	0.6681181	0.97264	0.262952	2.99E-08	2.99E-08	grey
0.1613471	0.07873351	0.4671466	0.7698772	0.7438985	0.9677299	5.87E-08	5.87E-08	blue
0.3456906	0.3440815	0.00242628	0.0998566	0.8558711	0.1161557	0.00034663	0.00034663	turquoise
0.7867199	0.7175155	0.763529	0.1132642	0.9608272	0.5902769	7.91E-07	7.91E-07	blue
0.03439653	0.8087251	0.6086547	0.2472675	0.5107739	0.5941396	0.09810497	0.09810497	grey
0.6247928	0.0852962	0.2751204	0.0852022	0.6840776	0.7101766	0.00262397	0.00262397	darkturquoise
0.6387777	0.9427217	0.7535702	0.3517892	0.1535637	0.9956547	6.48E-07	6.48E-07	yellow
0.2275562	0.2361227	0.1286358	0.4614248	0.7657816	0.4838749	0.2073847	0.2073847	grey
0.4222322	0.0168637	0.00097037	0.3506545	0.6448301	0.9971684	4.78E-08	4.78E-08	brown
0.04454898	0.8073397	0.06083348	0.6417779	0.9152939	0.2668959	0.04369626	0.04369626	black
0.768732	0.1237298	0.00856813	0.9423725	0.6397488	0.9438239	1.52E-09	1.52E-09	yellow
0.3018028	0.8177898	0.03717128	0.1494031	0.3052	0.5925582	0.01650625	0.01650625	yellow
0.9731296	0.9836633	0.1318317	0.5275529	0.6216276	0.3101381	0.8449736	0.8449736	green
0.1177486	0.9795235	0.9070002	0.2053459	0.7035828	0.2426236	0.8500416	0.8500416	grey
0.7717558	0.4426835	0.8626079	0.6801994	0.551671	0.2270707	0.2018627	0.2018627	grey

0.4464029	0.7441705	0.01120913	0.3686907	0.7234857	0.1817601	0.3327786	0.3327786	tan
0.4233681	0.3441985	0.8889221	0.5764527	0.9994355	0.9524095	0.1280665	0.1280665	grey
0.9847483	0.2128449	0.3708633	0.3762651	0.3945043	0.7122745	0.2890587	0.2890587	blue
0.03414991	0.07928653	0.3875254	0.2580844	0.5874793	0.0393224	0.00080604	0.00080604	grey
0.9114825	0.534945	0.7674355	0.232258	0.8883378	0.9635397	0.8890944	0.8890944	blue
0.1937869	0.8128059	0.2916015	0.351127	0.1524313	0.7818083	0.05068484	0.05068484	turquoise
0.6692906	0.523165	0.2087446	0.0672484	0.6454207	0.5387609	0.03662092	0.03662092	grey
0.7119181	0.4842097	0.3310919	0.6898567	0.5557455	0.5827209	0.01167508	0.01167508	grey
0.3441648	0.2876965	0.5611	0.6485176	0.9126419	0.1540743	0.6856062	0.6856062	turquoise
0.6993893	0.00565849	0.00034852	0.3196444	0.5063766	0.9305783	4.99E-22	4.99E-22	brown
0.6743992	0.00944875	0.3414421	0.8267804	0.9858647	0.3162263	1.05E-07	1.05E-07	brown
0.2057044	0.07992733	0.01352279	0.6692219	0.8731949	0.4083472	0.00094187	0.00094187	green
0.2404791	0.8095093	0.5471444	0.6091176	0.4278319	0.9866286	0.0002153	0.0002153	blue
0.9052837	0.389139	0.9237988	0.6282545	0.2797149	0.7071127	0.673646	0.673646	grey
0.9025769	0.00493095	0.2818293	0.7648163	0.851896	0.8235006	5.32E-08	5.32E-08	brown
0.9350966	0.4305983	0.7539835	0.1068572	0.5548719	0.0098078	0.1966051	0.1966051	grey
0.3329004	0.595897	0.8368815	0.1522163	0.7231692	0.8407791	5.86E-05	5.86E-05	grey
0.03945559	0.8840878	0.00943033	0.0753596	0.6985888	0.3295903	0.2390149	0.2390149	grey
0.3764474	0.8315064	0.00356474	0.3238825	0.03799802	0.05886534	0.0843382	0.0843382	green
0.09224474	0.2687411	0.2517522	0.5235244	0.2569548	0.04162731	0.0007766	0.0007766	blue
0.6401546	0.8055933	0.1862943	0.0234298	0.7350847	0.1334193	0.5898072	0.5898072	lightcyan
0.2680597	0.6718857	0.2756831	0.5369189	0.4887012	0.3564968	2.63E-05	2.63E-05	grey
0.3557763	0.0485621	0.00375595	0.3078593	0.7513942	0.2726958	6.66E-07	6.66E-07	turquoise
0.5336605	0.3468712	0.06990867	0.931152	0.6695846	0.8359255	0.06191919	0.06191919	grey
0.09329984	0.5387312	0.841322	0.6263942	0.3885807	0.4808929	0.150617	0.150617	grey
0.3046743	0.3477125	0.5288134	0.8433633	0.954035	0.2339747	0.5436286	0.5436286	greenyellow
0.3474905	0.6089298	0.7337212	0.7783347	0.6631376	0.03197497	0.03439126	0.03439126	grey
0.6593964	0.791679	0.02308592	0.462406	0.9723123	0.1680961	0.00505462	0.00505462	greenyellow
0.03647324	0.3230159	0.5712848	0.4455936	0.6203602	0.8114853	0.1488205	0.1488205	blue
0.4015399	0.00074199	0.04335487	0.939034	0.9336074	0.5155556	3.40E-19	3.40E-19	brown
0.8194528	0.8966905	0.5206743	0.3741272	0.9015573	0.3966206	0.5150444	0.5150444	grey
0.2064395	0.166474	0.2242531	0.091603	0.9174561	0.04254256	0.09707087	0.09707087	turquoise
0.9321269	0.03102926	0.8124188	0.630269	0.9586808	0.6665248	1.43E-05	1.43E-05	blue
0.7960675	0.1018203	0.7017192	0.209993	0.02740655	0.03832813	0.03785215	0.03785215	turquoise
0.4529927	0.08278004	0.3964041	0.2089829	0.4054764	0.00554691	0.1122774	0.1122774	grey
0.8199922	0.01347058	0.05457609	0.7673402	0.9975122	0.4269446	4.14E-09	4.14E-09	brown
0.2693	0.07258927	0.5829282	0.4017128	0.8573024	0.3218	0.00517956	0.00517956	blue
0.4363574	0.00075275	0.0390813	0.3644845	0.791727	0.7015555	9.32E-09	9.32E-09	grey
0.091927	0.4084226	0.3988905	0.225559	0.6984744	0.2885713	4.31E-05	4.31E-05	turquoise
0.1234666	0.1298056	0.8871023	0.7151853	0.6832357	0.2829667	1.38E-05	1.38E-05	blue
0.8261697	0.7628153	0.00583569	0.1776093	0.491612	0.2278297	7.64E-06	7.64E-06	green
0.8271597	0.4449904	0.4625701	0.4155396	0.5115527	0.1205745	0.09227818	0.09227818	grey
0.9151273	0.09458862	0.07343498	0.980355	0.9014262	0.772798	0.0046483	0.0046483	grey
0.2759292	0.5646912	0.0871975	0.6016408	0.456549	0.03696092	2.34E-05	2.34E-05	blue
0.7423552	0.8830447	0.01107192	0.0872521	0.4696753	0.00011693	0.04112293	0.04112293	turquoise
0.7561573	0.476029	0.489442	0.8739267	0.6884244	0.6205286	0.0001983	0.0001983	cyan
0.1358637	0.00856132	0.6994193	0.1994815	0.3498403	0.3609507	0.0157431	0.0157431	brown
0.3315003	0.00356507	0.3106499	0.1892583	0.09509737	0.1654672	0.1167819	0.1167819	grey
0.1513222	0.1156889	0.2564594	0.4952175	0.809114	0.6756136	0.09059727	0.09059727	turquoise
0.2499934	0.0323106	0.2929165	0.0839109	0.6882861	0.9053221	0.04892658	0.04892658	grey
0.4173642	0.0323325	0.05834639	0.2124147	0.4604561	0.2166671	0.2018417	0.2018417	turquoise
0.4244779	0.382119	0.7624195	0.2502	0.4083715	0.7357508	5.38E-07	5.38E-07	blue
0.8683157	0.4695231	0.9178605	0.025293	0.5953003	0.2766977	0.08058498	0.08058498	grey
0.1597309	0.1291924	0.00523518	0.0664311	0.5379211	0.1333754	0.00500854	0.00500854	turquoise
0.6496613	0.2599754	0.3429261	0.8619773	0.5649882	0.04768633	0.04032001	0.04032001	turquoise
0.8289069	0.00113713	0.01664782	0.2197157	0.248308	0.614545	1.82E-18	1.82E-18	brown
0.2438961	0.365281	0.1202437	0.3372737	0.6303468	0.05320508	0.4553409	0.4553409	grey
0.02783645	0.2934333	0.9962313	0.0881859	0.19474	0.2584759	0.00813004	0.00813004	skyblue
0.0486953	0.7377572	0.8871958	0.0952731	0.6523505	0.840558	0.343323	0.343323	grey
0.7179621	0.9943196	0.03719643	0.2040577	0.1560003	0.4171053	0.4191686	0.4191686	grey
0.1290408	0.1899332	0.215648	0.0657855	0.9392279	0.3583259	0.00132955	0.00132955	grey

0.5014005	0.02892372	0.9058349	0.3691673	0.5646295	0.9498435	5.38E-09	5.38E-09	blue
0.2709234	0.4448511	0.9764865	0.9840989	0.996064	0.4917421	9.66E-06	9.66E-06	midnightblue
0.9897326	0.09562032	0.02523351	0.595141	0.3030528	0.1930651	3.04E-05	3.04E-05	turquoise
0.4651114	0.6609755	0.6016528	0.2196929	0.5413565	0.2510188	0.9068507	0.9068507	royalblue
0.1227159	0.275936	0.31825	0.3912144	0.8363625	0.01997389	6.53E-05	6.53E-05	blue
0.9005031	0.01827504	0.781628	0.8061389	0.959399	0.9150083	5.65E-06	5.65E-06	turquoise
0.5630662	0.01533027	0.0117367	0.7980185	0.862482	0.2973212	8.37E-06	8.37E-06	brown
0.5238887	0.382919	0.6110841	0.0692883	0.9531576	0.9948899	0.6226406	0.6226406	grey
0.03153934	0.9063229	0.9336641	0.6228704	0.9800099	0.8951789	0.658992	0.658992	grey
0.2278255	0.5672927	0.920812	0.5117992	0.3055996	0.6368673	0.00034732	0.00034732	grey
0.726283	0.3956761	0.5362871	0.3825516	0.6011671	0.9040567	0.3623069	0.3623069	grey
0.09434947	0.7849828	0.1290325	0.1209666	0.7455547	0.1990813	0.04965536	0.04965536	grey
0.157991	0.422182	0.7357445	0.4386967	0.0917622	0.1363059	1.16E-06	1.16E-06	grey
0.4732788	0.02293252	0.03646773	0.4674817	0.9256505	0.6754002	6.22E-16	6.22E-16	brown
0.7685446	0.9748224	0.6807068	0.4959824	0.5870879	0.1478421	0.3972961	0.3972961	blue
0.7326029	0.06410414	0.06907252	0.742543	0.7588608	0.8019743	0.02063435	0.02063435	turquoise
0.02596297	0.7688254	0.00080537	0.1364944	0.9544868	0.07101802	0.1047909	0.1047909	grey
0.1570791	0.1655794	0.125224	0.9454969	0.8570576	0.9468993	4.44E-12	4.44E-12	yellow
0.03340317	0.6398668	0.00524708	0.2011204	0.8026561	0.02694169	0.04611281	0.04611281	turquoise
0.6715593	0.5868317	0.4381781	0.5096476	0.9632531	0.7040234	0.1160175	0.1160175	turquoise
0.3950785	0.4877519	0.8969813	0.6547152	0.6923395	0.4278831	0.2401657	0.2401657	grey
0.9279396	0.7542275	0.00013343	0.2900479	0.3435376	0.00565736	0.00083384	0.00083384	turquoise
0.80936	0.04686514	0.5163629	0.928624	0.2984536	0.1330819	1.02E-09	1.02E-09	blue
0.7892327	0.00221399	0.01732416	0.8873747	0.8670096	0.6510734	9.90E-13	9.90E-13	black
0.0456932	0.2755997	0.6780772	0.1296467	0.428397	0.716348	0.6541368	0.6541368	grey
0.1986507	0.2362388	0.21951	0.083856	0.6298174	0.5638282	0.2157677	0.2157677	grey
0.0827029	0.3934195	0.865668	0.9658153	0.02334916	0.593392	0.0018782	0.0018782	blue
0.8204737	0.6500396	0.5680372	0.2747276	0.1721339	0.8359116	0.469843	0.469843	blue
0.8889129	0.7305535	0.06312546	0.8497162	0.9517392	0.158891	0.1654749	0.1654749	blue
0.2922792	0.4163994	0.4178656	0.0816725	0.5960954	0.3380298	0.1132324	0.1132324	turquoise
0.8122575	0.1683766	0.947303	0.5903759	0.09743058	0.6521841	0.3440855	0.3440855	blue
0.07374123	0.04697353	0.1601158	0.3151406	0.2603071	0.04072308	4.81E-05	4.81E-05	brown
0.2739236	0.4763515	0.00768001	0.1269766	0.532903	0.1589457	0.00254707	0.00254707	green
0.9371966	0.0231038	0.08037643	0.5874319	0.8298793	0.03562951	5.20E-06	5.20E-06	blue
0.6994604	0.6718768	0.00045787	0.0274325	0.5370789	0.6575891	6.48E-22	6.48E-22	yellow
0.4390121	0.1687271	0.2544659	0.7938554	0.6626641	0.1865782	0.00014903	0.00014903	blue
0.1828253	0.7774635	0.6038719	0.6951547	0.6783486	0.7152397	0.1573173	0.1573173	grey
0.2439991	0.2960601	0.07770303	0.9084273	0.36343	0.8740422	0.02608596	0.02608596	turquoise
0.8549299	0.07443117	0.00220002	0.0302653	0.02265816	0.6173567	3.37E-05	3.37E-05	brown
0.4001749	0.02172882	0.03409712	0.0076498	0.5272511	0.2244079	0.00033269	0.00033269	grey
0.01043897	0.9914578	0.26833	0.9333557	0.6909435	0.3216462	0.4752967	0.4752967	grey
0.4177475	0.07488543	0.1279176	0.4171769	0.8843242	0.6382255	0.7823615	0.7823615	darkred
0.6580837	0.00937052	0.3748946	0.3500787	0.1093411	0.8375593	0.00035709	0.00035709	grey
0.05033994	0.3013451	0.5980645	0.01539	0.5447241	0.5262937	0.08938894	0.08938894	lightcyan
0.9113192	0.5301587	0.4400786	0.0477598	0.1800035	0.6311356	0.3767795	0.3767795	grey
0.4076109	0.2662306	0.2899474	0.6419081	0.4544727	0.1329084	2.24E-17	2.24E-17	yellow
0.2594984	0.7728116	0.01412727	0.4944637	0.6623025	0.08003585	0.02936956	0.02936956	blue
0.5823012	0.2889189	0.3669573	0.5035416	0.08255272	0.2033344	0.01713958	0.01713958	grey
0.7486394	0.1377664	0.5705351	0.3712042	0.6837866	0.2351246	7.83E-12	7.83E-12	brown
0.1622627	0.9571794	0.9288062	0.6757821	0.8172316	0.3088696	0.3893879	0.3893879	pink
0.6261969	0.03749334	0.08203001	0.2510156	0.3587676	0.822995	2.47E-13	2.47E-13	yellow
0.7957121	0.472408	0.00393636	0.1104888	0.8674087	0.06665765	0.2515568	0.2515568	turquoise
0.3547708	0.5796298	0.04438955	0.7576988	0.806703	0.3664111	0.7305867	0.7305867	turquoise
0.3115725	0.00054887	0.0167617	0.1568241	0.7015739	0.2188344	1.27E-28	1.27E-28	yellow
0.05188591	0.6995621	0.05449672	0.1339851	0.5292158	0.1345352	0.00940567	0.00940567	turquoise
0.1289374	0.02057301	0.9338779	0.1086919	0.2583229	0.4608519	1.37E-08	1.37E-08	turquoise
0.2490388	0.7681059	0.2778093	0.4120919	0.2609763	0.1187232	0.1237827	0.1237827	turquoise
0.9836289	0.7228693	0.3530977	0.6798195	0.9464981	0.8830519	0.6587977	0.6587977	grey
0.5950794	0.6076804	0.04195474	0.4542847	0.8990642	0.06519879	0.2367322	0.2367322	turquoise
0.2324332	0.3532466	0.00467688	0.8916172	0.8388336	0.1079124	0.2701106	0.2701106	grey
0.4925321	0.3088596	0.9904345	0.9150078	0.3850339	0.2792995	0.7717432	0.7717432	grey

0.4762455	0.9459288	0.5856568	0.6135106	0.4884817	0.1304282	0.5303963	0.5303963	turquoise
0.5352264	0.1110536	0.02718473	0.142559	0.9976391	0.9486606	4.04E-07	4.04E-07	brown
0.7143131	0.554213	0.2656645	0.2067161	0.3724618	0.7365635	0.4980147	0.4980147	turquoise
0.7148609	0.05657069	0.04944986	0.2632948	0.1607442	0.1147697	0.00021353	0.00021353	turquoise
0.03352286	0.4608186	0.3869963	0.7155618	0.479656	0.7671044	2.11E-05	2.11E-05	grey
0.9790566	0.09306193	0.6357238	0.6807566	0.6778196	0.7094942	0.0011845	0.0011845	blue
0.4596295	0.06750205	0.4283401	0.5874992	0.6901225	0.9596155	0.09792839	0.09792839	grey
0.234643	0.1594087	0.5519897	0.0192132	0.792268	0.2375903	0.00642806	0.00642806	grey
0.3948388	0.7064498	0.9613261	0.1936013	0.6093752	0.7457844	4.64E-09	4.64E-09	grey
0.8213002	0.9230467	0.04200714	0.3083606	0.9673292	0.02905897	0.02119586	0.02119586	turquoise
0.01140548	0.8909155	0.2317112	0.0028605	0.8103915	0.1234455	0.7317405	0.7317405	turquoise
0.7712547	0.04350957	0.00689354	0.9936764	0.9176036	0.109286	0.774096	0.774096	tan
0.1196119	0.7824064	0.6828695	0.6824038	0.7740071	0.3246258	0.1562063	0.1562063	turquoise
0.9327098	0.3371613	0.5673424	0.1184217	0.4751275	0.5193722	0.1572116	0.1572116	blue
0.3904785	0.2010218	0.2270973	0.1767357	0.4095533	0.1882365	0.4965715	0.4965715	turquoise
0.9947022	0.1268825	0.6671347	0.9354118	0.668647	0.1722662	8.72E-08	8.72E-08	turquoise
0.549164	0.00769955	0.8101206	0.6357362	0.40798	0.4634441	4.41E-07	4.41E-07	green
0.8252261	0.5425849	0.6795932	0.3699519	0.5516844	0.7165014	0.1269013	0.1269013	grey
0.2529017	0.7365287	0.7455345	0.81082	0.7255707	0.3017568	0.936762	0.936762	blue
0.6906049	0.06606208	0.5557109	0.7429323	0.6190031	0.0990166	4.39E-06	4.39E-06	blue
0.6999045	0.01603428	0.00279845	0.0892734	0.4458927	0.6097878	1.78E-11	1.78E-11	brown
0.02150187	0.00523109	0.2854138	0.1054235	0.6185271	0.07490445	0.00964744	0.00964744	lightyellow
0.3110936	0.2855778	0.1701273	0.9530356	0.6114536	0.4830434	1.47E-14	1.47E-14	yellow
0.1983965	0.4559457	0.03631021	0.0305574	0.6500934	0.3637514	0.3986222	0.3986222	grey
0.590931	0.9769062	0.05118552	0.8732149	0.9826871	0.8574751	4.29E-06	4.29E-06	magenta
0.5373867	0.3471271	0.00143122	0.0586249	0.7317684	0.5395969	0.3066419	0.3066419	turquoise
0.0751744	0.4595285	0.1684292	0.5398762	0.5927665	0.1116126	0.2186384	0.2186384	turquoise
0.6125383	0.08875481	0.00355641	0.3645751	0.6275798	0.4325997	0.00588453	0.00588453	grey
0.8807696	0.1974876	0.6962531	0.7895051	0.1284553	0.9085071	0.00853513	0.00853513	turquoise
0.5138018	0.2279043	0.03845919	0.2329084	0.5189477	0.8526224	0.3636934	0.3636934	salmon
0.02640698	0.961985	0.08143992	0.1348258	0.5446113	0.5339279	0.9069329	0.9069329	grey
0.4426144	0.2251816	0.5806261	0.7847264	0.6130518	0.3317033	0.01955829	0.01955829	blue
0.2277451	0.7105894	0.3596183	0.6626362	0.4016587	0.3210841	0.1402971	0.1402971	grey
0.904335	0.1464606	0.00135368	0.2108041	0.5416352	0.08854455	7.82E-05	7.82E-05	turquoise
0.9793001	0.07292405	0.1225667	0.1668006	0.06492738	0.4073457	7.82E-12	7.82E-12	yellow
0.1452489	0.3814198	0.00883395	0.4811483	0.8140127	0.1509241	0.00493125	0.00493125	blue
0.879601	0.3808585	0.6385997	0.142815	0.6875523	0.08259793	0.03164837	0.03164837	lightyellow
0.3376512	0.9506055	0.9196265	0.7772622	0.4106305	0.4571691	0.2873361	0.2873361	grey
0.06455549	0.01994662	0.5816725	0.6160479	0.9925528	0.7075687	0.08795132	0.08795132	grey60
0.1504622	0.3215411	0.1487241	0.0184731	0.08110587	0.01901011	0.968558	0.968558	grey
0.8343784	0.04304423	0.00250227	0.013308	0.7393731	0.00446057	0.00360072	0.00360072	blue
0.06578625	0.8521964	0.00677335	0.5752738	0.3438792	0.3942526	0.6329586	0.6329586	turquoise
0.03180068	0.2312254	0.2655046	0.4696624	0.5103667	0.3926302	0.00082858	0.00082858	blue
0.2343853	0.1179225	0.1618062	0.7826712	0.636974	0.8343361	0.02644067	0.02644067	turquoise
0.7755122	0.1407601	0.0120924	0.0313822	0.5954275	0.808877	5.18E-07	5.18E-07	brown
0.1628844	0.09820741	0.5965958	0.8855763	0.04657752	0.9673632	0.3892505	0.3892505	grey
0.7780148	0.7865932	0.7265695	0.8013735	0.9752424	0.7414679	0.00063825	0.00063825	grey
0.5215637	0.08620416	0.06385493	0.4643456	0.2024922	0.9675711	1.98E-06	1.98E-06	grey
0.5442215	0.9093036	0.2197292	0.4650443	0.1652057	0.891922	0.8831841	0.8831841	turquoise
0.7662116	0.05858022	0.2212779	0.1497411	0.661185	0.8094617	1.40E-06	1.40E-06	brown
0.5387384	0.00926597	0.4276785	0.7637917	0.6635412	0.09395326	5.84E-07	5.84E-07	brown
0.4455114	0.5287768	0.1343365	0.5548956	0.6685553	0.1029715	1.09E-06	1.09E-06	blue
0.738785	0.2658746	0.353123	0.0588165	0.5894664	0.5790959	1.00E-06	1.00E-06	grey
0.4754688	0.4400461	0.6535104	0.3185518	0.9291528	0.2647706	0.00018183	0.00018183	blue
0.751186	0.7147353	0.01270851	0.1849179	0.978743	0.2204323	7.36E-12	7.36E-12	yellow
0.3944685	0.3940154	0.1903937	0.2780684	0.282718	0.6690586	2.30E-06	2.30E-06	grey
0.5567577	0.01853197	0.2875455	0.938886	0.2285296	0.718259	0.7969894	0.7969894	grey
0.3166929	0.7707768	0.321923	0.846117	0.3305743	0.1935356	0.6984834	0.6984834	blue
0.9412337	0.04115233	0.3549403	0.9937032	0.5324918	0.2322011	0.2868161	0.2868161	blue
0.762431	0.4804088	0.3753221	0.8360426	0.626628	0.6485273	0.6892072	0.6892072	grey
0.03160835	0.7691032	0.2685942	0.5686964	0.3057704	0.7974616	0.2825103	0.2825103	grey

0.240292	0.00586203	0.1292101	0.0612099	0.9489432	0.1797035	0.06560413	0.06560413	brown
0.1606903	0.6242844	0.00681447	0.3397487	0.9554013	0.3378699	0.2932126	0.2932126	turquoise
0.4450614	0.6172381	0.1496015	0.7406679	0.4200031	0.299194	0.9789363	0.9789363	turquoise
0.3709068	0.1313659	0.7021259	0.8885492	0.416817	0.6785881	0.00010209	0.00010209	grey
0.7158449	0.6017883	0.01710534	0.6696914	0.8451654	0.4165831	0.00764873	0.00764873	turquoise
0.3131019	0.2853091	0.2064353	0.3721455	0.7394067	0.02487356	0.00324279	0.00324279	blue
0.4802032	0.7805777	0.05292918	0.3938992	0.9916061	0.1121813	2.95E-06	2.95E-06	green
0.04364486	0.2023427	0.5951534	0.3449358	0.3494476	0.744736	0.078422	0.078422	grey
0.3453671	0.00377349	0.2902913	0.073557	0.8598615	0.4263834	0.000931	0.000931	blue
0.8825874	0.1598691	0.3417008	0.5132682	0.4573313	0.2001351	6.43E-06	6.43E-06	grey
0.5265298	0.8989367	0.6948899	0.5346804	0.6685755	0.3787711	0.5581436	0.5581436	turquoise
0.3820038	0.1506702	0.09217538	0.5330783	0.7163663	0.2909556	1.23E-07	1.23E-07	blue
0.2015319	0.2885702	0.05620782	0.2291743	0.116283	0.2428912	0.6129245	0.6129245	grey
0.4388405	0.07351924	0.3029256	0.4189683	0.7477874	0.1261518	2.20E-05	2.20E-05	blue
0.1134536	0.5631333	0.4290143	0.1693977	0.4081239	0.3565231	0.3308301	0.3308301	grey
0.6786345	0.2624977	0.3735498	0.8377693	0.7078232	0.2236981	1.99E-05	1.99E-05	grey
0.1829071	0.06851711	0.4087461	0.5359309	0.4890941	0.9465051	0.6663824	0.6663824	grey
0.6125813	0.876097	0.7664622	0.5728355	0.615502	0.5693081	0.7797033	0.7797033	red
0.9491823	0.07459954	0.00265756	0.2635579	0.3520696	0.612192	2.53E-23	2.53E-23	yellow
0.1172964	0.05317999	0.1419545	0.9269233	0.6738197	0.3877281	0.00170895	0.00170895	turquoise
0.6768305	0.00484833	0.03108399	0.4112142	0.5954422	0.6950934	1.06E-09	1.06E-09	brown
0.7749641	0.00170582	0.01412218	0.0386151	0.9957246	0.4664402	4.57E-20	4.57E-20	yellow
0.1266151	0.4517045	0.2052875	0.0558475	0.875035	0.1030888	0.1966125	0.1966125	lightgreen
0.7018454	0.06986471	0.2338195	0.6359563	0.00842455	0.5778576	0.01414379	0.01414379	blue
0.275269	0.0416051	0.861343	0.9039506	0.8428118	0.9808411	0.5625174	0.5625174	blue
0.2104467	0.4704587	0.7095368	0.3520473	0.9858853	0.9011485	0.4780152	0.4780152	lightcyan
0.7623548	0.107567	0.3333302	0.6629759	0.7292463	0.1384277	7.74E-10	7.74E-10	blue
0.1535537	0.8262806	0.5421329	0.8575229	0.483162	0.837874	0.2684215	0.2684215	grey
0.00059465	0.1160289	0.4914268	0.6334966	0.4258619	0.7355996	0.2058851	0.2058851	grey
0.5508485	0.9570791	0.00855742	0.0491391	0.4738868	0.1214041	2.87E-06	2.87E-06	green
0.3608561	0.00657478	0.8095796	0.8050804	0.7564602	0.812204	0.6419447	0.6419447	greenyellow
0.8003501	0.01782505	0.07728016	0.1564653	0.4511355	0.2003276	4.69E-09	4.69E-09	turquoise
0.05534298	0.8265656	0.1779952	0.6317455	0.1277931	0.8297505	0.8585669	0.8585669	turquoise
0.6645351	0.00341082	0.0021222	0.3376993	0.7763812	0.7469484	1.25E-17	1.25E-17	brown
0.770286	0.6662268	0.2735345	0.0914801	0.5332388	0.4644792	0.1588537	0.1588537	blue
0.8041114	0.00050232	0.05782112	0.9168209	0.7923992	0.2778314	0.02775129	0.02775129	grey
0.2341548	0.00164958	0.07489591	0.4004582	0.5626137	0.1622722	0.00619113	0.00619113	yellow
0.8342711	0.4642255	0.00165161	0.1125308	0.1489631	0.0272892	0.00160693	0.00160693	green
0.3351202	0.5639171	0.6266427	0.6525025	0.190197	0.4753551	0.5781987	0.5781987	midnightblue
0.1692728	0.8606388	0.0244521	0.0570831	0.6777385	0.08069085	0.5784685	0.5784685	lightcyan
0.712906	0.00783639	0.1142563	0.5481036	0.3414493	0.1503078	3.06E-05	3.06E-05	turquoise
0.9264968	0.02165595	0.08552878	0.5563989	0.952891	0.4120489	1.79E-08	1.79E-08	brown
0.1255448	0.05980128	0.382113	0.3693037	0.8689711	0.8245364	0.01640914	0.01640914	turquoise
0.4570707	0.5247668	0.4684449	0.8697622	0.9757983	0.649649	0.9207632	0.9207632	darkgrey
0.5304414	0.3613299	0.1195164	0.6904673	0.9973579	0.1501012	0.2412243	0.2412243	green
0.02284013	0.8294523	0.3105198	0.4500364	0.680794	0.491008	0.00479954	0.00479954	grey
0.9526532	0.1950238	0.618969	0.9131282	0.6463332	0.9995189	0.02603	0.02603	blue
0.6101921	0.0254829	0.1747654	0.8720048	0.8066417	0.1561801	0.01477296	0.01477296	grey
0.1828661	0.5590487	0.1935823	0.1161502	0.6604437	0.08167448	0.1988034	0.1988034	turquoise
0.8535286	0.6771546	0.3611782	0.2634427	0.7770924	0.9396828	0.3882613	0.3882613	black
0.3664954	0.7958298	0.7882152	0.2320227	0.7406871	0.4499941	0.00284048	0.00284048	grey
0.04887321	0.00590425	0.7576256	0.5590642	0.6151589	0.5360323	1.96E-06	1.96E-06	grey
0.233225	0.04631641	0.7126	0.4635756	0.5426552	0.8151185	0.0001094	0.0001094	blue
0.3544064	0.1790671	0.01011157	0.0329551	0.4252358	0.1054077	0.00185308	0.00185308	brown
0.5007293	0.04814226	0.02560774	0.5017519	0.7348109	0.7734855	3.13E-08	3.13E-08	brown
0.1645459	0.4591865	0.8806569	0.2348338	0.5007826	0.2017622	0.00188946	0.00188946	grey
0.01976918	0.6024447	0.6434609	0.6334663	0.4447385	0.05322534	1.43E-06	1.43E-06	turquoise
0.8317224	0.9250724	0.2415082	0.1892339	0.6591284	0.0998486	0.00368737	0.00368737	blue
0.01271211	0.09512036	0.9397745	0.5695296	0.8509674	0.212591	0.00626477	0.00626477	blue
0.2070945	0.1385743	0.1897514	0.0044982	0.9945248	0.3492678	0.00050505	0.00050505	blue
0.2308981	0.7370381	0.5351257	0.3092854	0.8524658	0.7081916	0.9839548	0.9839548	turquoise

0.8653549	0.09971922	0.2113649	0.1402656	0.9473161	0.1646639	0.00052122	0.00052122	turquoise
0.8100144	0.193421	0.4241566	0.4081109	0.9972398	0.06170936	0.9219475	0.9219475	turquoise
0.1751613	0.4321191	0.01329619	0.4832948	0.6718028	0.1320787	0.00151949	0.00151949	grey
0.9068691	0.01274125	0.6126886	0.7393323	0.604522	0.9658303	3.29E-08	3.29E-08	blue
0.7434474	0.00465096	0.02519424	0.1845953	0.8850131	0.633876	1.43E-28	1.43E-28	yellow
0.2466919	0.7015341	0.00290063	0.4891675	0.6649276	0.1425347	0.2386946	0.2386946	pink
0.3731853	0.273708	0.0001438	0.7465926	0.5804612	0.6944339	0.00111302	0.00111302	turquoise
0.1055253	0.1108459	0.3869004	0.4899891	0.08582158	0.5688121	0.416923	0.416923	turquoise
0.3660148	0.3692347	0.3981429	0.516093	0.5799908	0.3991583	0.3233527	0.3233527	red
0.1232787	0.1111907	0.7784906	0.0487062	0.9884538	0.196933	0.2388255	0.2388255	grey
0.6505477	0.1739262	0.09421072	0.3307191	0.9102553	0.03279279	0.7528405	0.7528405	white
0.7885141	0.9163172	0.7305575	0.1310137	0.6367328	0.5860648	0.7590117	0.7590117	turquoise
0.7771501	0.3877631	0.2681249	0.6161778	0.2957036	0.4468796	0.01970218	0.01970218	grey
0.5368676	0.3930281	0.3403121	0.6692143	0.8390143	0.4641005	0.02788957	0.02788957	grey60
0.172042	0.6906584	0.303008	0.8473995	0.7760952	0.3869382	0.2795767	0.2795767	red
0.5960342	0.3226678	0.00082785	0.1718351	0.581616	0.590639	0.6727124	0.6727124	grey
0.7670979	0.6159113	0.005427	0.1382055	0.5599385	0.2520015	0.1850644	0.1850644	pink
0.2124547	0.1999842	0.03485879	0.3693106	0.1923776	0.125372	0.00013187	0.00013187	turquoise
0.2642505	0.03890596	0.0488379	0.4309746	0.7433559	0.2797796	0.00279283	0.00279283	blue
0.4166663	0.00520275	0.1256591	0.0280203	0.4149305	0.3591713	8.33E-07	8.33E-07	grey
0.06363968	0.7371455	0.00842862	0.0816723	0.1339798	0.00959152	6.11E-06	6.11E-06	blue
0.4064194	0.1379632	0.9763561	0.063128	0.8762766	0.7306323	0.1231536	0.1231536	blue
0.423047	0.02180368	0.07751241	0.1987332	0.2052973	0.7817606	0.06419906	0.06419906	grey
0.6287214	0.9872971	0.1122133	0.592714	0.5324654	0.4046501	0.5943837	0.5943837	turquoise
0.9225648	5.04E-06	0.0218853	0.5758436	0.7868876	0.9873905	2.61E-31	2.61E-31	yellow
0.3150961	0.5914415	0.1510171	0.6597185	0.1168367	0.8376355	0.3946078	0.3946078	grey
0.6160722	0.08899158	0.9584134	0.8934386	0.8126715	0.9927567	5.49E-06	5.49E-06	blue
0.6256641	0.9310794	0.10615	0.646385	0.6074146	0.2515204	0.06542682	0.06542682	cyan
0.01376981	0.02013892	0.03037666	0.1442368	0.626747	0.08810286	0.00290946	0.00290946	blue
0.132793	0.1018459	0.1921203	0.1454553	0.4557378	0.2188375	0.00010532	0.00010532	turquoise
0.4892078	0.06910242	0.00133514	0.2833041	0.07862511	0.9727489	7.07E-05	7.07E-05	grey
0.9320395	0.9375256	0.9802258	0.4508994	0.3385822	0.5131672	0.20512	0.20512	grey
0.5393235	0.121977	0.5444348	0.1693744	0.7052086	0.8867015	0.00245243	0.00245243	grey
0.8558678	0.03360625	0.4200157	0.0646756	0.1311263	0.3361211	3.56E-09	3.56E-09	brown
0.8505561	0.9048456	0.6233904	0.0540746	0.2075872	0.3635157	0.00427324	0.00427324	turquoise
0.5647301	0.7025926	0.5513598	0.2156421	0.5170171	0.1473215	0.00064922	0.00064922	purple
0.8924629	0.5670822	0.02628032	0.3156254	0.8473157	0.90289	7.59E-07	7.59E-07	grey
0.8814078	0.2224999	0.0001725	0.3483394	0.5488293	0.1245021	2.84E-07	2.84E-07	blue
0.0316334	0.661447	0.1449899	0.6748439	0.8247371	0.9568904	0.8888136	0.8888136	grey
0.2152249	0.00093549	0.638564	0.8922219	0.5386605	0.8263024	0.00077326	0.00077326	brown
0.4057552	0.3025215	0.7212388	0.8569379	0.1849327	0.3484918	0.04410767	0.04410767	turquoise
0.7232251	0.7802656	0.6663592	0.4318936	0.507977	0.302167	0.5919297	0.5919297	grey
0.1717006	0.2411873	0.8063135	0.0988753	0.7357451	0.5284614	0.00433972	0.00433972	grey
0.4991002	0.2521981	5.36E-05	0.0960472	0.6665677	0.0074248	0.01690288	0.01690288	turquoise
0.8792645	0.00270963	0.6632993	0.4560619	0.7252792	0.6733946	0.00094138	0.00094138	grey
0.2528635	0.115313	0.07419319	0.9119162	0.1519116	0.2907851	9.74E-05	9.74E-05	turquoise
0.6945799	0.1058375	0.4499497	0.9811312	0.499939	0.5024564	1.02E-05	1.02E-05	turquoise
0.9156351	0.5025387	0.08957517	0.6428972	0.9646771	0.8944872	0.3751678	0.3751678	purple
0.4248831	0.7144341	0.9028	0.5697674	0.1304344	0.8657821	0.03361227	0.03361227	turquoise
0.5241531	0.6450742	0.0052729	0.338263	0.9951622	0.01864751	0.2456656	0.2456656	turquoise
0.8438032	0.4664478	0.00022816	0.1298007	0.4929948	0.3744588	1.57E-05	1.57E-05	yellow
0.1489901	0.633678	0.1258883	0.0644242	0.7576142	0.0257543	0.6927114	0.6927114	turquoise
0.2527007	0.887217	0.00263719	0.6475381	0.2626012	0.2044374	0.04705136	0.04705136	grey
0.3558095	0.8357164	0.6639646	0.6703847	0.6326506	0.2416174	0.6038934	0.6038934	turquoise
0.8919499	0.7129078	0.0055273	0.4679814	0.5143071	0.0800361	0.5177823	0.5177823	turquoise
0.9189026	0.2999659	0.6592559	0.9727702	0.08408102	0.7655612	0.00091878	0.00091878	blue
0.1724149	0.2479085	0.4858691	0.9169519	0.5584855	0.5418857	0.1059618	0.1059618	magenta
0.3673822	0.3627865	0.3172169	0.2069761	0.1715436	0.312322	0.01489919	0.01489919	grey
0.9714136	0.399815	0.00676039	0.0597579	0.7101675	0.01025923	0.02788747	0.02788747	turquoise
0.2125831	0.2634451	0.7253154	0.875589	0.8848746	0.3394107	0.00733911	0.00733911	turquoise
0.934595	0.00014877	0.04535706	0.3233748	0.2221827	0.2529476	1.93E-09	1.93E-09	brown

0.6427839	0.0110763	0.1253228	0.31272	0.5315494	0.9903044	1.78E-14	1.78E-14	brown
0.3155269	0.2178177	0.9688746	0.4730137	0.2261022	0.6766837	0.4422373	0.4422373	cyan
0.00176663	0.4113147	0.2636368	0.9474827	0.6972514	0.4337256	1.30E-05	1.30E-05	pink
0.2902547	0.3118503	0.6934219	0.3001219	0.6771508	0.2622822	0.00399892	0.00399892	grey
0.1034922	0.05223641	0.8752083	0.6140776	0.3332706	0.9412481	0.07360223	0.07360223	lightgreen
0.05912129	0.01190146	0.13013	0.7387384	0.08232354	0.7180928	0.00018886	0.00018886	grey
0.2104343	0.2961058	0.6566163	0.7360652	0.686274	0.3432992	0.00011843	0.00011843	turquoise
0.14979	0.00047057	0.3549019	0.6077816	0.9209586	0.9743102	2.04E-11	2.04E-11	brown
0.5162607	0.7768847	0.4746656	0.1046571	0.9722895	0.6234363	0.3887012	0.3887012	grey
0.7696246	0.1565749	0.1126796	0.7224922	0.9005008	0.1093635	0.2619605	0.2619605	turquoise
0.07307349	0.5836648	0.3843687	0.3188542	0.9140731	0.1222711	0.1172098	0.1172098	grey
0.01292123	0.5320612	0.8232821	0.1767705	0.4579613	0.9029432	0.00405411	0.00405411	red
0.6944203	0.5973046	0.00090712	0.1029624	0.6127948	0.09042424	0.8057107	0.8057107	grey
0.4801726	0.650526	0.9900778	0.8336801	0.473455	0.3739728	0.8042348	0.8042348	grey
0.8138408	0.2526419	0.6210167	0.3267269	0.7637017	0.6168592	0.00035153	0.00035153	blue
0.01326433	0.7862519	0.1414417	0.4435279	0.8542419	0.4746219	0.1588172	0.1588172	black
0.6429509	0.6643451	0.9514268	0.8960448	0.2437837	0.3977814	0.7924067	0.7924067	turquoise
0.9393006	0.934858	0.5741796	0.4975354	0.8944185	0.1921346	0.1726293	0.1726293	grey
0.6668694	0.1218607	0.00370192	0.0980848	0.5707411	0.2175419	6.37E-12	6.37E-12	yellow
0.5966433	0.00050388	0.0002203	0.0149031	0.5159717	0.03001478	0.00065346	0.00065346	grey60
0.05029534	0.7259639	0.08547053	0.3652194	0.1637878	0.1816115	0.07158513	0.07158513	turquoise
0.9547061	0.0345835	0.1508838	0.0184013	0.4580051	0.8902917	2.66E-06	2.66E-06	blue
0.78372	0.1496268	0.00153095	0.0373799	0.6339432	0.00432766	0.00028731	0.00028731	turquoise
0.7113494	0.5455624	0.05382015	0.7951028	0.8388109	0.5873998	0.5306818	0.5306818	turquoise
0.5172112	0.3455387	0.0012659	0.2906229	0.9008778	0.04545303	0.02545032	0.02545032	turquoise
0.2433906	0.8525603	0.9041597	0.4080348	0.02603563	0.1144039	0.6067763	0.6067763	salmon
0.3130421	0.5044257	0.3261747	0.5807586	0.9932247	0.2059524	0.6706605	0.6706605	red
0.7649816	0.07563595	0.01850593	0.4621792	0.8350783	0.6568131	6.89E-12	6.89E-12	brown
0.8963062	0.05639296	0.00245011	0.7306878	0.8836909	0.132496	0.00416306	0.00416306	turquoise
0.6487379	0.8736066	0.2168297	0.9714389	0.4622631	0.06244616	0.7082597	0.7082597	blue
0.7855285	0.2069994	0.00010797	0.0659264	0.2115221	0.2517309	2.22E-11	2.22E-11	magenta
0.4012812	0.01837719	0.01315167	0.6204627	0.7603811	0.3952558	1.78E-13	1.78E-13	brown
0.468284	0.5534513	0.01257923	0.4055444	0.862615	0.2538813	0.7370497	0.7370497	turquoise
0.4156109	0.4007756	0.02224494	0.3725353	0.6514318	0.3597433	0.3857566	0.3857566	magenta
0.901695	0.5107029	0.3241174	0.3524882	0.8128334	0.2734648	0.505224	0.505224	grey
0.8849174	0.0420739	0.1787983	0.9201802	0.6120799	0.9929107	7.34E-07	7.34E-07	grey
0.4862941	0.5047175	0.2907999	0.3202324	0.6254651	0.2654904	0.2801153	0.2801153	orange
0.2871654	0.4231241	0.09018328	0.1251426	0.4080119	0.07845533	0.00348854	0.00348854	turquoise
0.1489238	0.2647224	0.00650974	0.4932229	0.7165123	0.1226522	0.5557769	0.5557769	turquoise
0.9524883	0.8337798	0.9781465	0.0759456	0.7404562	0.653522	0.00011788	0.00011788	turquoise
0.3500552	0.9046734	0.3064803	0.9841924	0.9274892	0.1435864	0.7291292	0.7291292	turquoise
0.9511319	0.1951501	0.1361297	0.9054384	0.6395458	0.2078423	0.00068917	0.00068917	blue
0.5032036	0.7776961	0.92433	0.4189071	0.634742	0.5228492	0.7020498	0.7020498	grey
0.8134488	0.142489	0.07947441	0.1354582	0.3627459	0.7652489	1.82E-06	1.82E-06	turquoise
0.8658757	0.03004745	0.1112868	0.3012414	0.7330724	0.4873606	3.75E-06	3.75E-06	red
0.289483	0.2534771	0.4330789	0.2760854	0.2161105	0.5182539	0.00622567	0.00622567	blue
0.4735708	0.03174736	0.3668565	0.7781127	0.5378561	0.3193801	0.00076089	0.00076089	grey
0.9898871	0.162141	0.05961198	0.1975508	0.4253485	0.2286087	0.6236525	0.6236525	grey
0.03409378	0.00146245	0.08551912	0.0771315	0.5041032	0.00431459	2.93E-07	2.93E-07	blue
0.5061513	0.3685046	0.2716078	0.6286372	0.4184738	0.5064017	0.3914234	0.3914234	grey
0.3453536	0.1668477	0.5031412	0.3525427	0.8172908	0.5471176	0.2657759	0.2657759	grey
0.07704396	0.6719418	0.1012755	0.4254804	0.3578798	0.9940089	0.552027	0.552027	turquoise
0.7598485	0.6296991	0.5711416	0.5822261	0.5493158	0.6380298	1.18E-05	1.18E-05	grey
0.3048195	0.484824	0.1014835	0.5367108	0.2310881	0.5295436	0.5556644	0.5556644	turquoise
0.2924142	0.1844572	0.464975	0.5737135	0.2984025	0.8175409	0.07981261	0.07981261	grey
0.7052867	0.02283305	5.15E-05	0.0543597	0.4030188	0.9009267	1.33E-32	1.33E-32	yellow
0.4266802	0.03627593	0.0817286	0.5221506	0.7809205	0.5685959	1.38E-14	1.38E-14	brown
0.9766112	0.9131837	0.517078	0.6700887	0.9194377	0.9208821	0.6107606	0.6107606	grey
0.04925649	0.4897678	0.7304359	0.1985952	0.7401021	0.9291784	0.00978538	0.00978538	turquoise
0.8548987	0.1069675	0.8804409	0.3419481	0.9906506	0.4171986	0.1363756	0.1363756	grey
0.1560272	0.3231009	0.00034255	0.2830605	0.8061418	0.09950621	4.06E-26	4.06E-26	yellow

0.2099142	0.00038162	0.01345196	0.9737513	0.9602319	0.8204418	2.83E-07	2.83E-07	brown
0.2838635	0.2373155	0.5878931	0.9654441	0.1019831	0.16864	0.2073326	0.2073326	grey
0.3298768	0.00854273	0.5526979	0.5757177	0.5401812	0.4533925	7.03E-05	7.03E-05	green
0.2493365	0.8103003	0.8486607	0.5739474	0.05473698	0.4991914	0.6412467	0.6412467	turquoise
0.09444183	0.7544996	0.00439025	0.0625721	0.5159956	0.00786227	0.0953711	0.0953711	turquoise
0.0441598	0.00974578	0.7057411	0.2915292	0.7444997	0.1728492	0.00016356	0.00016356	turquoise
0.2452447	0.2426431	0.1400753	0.0390414	0.8909216	0.06437034	0.00020835	0.00020835	turquoise
0.4431069	0.3311659	0.2535032	0.5713195	0.7438048	0.3142011	0.00089447	0.00089447	blue
0.3130864	0.463776	0.9251752	0.9343645	0.6196052	0.8354193	0.5051141	0.5051141	grey
0.9880126	0.9829088	0.3775159	0.8995146	0.7775602	0.1851276	0.8904596	0.8904596	grey
0.3448649	0.02135557	0.1059036	0.8606439	0.7997859	0.9698067	0.00868077	0.00868077	turquoise
0.2095033	0.3037849	0.3235582	0.186629	0.7109703	0.7439933	0.7731503	0.7731503	grey
0.9065448	0.4744674	0.142009	0.1557731	0.5692509	0.1888245	0.3907121	0.3907121	turquoise
0.6796139	0.1503475	0.02675272	0.5234142	0.620591	0.1961265	0.03072864	0.03072864	turquoise
0.8207759	0.7803221	0.1270038	0.4825065	0.1042398	0.2621462	3.09E-05	3.09E-05	turquoise
0.364549	0.6546707	0.00173562	0.295402	0.9879499	0.00712555	0.3094668	0.3094668	turquoise
0.22383	0.359581	0.00944027	0.5775443	0.8589859	0.3250286	0.00021097	0.00021097	brown
0.3425501	0.39217	0.7039274	0.9270024	0.7786885	0.7892676	0.05108709	0.05108709	white
0.3050572	0.4946085	0.8602378	0.6524772	0.6386089	0.813087	1.05E-05	1.05E-05	blue
0.4242896	0.2602743	0.7149764	0.0454703	0.9809906	0.06089985	0.1272481	0.1272481	turquoise
0.441709	0.2252769	0.03627855	0.6190189	0.5242457	0.9427512	1.19E-05	1.19E-05	magenta
0.6109152	0.14347	0.00448496	0.0641346	0.9087514	0.1114863	0.1118958	0.1118958	turquoise
0.5925682	0.1348291	0.1701304	0.7416156	0.5913545	0.564231	9.33E-07	9.33E-07	grey
0.2859366	0.5181422	0.4285	0.3167656	0.6076505	0.1892592	0.5867366	0.5867366	grey
0.3399008	0.3638157	0.137981	0.4768528	0.6978775	0.3659152	0.5243376	0.5243376	turquoise
0.2337173	0.2755962	0.08472686	0.1553857	0.1673947	0.735044	0.0824568	0.0824568	brown
0.8603238	0.2173646	0.00808745	0.1542371	0.2394276	0.03522281	0.1883365	0.1883365	turquoise
0.09159508	0.5033018	0.6277651	0.6857246	0.5230484	0.9608757	0.03309959	0.03309959	turquoise
0.3246104	0.01067092	0.01527864	0.9999481	0.7850815	0.4744373	5.11E-21	5.11E-21	brown
0.1169912	0.740582	0.8905071	0.2309597	0.4598029	0.4664632	0.6038664	0.6038664	grey
0.7496605	0.3932882	0.00078127	0.3966803	0.892519	0.07744173	0.2904128	0.2904128	green
0.3801711	0.2604322	0.6818676	0.9527134	0.9369378	0.4270791	0.1018079	0.1018079	blue
0.3155456	0.9701399	1.36E-05	0.0360406	0.428568	0.2029993	0.00441433	0.00441433	grey
0.2935185	0.00609709	0.1175536	0.4356931	0.2636317	0.7336205	5.78E-07	5.78E-07	green
0.05276256	0.9418024	0.3206976	0.5268412	0.2167235	0.6512541	0.1248659	0.1248659	grey
0.6663858	0.5242956	1.78E-05	0.0142419	0.6779517	0.1319952	7.49E-08	7.49E-08	grey
0.592492	0.9510941	0.01788811	0.0462732	0.5520744	0.6136484	4.37E-10	4.37E-10	yellow
0.4236219	0.6926908	0.00073551	0.7519706	0.7301708	0.1084192	0.0134556	0.0134556	tan
0.87502	0.3890719	0.1660096	0.820446	0.8122663	0.5924003	0.00490809	0.00490809	turquoise
0.5609603	0.7453151	0.5988692	0.347586	0.9342986	0.2794562	0.00010022	0.00010022	brown
0.02179566	0.8775986	0.7115869	0.6641104	0.171761	0.5670824	0.8152916	0.8152916	turquoise
0.6050777	0.1891181	0.1262528	0.9204859	0.1219726	0.1497864	0.5680956	0.5680956	turquoise
0.9664625	0.01383812	0.00164162	0.0147905	0.7074006	0.05939372	2.52E-06	2.52E-06	brown
0.7640309	0.02295114	0.1521677	0.5324214	0.5850072	0.2269588	6.08E-05	6.08E-05	blue
0.1913121	0.9980054	0.00656591	0.0331038	0.4624789	0.0476709	0.4435027	0.4435027	pink
0.4935225	0.01643118	0.05833918	0.2472997	0.2570141	0.8476556	1.83E-15	1.83E-15	brown
0.5332848	0.6726429	0.02237507	0.5143138	0.9046489	0.638064	3.70E-13	3.70E-13	brown
0.2315099	0.5411738	0.6914848	0.2803264	0.00555278	0.1858788	0.5167096	0.5167096	grey
0.04056554	0.4927216	0.1751713	0.37939	0.9821983	0.04363154	0.991715	0.991715	black
0.8762432	0.5873871	0.4696033	0.7537419	0.5841543	0.2034016	0.8353426	0.8353426	turquoise
0.05909801	0.3436044	0.01846541	0.8161736	0.2736589	0.8397489	0.03602373	0.03602373	turquoise
0.03919849	0.1394973	0.92786	0.2163627	0.4374622	0.3867143	0.01235242	0.01235242	turquoise
0.6868795	0.00051662	0.01578385	0.3500765	0.7017527	0.6741747	6.87E-27	6.87E-27	yellow
0.7991341	0.1877151	0.00163753	0.0772562	0.6314166	0.03594512	0.03291164	0.03291164	turquoise
0.7451306	0.1437126	0.1204481	0.5093842	0.3691623	0.4569586	7.46E-06	7.46E-06	turquoise
0.2107652	0.7362263	0.1432623	0.0594	0.4507992	0.5047796	0.87526	0.87526	turquoise
0.8219335	0.05167375	0.08144179	0.66259	0.8629949	0.6726131	1.14E-18	1.14E-18	yellow
0.6214656	0.5242575	0.06180731	0.302053	0.3054027	0.3345309	0.00033683	0.00033683	grey
0.8493402	5.64E-06	0.7369697	0.4480402	0.821749	0.6020648	2.23E-07	2.23E-07	grey
0.2275018	0.3536526	0.00499924	0.0540833	0.2685098	0.06667233	1.27E-06	1.27E-06	yellow
0.3391669	0.9762278	0.8943991	0.646049	0.6442011	0.606556	0.3430437	0.3430437	red

0.07328513	0.2974221	0.3141413	0.7791138	0.9453824	0.3659255	0.6433975	0.6433975	pink
0.8276642	0.8016525	0.9667446	0.6838015	0.00020665	0.8700214	0.3561512	0.3561512	grey
0.5404835	0.5807598	0.04280071	0.4068364	0.7969874	0.4498076	0.03253913	0.03253913	grey
0.5592451	0.9403823	0.790139	0.7772621	0.4882685	0.7901241	0.05941612	0.05941612	turquoise
0.8341598	0.8691319	0.1460069	0.4372792	0.7726308	0.1980582	0.2352632	0.2352632	grey
0.2513137	0.91194	0.2467769	0.0827996	0.3511461	0.9020371	0.9660217	0.9660217	grey
0.8591231	0.1774604	0.03940621	0.9715486	0.3739114	0.6769942	0.4404588	0.4404588	grey
0.5258877	0.4840527	0.9106969	0.4618068	0.2883571	0.3407078	0.5782547	0.5782547	black
0.5612644	0.01008294	0.6055594	0.1762996	0.3506051	0.3649818	2.61E-08	2.61E-08	salmon
0.5360307	0.03753735	0.1481364	0.7864175	0.155468	0.7635659	0.7695387	0.7695387	grey
0.4581485	0.8511064	0.00160068	0.0542281	0.9611026	0.03443679	0.4528663	0.4528663	turquoise
0.3355738	0.5152338	0.104783	0.598253	0.8815919	0.6594431	0.1460627	0.1460627	turquoise
0.1395211	0.313007	0.6973538	0.945134	0.2722831	0.3370057	0.1227046	0.1227046	grey
0.6525062	0.7089949	0.9038294	0.1137659	0.2277668	0.02541841	0.02804192	0.02804192	grey
0.2090354	0.5771017	0.2570772	0.7124212	0.1918383	0.8276613	0.7451919	0.7451919	grey
0.274005	0.037074	0.1438454	0.9840512	0.1481271	0.1459631	0.9723741	0.9723741	grey
0.5711646	0.7408628	0.04243035	0.0577928	0.4830147	0.2769398	0.720235	0.720235	blue
0.04507468	0.3698094	0.2704363	0.2388291	0.7198557	0.1197945	0.2954434	0.2954434	white
0.3572634	0.7875709	0.5065539	0.0303975	0.8007565	0.5114157	0.6889415	0.6889415	greenyellow
0.4343163	0.4124107	0.6308356	0.680521	0.2042054	0.7483539	0.00234737	0.00234737	grey
0.3721365	0.01931157	0.04245973	0.6275121	0.2390289	0.8318499	0.4397294	0.4397294	grey
0.3716386	0.2926562	0.08059456	0.950887	0.7966728	0.08958966	0.9553789	0.9553789	blue
0.6876253	0.1026818	0.1914912	0.0783219	0.6522354	0.1387309	0.5084965	0.5084965	lightcyan
0.2532484	0.6491341	0.4841311	0.0069445	0.8251434	0.4344878	0.5089829	0.5089829	blue
0.8772968	0.8884376	0.4143886	0.5298188	0.6033996	0.7980277	0.7612832	0.7612832	blue
0.07443745	0.2304189	0.08480731	0.8679777	0.9731434	0.3312267	0.00407754	0.00407754	greenyellow
0.5971103	0.1358004	0.6696222	0.3969503	0.8539401	0.4257286	7.17E-07	7.17E-07	brown
0.7238615	0.6278128	0.00492558	0.0245334	0.9879544	0.00519696	0.4489067	0.4489067	white
0.7609506	0.4651949	0.1446038	0.6754386	0.4104973	0.3961586	4.42E-11	4.42E-11	yellow
0.8809779	0.9477206	0.00443704	0.3505243	0.9300039	0.03075777	0.0665744	0.0665744	turquoise
0.3463843	0.08851588	0.00865473	0.246912	0.9868636	0.4359203	2.12E-09	2.12E-09	brown
0.4644113	7.66E-05	0.7638341	0.6946494	0.2805434	0.8915361	0.1305222	0.1305222	greenyellow
0.9850121	0.5141869	0.7500232	0.7100432	0.2923591	0.7724162	0.2881666	0.2881666	darkturquoise
0.08573621	0.6047817	0.2599133	0.7188555	0.6435062	0.4536912	0.01672462	0.01672462	brown
0.4097573	0.6765007	1.48E-05	0.0234278	0.7433287	0.02726833	0.6678028	0.6678028	green
0.2217618	0.6176139	0.2972912	0.6981552	0.8099665	0.4088236	0.07888865	0.07888865	red
0.8574646	0.01360742	0.3097744	0.5985974	0.3420757	0.3602591	2.85E-16	2.85E-16	yellow
0.6571177	0.04409268	0.0803704	0.8954983	0.629886	0.7406843	4.22E-14	4.22E-14	brown
0.8258732	0.2804725	0.5507859	0.6853701	0.8334753	0.9830086	0.07217262	0.07217262	turquoise
0.3500372	0.3673607	0.68774	0.3594549	0.4391855	0.6216138	0.4004823	0.4004823	turquoise
0.2057147	0.7209961	0.137394	0.6438357	0.9977762	0.6393401	2.01E-05	2.01E-05	grey
0.2286374	0.9709069	0.07420619	0.0932215	0.1073885	0.5461641	0.2369714	0.2369714	grey
0.375173	0.07107551	0.1599381	0.7797428	0.950951	0.4445228	8.27E-06	8.27E-06	turquoise
0.3850951	0.00179513	0.4706305	0.5382654	0.6734952	0.6686387	5.37E-07	5.37E-07	grey
0.07837073	0.6483262	0.733201	0.3531789	0.4803017	0.2046953	0.07672877	0.07672877	turquoise
0.7695983	0.5507139	0.00321064	0.0240656	0.5974816	0.9844475	1.13E-06	1.13E-06	brown
0.0143367	0.9756495	0.08929843	0.8770996	0.2529648	0.7799516	0.1075722	0.1075722	grey
0.589191	0.6551482	0.5578598	0.178417	0.9866403	0.09989671	0.0030961	0.0030961	purple
0.6179158	0.3310104	0.8122877	0.8836034	0.849968	0.6861775	0.01059463	0.01059463	pink
0.03878902	0.2711392	0.5361575	0.6786579	0.00437677	0.9720024	0.00057506	0.00057506	grey
0.06456882	0.7098371	0.2467401	0.2159832	0.3428435	0.09031809	0.05680696	0.05680696	turquoise
0.4571235	0.0301546	0.4278517	0.529923	0.1444493	0.1095156	0.00997983	0.00997983	grey
0.5352462	0.07554279	0.00877945	0.328154	0.6911459	0.4679804	1.13E-05	1.13E-05	grey
0.163541	0.2345129	0.02265234	0.1322406	0.6584359	0.1330367	0.00239796	0.00239796	turquoise
0.8476951	0.7110731	0.7156697	0.3946272	0.6449765	0.6080639	0.2909872	0.2909872	grey
0.9451032	0.05667184	0.07641642	0.0640537	0.4583779	0.1735127	0.2241385	0.2241385	turquoise
0.9225382	0.0008419	0.08255758	0.6014376	0.7461299	0.4657193	7.43E-25	7.43E-25	brown
0.2342063	0.107552	0.1550419	0.2710641	0.2415356	0.6974066	0.4702973	0.4702973	grey
0.3085913	0.1256116	0.00312404	0.3180121	0.4644684	0.1506953	2.59E-12	2.59E-12	turquoise
0.3838669	0.1334448	0.3101368	0.8523187	0.1425233	0.5065286	0.4937496	0.4937496	turquoise
0.1159433	0.1238594	0.7143608	0.8065404	0.3701872	0.6739266	0.7910695	0.7910695	grey

0.8315125	0.06578069	0.08449527	0.7469417	0.9251371	0.436461	5.86E-10	5.86E-10	green
0.4650978	0.17659	0.9744671	0.6106964	0.2485729	0.6995491	0.7879071	0.7879071	blue
0.5208501	0.4264502	0.01179314	0.5230192	0.6730777	0.4113635	0.02896711	0.02896711	grey
0.8501841	0.4554249	0.1312153	0.8646208	0.8140706	0.689224	0.03628401	0.03628401	black
0.5040209	0.02904669	0.04108582	0.3532478	0.3597433	0.6311948	0.00498342	0.00498342	grey
0.6369799	0.5262921	0.9712009	0.7975276	0.5072232	0.8209969	0.06124005	0.06124005	turquoise
0.5363225	0.7598801	0.6898494	0.1908136	0.8325625	0.6011004	0.00710231	0.00710231	black
0.9343638	0.5303289	0.00033044	0.4585608	0.5158704	0.1127903	0.467816	0.467816	turquoise
0.3794651	0.5288839	0.00074638	0.1439	0.8631437	0.00747067	0.52194	0.52194	turquoise
0.4997768	0.3876716	0.01733319	0.143281	0.3423066	0.06949932	0.3208385	0.3208385	turquoise
0.2821054	0.08818065	0.00075366	0.6872927	0.6560677	0.0496572	4.42E-05	4.42E-05	blue
0.3019267	0.2931445	0.00826934	0.5195089	0.5823447	0.06039532	0.157982	0.157982	turquoise
0.103734	0.4769249	0.6906542	0.1093227	0.816575	0.6431418	0.03272431	0.03272431	blue
0.9446298	0.3984982	0.3152232	0.6462408	0.06292313	0.08220512	0.6244206	0.6244206	grey
0.4554796	0.5304378	0.08384349	0.8986216	0.03308514	0.5072151	0.430668	0.430668	grey
0.4901312	0.03162812	0.03461221	0.3026358	0.5002141	0.2612739	0.00137368	0.00137368	grey
0.9163413	0.247855	0.8755669	0.3823895	0.5467509	0.4898834	0.00538635	0.00538635	grey
0.3279241	0.2843392	0.01101964	0.4476276	0.8025529	0.5465474	0.07051535	0.07051535	turquoise
0.9835469	0.5522127	0.7696367	0.6966564	0.7983018	0.9968291	0.621926	0.621926	blue
0.04035111	0.09808952	0.07739749	0.1428684	0.7533428	0.5316436	0.00220659	0.00220659	grey
0.3889371	0.2653068	0.5834886	0.7178992	0.4742407	0.2255908	0.00165211	0.00165211	grey
0.4060001	0.0143343	0.4606137	0.5335577	0.1175357	0.6734517	0.0008882	0.0008882	grey
0.4234964	0.0456907	0.1530591	0.6601328	0.683865	0.9967095	2.50E-05	2.50E-05	grey
0.9034619	0.4254212	0.3358598	0.1785498	0.5416349	0.5651527	0.04512723	0.04512723	turquoise
0.9085894	0.7323715	0.1592302	0.2715785	0.4651674	0.2814706	0.4319536	0.4319536	turquoise
0.5067254	0.3355664	0.3859332	0.4310459	0.7641463	0.3984019	0.00024587	0.00024587	blue
0.5965924	0.133251	0.748119	0.1759465	0.5215932	0.3216633	0.06649393	0.06649393	turquoise
0.8584589	0.01190743	0.0110095	0.4686938	0.1717683	0.01614354	0.00023414	0.00023414	turquoise
0.6151095	0.4013098	0.9103701	0.0979789	0.3252568	0.3310631	0.00164029	0.00164029	blue
0.6002112	0.1255661	0.9384657	0.1247518	0.8492771	0.2951821	0.4931483	0.4931483	turquoise
0.9524659	0.5296867	0.138069	0.1415041	0.5157389	0.6869304	0.04244998	0.04244998	grey
0.8729951	0.01776366	0.00010335	0.0645305	0.5700555	0.7972021	9.71E-25	9.71E-25	brown
0.8118404	0.1685024	0.6063951	0.0339064	0.7162794	0.1687977	0.0067511	0.0067511	grey
0.2524342	0.4453152	0.1709109	0.6473836	0.923102	0.1492683	0.0396344	0.0396344	grey
0.7978354	0.2405172	0.7097581	0.4497657	0.6255009	0.428576	0.1311464	0.1311464	turquoise
0.624971	0.1156533	0.07971973	0.0592443	0.3632445	0.06992614	0.00684349	0.00684349	grey
0.6558052	0.00528282	0.4299307	0.8588871	0.7716916	0.2236598	2.98E-05	2.98E-05	brown
0.7141572	0.8109187	0.9591557	0.247008	0.4338541	0.7571527	0.00066552	0.00066552	grey
0.4463167	0.3191158	0.5995931	0.2571116	0.714008	0.4255145	0.5516316	0.5516316	turquoise
0.7198902	0.06703764	0.4245526	0.251165	0.9076814	0.9153474	0.00018742	0.00018742	blue
0.465859	0.8373516	0.00518467	0.0259835	0.3435535	0.04139002	0.9296893	0.9296893	turquoise
0.7922213	0.1151895	0.4001055	0.3608237	0.7827819	0.3421978	0.00197927	0.00197927	turquoise
0.1181799	0.1503258	0.28679	0.1959314	0.1434991	0.6460848	0.00099574	0.00099574	blue
0.1841954	0.5070353	0.3212013	0.4580518	0.3775015	0.5325857	0.00065363	0.00065363	turquoise
0.6813195	0.07021671	0.00272075	0.1129756	0.7334676	0.9438157	4.69E-05	4.69E-05	brown
0.5744509	0.3685791	0.02700533	0.0935527	0.2674854	0.00992212	0.9249605	0.9249605	turquoise
0.9694653	0.6649135	0.4967713	0.5128509	0.5764182	0.1484632	0.3778942	0.3778942	turquoise
0.1608396	0.3495515	0.07408594	0.165298	0.6062018	0.4819577	2.27E-19	2.27E-19	yellow
0.7601469	0.4812508	0.5499452	0.0434817	0.5643034	0.6370412	0.2734563	0.2734563	lightyellow
0.7441739	0.293468	0.2914935	0.2827602	0.7540783	0.79023	0.5874344	0.5874344	blue
0.9537338	0.9750634	0.097913	0.727119	0.236335	0.1414664	0.7087065	0.7087065	turquoise
0.7888023	0.2636704	0.17548	0.5713663	0.7498615	0.3710702	2.55E-07	2.55E-07	turquoise
0.7967655	0.5133658	0.9619966	0.3430088	0.5863138	0.3712989	0.1110169	0.1110169	blue
0.6591486	0.7531482	0.0090253	0.287692	0.1596938	0.2727409	0.2796778	0.2796778	blue
0.4848892	0.8651444	0.08510614	0.7067162	0.8537749	0.09677195	0.6318057	0.6318057	grey
0.1302036	0.8556758	0.00638497	0.1959188	0.4216444	0.3617767	2.98E-06	2.98E-06	yellow
0.247829	0.7353342	0.1105634	0.6531519	0.3732935	0.06957554	0.00011038	0.00011038	turquoise
0.9070255	0.06957342	0.9138236	0.0678206	0.9256215	0.1261713	8.55E-06	8.55E-06	salmon
0.7173385	0.7086118	0.00732135	0.3721997	0.534931	0.4376232	0.1257712	0.1257712	pink
0.6906507	0.5392697	0.5242532	0.2531384	0.07825125	0.05470849	0.790252	0.790252	turquoise
0.597479	0.04954069	0.3676297	0.8704941	0.9844426	0.8854962	0.0984304	0.0984304	green

0.8439042	0.00109099	0.2676514	0.7728908	0.9738925	0.5995482	1.78E-09	1.78E-09	brown
0.7189946	0.03124022	0.0466171	0.177081	0.3930781	0.7927749	0.06722368	0.06722368	grey
0.7899012	0.08207623	0.2112112	0.2514163	0.9667138	0.4499453	0.01697431	0.01697431	grey
0.4495552	0.2210054	0.9658634	0.3965361	0.5972249	0.1540259	1.70E-05	1.70E-05	blue
0.04779676	0.6836698	0.3830749	0.7922588	0.4996948	0.3380283	0.01615402	0.01615402	grey
0.7331248	0.1954216	0.09897861	0.4902615	0.8282801	0.3310098	0.9249045	0.9249045	turquoise
0.00538668	0.9441284	0.1538029	0.9917274	0.9987914	0.5191494	0.4080387	0.4080387	turquoise
0.728939	0.2090996	0.2027812	0.8061433	0.5251132	0.2044622	0.00015786	0.00015786	darkturquoise
0.9805674	0.2442077	0.6234446	0.6236545	0.3388129	0.4945088	0.4728565	0.4728565	turquoise
0.9507016	0.9815507	0.7306638	0.3638028	0.3796141	0.5124837	0.9760256	0.9760256	royalblue
0.08654209	0.1171376	0.4705218	0.6239802	0.7819394	0.444774	0.7109776	0.7109776	grey
0.4477477	0.2465761	0.08356396	0.4939723	0.8679385	0.4274831	0.00275957	0.00275957	grey
0.3952596	0.2198281	0.1882769	0.0492819	0.3315802	0.05910028	0.6033301	0.6033301	grey
0.5550256	0.02367215	0.4450636	0.2642078	0.9931251	0.1637726	0.0018635	0.0018635	turquoise
0.5590273	0.1674018	0.3008413	0.3742183	0.9452989	0.4205636	0.04798594	0.04798594	turquoise
0.4913562	0.02236218	0.01264377	0.2181755	0.9760899	0.7725889	1.01E-21	1.01E-21	yellow
0.8304626	0.2992872	0.1861397	0.2657585	0.7968857	0.4640031	0.4088332	0.4088332	turquoise
0.3569587	0.02628258	0.4356454	0.1938639	0.5837591	0.09087438	1.06E-05	1.06E-05	blue
0.1963512	0.5871686	0.8240105	0.7840852	0.2587949	0.9458607	0.04704679	0.04704679	brown
0.1783661	0.5806917	0.1771451	0.4510023	0.8982761	0.8332282	0.1154253	0.1154253	midnightblue
0.5894014	0.9867442	0.00622474	0.142193	0.1609637	0.1740904	0.0272096	0.0272096	turquoise
0.5492441	0.6807444	0.4734183	0.9759409	0.8355355	0.8915544	0.9439939	0.9439939	turquoise
0.6489892	0.0104086	0.01750733	0.8619041	0.9596576	0.5747849	7.24E-34	7.24E-34	yellow
0.1528039	0.3043153	0.1791978	0.9268725	0.5520886	0.1836976	0.5114802	0.5114802	turquoise
0.4933695	0.04489836	0.7294329	0.2492534	0.5782656	0.6858814	0.7670516	0.7670516	blue
0.1669698	0.4121396	0.7869667	0.4579447	0.69434	0.8658656	1.28E-06	1.28E-06	grey
0.9853218	0.5951689	0.3323123	0.2084685	0.5626925	0.1252817	2.30E-08	2.30E-08	grey
0.1433923	0.01971533	0.137175	0.4778322	0.3828982	0.8927828	1.96E-12	1.96E-12	brown
0.5278286	0.6080327	0.5362809	0.1496728	0.4092752	0.99939	0.02032448	0.02032448	turquoise
0.2007134	0.8657815	0.2217009	0.248875	0.2544319	0.268337	0.7694727	0.7694727	grey
0.8059848	0.7694476	0.03281734	0.0377543	0.06262746	0.0151412	0.00942474	0.00942474	blue
0.1979339	0.1843162	0.2174006	0.5101212	0.6910175	0.8999772	0.00664797	0.00664797	grey
0.7169782	0.5004279	0.00151287	0.8646312	0.9172363	0.1654426	0.08268785	0.08268785	turquoise
0.09312937	0.1355657	0.1532876	0.2237674	0.4714593	0.0766556	3.14E-07	3.14E-07	grey
0.4849021	0.4526899	0.6098367	0.1705981	0.5479782	0.4686263	0.00193318	0.00193318	blue
0.3347787	0.3497753	0.02409443	0.0571209	0.4261839	0.0266133	0.04340476	0.04340476	grey
0.3970674	0.1916027	0.01286143	0.1157635	0.08293936	0.3264514	0.00090785	0.00090785	brown
0.01887308	0.01606458	0.5628265	0.090868	0.408861	0.09669536	0.00053564	0.00053564	turquoise
0.7952501	0.2421263	0.6188575	0.544112	0.9486508	0.7397789	0.1515335	0.1515335	black
0.05262497	0.9656916	0.02857508	0.0368065	0.1512909	0.3337227	0.03963715	0.03963715	green
0.1809808	0.5193579	0.6332416	0.8327082	0.09689536	0.8391074	0.09498773	0.09498773	grey
0.8799883	0.2934629	0.1845148	0.6018558	0.7175918	0.957374	0.0001347	0.0001347	grey
0.9593531	0.00299411	0.00552089	0.2373984	0.7790455	0.1668725	2.14E-06	2.14E-06	blue
0.8324866	0.371869	0.06460377	0.5428064	0.8068103	0.03037757	0.1161437	0.1161437	blue
0.263445	0.9865012	0.6534292	0.6525139	0.628165	0.3210933	6.78E-09	6.78E-09	blue
0.5676591	0.03770095	0.5582232	0.190977	0.709626	0.3493052	0.7876501	0.7876501	grey
0.6375011	0.202277	0.02368435	0.6103309	0.3299069	0.3465348	0.0836797	0.0836797	tan
0.5484077	0.4619707	0.8144643	0.4359607	0.7720947	0.1396413	0.4063116	0.4063116	blue
0.7291165	0.01458774	0.05595678	0.202949	0.400018	0.5361972	4.22E-06	4.22E-06	brown
0.7833755	0.3136565	0.3714129	0.5962819	0.6388662	0.5671921	0.09740079	0.09740079	blue
0.5255861	0.01604725	0.00621699	0.0155291	0.9873737	0.1307186	0.05246321	0.05246321	turquoise
0.5760906	0.2221551	0.01340068	0.7928673	0.7289985	0.01833709	1.35E-06	1.35E-06	blue
0.805099	0.7968133	0.00272167	0.0552852	0.975168	0.2269895	0.02041895	0.02041895	turquoise
0.9204303	0.4169963	0.02990713	0.8004377	0.9288453	0.02252897	5.87E-06	5.87E-06	blue
0.1522119	0.00603993	0.0300992	0.793184	0.9130458	0.9479954	1.23E-08	1.23E-08	blue
0.9743391	0.05297773	0.5940882	0.7393	0.4791265	0.6214711	0.00267941	0.00267941	grey
0.7870696	0.07609707	0.7577896	0.9323945	0.8758784	0.7729727	0.4411863	0.4411863	blue
0.3775487	0.09183502	0.00204656	0.4000049	0.3508459	0.4418038	3.67E-17	3.67E-17	yellow
0.2609954	0.1889922	0.2584092	0.3421026	0.9910387	0.3903731	0.6600687	0.6600687	greenyellow
0.2818386	0.033547	0.3743059	0.2823727	0.8734565	0.2136046	0.5591785	0.5591785	blue
0.4484206	0.6662422	0.4367873	0.7454487	0.497002	0.6749722	0.4956924	0.4956924	blue

0.3362136	0.0983326	0.2370001	0.4489151	0.3183806	0.06972809	0.09582749	0.09582749	blue
0.7120639	0.2861666	0.1328526	0.8120036	0.5529317	0.3910331	0.00243376	0.00243376	turquoise
0.2724572	0.6290335	0.9635312	0.2767935	0.9817138	0.4125093	0.00392064	0.00392064	turquoise
0.02373414	0.5454045	0.6190634	0.6145992	0.4238593	0.4142376	0.00055013	0.00055013	cyan
0.1683669	0.9946904	0.0421091	0.2879669	0.6386019	0.1014976	0.4528719	0.4528719	grey
0.2091921	0.1419674	0.00056684	0.1871748	0.8232317	0.00246382	0.01022789	0.01022789	grey
0.8918888	0.84306	0.8543496	0.8266154	0.2891209	0.1425482	0.00226178	0.00226178	grey
0.4390288	0.3363448	0.1167792	0.9059752	0.391912	0.634776	0.0020944	0.0020944	grey
0.9647569	0.5526723	0.9882337	0.7464082	0.7199673	0.6691382	0.8309464	0.8309464	grey
0.2329009	0.01162774	0.04347614	0.2529374	0.3955524	0.5025838	0.0009534	0.0009534	blue
0.379552	0.6466123	0.7312014	0.6531027	0.00072575	0.3292963	0.00113207	0.00113207	grey
0.443107	0.03484961	0.01826289	0.1063458	0.913385	0.04512332	0.128258	0.128258	grey
0.00074731	0.5233952	0.9945357	0.1706273	0.4270325	0.738891	0.7550535	0.7550535	grey
0.9811824	0.6381249	0.9159536	0.2958631	0.7836859	0.9105988	0.110422	0.110422	grey
0.3649349	0.00070264	0.2336948	0.4507331	0.1325786	0.8115646	0.00017012	0.00017012	blue
0.1110394	0.8575866	0.2421831	0.6455828	0.927726	0.7426761	0.1340225	0.1340225	grey
0.9863463	0.00202993	0.06894097	0.2461439	0.7542076	0.508538	6.90E-16	6.90E-16	brown
0.7529364	0.04399359	0.01647996	0.7389212	0.3856969	0.1832622	0.00047752	0.00047752	blue
0.1857089	0.5447109	0.00538314	0.1909752	0.6507068	0.00309301	0.9115275	0.9115275	turquoise
0.1303268	0.3050447	0.00026757	0.0064319	0.6895211	0.00452302	0.0367483	0.0367483	turquoise
0.4575069	0.01229929	0.00573429	0.4184307	0.4558005	0.5811033	8.67E-24	8.67E-24	yellow
0.9970082	0.03326005	0.1022545	0.6796643	0.9938849	0.3435873	0.00020788	0.00020788	turquoise
0.3923176	0.116092	0.7737342	0.6144167	0.234475	0.598762	0.06825819	0.06825819	turquoise
0.9755706	0.5076374	0.00288567	0.5120222	0.6878284	0.128924	0.00988352	0.00988352	blue
0.06283736	0.6528495	0.9793	0.3397171	0.9833744	0.5951485	0.0158022	0.0158022	grey
0.03967885	0.668623	0.8777803	0.4688511	0.902137	0.914773	0.376667	0.376667	black
0.4014516	0.05795306	0.4213617	0.5596699	0.350134	0.5437506	0.07255776	0.07255776	turquoise
0.9098756	0.6355589	0.00274121	0.3452466	0.9881242	0.2589443	0.01902784	0.01902784	turquoise
0.6664412	0.7349346	0.1645885	0.4641334	0.600959	0.7989235	2.24E-11	2.24E-11	brown
0.3516346	0.864301	0.06297352	0.5348146	0.3138956	0.8336664	0.9395814	0.9395814	cyan
0.575327	0.2195514	0.180101	0.2766096	0.2374859	0.2842233	0.1161572	0.1161572	grey
0.2283735	0.5037058	0.5109223	0.0960941	0.9408894	0.1026201	0.4343849	0.4343849	grey
0.6676023	0.2998208	0.384246	0.6407664	0.3168774	0.8924675	0.4611126	0.4611126	turquoise
0.9623971	0.4105985	0.3682831	0.449209	0.7680109	0.752262	0.1960295	0.1960295	black
0.2164737	0.03269003	0.4472106	0.6301585	0.1902968	0.6520206	2.54E-07	2.54E-07	blue
0.7074608	0.4202381	0.1759031	0.4841866	0.4638808	0.9186024	0.01080937	0.01080937	pink
0.2721276	0.3231348	0.2105741	0.4392232	0.7004251	0.2748131	0.00049531	0.00049531	pink
0.04669698	0.5892713	0.5549034	0.0878413	0.4163257	0.1200321	0.02394485	0.02394485	grey
0.4979137	0.450562	0.3243871	0.3776098	0.8674448	0.4643981	0.00780764	0.00780764	grey
0.9890824	0.8895583	0.1291719	0.7549172	0.7216438	0.1858597	0.00029442	0.00029442	turquoise
0.08923793	0.03418547	0.08793838	0.760286	0.388391	0.3552738	6.83E-07	6.83E-07	yellow
0.4236184	0.1193903	0.6816634	0.5217172	0.2751824	0.08897233	0.00578129	0.00578129	blue
0.4263841	0.9768006	0.00033037	0.0379617	0.7087526	0.1707023	0.00483046	0.00483046	turquoise
0.9533769	0.505134	0.4086611	0.6571399	0.3503308	0.3245391	0.00904254	0.00904254	turquoise
0.6307349	0.1531267	0.1337257	0.0678638	0.3800802	0.05294198	0.07003895	0.07003895	turquoise
0.8597921	0.3123448	0.7836973	0.6087183	0.7617154	0.9645808	0.6252911	0.6252911	grey
0.3314644	0.4378387	0.02743659	0.599223	0.3928746	0.1966042	0.1414297	0.1414297	grey
0.8060818	0.04903727	0.1235309	0.1232043	0.6856058	0.06551436	0.6818199	0.6818199	grey
0.7874223	0.939565	0.4244316	0.4438467	0.7870524	0.4449555	0.8068386	0.8068386	grey
0.122152	0.0577088	0.5629182	0.4222248	0.8834503	0.3335382	0.2215226	0.2215226	turquoise
0.2525786	0.9011551	0.8175202	0.3517501	0.2096609	0.9506844	0.07121215	0.07121215	blue
0.2777434	0.1242008	0.4734409	0.2547375	0.9522246	0.7802955	0.02180754	0.02180754	red
0.00543242	0.09648991	0.1529794	0.9389255	0.4905931	0.4136763	0.1745147	0.1745147	blue
0.2522704	0.6760331	0.9991819	0.5489395	0.5650532	0.1990163	0.4561281	0.4561281	turquoise
0.7261508	0.9034084	0.3455503	0.4532799	0.9540116	0.11794	0.09063326	0.09063326	grey
0.997762	0.1307935	0.9535235	0.2823431	0.5542807	0.7775718	0.3071716	0.3071716	turquoise
0.1246309	0.3990794	0.5938954	0.8456314	0.4055886	0.7014983	0.00019293	0.00019293	grey
0.7280006	0.312694	0.339142	0.7153059	0.4176959	0.4016044	0.00177386	0.00177386	blue
0.110733	0.402918	0.9706892	0.29623	0.8593943	0.6152712	0.00195821	0.00195821	blue
0.443323	0.6143471	0.7019686	0.6374835	0.6869269	0.8398629	0.2444353	0.2444353	blue
0.7075165	0.406807	0.940927	0.9881687	0.4992475	0.2884949	0.0065464	0.0065464	black

0.9701887	0.08076006	0.7055819	0.7004903	0.8061385	0.4984202	5.95E-08	5.95E-08	grey
0.1048345	0.02018637	0.8322228	0.060601	0.6292457	0.1081675	0.00384743	0.00384743	turquoise
0.9294886	0.6404369	0.3719697	0.6056481	0.8636896	0.251659	0.1460966	0.1460966	greenyellow
0.3550162	0.8397588	0.9939321	0.8189745	0.6370203	0.9296166	0.00472156	0.00472156	red
0.7650344	0.9962999	0.3876365	0.2527076	0.9468907	0.3813677	0.00059193	0.00059193	grey
0.8741596	0.331247	0.00301914	0.7308764	0.9059424	0.3856831	0.00011384	0.00011384	magenta
0.02113072	0.433041	0.07009929	0.5682564	0.2502402	0.06127041	0.1769337	0.1769337	blue
0.2726328	0.4057732	0.1311751	0.5662879	0.6294774	0.2567209	0.0604943	0.0604943	turquoise
0.7756064	0.2423036	0.7854365	0.2101656	0.9738349	0.9838744	0.9819543	0.9819543	grey
0.3336102	0.00010236	0.7562666	0.3917021	0.4395285	0.09461216	1.42E-10	1.42E-10	turquoise
0.7148462	0.08297598	0.8956222	0.6832387	0.4095892	0.8264937	1.23E-10	1.23E-10	turquoise
0.3847037	0.152525	0.6748865	0.4998559	0.5343044	0.2911281	0.0003807	0.0003807	brown
0.9275756	0.04563688	0.00044321	0.2553628	0.8146837	0.3519726	1.86E-27	1.86E-27	yellow
0.05099271	0.00270011	0.22077	0.8718949	0.573633	0.6578238	1.85E-05	1.85E-05	blue
0.1674193	0.1093729	0.05118743	0.5922759	0.9269117	0.3755144	6.71E-09	6.71E-09	brown
0.6638806	0.03792461	0.00520485	0.1254839	0.6269827	0.06209571	1.16E-09	1.16E-09	yellow
0.4621364	0.5406711	0.7474435	0.0707292	0.6805203	0.3311958	0.00257673	0.00257673	lightyellow
0.3285519	0.8447069	0.1794759	0.4523003	0.5058571	0.5006933	0.0050128	0.0050128	grey
0.8301551	0.323063	0.7276945	0.5187344	0.807541	0.3965494	0.00012205	0.00012205	blue
0.6281764	0.2427461	0.8109892	0.631337	0.8376483	0.7309126	0.01006435	0.01006435	grey
0.8006377	0.00788258	0.979007	0.7766632	0.4604514	0.8182541	0.00729959	0.00729959	brown
0.5566564	0.03628068	0.00048829	0.7952007	0.4186907	0.05665233	0.1806377	0.1806377	tan
0.08261921	0.3235974	0.0337912	0.7290545	0.559965	0.4949536	1.90E-09	1.90E-09	blue
0.8246592	0.9606734	0.08055254	0.0720261	0.2950438	0.4413259	0.1441819	0.1441819	turquoise
0.2295978	0.4997001	0.08038812	0.6286906	0.5754035	0.504426	0.00128996	0.00128996	blue
0.3327735	0.1001836	0.7432887	0.8755816	0.9018118	0.8302717	2.14E-05	2.14E-05	red
0.6933875	0.01332518	0.7836813	0.3983488	0.3053111	0.1986015	2.44E-06	2.44E-06	brown
0.449637	0.6141787	0.3961233	0.910056	0.6781941	0.1857745	0.3025254	0.3025254	blue
0.2622252	0.1808929	0.7085465	0.7725129	0.8730836	0.3873744	0.03214977	0.03214977	grey
0.1322725	0.1353638	0.3340006	0.1592365	0.8991467	0.02238547	0.01050029	0.01050029	blue
0.8897293	0.00907359	0.4988103	0.9918791	0.9244817	0.8108328	2.03E-05	2.03E-05	brown
0.9062426	0.2298516	0.5358448	0.6821857	0.7766771	0.1543908	9.91E-06	9.91E-06	blue
0.8629559	0.9881117	0.00185214	0.0787805	0.6582942	0.00287723	0.00627833	0.00627833	turquoise
0.1127523	0.5795283	0.01370299	0.9181331	0.06594538	0.04218776	0.6860794	0.6860794	turquoise
0.5104116	0.2018836	0.1938775	0.2197965	0.4032616	0.3418707	0.2397525	0.2397525	turquoise
0.1111332	0.4528995	0.9752597	0.6404352	0.8087321	0.3830693	0.1331086	0.1331086	grey
0.03630411	0.1232499	0.2735734	0.5067074	0.3700358	0.09976067	0.0024906	0.0024906	skyblue
0.7210394	0.00820786	0.8757549	0.2129818	0.4923337	0.6934061	0.00179398	0.00179398	grey
0.1834734	0.7785243	0.9506421	0.8355673	0.8303346	0.5861798	0.00908114	0.00908114	black
0.00610432	0.08319528	0.6422501	0.7718636	0.8838509	0.5655123	0.3428774	0.3428774	grey
0.9720073	0.02984734	0.06177444	0.13723	0.8967181	0.3525628	2.51E-21	2.51E-21	lightyellow
0.9151278	0.03289027	0.1159663	0.1155038	0.8471176	0.1445242	0.1911416	0.1911416	turquoise
0.5671145	0.00190473	0.1667611	0.5575058	0.1266081	0.1983403	0.00918338	0.00918338	blue
0.9397249	0.1848273	0.00470959	0.2605001	0.4806841	0.07258317	0.01487523	0.01487523	turquoise
0.06091549	0.01551916	0.1135675	0.0436193	0.6119188	0.7539512	1.56E-10	1.56E-10	brown
0.05103944	0.2164955	0.00644249	0.1105931	0.8705742	0.7391492	0.1471137	0.1471137	turquoise
0.2759187	0.03201341	0.887752	0.3499149	0.3237513	0.7914906	3.22E-05	3.22E-05	blue
0.7921649	0.03614466	0.9286066	0.9850329	0.431593	0.4366716	0.00133606	0.00133606	grey
0.03216207	0.1983353	0.2698241	0.3867316	0.4599258	0.3277705	0.1248234	0.1248234	midnightblue
0.1532897	0.8823577	0.912807	0.6358981	0.7022013	0.6960677	0.2478461	0.2478461	grey
0.5106579	0.2506125	0.5190869	0.9738568	0.6351004	0.326199	3.46E-08	3.46E-08	brown
0.592797	0.07257492	0.570399	0.4089656	0.7262087	0.9136443	0.01886828	0.01886828	black
0.8312287	0.7891519	0.32466	0.8689375	0.2157175	0.06460389	7.43E-07	7.43E-07	blue
0.2379307	0.2781823	0.4439469	0.4736454	0.8651751	0.7482036	0.31968	0.31968	grey
0.00448548	0.378464	0.06430898	0.6191477	0.2038044	0.7907941	0.0042725	0.0042725	blue
0.7046716	0.1176037	0.1452703	0.0096091	0.7006261	0.7902982	0.00021853	0.00021853	grey
0.09460637	0.3863701	0.2423688	0.9940365	0.5512138	0.3846255	0.4142275	0.4142275	tan
0.8111519	0.7606867	0.7570501	0.4701356	0.8298285	0.4619578	0.1814159	0.1814159	turquoise
0.9566916	0.1626096	0.03601922	0.0366527	0.704044	0.00389539	0.02420358	0.02420358	blue
0.2473145	0.5999843	0.1236388	0.5090581	0.7800281	0.1961844	0.00021259	0.00021259	cyan
0.89351	0.02052672	0.00036982	0.1343905	0.8490488	0.2553294	1.12E-08	1.12E-08	brown

0.9993586	0.595599	0.1889177	0.9227204	0.4428438	0.4964964	0.8201378	0.8201378	blue
0.09505824	0.9283004	0.8554815	0.8693311	0.156605	0.1748477	0.1074546	0.1074546	grey
0.3569312	0.4047923	0.5797796	0.1789776	0.5812355	0.2602794	0.00099591	0.00099591	salmon
0.4909698	0.5819181	0.6216873	0.336028	0.7616282	0.07266981	1.65E-07	1.65E-07	orange
0.4778881	0.37828	0.83468	0.3911614	0.747733	0.3128932	0.00017718	0.00017718	grey
0.2768471	0.7796079	0.2736253	0.3450547	0.1906034	0.3176381	0.5456284	0.5456284	skyblue
0.9277939	0.5293302	0.1193575	0.2826841	0.413668	0.1436859	0.0009209	0.0009209	grey
0.1180516	0.2701257	0.3666199	0.5219298	0.5937674	0.601281	0.06423817	0.06423817	red
0.5120491	0.06311584	0.2918309	0.416197	0.4152702	0.8468388	0.00010982	0.00010982	black
0.4857986	0.8779969	0.00713182	0.737397	0.01779509	0.1213362	0.00448308	0.00448308	grey
0.2017486	0.0609014	0.2065508	0.7033985	0.7488291	0.2045444	0.07056792	0.07056792	blue
0.7260884	0.2953991	0.00124998	0.2458123	0.4520557	0.06374742	0.4173254	0.4173254	magenta
0.4066179	0.1104547	0.6117624	0.8402437	0.6211661	0.3334967	0.00775448	0.00775448	blue
0.2654714	0.02737701	0.6937619	0.2467464	0.8841079	0.1509081	0.1143439	0.1143439	grey
0.2552436	0.4701064	0.00438249	0.1135914	0.6564083	0.05764363	0.2212296	0.2212296	turquoise
1.07E-05	0.7198857	0.00346902	0.5779887	0.7848888	0.01355096	0.1068575	0.1068575	blue
0.05305137	0.1626087	0.5341491	0.8265488	0.7617931	0.1862395	0.01183696	0.01183696	lightgreen
0.1078031	0.3328531	0.03348041	0.3316011	0.7353136	0.822534	2.39E-06	2.39E-06	brown
0.2633848	0.6292571	0.05317856	0.1671096	0.6035512	0.1539104	0.6998402	0.6998402	turquoise
0.8655974	0.3534552	0.9010873	0.7422109	0.152267	0.8316919	0.1924447	0.1924447	grey
0.00519488	0.936026	0.9731683	0.3489488	0.3628118	0.3184571	0.3251126	0.3251126	red
0.7275474	0.1698081	0.3762506	0.0407757	0.2988262	0.06552556	0.1150921	0.1150921	grey
0.1748795	0.7909218	0.5647863	0.679219	0.720401	0.9714592	0.07685622	0.07685622	grey
0.8430086	0.5179631	0.6998215	0.8966841	0.4675548	0.4453344	0.01453213	0.01453213	darkorange
0.6144298	0.6360031	0.00066894	0.1747302	0.7933947	0.2167219	0.00891904	0.00891904	green
0.5147827	0.2479548	0.6997125	0.0606804	0.9697034	0.316025	0.4978683	0.4978683	grey
0.8592833	0.8929354	0.5755727	0.7094427	0.9272913	0.3185585	0.5097714	0.5097714	grey
0.1898675	0.3124822	0.07484844	0.6469972	0.5925039	0.2252176	0.01509041	0.01509041	red
0.1026382	0.9505014	0.193344	0.6520665	0.3947671	0.3043723	0.9872405	0.9872405	grey
0.4206135	0.4644092	0.5113782	0.7095873	0.7267269	0.236333	0.6377308	0.6377308	white
0.4630406	0.7975135	0.4239656	0.6692364	0.8307747	0.6379847	0.150923	0.150923	grey
0.3336634	0.3229014	0.1605195	0.9216151	0.7746598	0.1559011	0.3387379	0.3387379	grey
0.7860141	0.0029729	0.7284492	0.2330091	0.9953423	0.5734791	0.02725809	0.02725809	brown
0.3814464	0.00548728	0.0109952	0.2655156	0.8109284	0.07419871	0.00587096	0.00587096	turquoise
0.8093532	0.1678522	0.6304096	0.9959423	0.8262402	0.3040896	1.03E-05	1.03E-05	turquoise
0.3895812	0.2198212	1.40E-05	0.029111	0.6330357	0.9946979	1.15E-07	1.15E-07	magenta
0.0131729	0.9265838	0.3309818	0.507472	0.221079	0.5607164	0.01352178	0.01352178	blue
0.2620659	0.9518964	0.6617314	0.9381846	0.2030634	0.468268	0.04138378	0.04138378	blue
0.6730856	0.6777773	0.1530694	0.1556865	0.8282368	0.165092	0.1602089	0.1602089	grey
0.05939616	0.0513112	0.05931386	0.1216412	0.5474444	0.4979578	0.02116589	0.02116589	grey
0.5794517	0.2428134	0.5352404	0.6760822	0.8077043	0.516807	0.3671913	0.3671913	turquoise
0.1269454	0.8129134	0.6071716	0.7062877	0.8124038	0.3845714	0.3974902	0.3974902	red
0.1529947	0.8797379	0.5518216	0.074325	0.8582418	0.03179717	0.1871289	0.1871289	turquoise
0.1057788	0.00103781	0.5381962	0.0757575	0.05934392	0.8315837	0.00623292	0.00623292	turquoise
0.9887729	0.4342222	0.2126203	0.5774632	0.8857538	0.09327221	3.16E-06	3.16E-06	grey
0.1451776	0.3519067	0.05184925	0.5445202	0.6346007	0.8166971	0.01534907	0.01534907	turquoise
0.8234171	0.5020856	0.03544219	0.2970709	0.9220573	0.01498187	0.00350261	0.00350261	turquoise
0.00344625	0.5856186	0.9705723	0.7541111	0.02864298	0.6407175	0.1381195	0.1381195	grey
0.8752795	0.8052445	0.5944835	0.9420098	0.8755097	0.3919642	0.1133487	0.1133487	turquoise
0.9675522	0.2746293	0.4058257	0.7050403	0.490467	0.5414733	0.5415079	0.5415079	purple
0.04620297	0.9874956	0.3697376	0.9283677	0.1932849	0.3245337	0.06193204	0.06193204	turquoise
0.1716269	0.5329116	0.9194576	0.566503	0.6570647	0.8111273	0.936001	0.936001	darkgreen
0.0712945	0.1763726	0.01569479	0.8761611	0.3971094	0.5724945	0.00354692	0.00354692	grey
0.4221166	0.5806584	0.024414	0.0376972	0.6098	0.08283025	0.02587537	0.02587537	turquoise
0.8856244	0.2419277	0.6565736	0.6408811	0.9619146	0.2826216	3.03E-07	3.03E-07	blue
0.09716383	0.02611344	0.340419	0.6158652	0.1732785	0.2200016	0.2816642	0.2816642	grey
0.7294096	0.00910331	0.03603393	0.1137323	0.381345	0.4149271	0.01474246	0.01474246	blue
0.1687126	0.371184	0.8809778	0.8270565	0.8980827	0.958202	0.04905235	0.04905235	brown
0.5999271	0.2196781	0.3172763	0.7731553	0.9793513	0.4523316	1.26E-05	1.26E-05	blue
0.9831183	0.6960104	0.2697607	0.8151847	0.5761139	0.7766641	0.9663849	0.9663849	turquoise
0.3049588	0.8573972	0.1742211	0.9410164	0.6017989	0.4677721	0.1723633	0.1723633	grey

0.6877765	0.03507744	0.7219046	0.6966799	0.6430368	0.4998786	0.06702918	0.06702918	turquoise
0.5745636	0.1215189	0.06408096	0.1652675	0.7573547	0.5506987	3.74E-06	3.74E-06	yellow
0.1764524	0.795528	0.1129809	0.5674804	0.2121497	0.4946487	0.7685929	0.7685929	grey
0.9216361	0.9622423	0.9378113	0.5910009	0.08273879	0.6471853	0.09325597	0.09325597	blue
0.7599497	0.5369553	0.02839598	0.5388348	0.2999115	0.1320391	0.00916981	0.00916981	blue
0.1574669	0.2309789	0.00791009	0.7214494	0.9420135	0.242193	0.00402321	0.00402321	grey
0.5886137	0.00110646	0.2596393	0.2149853	0.7100214	0.4267964	0.3370491	0.3370491	grey60
0.4897905	0.7199332	0.5973346	0.0533752	0.1151285	0.04775159	0.3401462	0.3401462	grey
0.2566211	0.1233316	0.1600136	0.7601983	0.8962889	0.08164317	3.89E-05	3.89E-05	turquoise
0.2523919	0.4947547	0.563528	0.3686147	0.7607921	0.49694	2.70E-05	2.70E-05	grey
0.6769411	0.6245827	0.6144828	0.2640603	0.6395146	0.8339939	0.4420029	0.4420029	turquoise
0.2857546	0.00153221	0.00645534	0.1256819	0.3562942	0.07644874	0.07567341	0.07567341	grey60
0.02472585	0.01709869	0.6609834	0.7968712	0.4277627	0.6149285	0.00413817	0.00413817	blue
0.334857	0.2356046	0.2623162	0.9842378	0.9809109	0.1817389	0.0008378	0.0008378	turquoise
0.488821	0.0324217	0.6991015	0.5738713	0.4033324	0.6572947	0.00254646	0.00254646	blue
0.07373391	0.856633	0.01229724	0.34051	0.951554	0.623164	0.4350097	0.4350097	blue
0.7676198	0.2905647	0.02503347	0.0231181	0.9452392	0.06345392	0.06943703	0.06943703	grey
0.3549994	0.01683119	0.5304797	0.7584005	0.8795147	0.7743801	0.00404768	0.00404768	grey
0.09584857	0.5727722	0.00202356	0.034687	0.5698613	0.00377619	0.01425919	0.01425919	turquoise
0.04338107	0.7389258	0.5943721	0.5358728	0.07237839	0.4298026	0.2933296	0.2933296	grey
0.1915464	0.9094832	0.5695574	0.0686613	0.3937473	0.423452	0.3278746	0.3278746	grey
0.6143604	0.336754	0.2485988	0.4865527	0.5185326	0.5393201	0.2446587	0.2446587	turquoise
0.9967875	0.00071757	0.00919574	0.187828	0.8105988	0.8743305	2.74E-16	2.74E-16	brown
0.3481516	0.1440747	0.08632761	0.1102949	0.5418765	0.1235736	0.04798216	0.04798216	turquoise
0.6711904	0.1108235	0.9144319	0.482368	0.6693567	0.4548317	0.00272355	0.00272355	turquoise
0.06444242	0.02066991	0.05219056	0.9786693	0.7500809	0.01070731	0.5204708	0.5204708	darkred
0.6197383	0.03493622	0.0534309	0.5524894	0.7120597	0.2780525	6.20E-16	6.20E-16	yellow
0.1336587	0.00029554	0.4856146	0.9717327	0.3667028	0.5995842	0.03975627	0.03975627	turquoise
0.4911369	0.4564933	0.3048402	0.3665221	0.6965781	0.9025277	0.9218897	0.9218897	turquoise
0.6840658	0.3737239	0.6363172	0.6669345	0.3645393	0.7839845	1.50E-07	1.50E-07	yellow
0.1779597	0.5701579	0.01433528	0.9034158	0.8429719	0.2634071	0.2137884	0.2137884	grey
0.2045398	0.1193103	0.3369504	0.2073084	0.7784094	0.9542995	0.00183569	0.00183569	blue
0.9249697	0.2082385	0.167704	0.9953418	0.7464872	0.2782707	0.09229889	0.09229889	turquoise
0.2632572	0.3033777	0.3966456	0.1819227	0.4176793	0.3542386	0.00764813	0.00764813	turquoise
0.6801256	0.01493294	0.3178755	0.913542	0.8998982	0.5435905	0.03765698	0.03765698	blue
0.1212965	0.1295422	0.2910187	0.7609207	0.5890896	0.9553878	2.72E-07	2.72E-07	grey
0.04586465	0.02735697	0.958198	0.5065984	0.4018911	0.6779827	0.08539654	0.08539654	blue
0.9588368	0.4000937	0.3429356	0.835694	0.8944012	0.365523	0.0001721	0.0001721	turquoise
0.8463483	0.2084059	0.04668798	0.4766308	0.2066357	0.2684449	9.92E-08	9.92E-08	yellow
0.00472886	0.741875	0.2379187	0.0028417	0.3822481	0.347142	0.1996406	0.1996406	grey
0.8120948	0.5826131	0.3015765	0.6380331	0.6459376	0.6471778	0.5913026	0.5913026	blue
0.7290111	0.3998	0.00765179	0.0298574	0.3822323	0.0498187	0.01829456	0.01829456	grey
0.1277677	0.881265	0.5199549	0.6022175	0.7336149	0.5938369	0.8349726	0.8349726	turquoise
0.4936787	0.3175018	0.3641335	0.1354874	0.2046895	0.03618461	0.174455	0.174455	blue
0.4685762	0.3913535	0.0167208	0.0171454	0.3718287	0.06045172	0.6058203	0.6058203	turquoise
0.4133679	0.07363477	0.00703322	0.9151546	0.6426222	0.3365501	1.43E-29	1.43E-29	yellow
0.02212617	0.9395241	0.8177542	0.3170163	0.3118765	0.103121	0.2192035	0.2192035	skyblue
0.8953298	0.2393122	0.00302985	0.0240432	0.5801942	0.0433759	0.03714553	0.03714553	green
0.8047838	0.8394396	0.00263093	0.1816421	0.9392359	0.00582083	0.03627126	0.03627126	turquoise
0.5563434	0.2804069	0.194773	0.1960304	0.1219511	0.8758537	0.2257882	0.2257882	turquoise
0.09293077	0.4419234	0.4385374	0.3437107	0.1554847	0.3967769	0.9203266	0.9203266	grey
0.08518438	0.01603349	0.2135745	0.1675454	0.151414	0.150024	0.3884417	0.3884417	turquoise
0.5628729	0.9048609	0.03859578	0.8931908	0.6774895	0.6379326	0.0240447	0.0240447	tan
0.2461899	0.1927266	0.8422853	0.8006475	0.3946712	0.5516335	0.2254388	0.2254388	blue
0.5096091	0.5763997	0.8956032	0.9860101	0.3483712	0.2471264	0.03622455	0.03622455	grey
0.4390545	0.2720298	0.1019574	0.4366274	0.5523948	0.2848967	1.73E-05	1.73E-05	blue
0.4495923	0.4273672	0.06622524	0.992805	0.7149708	0.1249561	0.732464	0.732464	turquoise
0.393186	0.06403752	0.00234596	0.0666798	0.6267536	0.3688224	1.44E-09	1.44E-09	red
0.1428123	0.2131392	0.1314239	0.0537243	0.7604277	0.4062079	0.01318088	0.01318088	grey
0.12281	0.3201658	0.2301094	0.1425136	0.1379541	0.2673422	0.656141	0.656141	turquoise
0.1998592	0.7227413	0.5944827	0.4897161	0.8154693	0.727192	0.2379751	0.2379751	grey

0.9534243	0.1587887	0.1971308	0.5073821	0.8956249	0.1132375	0.00016331	0.00016331	turquoise
0.5469492	0.03299313	0.3011514	0.9402016	0.7444526	0.8984337	1.81E-20	1.81E-20	brown
0.8389924	0.3451521	0.00434682	0.0317348	0.05462557	0.03512957	0.415664	0.415664	turquoise
0.2013568	0.06079062	0.1469607	0.025353	0.89248	0.1664795	0.00017146	0.00017146	blue
0.1987196	0.2040499	0.00707746	0.0350812	0.1076556	0.00237987	0.4492746	0.4492746	turquoise
0.4396677	0.02504878	0.8732399	0.968651	0.8415278	0.6533598	0.0041507	0.0041507	brown
0.184886	0.2351193	0.2337434	0.1722775	0.7488153	0.166324	0.04260306	0.04260306	grey
0.8567968	0.00792798	0.6255727	0.459469	0.9209526	0.9071457	3.05E-07	3.05E-07	blue
0.993628	0.00020829	0.3400616	0.739687	0.6189734	0.7834852	3.80E-11	3.80E-11	blue
0.2279943	0.1430254	0.00460212	0.5828026	0.6972787	0.9114245	0.00688701	0.00688701	blue
0.9924069	0.03135517	0.02555068	0.2538122	0.01528142	0.7773788	1.24E-10	1.24E-10	brown
0.986429	0.03045749	0.9846164	0.3419737	0.6860767	0.2255235	3.95E-05	3.95E-05	grey
0.09265478	0.07123093	0.00039931	0.6267316	0.7261855	0.04419537	0.00099541	0.00099541	grey
0.07266435	0.8000191	0.6014992	0.9919133	0.07932014	0.3828563	0.1154094	0.1154094	turquoise
0.9526041	0.06781752	0.7553472	0.0431978	0.4321678	0.9848111	0.00017487	0.00017487	blue
0.5193537	0.3131993	0.02589759	0.4118708	0.09576237	0.5934762	1.36E-19	1.36E-19	yellow
0.7497231	0.1129161	0.8142472	0.4030483	0.1773015	0.9703519	0.02099023	0.02099023	grey
0.4996612	0.4134805	0.604023	0.174305	0.9552608	0.03273516	0.09705656	0.09705656	grey
0.1072425	0.4786355	0.00267707	0.3140242	0.6943711	0.00946314	5.41E-06	5.41E-06	blue
0.7743943	0.1868126	0.6976976	0.1782748	0.3624704	0.3380884	5.86E-06	5.86E-06	grey
0.7908074	0.0695629	0.3117684	0.893878	0.8353615	0.7416647	0.1095099	0.1095099	grey
0.9443132	0.5559282	1.78E-05	0.0023455	0.622833	0.3219496	2.52E-05	2.52E-05	magenta
0.398297	0.5669879	0.00281943	0.3220642	0.8795879	0.06072854	0.09470879	0.09470879	turquoise
0.6622683	0.5133996	0.0247524	0.8795679	0.7607467	0.5227853	0.05448489	0.05448489	turquoise
0.4901363	0.8903871	0.1741466	0.0576328	0.044451	0.1700489	0.00021483	0.00021483	grey
0.8891709	0.00331751	0.05277305	0.3657243	0.7171943	0.2165464	3.68E-10	3.68E-10	yellow
0.1140003	0.6466135	0.4082468	0.4075986	0.4350003	0.7355116	0.0432639	0.0432639	blue
0.2664885	0.6784053	0.00863516	0.4411833	0.9362006	0.4286321	1.59E-14	1.59E-14	yellow
0.5392079	0.9750013	0.06071165	0.4257838	0.6368137	0.2410125	0.1632908	0.1632908	turquoise
0.00731459	0.487223	0.0524398	0.5292142	0.5610622	0.4326691	0.00174226	0.00174226	darkgreen
0.02751259	0.00714884	0.05283718	0.7972796	0.3319238	0.8023961	0.0310581	0.0310581	blue
0.3711255	0.00014042	0.3880061	0.718842	0.508698	0.4880364	7.95E-07	7.95E-07	brown
0.9342411	0.5979261	0.04300907	0.9017215	0.8748319	0.5072172	0.00796621	0.00796621	green
0.6028662	0.7596428	0.00879649	0.0257312	0.6869583	0.01092759	0.8160646	0.8160646	turquoise
0.9358427	0.8608127	0.00965094	0.537904	0.8160805	0.3608968	8.15E-11	8.15E-11	yellow
0.820887	0.652192	0.4500195	0.8168432	0.6476204	0.4777272	0.02261828	0.02261828	grey
0.5971037	0.00407965	0.09475571	0.0018533	0.2164156	0.1621967	0.00257756	0.00257756	blue
0.176635	0.9292667	0.00225947	0.1726405	0.8556187	0.56189	0.01062087	0.01062087	green
0.2078961	0.00206422	0.2233726	0.2179174	0.6942699	0.6534654	0.02828439	0.02828439	grey
0.5470012	0.07688698	0.3447729	0.3945831	0.3237548	0.2890084	4.90E-09	4.90E-09	blue
0.3560548	0.2764162	0.6086282	0.8128402	0.2301163	0.1304147	0.00015637	0.00015637	grey
0.4537398	0.9627605	0.00074964	0.414441	0.1752634	0.08537508	3.26E-06	3.26E-06	green
0.6441603	0.2138035	0.6014156	0.6297347	0.9841845	0.6094801	0.5197627	0.5197627	grey
0.5106614	0.1194128	0.2049338	0.7707323	0.5474832	0.245535	0.1803142	0.1803142	grey
0.4920887	0.0417834	0.3671907	0.937267	0.452608	0.9655539	0.6963816	0.6963816	grey
0.1971867	0.1317263	0.2005321	0.1537201	0.6158872	0.1419253	0.00280824	0.00280824	green
0.4510971	0.1543928	0.04088108	0.7174408	0.3794669	0.1366339	0.0311912	0.0311912	blue
0.2218131	0.4359841	0.7140338	0.083352	0.3367559	0.2658673	0.05727963	0.05727963	grey
0.389764	0.2453219	0.1308274	0.4952575	0.8222384	0.490987	0.4043153	0.4043153	grey
0.06855723	0.7632264	0.5657038	0.0493456	0.4651752	0.1249823	0.271117	0.271117	grey
0.8154096	0.00741757	0.2802257	0.4204442	0.8933326	0.4669666	4.88E-05	4.88E-05	grey
0.8964813	0.5351536	0.4620374	0.7508341	0.4664793	0.4773808	0.00011635	0.00011635	brown
0.7121919	0.4674294	0.02366712	0.0032271	0.3993255	0.02181954	0.00342553	0.00342553	grey
0.01038664	0.5779027	0.2430147	0.1485801	0.7886922	0.1426019	0.8035727	0.8035727	turquoise
0.5928067	0.01470462	0.2952913	0.2478632	0.806039	0.393	3.33E-13	3.33E-13	grey
0.0930315	0.526682	0.862844	0.9743201	0.1424976	0.6018338	0.3688476	0.3688476	grey
0.849718	0.2471212	0.2624318	0.4402218	0.7325444	0.4698205	6.06E-05	6.06E-05	blue
0.1565755	0.3156248	0.03881538	0.3076914	0.5076304	0.756008	0.08881796	0.08881796	turquoise
0.6327763	0.5027737	0.4892906	0.728801	0.5642305	0.7675724	8.37E-06	8.37E-06	brown
0.2260684	0.5763778	0.2776292	0.0743847	0.621579	0.5065161	0.00843948	0.00843948	grey
0.1399076	0.00729907	0.203963	0.8870448	0.5477626	0.296273	4.60E-06	4.60E-06	blue

0.7722745	0.3953857	0.7731733	0.625159	0.3005765	0.6888717	8.25E-06	8.25E-06	grey
0.8853438	0.9867532	0.05907158	0.9229681	0.7777838	0.2982669	0.06926336	0.06926336	turquoise
0.6320396	0.9843443	0.1922999	0.0630243	0.8472591	0.3897888	0.7559229	0.7559229	turquoise
0.148099	0.1149138	0.2899961	0.5407823	0.9885149	0.5930782	9.47E-05	9.47E-05	blue
0.5163702	0.9261351	0.485575	0.6870899	0.2465814	0.1938601	0.2851959	0.2851959	grey
0.3360802	0.02013429	0.052132	0.3866407	0.4787227	0.5097638	1.17E-11	1.17E-11	brown
0.5382042	0.6542322	0.1115642	0.6548924	0.7076969	0.3082414	0.00026141	0.00026141	green
0.2310637	0.01071401	0.00244104	0.5932984	0.9416109	0.8415776	2.42E-13	2.42E-13	brown
0.05690744	0.06310665	0.3695677	0.971213	0.2328949	0.20869	0.302055	0.302055	turquoise
0.293486	0.6288711	0.02108848	0.5282135	0.7267046	0.07307502	0.1702857	0.1702857	turquoise
0.2884483	0.4455735	0.2813149	0.7675053	0.106906	0.9078991	4.51E-05	4.51E-05	grey
0.836101	0.01107811	0.0016401	0.3275934	0.7533913	0.4897237	6.12E-07	6.12E-07	brown
0.9249885	0.27325	1.27E-05	0.0948221	0.7276966	0.00737431	0.06127406	0.06127406	grey
0.0565521	0.2027827	0.1139165	0.3247552	0.3405609	0.1428853	0.09878447	0.09878447	grey
0.6719244	0.00040594	0.05697732	0.7112374	0.6274759	0.6486808	5.10E-09	5.10E-09	brown
0.9739735	0.08922706	0.8321615	0.3732377	0.8986039	0.4806481	0.00020779	0.00020779	grey
0.05934677	0.0914246	0.6562421	0.3640442	0.7200307	0.5981342	0.128949	0.128949	greenyellow
0.3586968	0.9353772	0.4056124	0.8842743	0.631149	0.13582	0.00029778	0.00029778	grey
0.9888957	0.00394072	0.00952789	0.1094735	0.594404	0.4043174	1.26E-19	1.26E-19	brown
0.2660472	0.1091284	0.01704093	0.5580237	0.8257851	0.3213273	0.00690079	0.00690079	turquoise
0.07453028	0.8026147	0.08160302	0.1265865	0.3747269	0.5457463	0.06894545	0.06894545	grey
0.1735094	0.2629572	0.2012443	0.2258979	0.654408	0.1231076	0.324369	0.324369	darkgreen
0.4427386	0.7273642	0.2561809	0.7075207	0.6182415	0.9629557	0.07500009	0.07500009	grey
0.5342998	0.7346398	0.3724973	0.3012135	0.4597286	0.05143688	0.3686017	0.3686017	blue
0.7222363	0.6797791	0.1910746	0.0723731	0.4916511	0.1571652	0.9215535	0.9215535	orange
0.6984915	0.1449531	0.4861687	0.6494671	0.8593163	0.08101167	0.1850128	0.1850128	turquoise
0.5621298	0.4280693	0.5539984	0.6166977	0.7944411	0.6558852	0.6384474	0.6384474	grey
0.3063491	0.303013	0.7224699	0.2353892	0.07900834	0.2670577	0.02876632	0.02876632	turquoise
0.5538549	0.7864875	0.6169944	0.4776404	0.7084379	0.9422345	0.9831443	0.9831443	grey
0.9523776	0.06415632	0.00432466	0.0684018	0.8773367	0.06993253	3.65E-05	3.65E-05	turquoise
0.6228432	0.09012292	0.4563513	0.5756616	0.1303051	0.2107904	3.18E-09	3.18E-09	blue
0.8762499	0.04475353	0.00783782	0.032498	0.2720659	0.07356198	2.66E-20	2.66E-20	yellow
0.5746623	0.06999806	0.00870289	0.2611646	0.7573195	0.4069162	2.09E-12	2.09E-12	yellow
0.520894	0.8352575	0.3020354	0.155015	0.6154835	0.1863212	1.59E-07	1.59E-07	grey
0.3616191	0.745398	0.1027839	0.2758761	0.9363461	0.1918109	0.01745409	0.01745409	turquoise
0.8960407	0.09945243	0.2207525	0.5874911	0.5936878	0.05633607	0.00428574	0.00428574	grey
0.1397412	0.04576698	0.4146815	0.7104906	0.6704747	0.1750949	0.00583433	0.00583433	grey
0.6367638	0.7040798	0.0306861	0.2699368	0.4648781	0.2730858	0.1477537	0.1477537	salmon
0.4500617	0.4183921	0.336398	0.2271481	0.6093847	0.2613889	0.1214603	0.1214603	midnightblue
0.587004	0.04110997	0.00318697	0.0179631	0.7562673	0.02124457	2.80E-08	2.80E-08	turquoise
0.9987014	0.1895142	0.6280676	0.8972537	0.9400077	0.6254993	0.1197648	0.1197648	grey
0.2759175	0.00408706	0.06330041	0.7810319	0.9872887	0.697436	1.40E-09	1.40E-09	brown
0.5624608	0.5801143	0.6840917	0.765927	0.9352595	0.855412	0.1847511	0.1847511	grey
0.7422915	0.986487	6.95E-06	0.0313939	0.3079832	0.1121235	0.00039272	0.00039272	magenta
0.6684863	0.1539732	0.9125232	0.4091996	0.6276895	0.7369637	0.02079421	0.02079421	turquoise
0.8779341	0.08478244	0.9664381	0.7574402	0.8126673	0.7198311	0.1996407	0.1996407	grey60
0.06921427	0.03290271	0.7395343	0.625269	0.1823154	0.08181509	2.32E-08	2.32E-08	blue
0.1486011	0.7008546	0.01697949	0.5444495	0.6339723	0.8070504	0.00112528	0.00112528	turquoise
0.295799	0.00745644	0.04800249	0.6536657	0.6003983	0.3725381	1.35E-10	1.35E-10	brown
0.5903191	0.5549711	0.3342557	0.5186491	0.8802308	0.7079631	0.02341798	0.02341798	turquoise
0.9060133	0.3067091	0.01403193	0.0701166	0.7443969	0.06175809	0.01086852	0.01086852	turquoise
0.7015584	0.2339693	0.6093463	0.8080638	0.6853382	0.7696648	3.39E-11	3.39E-11	yellow
0.1306158	0.6929232	5.48E-06	0.0066524	0.7404967	0.04167106	0.00465128	0.00465128	pink
0.32234	0.2296564	0.3647447	0.6697896	0.2874061	0.4467452	0.03172645	0.03172645	blue
0.8624073	0.4960875	0.9860092	0.9995984	0.2136713	0.6457125	0.02588682	0.02588682	turquoise
0.5655849	0.8249671	0.04713919	0.1654181	0.8049605	0.106096	0.01989221	0.01989221	turquoise
0.106495	0.8809109	1.14E-05	0.0080805	0.4199222	0.2308047	0.02719572	0.02719572	grey
0.5735247	0.09087792	0.7574161	0.2281579	0.661638	0.7803683	4.17E-05	4.17E-05	blue
0.07098821	0.8571572	0.9301733	0.3224248	0.2710433	0.309346	0.2274961	0.2274961	turquoise
0.7789153	0.9226221	0.0213817	0.2601082	0.8943512	0.02133707	0.00120582	0.00120582	turquoise
0.4056077	0.06233714	0.1665615	0.7554189	0.9950416	0.8897412	0.01532335	0.01532335	pink

0.2082007	0.6137322	0.00081223	0.2230527	0.3359947	0.1616265	0.1492822	0.1492822	turquoise
0.680336	0.3620303	0.8946389	0.8662362	0.579352	0.7670993	0.00090308	0.00090308	red
0.4826037	0.1025493	0.2166462	0.8917512	0.6274527	0.5479109	9.30E-05	9.30E-05	grey
0.4039473	0.9545253	0.471027	0.2770383	0.9016322	0.1043001	0.1084222	0.1084222	purple
0.1613934	0.08702524	0.1374219	0.9461561	0.6729988	0.3337855	0.8810589	0.8810589	grey
0.9830793	0.4770545	0.2914307	0.8503678	0.3056889	0.8938688	0.09198085	0.09198085	turquoise
0.2140158	0.01348122	0.01303295	0.2278954	0.4462919	0.2429588	0.00691485	0.00691485	grey60
0.4618142	0.4264643	0.04361386	0.0094758	0.7554065	0.3595494	1.16E-07	1.16E-07	grey
0.6937619	0.1394047	0.2039162	0.3456138	0.9826618	0.1379426	0.02178321	0.02178321	blue
0.5532576	0.798017	0.9349464	0.3548556	0.7557972	0.1438525	0.00081641	0.00081641	blue
0.2093435	0.9025784	0.2569665	0.1329938	0.6384838	0.7137651	0.5087345	0.5087345	turquoise
0.9439213	0.6342707	0.6217287	0.0566501	0.3307469	0.2032852	0.00026894	0.00026894	blue
0.05667041	0.5776722	0.7926212	0.4939293	0.9180454	0.9381091	0.5554093	0.5554093	grey
0.569257	0.1470334	0.3362377	0.6303508	0.1044349	0.05909397	0.7113031	0.7113031	turquoise
0.06172315	0.6669114	0.8197277	0.7217085	0.8801016	0.3921316	0.05838905	0.05838905	blue
0.530178	0.00144172	0.7645385	0.144888	0.5806023	0.3441267	0.00013543	0.00013543	turquoise
0.833469	0.636862	0.1114746	0.4080249	0.9233587	0.08692819	0.5973432	0.5973432	turquoise
0.8898914	0.4224911	0.03583086	0.2239748	0.7026763	0.06461411	0.0006971	0.0006971	turquoise
0.06235332	0.05677261	0.5709821	0.019597	0.3049939	0.8209766	0.2300788	0.2300788	grey
0.7377111	0.4569464	0.5890589	0.3638444	0.5462211	0.2110409	0.1349763	0.1349763	grey
0.7004411	0.8278168	0.01676688	0.3263895	0.6988922	0.3402672	0.5793359	0.5793359	turquoise
0.9278739	0.5813148	0.09453198	0.5107246	0.877756	0.7358058	7.93E-12	7.93E-12	lightyellow
0.2441375	0.1935336	0.4920113	0.7429985	0.8817058	0.7434807	0.00068798	0.00068798	grey
0.1137289	0.3491961	0.1722788	0.048603	0.3341454	0.09113297	0.05003326	0.05003326	grey
0.4249196	0.05892796	0.8087511	0.5431636	0.5798327	0.9087079	0.00188922	0.00188922	blue
0.6344301	0.7875348	0.00160408	0.0590032	0.9655319	0.01362156	0.1123851	0.1123851	turquoise
0.32063	0.5287114	0.6296029	0.3058399	0.4370352	0.201131	0.00633036	0.00633036	purple
0.6244101	0.2932239	0.4088887	0.853067	0.8905332	0.9703087	0.05619325	0.05619325	turquoise
0.8963726	0.9465927	0.9461488	0.9412073	0.4419176	0.9366395	0.1939247	0.1939247	salmon
0.190847	0.3194776	0.1038337	0.8733046	0.4639345	0.7335906	0.05965937	0.05965937	grey
0.00438481	0.00395885	0.399508	0.4719866	0.9020195	0.9795624	1.50E-05	1.50E-05	blue
0.6535412	0.2880308	0.05182018	0.6272445	0.2091171	0.334577	0.3823488	0.3823488	turquoise
0.8221028	0.06048499	0.05445444	0.7737834	0.3476673	0.8120338	2.53E-21	2.53E-21	brown
0.283558	0.4342489	0.2644806	0.3138059	0.7913237	0.6144425	0.3305131	0.3305131	turquoise
0.08029599	0.01163559	0.9804492	0.5678787	0.8757048	0.2370664	2.63E-05	2.63E-05	grey
0.3888876	0.1678269	0.3271921	0.3297452	0.5960182	0.1962911	0.2424127	0.2424127	grey
0.08428343	0.00523521	0.6090633	0.7360067	0.8027954	0.8461876	0.06077964	0.06077964	blue
0.8652503	0.8225715	0.3039849	0.3832284	0.8502346	0.7881952	0.02132831	0.02132831	blue
0.2264904	0.4940691	0.00836616	0.1475077	0.956966	0.2733085	0.04479814	0.04479814	turquoise
0.4043707	0.6371746	0.01723664	0.0790224	0.316343	0.06658223	0.1013023	0.1013023	turquoise
0.359204	0.7547376	0.9685429	0.216278	0.6295938	0.3316173	0.7836524	0.7836524	darkred
0.06278853	0.2495277	0.3695736	0.0421892	0.3815428	0.01835525	0.7927082	0.7927082	turquoise
0.4518623	0.4525784	0.6367921	0.1451325	0.972233	0.4893762	0.8080294	0.8080294	grey
0.8891416	0.5663329	0.1743637	0.0730042	0.4116488	0.7529473	0.2765268	0.2765268	grey
0.1107679	0.8481849	0.2885464	0.1374326	0.4332243	0.01824143	0.247468	0.247468	turquoise
0.7874735	0.00952611	0.2859597	0.591771	0.6643796	0.5538435	0.3376311	0.3376311	grey
0.9576536	0.6683734	0.05553456	0.9564648	0.6698346	0.07950019	1.12E-06	1.12E-06	blue
0.6029546	0.4849552	0.4933163	0.7771414	0.5527797	0.7484135	7.98E-06	7.98E-06	lightyellow
0.9993559	0.3104989	0.08619631	0.6408043	0.3830293	0.5859511	0.7949419	0.7949419	turquoise
0.06706954	0.7069792	0.00436937	0.0511148	0.9775965	0.00936909	0.1263939	0.1263939	grey
0.457008	0.00252279	0.08555367	0.7169253	0.8391873	0.5104743	3.17E-15	3.17E-15	brown
0.5258156	0.1286365	0.8071141	0.9550338	0.4927781	0.8654598	6.41E-05	6.41E-05	turquoise
0.9476961	0.07621975	0.1111876	0.032887	0.2925413	0.3226678	3.08E-06	3.08E-06	blue
0.1909071	0.7830407	0.551138	0.9436469	0.8241654	0.6445119	0.05015388	0.05015388	grey
0.593096	0.3689905	0.00061124	0.1752208	0.6132183	0.4121961	0.00027308	0.00027308	blue
0.09228039	0.1360093	0.3881255	0.8886917	0.4808761	0.08777382	0.00067707	0.00067707	grey
0.7897727	0.06162065	0.0022134	0.0643312	0.3287408	0.1371787	0.04030599	0.04030599	turquoise
0.5685764	0.1112085	0.02111826	0.7836268	0.588393	0.3137348	8.82E-20	8.82E-20	yellow
0.02720123	0.8862428	0.8024031	0.8167652	0.491958	0.4749884	0.00034516	0.00034516	turquoise
0.2837298	0.8560666	0.9621597	0.4592682	0.6319761	0.7598103	0.3546871	0.3546871	grey60
0.5165998	0.2607505	0.912998	0.103331	0.7286497	0.4668799	0.00260665	0.00260665	grey

0.04727052	0.2237645	0.06645112	0.005513	0.3773646	0.1145561	0.9312571	0.9312571	turquoise
0.06675055	0.3161443	0.4386994	0.5675099	0.7501966	0.687898	0.2527843	0.2527843	lightcyan
0.9472045	0.4290559	0.8871552	0.1571251	0.4636544	0.9069604	0.04121597	0.04121597	blue
0.2969314	0.3441001	0.359552	0.264271	0.5646975	0.1410787	0.00103262	0.00103262	turquoise
0.6846792	0.2100533	0.0371315	0.5971557	0.4945304	0.05804765	0.01346938	0.01346938	turquoise
0.04633587	0.01848069	0.1246654	0.0536651	0.5778363	0.290816	0.02084962	0.02084962	turquoise
0.3727538	0.2231552	0.1020314	0.9859898	0.6340595	0.7122825	0.4314008	0.4314008	grey
0.3641191	0.217915	0.06554141	0.4178699	0.5031284	0.1747786	0.04061307	0.04061307	turquoise
0.5808097	0.3927873	0.07608741	0.2865906	0.7806021	0.00235803	0.1003018	0.1003018	turquoise
0.0950931	0.6649487	0.920447	0.5370689	0.6123522	0.6727889	0.8546333	0.8546333	grey
4.43E-23	0.2529558	0.6708596	0.0608769	0.6862879	0.6717493	0.137616	0.137616	grey
0.8816174	0.1044031	0.753002	0.4986382	0.3752963	0.4250369	0.03908528	0.03908528	blue
0.8477631	0.0919199	0.9644933	0.1532281	0.6932542	0.6882756	0.5564059	0.5564059	black
0.9926542	0.05202008	0.7342848	0.533801	0.6747025	0.965544	0.2173849	0.2173849	turquoise
0.8015494	0.3053201	0.1824041	0.5777956	0.6186259	0.8212255	0.6978248	0.6978248	turquoise
0.03419938	0.3156402	0.01737616	0.2133374	0.6156838	0.106127	0.692634	0.692634	grey
0.685068	0.6386655	0.09237347	0.0740283	0.7321353	0.0934596	0.7020846	0.7020846	turquoise
0.4219353	0.1532051	0.6131362	0.8142706	0.2349149	0.5070528	2.79E-05	2.79E-05	grey
0.3141563	0.7049295	0.8265036	0.387082	0.1170633	0.1846367	0.02448506	0.02448506	grey
0.3302511	0.7863659	0.2313998	0.7147299	0.839071	0.5033757	0.533064	0.533064	turquoise
0.00051493	0.1116955	0.145404	0.8684916	0.9515732	0.9129085	0.07624234	0.07624234	blue
0.4358113	0.8651514	0.0001583	0.2449491	0.3592741	0.00921541	0.9296098	0.9296098	turquoise
0.6964351	0.4026327	0.2652168	0.3923455	0.6653214	0.01893386	0.2608925	0.2608925	blue
0.3146449	0.09678058	0.00052651	0.5127823	0.9330597	0.3946977	0.2639012	0.2639012	turquoise
0.1135998	0.4421281	0.8739515	0.9410968	0.9459581	0.5592227	0.7892464	0.7892464	red
0.5525133	0.160504	0.05738186	0.9874896	0.07626162	0.5911443	6.75E-07	6.75E-07	brown
0.1098045	0.999606	0.00416956	0.932181	0.4659051	0.1935559	0.188658	0.188658	magenta
0.1286074	0.142725	0.468852	0.8496867	0.2415114	0.8481243	0.00353591	0.00353591	grey60
0.3347076	0.8440684	0.01594019	0.2821109	0.8191223	0.1681539	0.09071396	0.09071396	turquoise
0.1760115	0.612639	0.9137899	0.9091023	0.5614867	0.3541811	0.01168283	0.01168283	darkred
0.6316393	0.5622812	0.133605	0.4146716	0.1349572	0.5324351	0.00039893	0.00039893	brown
0.7880561	0.03524789	0.04757195	0.1841869	0.6591267	0.3613466	0.01373064	0.01373064	blue
0.2971666	0.0033413	0.1625174	0.2332145	0.7380617	0.4075721	2.05E-07	2.05E-07	green
0.72566	0.3956306	0.7969757	0.6712064	0.8005995	0.5178517	0.623456	0.623456	turquoise
0.460943	0.8226645	0.1339066	0.2481911	0.8655776	0.5773562	0.02042078	0.02042078	grey
0.7930551	0.9744017	0.1958746	0.8657936	0.5767014	0.9037301	0.6926011	0.6926011	turquoise
0.5267145	0.7042145	0.3268618	0.7392363	0.4619586	0.4312413	0.0696378	0.0696378	blue
4.61E-28	0.0121085	0.05921558	0.214301	0.5394829	0.4232414	8.13E-14	8.13E-14	brown
0.5181316	0.8791076	0.309885	0.5099129	0.9552186	0.6077064	0.9229833	0.9229833	grey
0.00596359	0.1918529	0.7907023	0.841112	0.2536239	0.9091085	6.57E-05	6.57E-05	grey
0.7024414	0.3637193	0.03990691	0.1484141	0.3449184	0.2091235	4.75E-05	4.75E-05	blue
0.5835919	0.6149297	0.8054361	0.0298825	0.7683523	0.4433537	0.4094913	0.4094913	greenyellow
0.407994	0.01546739	0.2232692	0.5075073	0.6647056	0.1048125	0.06433422	0.06433422	turquoise
0.3577541	0.9208389	0.00090671	0.0658407	0.9655583	0.00250566	0.6975023	0.6975023	turquoise
0.7167128	0.0219226	0.9442221	0.4395494	0.0615871	0.5259709	0.2502308	0.2502308	lightcyan
0.5171846	0.0149158	0.02116607	0.4493864	0.5719145	0.6058827	4.93E-14	4.93E-14	brown
0.1691486	0.3045217	0.01743212	0.2772995	0.9790389	0.599714	0.52696	0.52696	turquoise
0.4649841	0.6809798	0.5124331	0.9934507	0.5990099	0.1683517	0.154244	0.154244	grey
0.104555	0.02411272	0.07027904	0.0625979	0.2716083	0.4023056	0.04644466	0.04644466	grey60
0.1457264	0.8176231	0.5374178	0.1126328	0.3733052	0.8428866	0.1514676	0.1514676	red
0.890133	0.00119347	0.3253494	0.4618326	0.8550642	0.8640102	2.39E-15	2.39E-15	brown
0.07220467	0.4679007	0.302224	0.3511385	0.8015802	0.2810045	0.9238019	0.9238019	blue
0.00888424	0.8541781	0.5029371	0.34147	0.7612664	0.2243925	0.1256357	0.1256357	turquoise
0.1733826	0.02197862	0.9089958	0.3639947	0.6398546	0.9122587	0.00023002	0.00023002	grey
0.9871507	0.3253726	0.3864961	0.6326335	0.8790122	0.4384164	0.4377168	0.4377168	turquoise
0.3086924	0.2277154	0.554762	0.4538643	0.7615729	0.781216	0.7528253	0.7528253	royalblue
0.2500114	0.727858	0.05147398	0.2080045	0.9221353	0.02107123	0.3814821	0.3814821	turquoise
0.2890395	0.7253015	0.8279187	0.2457834	0.3499485	0.8219024	0.2053684	0.2053684	cyan
0.4682095	0.5184909	0.01222934	0.8785067	0.00462088	0.09248407	0.0544484	0.0544484	blue
0.764017	0.2111809	0.7552691	0.6613814	0.8195273	0.6994045	5.52E-05	5.52E-05	blue
0.7025914	0.00688399	0.04775484	0.494178	0.4499606	0.3706459	0.1316444	0.1316444	blue

0.3010416	0.4632734	0.5857481	0.974942	0.9649093	0.473611	0.3505022	0.3505022	blue
0.5073336	0.5843808	0.352533	0.2750122	0.7651488	0.176461	0.9478383	0.9478383	turquoise
0.2638249	0.01155361	0.1329054	0.2171311	0.5164745	0.05545866	1.08E-05	1.08E-05	blue
0.3873846	0.3448906	0.820708	0.1107634	0.04335285	0.7963503	0.2551323	0.2551323	grey
0.836511	0.1674209	0.9829461	0.3682953	0.4117491	0.7259094	0.02361988	0.02361988	grey
0.8317897	0.1774175	0.8791055	0.9517964	0.4555653	0.4533877	0.00953011	0.00953011	blue
0.641032	0.1560567	0.2832545	0.7647596	0.9207169	0.7077635	0.8849476	0.8849476	turquoise
0.3756853	0.1710794	0.6678384	0.3362774	0.3286768	0.3511115	0.4961438	0.4961438	blue
0.7181093	0.07653864	0.4467792	0.4120784	0.2923546	0.3059523	0.00057576	0.00057576	blue
0.1966334	0.07076293	0.5095937	0.2714391	0.3364083	0.8257249	0.3968909	0.3968909	red
0.1248986	0.09609907	0.3451254	0.6471838	0.7696864	0.2435121	1.17E-07	1.17E-07	blue
0.3966688	0.2048168	0.7907056	0.1766032	0.7422819	0.4636735	2.45E-07	2.45E-07	turquoise
0.5053356	0.664713	0.3395842	0.2478268	0.5624775	0.09461615	0.8805802	0.8805802	turquoise
0.5657306	0.4148356	0.2354291	0.6764257	0.5267508	0.5371629	0.09204865	0.09204865	grey
0.2579666	0.2225238	0.292527	0.1643953	0.9835501	0.8962499	0.1888566	0.1888566	blue
0.7484313	0.04832006	0.2925443	0.8147964	0.2203347	0.2974516	7.79E-05	7.79E-05	blue
0.4432079	0.4667896	0.1571227	0.2560305	0.4951779	0.2827002	0.2118734	0.2118734	turquoise
0.6190501	0.2638861	0.81501	0.4744861	0.5810205	0.3218506	5.78E-07	5.78E-07	grey
0.1022587	0.6693422	0.7587939	0.4155975	0.738085	0.6263548	0.480014	0.480014	blue
0.637978	0.590099	0.2530598	0.3472697	0.2953868	0.05104967	0.2704373	0.2704373	turquoise
0.1418365	0.2972885	0.2445572	0.0228949	0.8965469	0.1455154	0.8183598	0.8183598	grey
0.574054	0.4892447	0.06177568	0.773681	0.7541479	0.07264085	9.23E-05	9.23E-05	turquoise
0.8093108	0.926761	0.00062873	0.5992121	0.895588	0.2351395	0.00112015	0.00112015	tan
0.3071758	0.6840583	0.04534823	0.3098825	0.1745466	0.7289407	0.3047372	0.3047372	grey
0.4126638	0.3025729	0.00518358	0.2322812	0.3571173	0.02164806	0.0047677	0.0047677	turquoise
0.2492138	0.8669732	0.227934	0.9670386	0.925139	0.3796509	0.2366536	0.2366536	turquoise
0.2061287	0.880858	0.08659044	0.2174794	0.6974903	0.4796928	0.1438208	0.1438208	lightcyan
0.2929382	0.1920663	0.02927959	0.336671	0.623679	0.389403	0.01040054	0.01040054	turquoise
0.5910129	0.8828688	0.02580127	0.4937788	0.9394404	0.02677793	0.02849496	0.02849496	turquoise
0.8979984	0.05103118	0.06651046	0.6865736	0.64049	0.9800604	0.02673695	0.02673695	grey
0.544447	0.1879377	0.3312661	0.0104945	0.4706554	0.2392998	0.03376397	0.03376397	grey
0.05481179	0.4529341	0.1398275	0.6435989	0.904325	0.6944226	0.1112407	0.1112407	orange
0.9398663	0.4318426	0.7446702	0.6865424	0.7975933	0.3602439	0.0133503	0.0133503	turquoise
0.2240311	0.7403777	0.9132817	0.0876372	0.918398	0.2966488	0.1555259	0.1555259	grey
0.2180725	0.8768491	0.2827775	0.8534726	0.8507479	0.200593	1.95E-05	1.95E-05	black
0.8048588	0.1213542	0.06984383	0.9552723	0.9365439	0.2593002	2.19E-05	2.19E-05	blue
0.5307452	0.1913541	0.01518607	0.5926399	0.7872711	0.5061704	2.41E-19	2.41E-19	yellow
0.9693692	0.1147543	0.01652594	0.0889829	0.139392	0.7668988	1.66E-07	1.66E-07	brown
0.920193	0.8668506	0.3534007	0.376824	0.00218731	0.7780883	0.7149692	0.7149692	grey
0.523348	0.8054571	0.1989338	0.7095042	0.03153805	0.9686655	0.5142481	0.5142481	turquoise
0.1935414	0.1741798	0.1331889	0.6506715	0.9826498	0.6979651	0.01827878	0.01827878	blue
0.3143486	0.962475	0.1515143	0.9211812	0.6672034	0.9350525	0.00754266	0.00754266	grey
0.8927087	0.3216909	0.6769322	0.5834863	0.605021	0.02454908	3.14E-05	3.14E-05	blue
0.8376593	0.2544517	0.01910569	0.0054013	0.414604	0.2153697	0.3584006	0.3584006	grey
0.1170222	0.2704511	0.3940659	0.095984	0.5673504	0.811343	0.7523202	0.7523202	grey
0.03042077	0.1224415	0.3244889	0.296148	0.1999406	0.8675504	0.00253407	0.00253407	yellow
0.6301721	0.5547783	0.2080606	0.4955672	0.7104892	0.9897256	0.0692968	0.0692968	grey
0.7137133	0.04366578	0.05250848	0.7073295	0.3527976	0.06103797	0.225007	0.225007	turquoise
0.5199099	0.00117892	0.07277087	0.3315422	0.9200983	0.579179	6.06E-14	6.06E-14	yellow
0.9830409	0.9787506	0.2806091	0.0090467	0.6083744	0.4528648	0.9973907	0.9973907	grey
0.7030269	0.6665538	0.890735	0.2038601	0.3325793	0.08045478	0.6667783	0.6667783	grey
0.9184893	0.403585	0.4286565	0.0924321	0.4489959	0.585371	0.4064161	0.4064161	grey
0.7770412	0.1173353	0.1477448	0.4829919	0.7929252	0.3146662	6.04E-07	6.04E-07	turquoise
0.8046553	0.4631166	0.03528743	0.3411026	0.9503916	0.1670405	0.04570326	0.04570326	blue
0.8790122	0.8825735	0.04162469	0.3082233	0.1109158	0.1549278	0.2236025	0.2236025	grey
0.4908012	0.5577181	0.05314682	0.3130221	0.1509923	0.2043715	0.07188165	0.07188165	grey
0.6537936	0.06451017	0.8454882	0.3506138	0.7347314	0.434462	0.1950434	0.1950434	blue
0.8785114	0.9746241	0.7725039	0.6322079	0.682899	0.9661443	0.5036304	0.5036304	grey
0.6489381	0.6157369	0.08441656	0.8470969	0.4755447	0.8704549	8.02E-05	8.02E-05	blue
0.2407682	0.2073983	0.3945323	0.745509	0.7722932	0.1453263	0.1422038	0.1422038	grey
0.2846248	0.1384284	0.313095	0.8145959	0.363781	0.5675577	0.00318113	0.00318113	grey

0.1904694	0.3869518	0.2885298	0.7665407	0.9324915	0.786509	0.1080122	0.1080122	grey
0.6288863	5.56E-05	0.00189487	0.3752828	0.7053778	0.8596296	1.45E-31	1.45E-31	brown
0.8038037	0.08899066	0.01341772	0.0663451	0.5753756	0.4605553	5.44E-08	5.44E-08	brown
0.4968852	0.8366292	0.9430419	0.031192	0.8783692	0.4503896	0.2037918	0.2037918	grey
0.3167173	0.7608301	0.06023757	0.4200763	0.7961308	0.737435	0.8220409	0.8220409	blue
0.1723061	0.816612	0.2752215	0.3593349	0.8158458	0.3502089	5.44E-07	5.44E-07	grey
0.9572587	0.01257473	0.01132644	0.3578445	0.9198042	0.8461396	1.32E-14	1.32E-14	brown
0.4239405	0.881919	0.4278	0.3500428	0.9361125	0.6598306	0.1543527	0.1543527	lightcyan
0.7293814	0.3236938	0.1714558	0.8424716	0.4839328	0.06957924	0.2031252	0.2031252	turquoise
0.0070606	0.5337829	0.1333648	0.2620667	0.8180952	0.907702	0.04671132	0.04671132	blue
0.1319778	0.2458372	0.1341512	0.6252332	0.4534811	0.176215	8.15E-07	8.15E-07	turquoise
0.3531747	0.8135128	0.4055401	0.5128363	0.898945	0.1868773	0.00364833	0.00364833	blue
0.5028969	0.9653234	0.04740382	0.2725406	0.3125817	0.04417811	0.8243773	0.8243773	turquoise
0.03407355	0.5685009	0.4835772	0.7827078	0.5337944	0.7390789	0.5128151	0.5128151	grey
0.7167168	0.2505836	0.2698917	0.1708888	0.5905055	0.4121758	0.3937803	0.3937803	darkturquoise
0.8754026	0.660983	0.1111069	0.0308117	0.7266283	0.4214601	0.02027956	0.02027956	turquoise
0.05030554	0.1206775	0.9940823	0.6433305	0.3895052	0.6592326	0.01724312	0.01724312	lightgreen
0.5001832	0.02014968	0.02110134	0.1539447	0.4007741	0.6470802	7.72E-20	7.72E-20	brown
0.5817469	0.9705522	0.08541745	0.2547813	0.03442066	0.5665239	0.6731622	0.6731622	salmon
0.3606084	0.06240408	0.05521156	0.4907342	0.00272049	0.8810849	7.60E-11	7.60E-11	brown
0.06430796	0.6210614	0.3650138	0.52903	0.5574976	0.2684889	0.827448	0.827448	lightyellow
0.9986538	0.9492347	0.06091266	0.255551	0.6466427	0.07714217	0.6550313	0.6550313	purple
0.2632168	0.8769643	0.1073454	0.0866197	0.6327784	0.1017009	0.02909154	0.02909154	grey
0.645254	0.03947814	0.00363667	0.0009134	0.6377912	0.01038773	8.68E-06	8.68E-06	blue
0.9597649	0.00112893	0.1830282	0.9992366	0.2012365	0.4564068	0.00030347	0.00030347	grey
0.4140454	0.7094994	0.2196903	0.4640929	0.2352192	0.4039103	0.00978174	0.00978174	grey
0.4910665	0.5788617	0.00872003	0.6796015	0.9223394	0.748337	0.0002651	0.0002651	brown
0.00647579	0.8422099	0.07955506	0.1916405	0.2244116	0.2062259	0.06975122	0.06975122	darkred
0.3010607	0.6823006	0.02201228	0.1762144	0.8500811	0.1245069	0.1937234	0.1937234	turquoise
0.6862585	0.2071975	0.00636888	0.0921703	0.6380593	0.04426353	0.02031862	0.02031862	turquoise
0.5367008	0.00590859	0.00107521	0.1684962	0.5673741	0.6513502	1.21E-08	1.21E-08	brown
0.1381691	0.85517	0.00673989	0.0924861	0.7475616	0.08523151	0.2178293	0.2178293	green
0.5376187	0.470876	0.01259506	0.052147	0.7284925	0.0111554	0.00047579	0.00047579	turquoise
0.6451834	0.01211031	0.00090027	0.0408014	0.1220097	0.8266973	2.83E-19	2.83E-19	brown
0.9515334	0.7807818	0.00195745	0.6148388	0.9326508	0.101478	0.5373848	0.5373848	turquoise
0.9417807	0.06601971	0.1530039	0.8851925	0.5387921	0.3206423	0.00246716	0.00246716	turquoise
0.521475	0.144972	0.00354217	0.296069	0.4475679	0.08236977	2.57E-10	2.57E-10	turquoise
0.04083048	0.9139563	0.9250374	0.6142779	0.3729088	0.6968383	0.4165681	0.4165681	turquoise
0.3608827	0.5326096	0.01193645	0.3987011	0.3752335	0.1558241	0.09777902	0.09777902	turquoise
0.05945708	0.0673499	0.00161889	0.0336602	0.7601356	0.1003953	0.5364211	0.5364211	grey
0.3344321	0.0079579	0.0001135	0.2796222	0.07089288	0.3181138	3.36E-14	3.36E-14	brown
0.6557236	0.014752	0.2504741	0.6743646	0.8286668	0.5646943	7.25E-21	7.25E-21	yellow
0.8489163	0.469747	0.6380419	0.7128762	0.8017272	0.88848	0.1779373	0.1779373	grey
0.3294467	0.00919388	0.455125	0.9912575	0.2355151	0.7359482	1.17E-06	1.17E-06	blue
0.2108245	0.4253473	0.4155511	0.5366939	0.5170847	0.8428106	0.04085935	0.04085935	darkred
0.6335623	0.5594369	0.0856082	0.0767854	0.3016014	0.08160037	0.4645992	0.4645992	grey
0.3451856	0.1204221	0.1083915	0.5420094	0.9570015	0.3076441	0.3467007	0.3467007	darkred
0.7271303	0.232723	0.08769815	0.1626524	0.0697295	0.8602254	0.00011212	0.00011212	brown
0.5705599	0.4445384	0.02407941	0.0559007	0.4373997	0.4786553	0.1179557	0.1179557	turquoise
0.1281699	0.8571911	0.7904861	0.9967377	0.8027764	0.490192	0.6176293	0.6176293	blue
0.837067	0.1038438	0.533528	0.701689	0.6592392	0.7385658	0.7073092	0.7073092	grey
0.4536769	0.18409	0.7317037	0.4547848	0.3033228	0.1412585	1.80E-07	1.80E-07	turquoise
0.7731388	0.5039654	0.6752288	0.8464582	0.3081225	0.1031198	0.4115438	0.4115438	grey
0.8612581	0.6388405	0.9925631	0.419594	0.3801121	0.5116212	7.90E-06	7.90E-06	grey
0.9819712	0.8226263	0.9843612	0.9555057	0.9099816	0.506315	0.3089512	0.3089512	blue
0.4433377	0.6571437	0.9709996	0.9102275	0.6065521	0.2795107	0.1519588	0.1519588	grey
0.1907417	0.3791985	0.271844	0.6320875	0.9222853	0.4815888	0.01815062	0.01815062	turquoise
0.06107423	0.09692179	0.2139521	0.5972155	0.8652069	0.6157657	0.05879934	0.05879934	blue
0.08857389	0.06313253	0.04056314	0.1643537	0.8176397	0.9376264	0.08466884	0.08466884	grey
0.3352503	0.975517	0.3901426	0.690853	0.9308454	0.9407127	0.8987197	0.8987197	greenyellow
0.1445419	0.7482211	0.00596296	0.3780376	0.8134905	0.6882971	0.8646774	0.8646774	turquoise

0.2597102	0.1854305	0.5900651	0.3647866	0.9206933	0.5370532	0.266658	0.266658	blue
0.1704211	0.3064745	0.4493061	0.8816876	0.7349403	0.3424553	0.03640467	0.03640467	grey
0.01126484	0.5124415	0.2536414	0.2016507	0.4775978	0.9473704	0.2852622	0.2852622	grey
0.7169609	0.9321118	0.05371379	0.0557951	0.1311716	0.03801309	2.13E-06	2.13E-06	grey
0.1662898	0.9006254	0.3430811	0.3276495	0.5632983	0.2794444	0.2544856	0.2544856	grey
0.6107797	0.08423784	0.9445201	0.0540796	0.8130658	0.2237273	0.2647657	0.2647657	grey
0.2742656	0.5436657	0.7526993	0.2715623	0.1259001	0.4796956	0.04195775	0.04195775	grey
0.0014054	0.05310685	0.2646798	0.2665065	0.6738344	0.8664573	0.04344522	0.04344522	grey
0.557479	0.00494316	0.1216597	0.55546	0.3332472	0.06734213	0.00071358	0.00071358	turquoise
0.8869175	0.933092	0.00771843	0.1516912	0.3547319	0.03679771	0.2232179	0.2232179	turquoise
0.1093984	0.1095308	0.4717601	0.375353	0.7053093	0.2362388	0.071457	0.071457	grey
0.7268212	0.6627728	0.5233669	0.9064253	0.2818945	0.9098891	0.2347148	0.2347148	grey
0.1218805	0.8285315	0.05085459	0.3887298	0.2102155	0.5812219	0.5918796	0.5918796	blue
0.02129564	0.3810355	0.6160676	0.6177092	0.7027566	0.9143372	0.02693264	0.02693264	blue
0.8914566	0.1512889	0.00699076	0.8064033	0.9450963	0.6156428	2.99E-07	2.99E-07	brown
0.04449483	0.6618055	0.719964	0.6344011	0.1794087	0.2474528	0.7935292	0.7935292	grey
0.8112897	0.4998357	0.09438489	0.6266153	0.5960707	0.3045283	0.1981033	0.1981033	grey
0.679259	0.04024194	0.00983034	0.5065788	0.6042488	0.02073965	0.00180915	0.00180915	grey
0.4438435	0.7894652	0.9685458	0.3557182	0.9789068	0.7110319	0.07851557	0.07851557	midnightblue
0.9824056	0.1746345	0.00594642	0.5120556	0.9427355	0.08464701	0.00022261	0.00022261	turquoise
0.7178663	0.519806	0.02816096	0.3020914	0.5522943	0.3486889	0.04498646	0.04498646	red
0.9336502	0.3549496	0.2883341	0.1845441	0.09299711	0.2845619	0.00073822	0.00073822	turquoise
0.3153121	0.1682347	0.1491444	0.869794	0.7150137	0.4860709	4.92E-06	4.92E-06	blue
0.9715613	0.8057666	0.00150244	0.3059713	0.9742835	0.555045	1.01E-05	1.01E-05	magenta
0.02500603	0.489546	0.1649838	0.2966225	0.5919939	0.7976528	0.06163205	0.06163205	grey
0.03032622	0.903096	0.0152596	0.7280652	0.3955056	0.2429453	0.5530105	0.5530105	grey
0.08115889	0.2721648	0.3056264	0.7566329	0.6756967	0.7834865	0.6715008	0.6715008	purple
0.624715	0.2360623	0.8431392	0.4289951	0.9912052	0.3009257	0.2392283	0.2392283	grey
0.87287	0.8212523	0.00094904	0.0355357	0.4251709	0.2447284	9.14E-08	9.14E-08	yellow
0.6692763	0.00258679	0.8214689	0.8530703	0.992192	0.7826865	0.3068408	0.3068408	greenyellow
0.5655169	0.6571729	0.6744962	0.8145083	0.1765395	0.4110683	0.4058063	0.4058063	grey
0.4547987	0.6641167	0.1174914	0.8736277	0.713188	0.531511	0.4920302	0.4920302	grey
0.4430004	0.1359909	0.2800543	0.2217821	0.2645706	0.5841404	0.126163	0.126163	turquoise
0.6665505	0.06102393	0.00207161	0.0468955	0.619151	0.6356359	5.26E-31	5.26E-31	yellow
0.4298886	0.2141497	0.3351661	0.9408504	0.4550854	0.5379945	0.0005734	0.0005734	blue
0.2661032	0.6851346	0.00212	0.2954968	0.359553	0.0211212	0.2256579	0.2256579	turquoise
0.4637187	0.5863204	0.00090157	0.3565846	0.2707046	0.2861767	0.1526153	0.1526153	turquoise
0.8090655	0.8289869	0.05519003	0.8541796	0.5522868	0.883316	0.6120582	0.6120582	turquoise
0.6325192	0.2703799	0.448598	0.6254503	0.1239892	0.7250249	6.44E-06	6.44E-06	blue
0.9687734	0.00331754	0.00210361	0.6382596	0.451892	0.6833566	1.23E-05	1.23E-05	brown
0.5923943	0.20922	0.1584341	0.5113997	0.3047356	0.3625179	3.00E-36	3.00E-36	yellow
0.7459379	0.09683016	0.5049411	0.1171169	0.4322311	0.2410404	0.09760243	0.09760243	blue
0.00317308	0.03382632	0.1528539	0.8948699	0.5714615	0.2024618	0.01235143	0.01235143	blue
0.3668398	0.05191289	0.9415715	0.7192698	0.6010917	0.955811	7.41E-07	7.41E-07	yellow
0.3903489	0.01891969	0.00068272	0.9934351	0.4337132	0.1683042	0.9631184	0.9631184	tan
0.4216311	0.7317535	0.242047	0.5505877	0.8608888	0.1853383	9.82E-13	9.82E-13	lightgreen
0.5075957	0.1208552	0.4638454	0.5736407	0.557023	0.6398828	0.2865681	0.2865681	black
0.1252015	0.07966928	0.9483658	0.3038012	0.9039346	0.6464343	9.00E-08	9.00E-08	grey
0.7451882	0.5259659	0.1592409	0.6353581	0.3476683	0.6133089	0.05309542	0.05309542	cyan
0.0366499	0.03619824	0.3321303	0.4840131	0.5776183	0.6519386	0.3850862	0.3850862	grey
0.05099078	0.05563971	0.8977469	0.798114	0.9531239	0.5721587	4.46E-05	4.46E-05	blue
0.9991867	0.1212491	0.8275908	0.2303165	0.4154465	0.8307903	0.6381069	0.6381069	blue
0.2524351	0.5963176	0.00027033	0.0631428	0.7732906	0.06265655	1.82E-05	1.82E-05	turquoise
0.6771249	0.1944472	0.00094329	0.2767509	0.4159428	0.5874811	0.00466578	0.00466578	turquoise
0.8159074	0.04800907	0.1494481	0.0781336	0.8338985	0.03621948	2.45E-12	2.45E-12	yellow
0.4251167	0.3485928	0.2038169	0.4288779	0.1663755	0.1999467	0.02324931	0.02324931	turquoise
0.8338546	0.00159837	0.0668905	0.1671668	0.3461471	0.2668672	0.00077363	0.00077363	grey60
0.8783771	0.900746	4.86E-05	0.2271019	0.8122443	0.04068256	0.00068466	0.00068466	tan
0.9725838	0.08097009	0.3258725	0.9585286	0.391157	0.4330402	2.24E-06	2.24E-06	blue
0.4836898	0.3073125	0.1379838	0.7346842	0.4048952	0.5018199	1.39E-05	1.39E-05	turquoise
0.04393961	0.06324328	0.146093	0.4004846	0.4354081	0.91305	0.00718106	0.00718106	blue

0.1115583	0.5942421	0.9668942	0.0053415	0.737206	0.00545497	0.1791458	0.1791458	grey
0.9130611	0.619499	0.2975625	0.4404999	0.2186291	0.1312926	0.00620165	0.00620165	blue
0.911539	0.07033813	0.8962942	0.1158025	0.6678331	0.8926979	4.56E-07	4.56E-07	magenta
0.6640158	0.2609667	0.59451	0.3113553	0.5633874	0.4814008	0.7896083	0.7896083	red
0.8640455	0.3039645	0.02106645	0.4471643	0.3423178	0.1660496	0.00019074	0.00019074	blue
0.08678984	0.1951401	0.4067671	0.6710866	0.8296698	0.293743	4.27E-07	4.27E-07	blue
0.03109421	0.3259067	0.5846407	0.3495406	0.9055933	0.25477	0.01303459	0.01303459	grey
0.4852676	0.4239057	0.04730836	0.8033418	0.6227326	0.8838756	0.07008117	0.07008117	grey
0.9268295	0.4132585	0.05738544	0.1593914	0.9375068	0.0784516	0.2264277	0.2264277	green
0.08697703	0.8564783	0.6691139	0.2990579	0.6464157	0.6761174	0.2619678	0.2619678	purple
0.4253158	0.4018998	0.644296	0.9852934	0.8509416	0.4108712	0.00124954	0.00124954	blue
0.1795745	0.3335294	0.8918821	0.2080894	0.9385252	0.8396286	0.2240944	0.2240944	green
0.7454521	0.867677	0.02200081	0.521148	0.6511681	0.5954131	0.1298244	0.1298244	turquoise
0.3720664	0.1817598	0.1319496	0.5093694	0.9656988	0.1115616	0.05600914	0.05600914	turquoise
0.1291753	0.292231	0.1590112	0.14119	0.6604624	0.8915684	0.9516775	0.9516775	green
0.5158666	0.04489548	0.3689803	0.2574747	0.4346238	0.02630296	0.00014052	0.00014052	grey
0.8364285	0.7738477	0.00032123	0.6039462	0.2138552	0.6557383	0.9213836	0.9213836	turquoise
0.2150912	0.1100124	0.00879914	0.6873937	0.1103888	0.3512014	0.02920952	0.02920952	blue
0.3483279	0.2073048	0.00386246	0.1874829	0.7812078	0.1795283	0.2016573	0.2016573	grey
0.4577899	0.00942112	0.0036142	0.0542089	0.9665478	0.1252095	0.01159317	0.01159317	greenyellow
0.2633788	0.3165279	0.2865779	0.121448	0.1595815	0.02128354	0.6756712	0.6756712	blue
0.6805991	0.1225008	0.01346104	0.7992474	0.3284877	0.4015125	0.00023899	0.00023899	grey
0.583535	0.3117323	0.00342688	0.2482414	0.1034064	0.05414834	0.1649735	0.1649735	turquoise
0.9501093	0.1616748	0.00269909	0.294799	0.3713281	0.01388638	3.27E-05	3.27E-05	turquoise
0.324376	0.08759319	0.09666787	0.6757038	0.9305982	0.1540157	8.12E-05	8.12E-05	blue
0.114967	0.07913382	0.2252968	0.5757081	0.8443668	0.4813937	0.00025061	0.00025061	blue
0.8657197	0.7021887	0.1526782	0.9432615	0.8514498	0.7370369	0.00266697	0.00266697	blue
0.00631332	0.7293919	0.8000938	0.8379619	0.3717471	0.768208	0.4744267	0.4744267	turquoise
0.8953886	0.01096421	0.01511938	0.0862655	0.4208484	0.5834884	4.20E-07	4.20E-07	yellow
0.9789481	0.2482505	0.3075473	0.6412399	0.5704474	0.737233	1.51E-05	1.51E-05	brown
0.6050242	0.2239413	0.191597	0.427949	0.5680463	0.9553299	0.00043503	0.00043503	brown
0.3562927	0.5272061	0.5245262	0.2887429	0.2078016	0.07240963	0.00089271	0.00089271	turquoise
0.68813	0.7438456	0.9863399	0.9627046	0.548496	0.8914075	0.2618252	0.2618252	cyan
0.1813651	0.03055977	0.00243323	0.0034868	0.5835932	0.04845045	2.05E-14	2.05E-14	brown
0.7220981	0.02886915	0.05267098	0.7669575	0.9594308	0.5022118	8.41E-08	8.41E-08	blue
0.6760137	0.3662164	0.0139714	0.2821191	0.8264051	0.1031518	0.5021587	0.5021587	turquoise
0.5023211	0.3986028	0.00409936	0.3117931	0.4461099	0.2387178	0.00848302	0.00848302	tan
0.684417	0.3978113	0.04301922	0.3292999	0.852537	0.00928384	0.06528476	0.06528476	turquoise
0.370921	0.8712548	0.07543737	0.5257292	0.9352678	0.02327356	0.6270385	0.6270385	turquoise
0.5411803	0.2695233	0.3056639	0.7951141	0.3944375	0.1833411	0.01989095	0.01989095	turquoise
0.4550693	0.1641528	0.3834826	0.9740429	0.8715166	0.5066824	1.91E-06	1.91E-06	turquoise
0.362866	0.1915521	0.06756729	0.3334229	0.7220304	0.5212493	0.00050038	0.00050038	blue
0.2126878	0.4798474	0.9382302	0.4727034	0.2937887	0.1022289	0.08426532	0.08426532	turquoise
0.3174712	0.00934432	0.2560707	0.4222321	0.6236434	0.6211653	0.3128982	0.3128982	grey
0.7355942	0.03389913	0.8928524	0.4912756	0.4875252	0.5173396	8.30E-07	8.30E-07	blue
0.58703	0.704261	0.8538965	0.3351522	0.799124	0.02325934	0.8309984	0.8309984	white
0.4385767	0.2926661	0.6722335	0.5997234	0.6590158	0.396387	0.2500387	0.2500387	grey
0.1698767	0.2879932	0.6551616	0.09502	0.9281918	0.3136238	0.04409653	0.04409653	turquoise
0.6133747	0.5556714	0.6754932	0.8062177	0.840461	0.9459421	0.5769464	0.5769464	grey
0.1724206	0.5929952	0.4466042	0.2386737	0.6615038	0.4586055	0.3310435	0.3310435	grey
0.9511205	0.180269	0.6203588	0.3388692	0.02020592	0.2528125	0.04676969	0.04676969	blue
0.2771872	0.7631718	0.1622581	0.9109563	0.8546244	0.1731789	0.4265385	0.4265385	turquoise
0.2468221	0.3925488	0.1500877	0.8194153	0.3234322	0.872198	0.5254989	0.5254989	grey
0.8836834	0.3102141	0.9173684	0.7157712	0.2513357	0.5954763	0.5163834	0.5163834	grey
0.4767531	0.9825139	0.848974	0.6681144	0.4986554	0.5174101	0.0288491	0.0288491	turquoise
0.6173878	0.1565409	0.1493468	0.8774609	0.2069282	0.6543131	0.00145144	0.00145144	turquoise
0.706335	0.1418072	0.0585306	0.4671301	0.8196685	0.2395856	0.345064	0.345064	darkred
0.3969876	0.00881869	0.08524165	0.6378135	0.5510708	0.2889304	7.59E-20	7.59E-20	brown
0.7834948	0.06113441	0.00274608	0.0985232	0.2265919	0.5020963	0.07389276	0.07389276	magenta
0.9064499	0.02988425	0.01216395	0.7014886	0.9033146	0.1493688	0.04081088	0.04081088	blue
0.4424485	0.01883177	0.9285258	0.3508801	0.5755358	0.4787157	5.16E-08	5.16E-08	blue

0.2161449	0.477097	0.04679236	0.2719131	0.7147999	0.3006258	0.2175867	0.2175867	grey
0.6849955	0.5185702	0.1233991	0.9126223	0.387623	0.1187097	4.69E-05	4.69E-05	blue
0.4834117	0.7928017	0.00894454	0.7150417	0.812226	0.5462572	0.05591319	0.05591319	green
0.9803762	0.5049833	0.0602777	0.7185439	0.5625321	0.4688925	0.2441003	0.2441003	grey
0.6501486	0.1619991	0.3976752	0.9403735	0.9158972	0.9568965	0.02285796	0.02285796	grey
0.5698788	0.6396364	0.07683782	0.1425674	0.06782546	0.0534776	1.07E-08	1.07E-08	yellow
0.5129187	0.8429495	0.1907128	0.789653	0.9266658	0.9055806	0.8482467	0.8482467	grey
0.7358569	0.02031861	0.08593289	0.9210272	0.6215053	0.6103587	4.90E-18	4.90E-18	yellow
0.2437936	0.08586743	0.6573709	0.8934359	0.6926622	0.7702661	0.9051996	0.9051996	cyan
0.2776429	0.7350505	0.975537	0.2443052	0.8673802	0.9282839	0.7880066	0.7880066	blue
0.7650305	0.7909289	0.7938644	0.5807224	0.01263765	0.7270769	0.00087709	0.00087709	grey
0.2183774	0.095019	0.00394097	0.0542775	0.4014385	0.08061076	0.00148399	0.00148399	turquoise
0.1923026	0.01074263	0.250748	0.9922493	0.6147294	0.5655727	0.4194653	0.4194653	lightgreen
0.06411956	0.4140754	0.2067211	0.3611833	0.7600051	0.9118779	7.85E-10	7.85E-10	yellow
0.07000045	0.1208231	0.3366375	0.0481787	0.2654922	0.1622671	0.6715806	0.6715806	lightcyan
0.9814362	0.00061209	0.09957169	0.9131505	0.4084805	0.8923505	4.89E-11	4.89E-11	brown
0.9306942	0.7503294	0.00676906	0.2214084	0.438363	0.198084	0.7615641	0.7615641	grey
0.8068895	0.8742545	0.7089642	0.9386554	0.6640424	0.05926893	0.3957219	0.3957219	skyblue
0.02342695	0.9627312	0.3316365	0.6161693	0.8472953	0.9227773	0.0248975	0.0248975	grey
0.1942674	0.2765987	0.5108238	0.1025006	0.2437652	0.4309176	6.29E-05	6.29E-05	blue
0.8497147	0.2240802	0.1782381	0.7949874	0.5852466	0.2874041	0.8729157	0.8729157	turquoise
0.9903896	0.471848	0.1006393	0.7999041	0.7386634	0.3872793	0.834638	0.834638	turquoise
0.9744193	0.08697675	0.0410453	0.0525333	0.1606477	0.01348025	0.1131509	0.1131509	green
0.8328323	0.7434115	0.275595	0.5965579	0.5667235	0.8218437	1.10E-12	1.10E-12	lightgreen
0.9271468	0.582103	0.2883069	0.3583875	0.8960906	0.7913518	0.2215573	0.2215573	turquoise
0.8346847	0.9785013	0.00783336	0.2663709	0.3457499	0.03773407	0.00599537	0.00599537	green
0.9506783	0.1624945	0.5654532	0.8870335	0.7725819	0.7330241	0.1292524	0.1292524	blue
0.184003	0.6227543	0.01864845	0.4545324	0.7520712	0.2049546	0.00234851	0.00234851	blue
0.688455	0.1903611	0.8323098	0.9602156	0.4789163	0.5991485	0.8557895	0.8557895	red
0.2970551	0.9373062	0.9011265	0.4871062	0.4974086	0.8110302	0.3470771	0.3470771	grey
0.6967071	0.2965646	0.1350949	0.1007896	0.881465	0.06116628	0.0174005	0.0174005	turquoise
0.6491058	0.6493736	0.09134345	0.6249622	0.9298208	0.4759818	0.1111285	0.1111285	darkred
0.8790988	0.6211903	0.8590223	0.7596917	0.6885732	0.3324892	0.08730895	0.08730895	grey
0.384875	0.2373103	0.09765233	0.3587393	0.4868888	0.00557065	0.8430384	0.8430384	turquoise
0.8431333	0.1760241	0.02026535	0.35527	0.9890596	0.09381716	5.46E-07	5.46E-07	blue
0.472051	0.4447416	0.00662951	0.0828088	0.9459281	0.4376657	0.00130126	0.00130126	turquoise
0.4307407	0.3219336	0.00034029	0.3939459	0.1798925	0.05449528	0.0393645	0.0393645	blue
0.2820975	0.4506759	0.8655594	0.3698384	0.5848689	0.0370154	0.0009817	0.0009817	turquoise
0.5184562	0.7207139	0.416042	0.5356279	0.411766	0.8722481	0.00012051	0.00012051	grey
0.2652734	0.07531099	0.05754762	0.3342222	0.4549689	0.4640818	0.8703918	0.8703918	turquoise
0.3201309	0.03840074	0.9092687	0.8243574	0.9253315	0.3935594	0.00012745	0.00012745	blue
0.2809683	0.6899498	0.801997	0.7131079	0.9783063	0.8809338	1.60E-05	1.60E-05	grey
0.3697259	0.05681683	0.08466447	0.5298746	0.9232386	0.170558	2.68E-15	2.68E-15	yellow
0.2547236	0.6334076	0.7220084	0.3100212	0.227067	0.4678513	0.2135858	0.2135858	blue
0.345113	0.9681883	0.1511177	0.2339668	0.9971625	0.2469645	0.09218702	0.09218702	grey
0.8890924	0.08065681	0.09379436	0.1011651	0.6176619	0.3440739	2.19E-06	2.19E-06	magenta
0.6121589	0.7979128	0.1349128	0.450083	0.1134399	0.3756616	0.00027961	0.00027961	blue
0.9037922	0.672894	0.1817467	0.6328631	0.04020146	0.0970855	0.03124715	0.03124715	grey
0.03820536	0.100035	0.3723132	0.2460022	0.2572903	0.5464353	1.64E-07	1.64E-07	brown
0.06681601	0.487919	0.0109027	0.9296089	0.7101941	0.2296654	1.46E-06	1.46E-06	blue
0.9940594	0.52003	0.01970917	0.1851673	0.5894084	0.849523	0.8521991	0.8521991	grey
0.685222	0.04788958	0.2080101	0.4150625	0.8150536	0.6613211	0.00048479	0.00048479	blue
0.1952587	0.6948997	0.0273694	0.8473007	0.9055166	0.3326226	0.0967111	0.0967111	turquoise
0.9229233	0.4860835	0.01530795	0.9436215	0.4692906	0.8951812	0.0093151	0.0093151	magenta
0.7087483	0.8713212	0.06951235	0.2190227	0.7042713	0.113806	0.7939	0.7939	turquoise
0.1506383	0.0008566	0.1658505	0.0746104	0.7180301	0.01983664	4.00E-06	4.00E-06	brown
0.2809373	0.5551423	0.4196211	0.9088092	0.4134764	0.6598792	0.513466	0.513466	blue
0.3057315	0.5364485	0.8105774	0.10819	0.9045603	0.4379373	0.02704398	0.02704398	grey
0.2541658	0.1678228	0.00495666	0.2131316	0.972521	0.1451766	0.4368576	0.4368576	turquoise
0.7504255	0.06229857	0.4326006	0.2340162	0.5329919	0.4877389	5.58E-06	5.58E-06	turquoise
0.5197247	0.1640938	0.3889012	0.08672	0.08471886	0.02688504	0.0267827	0.0267827	blue

0.2830993	0.3609718	0.01576935	0.0331873	0.8722036	0.04279704	0.00064931	0.00064931	turquoise
0.1506903	0.00031411	0.2604321	0.2833743	0.386437	0.7438503	0.00025468	0.00025468	blue
0.4500571	0.3808645	0.6353085	0.30761	0.2482994	0.3887873	0.00071666	0.00071666	turquoise
0.393096	0.1208267	0.1617075	0.587964	0.8350235	0.8450246	0.9511239	0.9511239	grey
0.3817449	0.9250006	0.7761583	0.9887267	0.07204754	0.09284998	0.04271148	0.04271148	grey
0.3306834	0.3399858	0.4522266	0.3116637	0.9576459	0.2631779	0.2536585	0.2536585	grey
0.1221588	0.00039919	0.522062	0.3829866	0.4677207	0.7910113	2.72E-07	2.72E-07	blue
0.375984	0.8239536	0.07219263	0.0241107	0.8830457	0.01558528	0.01931962	0.01931962	turquoise
0.4170179	0.2224822	0.4289041	0.0509975	0.6836644	0.2480478	0.00113068	0.00113068	purple
0.9251828	0.3696498	0.4204675	0.614666	0.6781928	0.3110768	0.00598171	0.00598171	grey
0.1014327	0.4967232	0.2508629	0.4874709	0.5659502	0.8630294	0.00586712	0.00586712	grey
0.2179541	0.7876093	0.5389151	0.0984697	0.9397661	0.06174071	0.7260229	0.7260229	grey
0.2712619	0.04765717	0.03938092	0.0804317	0.8118911	0.05843893	0.07203984	0.07203984	grey
0.9956346	0.05835586	0.6490902	0.5730846	0.1398203	0.5949121	7.42E-12	7.42E-12	blue
0.3591198	0.04178913	0.04223161	0.3498802	0.3141473	0.7289554	4.41E-24	4.41E-24	brown
0.8669539	0.1542396	0.647349	0.3632107	0.7204797	0.8969485	0.00151624	0.00151624	black
0.4153863	0.7266148	0.00694387	0.1085534	0.4219118	0.1334122	0.00058814	0.00058814	turquoise
0.4693475	0.7599037	0.6338639	0.2048346	0.3350069	0.3176097	0.01520245	0.01520245	turquoise
0.09387729	0.4275511	0.00204276	0.0244384	0.1781961	0.09292637	0.1875312	0.1875312	turquoise
0.1402169	0.1696066	0.3505407	0.0647517	0.4204976	0.4414628	0.01904914	0.01904914	grey
0.2949178	0.8493565	0.18648	0.9571743	0.7007917	0.3863929	0.05148636	0.05148636	turquoise
0.5255527	0.3740316	0.8416198	0.8441706	0.3721095	0.1732081	0.068802	0.068802	grey
0.6176761	0.9957795	0.2045194	0.2908741	0.4077035	0.4352753	0.0091928	0.0091928	grey
0.5706628	0.4323456	0.4892681	0.4826536	0.8288043	0.7612884	0.01791589	0.01791589	grey
0.9162862	0.4857901	0.01523167	0.0835351	0.8862791	0.1204685	0.373637	0.373637	turquoise
0.901737	0.6866387	0.8933825	0.4043126	0.3709306	0.7763689	0.3263666	0.3263666	royalblue
0.6849205	0.00114358	0.00954254	0.2473023	0.2964464	0.2848493	4.46E-16	4.46E-16	brown
0.1814755	0.01626779	0.750117	0.9989706	0.4809722	0.9186954	3.92E-05	3.92E-05	grey
0.03405145	0.4740422	0.9747538	0.3082111	0.03776193	0.2165969	0.3791912	0.3791912	grey
0.03565334	0.00638708	0.3166464	0.1304316	0.7304783	0.04285493	5.78E-06	5.78E-06	turquoise
0.9882038	0.00450808	0.02490321	0.0391025	0.9268366	0.3607485	1.63E-15	1.63E-15	yellow
0.5203038	0.03280519	0.3231659	0.2870081	0.5523262	0.9120212	7.28E-05	7.28E-05	blue
0.1274841	0.6965714	0.8904165	0.8222033	0.5162775	0.5798977	0.6034954	0.6034954	red
0.976774	0.02661715	0.1070597	0.5878095	0.7692554	0.7841526	8.79E-11	8.79E-11	brown
0.9654219	0.1899264	0.1946068	0.743361	0.435377	0.385659	0.00396041	0.00396041	turquoise
0.2162115	0.06203009	0.01266793	0.0253904	0.05476959	0.05737903	0.02361388	0.02361388	turquoise
0.1508952	0.451121	0.9827	0.4767978	0.4779254	0.5194093	0.104595	0.104595	blue
0.2628887	0.06353498	0.05584567	0.5203903	0.9659451	0.34037	0.7409358	0.7409358	darkred
0.5809338	0.5992014	0.00146213	0.0826366	0.2867187	0.02345613	0.00166842	0.00166842	blue
0.9377601	0.4840782	0.2981078	0.8307689	0.2306978	0.1223694	0.7659993	0.7659993	turquoise
0.3721131	0.6240808	0.4837248	0.7092838	0.8373712	0.335212	1.36E-10	1.36E-10	grey
0.621295	0.1018904	0.4419038	0.5931977	0.9841205	0.1318673	0.07476116	0.07476116	grey
0.4337095	0.04807969	0.4163707	0.2825204	0.6604573	0.7813453	0.00045539	0.00045539	brown
0.4593815	0.3449254	0.9455368	0.7477119	0.7256303	0.7597311	0.2068156	0.2068156	turquoise
0.215689	0.7597496	0.1262202	0.1976275	0.5454643	0.08482319	0.04042201	0.04042201	blue
0.7500649	0.1189527	0.6372351	0.7172831	0.01259395	0.8487466	0.7314425	0.7314425	grey
0.1711354	0.5779886	0.40965	0.2285082	0.7135026	0.5110709	0.2727898	0.2727898	blue
0.7842837	0.569466	0.7521223	0.64483	0.191625	0.7082256	0.0309763	0.0309763	grey
0.6345594	0.8431802	0.0599114	0.282969	0.7108722	0.0573235	0.09229335	0.09229335	turquoise
0.9139681	0.6116839	0.8795611	0.1454909	0.6315992	0.7260196	0.9633315	0.9633315	grey
0.2710097	0.05200686	0.5703679	0.7283824	0.4770977	0.1567853	0.07318371	0.07318371	darkorange
0.3504899	0.1015551	0.06533772	0.2202174	0.3960074	0.07568066	0.283097	0.283097	grey60
0.7230648	0.561742	0.07968148	0.1477528	0.2201439	0.06350425	0.8269816	0.8269816	turquoise
0.7058781	0.2834415	0.01049049	0.5915349	0.7195345	0.2485039	0.00433279	0.00433279	magenta
0.4544805	0.005155	0.01983181	0.4470802	0.7924324	0.4767748	6.21E-18	6.21E-18	brown
0.6093282	0.265799	0.8296359	0.1360597	0.6361894	0.4745813	0.06076415	0.06076415	turquoise
0.71514	0.00047762	0.00165989	0.1741679	0.7775993	0.5896554	6.27E-22	6.27E-22	brown
0.3905787	0.9728659	0.4859929	0.4942158	0.2590536	0.07671733	0.03242523	0.03242523	grey
0.00652507	0.5984008	0.07721488	0.0447379	0.07395139	0.1537711	0.5406872	0.5406872	grey
0.6035824	0.1574307	0.2120666	0.6502293	0.6193252	0.4501764	0.5383522	0.5383522	grey
0.8237025	0.8235131	0.02047853	0.8949391	0.243945	0.8671313	0.6860758	0.6860758	grey

0.8059078	0.8811101	0.2957524	0.7703942	0.5201976	0.399783	0.1108383	0.1108383	blue
0.4555314	0.00585313	0.05203614	0.5846634	0.8797415	0.5587436	1.03E-09	1.03E-09	brown
0.8907674	0.4472521	4.62E-05	0.0213916	0.2800121	0.06437339	0.01095513	0.01095513	green
0.4804982	0.3230999	0.978968	0.4342162	0.1647735	0.1988716	0.1722858	0.1722858	turquoise
0.7465678	0.1890373	0.5764567	0.3615118	0.3121632	0.1824013	2.76E-14	2.76E-14	grey
0.5525641	0.7328677	0.1443618	0.9477578	0.5939105	0.4666977	8.69E-30	8.69E-30	yellow
0.05513499	0.7608662	0.00950604	0.968199	0.3752716	0.0785878	0.03512048	0.03512048	blue
0.9371386	0.8632515	6.53E-05	0.0380806	0.2520019	0.04883071	0.00126037	0.00126037	green
0.3661332	0.755821	0.1905061	0.952105	0.9309254	0.3055069	0.02429131	0.02429131	turquoise
0.556713	0.46847	0.411054	0.7627933	0.4962125	0.8337341	0.5886496	0.5886496	grey
0.7726062	0.4732741	0.1326435	0.7495243	0.6280965	0.5435143	0.9518681	0.9518681	grey
0.07012809	0.4500767	0.01138384	0.0491578	0.5005018	0.01342343	0.01910028	0.01910028	turquoise
0.1082249	0.2106819	0.1220231	0.6295282	0.09988754	0.03018605	0.2621363	0.2621363	grey
0.5864477	0.8207232	0.4265128	0.0680854	0.7533535	0.9890257	0.1594344	0.1594344	grey
0.5809613	0.4974099	0.9051816	0.6280901	0.4085139	0.9749551	0.4249432	0.4249432	turquoise
0.4944608	0.938562	0.01103916	0.0547863	0.6498099	0.04713343	0.01817526	0.01817526	turquoise
0.5490961	0.870022	0.00148089	0.0215047	0.2709229	0.04411164	0.06951254	0.06951254	grey
0.2860216	0.9733105	0.7793458	0.9575697	0.7219017	0.3012594	0.00845982	0.00845982	grey
0.1022821	0.5726174	0.16479	0.5277418	0.7936648	0.01986165	2.05E-05	2.05E-05	darkorange
0.7701355	0.8943214	0.09690029	0.0089309	0.4854895	0.1033016	0.1742982	0.1742982	turquoise
0.4700529	0.5080023	0.00857611	0.0676897	0.8574977	0.06414654	0.1657675	0.1657675	grey
0.1548494	0.4552073	0.00573807	0.9145517	0.6775175	0.4461854	0.03278244	0.03278244	turquoise
0.258386	0.5442553	0.3915413	0.1923921	0.5359193	0.2438963	7.23E-08	7.23E-08	green
0.8198716	0.00029199	0.1556958	0.4528567	0.771671	0.94921	0.0009705	0.0009705	greenyellow
0.02591967	0.0032066	0.3481755	0.3132235	0.4862869	0.3181132	0.00045942	0.00045942	grey
0.4235785	0.9037878	0.2639861	0.554735	0.650813	0.4283181	0.2119625	0.2119625	magenta
0.5075358	0.9375301	0.2267962	0.1805217	0.09878613	0.4858309	0.8918684	0.8918684	turquoise
0.1867019	0.8870523	0.8292958	0.5711004	0.1062287	0.2671496	0.273527	0.273527	turquoise
0.9310867	0.5990879	0.00130905	0.017576	0.06986718	0.08987065	0.01284041	0.01284041	turquoise
0.7539299	4.48E-05	0.0081464	0.2352446	0.9614662	0.7941331	1.53E-19	1.53E-19	yellow
0.8263229	0.8083009	0.3255796	0.8421706	0.3465797	0.7403886	0.6515394	0.6515394	turquoise
0.3562508	0.01721709	0.1813725	0.0281675	0.7497077	0.3526872	1.24E-05	1.24E-05	blue
0.7725943	0.4445855	0.09677186	0.6675611	0.5580437	0.2495635	1.02E-07	1.02E-07	turquoise
0.4857801	0.3134106	0.43701	0.1726591	0.5958098	0.07816064	0.08293192	0.08293192	grey
0.7888596	0.5300171	0.5695253	0.5523921	0.3094559	0.2732399	0.09021038	0.09021038	blue
0.83528	0.7113921	0.03445865	0.2937358	0.4866404	0.04144482	0.00621699	0.00621699	turquoise
0.5353573	0.359961	0.6258333	0.9319439	0.3466519	0.3623119	0.1616006	0.1616006	turquoise
0.959307	0.6219098	0.8795479	0.2770246	0.7593247	0.7411808	0.00063683	0.00063683	grey
0.05700032	0.4448761	0.7369725	0.1959005	0.5940107	0.5944773	0.4502063	0.4502063	grey
0.2686817	0.04807882	0.7829527	0.5494989	0.6269526	0.8364939	0.5776553	0.5776553	grey
0.4211058	0.8596359	0.1469761	0.0208739	0.8184062	0.3366293	1.12E-05	1.12E-05	yellow
0.3280583	0.01025083	0.00161751	0.1546111	0.4488588	0.289596	0.00101934	0.00101934	grey
0.4974706	0.2618168	0.7368865	0.4304676	0.615425	0.4250619	0.1074031	0.1074031	turquoise
0.3196796	0.06675072	0.02552795	0.2707955	0.3037934	0.6569768	0.6126321	0.6126321	darkturquoise
0.03672103	0.1043662	0.5927423	0.1534109	0.02474957	0.6186099	0.209851	0.209851	turquoise
0.7106554	0.09130585	0.9599821	0.4912311	0.411243	0.1339388	8.96E-08	8.96E-08	blue
0.7227392	0.8283058	0.02351333	0.4885256	0.7099848	0.01602578	2.40E-05	2.40E-05	turquoise
0.2250242	0.5771582	0.03983512	0.1127043	0.6223022	0.01391436	0.3551563	0.3551563	turquoise
0.179708	0.6641108	0.7070061	0.5361005	0.1224569	0.6404103	0.4544627	0.4544627	turquoise
0.8377079	0.4636257	0.7958149	0.0528333	0.9554104	0.5896051	0.2711521	0.2711521	black
0.6478071	0.00172403	0.02795406	0.4957026	0.810658	0.1989681	1.90E-05	1.90E-05	grey
0.2959534	0.8401721	0.591487	0.0119393	0.8798658	0.8863163	0.00299449	0.00299449	grey
0.1070379	0.6632308	0.9132768	0.5852408	0.8411977	0.5295526	9.74E-05	9.74E-05	greenyellow
0.07465073	0.1728633	0.7038753	0.5944804	0.1366051	0.0493942	0.06598643	0.06598643	turquoise
0.508357	0.2602295	0.01666077	0.2980602	0.3063663	0.08143484	0.1421564	0.1421564	green
0.2381621	0.4614974	0.6549347	0.8223581	0.4013113	0.1433971	0.01303447	0.01303447	turquoise
0.434655	0.1787096	5.02E-05	0.0755158	0.7408127	0.00058742	0.01085469	0.01085469	darkred
0.3387961	0.06979982	0.1482659	0.7215069	0.9260746	0.8178003	2.96E-08	2.96E-08	red
0.03573943	0.7682441	0.1681284	0.3389264	0.929598	0.2546564	0.7921558	0.7921558	greenyellow
0.2091662	0.669749	0.5926129	0.3630636	0.7688962	0.9466462	0.5318042	0.5318042	grey
0.9846305	0.4123629	0.7785579	0.5354491	0.454374	0.9720071	5.57E-06	5.57E-06	lightgreen

0.2424947	0.00255904	0.02159723	0.6983564	0.7816579	0.9309134	4.99E-10	4.99E-10	brown
0.2439668	0.349693	0.03062601	0.0334197	0.5050054	0.07540394	0.8822498	0.8822498	turquoise
0.1345052	0.3094277	0.4892048	0.3812303	0.1848094	0.8613243	0.8567179	0.8567179	turquoise
0.4788331	0.6413452	0.05009596	0.1354045	0.04762802	0.08191989	0.2764258	0.2764258	turquoise
0.2020334	0.8460761	0.2635926	0.0592492	0.6688642	0.2282182	0.00386548	0.00386548	grey
0.1839677	0.8221257	0.01936366	0.0139127	0.8574316	0.04752145	0.2062461	0.2062461	grey
0.09995659	0.00294717	0.146778	0.1770512	0.7288078	0.03381383	0.0547624	0.0547624	blue
0.6541755	0.1395133	0.04159127	0.5129285	0.9234792	0.6903341	5.94E-21	5.94E-21	yellow
0.3377122	0.4879906	0.1088589	0.3295	0.2188465	0.07358645	0.5293606	0.5293606	turquoise
0.4419314	0.09624446	0.5821927	0.8203216	0.3085645	0.7141354	1.17E-05	1.17E-05	blue
0.560349	0.9958323	0.0572222	0.1764347	0.1613231	0.04229861	0.04028555	0.04028555	grey
0.3649217	0.7998181	0.09864874	0.1769895	0.4268323	0.2156687	0.7814238	0.7814238	turquoise
0.5444248	0.0735548	0.06019254	0.6626693	0.5233465	0.8807498	0.00064532	0.00064532	brown
0.1943248	0.1042197	0.150241	0.379852	0.753694	0.4345741	0.1616538	0.1616538	darkred
0.8370998	0.2660563	0.06676452	0.2685774	0.1908102	0.0911587	0.794359	0.794359	turquoise
0.1781705	0.0093048	0.03968024	0.8568325	0.9753376	0.4862735	2.89E-08	2.89E-08	brown
0.2597985	0.2251473	0.03343585	0.4852494	0.1808443	0.850912	0.00295349	0.00295349	grey
0.9795855	0.1425204	0.9101116	0.8569974	0.1684565	0.7476142	0.2916169	0.2916169	cyan
0.2571992	0.01284057	0.06187434	0.2198874	0.6633118	0.1530208	0.1771462	0.1771462	grey
0.2697199	0.9363237	0.00467419	0.4632803	0.4983018	0.01938091	0.6786905	0.6786905	blue
0.4308687	0.4622002	0.6819453	0.8305121	0.8976276	0.7969547	0.446381	0.446381	royalblue
0.1754917	0.3306158	0.1688493	0.2355221	0.9102515	0.1898468	0.2980251	0.2980251	red
0.2485397	0.9230024	0.1027309	0.4374303	0.8963929	0.7456662	0.307035	0.307035	blue
0.8871456	0.7895435	0.01570701	0.0990406	0.6511281	0.2433003	0.09045902	0.09045902	turquoise
0.0502335	0.5789462	0.404357	0.727218	0.1509466	0.2255912	0.00743928	0.00743928	red
0.5218844	0.8836986	0.6923314	0.7810372	0.7292211	0.8881353	0.4491357	0.4491357	salmon
0.8963559	0.5134543	0.2724742	0.2441976	0.2913584	0.7629697	0.04274254	0.04274254	turquoise
0.3795745	0.09959923	0.03660855	0.5093424	0.873531	0.06544342	0.00172537	0.00172537	blue
0.5168191	0.2691869	0.4168914	0.3238495	0.6773652	0.238383	0.03908132	0.03908132	grey
0.5368419	0.6391805	0.8008432	0.4366262	0.3902807	0.6822283	0.6012701	0.6012701	turquoise
0.00317596	0.04155739	0.3402886	0.651481	0.7450854	0.2723512	0.748701	0.748701	grey
0.2402076	0.4435084	0.213627	0.9857828	0.6003429	0.2895233	0.2963904	0.2963904	grey
0.1072388	0.2193987	0.02112039	0.1335729	0.8303498	0.09872775	0.1894672	0.1894672	grey
0.3001655	0.7693558	0.08100848	0.1445115	0.5533835	0.2801121	1.13E-05	1.13E-05	grey
0.112187	0.1534027	0.3459672	0.7465983	0.9299981	0.2802883	0.1440498	0.1440498	grey
0.3214417	0.06002331	0.3755023	0.1430529	0.4618414	0.1542646	0.2199386	0.2199386	turquoise
0.00334809	0.2463719	0.1464984	0.5302171	0.9444717	0.5775833	0.1052147	0.1052147	blue
0.75531	0.5491926	0.0158288	0.8954242	0.67295	0.7072077	0.00157122	0.00157122	magenta
0.1123993	2.91E-05	0.7756809	0.9195916	0.3023235	0.7803148	1.72E-06	1.72E-06	grey
0.01566656	0.787203	0.7893124	0.9491829	0.4841194	0.1175111	0.9760933	0.9760933	grey
0.9410319	0.447439	0.4580199	0.0297995	0.769556	0.3113725	0.2558167	0.2558167	blue
0.1299324	0.6818215	0.07238115	0.8867455	0.6608459	0.1803036	0.765871	0.765871	turquoise
0.4433737	0.5474209	0.9833333	0.9192788	0.8149184	0.5209148	3.96E-05	3.96E-05	grey
0.6787923	0.2865095	0.00624634	0.5158177	0.00229309	0.2181224	0.00321459	0.00321459	turquoise
0.1107172	0.02507643	0.3585805	0.2015064	0.6264417	0.7005033	7.65E-12	7.65E-12	yellow
0.5292718	0.9391205	0.8356106	0.8586291	0.473168	0.2440731	0.01148939	0.01148939	blue
0.929582	0.7192066	0.5234377	0.1931146	0.6662948	0.09154628	0.02225256	0.02225256	grey
0.7114527	0.1584388	0.194969	0.8455658	0.6528368	0.446523	0.0024259	0.0024259	green
0.03964996	0.3990577	0.884878	0.7651704	0.4668309	0.9031813	0.7415093	0.7415093	grey
0.9541912	0.1524982	0.00050197	0.2213853	0.5461817	0.1936481	0.8998398	0.8998398	magenta
0.4275133	0.8613346	0.3019161	0.1045308	0.5809598	0.9720972	0.5426009	0.5426009	blue
0.4772503	0.6422595	0.1581379	0.2874137	0.4147196	0.9780115	0.3620479	0.3620479	grey
0.9778495	0.05394152	0.7982517	0.456471	0.7982498	0.2625143	0.08555885	0.08555885	grey
0.1075746	0.1445599	0.9641942	0.5679144	0.7982336	0.2480878	0.5248149	0.5248149	grey
0.6732711	0.6531688	0.5963714	0.650802	0.7660328	0.33091	0.00014487	0.00014487	turquoise
0.2533752	0.452581	0.08763048	0.7723628	0.5666411	0.7124137	0.1005996	0.1005996	grey
0.2355485	0.3911029	0.01596844	0.3562776	0.7851314	0.1619626	0.01471491	0.01471491	turquoise
0.5891819	0.09900007	0.7961327	0.5155694	0.8737193	0.1339588	3.81E-08	3.81E-08	blue
0.2350294	0.5330269	0.6429431	0.5481502	0.4467116	0.6323527	0.1139426	0.1139426	grey
0.2134701	0.1376694	0.5568227	0.4557279	0.04324445	0.6653274	0.00149208	0.00149208	grey
0.9284357	0.2359562	0.00018076	0.1703289	0.7394745	0.9822567	1.88E-36	1.88E-36	yellow

0.3390037	0.1789233	0.1039778	0.8716384	0.3846641	0.7029693	9.32E-06	9.32E-06	turquoise
0.00850115	0.973075	0.3613747	0.8037747	0.242814	0.5474682	0.4210617	0.4210617	grey
0.9362379	0.3927988	0.2989384	0.554917	0.9778204	0.474724	0.03830429	0.03830429	blue
0.8652432	0.5244334	0.2083309	0.8061525	0.2653123	0.5265766	3.68E-07	3.68E-07	grey
0.353557	0.6525142	0.04953764	0.9025765	0.3480922	0.5810531	0.00572188	0.00572188	grey
0.9571971	0.871307	0.00691512	0.3471875	0.5311532	0.3058546	0.1405419	0.1405419	pink
0.5240383	0.8116695	0.06046537	0.1496291	0.7626913	0.01889282	7.06E-05	7.06E-05	blue
0.6551574	0.5542906	0.8490429	0.6688733	0.6897139	0.9881909	0.01640283	0.01640283	white
0.5966918	0.2777401	0.06117667	0.4135695	0.9794275	0.07543105	8.41E-08	8.41E-08	grey
0.725963	0.1680503	0.9310721	0.2690955	0.6836753	0.8035639	0.00296049	0.00296049	darkgreen
0.5542344	0.3881929	0.7814733	0.596353	0.5436906	0.2964017	0.02172479	0.02172479	grey
0.4088983	0.00609834	0.2368575	0.3205597	0.6491043	0.2423358	0.00417963	0.00417963	grey
0.1612947	0.7966663	0.7061986	0.3790186	0.4885746	0.3292502	0.3080316	0.3080316	grey
0.1493891	0.0254702	0.7809329	0.4132169	0.7084109	0.149569	0.00424979	0.00424979	yellow
0.8171858	0.1636556	0.1663218	0.9496078	0.9701095	0.7468403	0.2000418	0.2000418	brown
0.2493896	0.938568	0.00045378	0.2115308	0.7137773	0.08922985	0.0179756	0.0179756	green
0.9706058	0.07519642	0.6492715	0.8728665	0.6650794	0.9510456	4.45E-06	4.45E-06	blue
0.1456802	0.8586296	0.04605555	0.2548181	0.00199645	0.01780408	0.2670596	0.2670596	grey
0.6393206	0.00142373	0.2222926	0.8544704	0.6887813	0.6627062	9.05E-21	9.05E-21	brown
0.03214588	0.9466839	0.3572122	0.5156035	0.8361174	0.4263805	0.4237062	0.4237062	midnightblue
0.2637245	0.1312063	0.8137578	0.1002864	0.6321394	0.4911943	0.0100743	0.0100743	grey
0.7329404	0.9020843	0.00986087	0.4073759	0.7481804	0.3856277	0.00113815	0.00113815	turquoise
0.1565453	0.3782795	0.09166625	0.0429978	0.8341124	0.1088679	0.5676128	0.5676128	green
0.762335	0.2567498	0.2655297	0.3647336	0.8906614	0.01588328	0.5146012	0.5146012	turquoise
0.1585284	0.04891558	0.1770909	0.719932	0.7671842	0.8308487	9.17E-09	9.17E-09	blue
0.112569	0.02287518	0.5315257	0.7197187	0.8481403	0.1973259	9.23E-05	9.23E-05	blue
0.5981577	0.3249228	0.2462265	0.1662091	0.09413554	0.5763458	6.93E-07	6.93E-07	yellow
0.7217592	0.2599161	0.4885488	0.4296311	0.4588081	0.2884837	0.00041063	0.00041063	turquoise
0.0835459	0.1577491	0.8876852	0.9443649	0.2723498	0.6148733	0.9959046	0.9959046	blue
0.6113633	0.6326679	0.01997892	0.6188942	0.6767751	0.251765	0.1767372	0.1767372	turquoise
0.7838264	0.616343	0.6462781	0.7203834	0.4200916	0.5250762	0.1365695	0.1365695	grey
0.3608336	0.870358	0.497	0.8547433	0.8153247	0.5090421	8.61E-05	8.61E-05	grey
0.0710848	0.6678744	0.46614	0.6474021	0.9862354	0.7894814	0.5037438	0.5037438	orange
0.1295325	0.00219407	0.0009365	0.1762029	0.1968544	0.3032124	4.73E-21	4.73E-21	brown
0.1490286	0.2241662	0.638876	0.055147	0.865733	0.1023528	0.06454437	0.06454437	grey
0.3023181	0.3043678	0.2339886	0.5420422	0.3525074	0.9176764	0.4629525	0.4629525	grey
0.2614339	0.705533	0.749671	0.2195203	0.97846	0.09732367	0.368877	0.368877	grey
0.2701831	0.6883931	0.6928424	0.7916038	0.562615	0.8805112	0.00449111	0.00449111	midnightblue
0.4848002	0.6858155	0.01942554	0.6513908	0.7389945	0.1773426	0.02396163	0.02396163	darkred
0.06104986	0.3577682	0.1355658	0.0309111	0.3450564	0.05664978	0.5926002	0.5926002	turquoise
0.4359075	0.6349621	0.3803138	0.3219576	0.2288711	0.1890727	0.6694675	0.6694675	midnightblue
0.4005649	0.851311	0.7660822	0.936023	0.3415979	0.3716286	0.2233533	0.2233533	grey
0.00690558	0.485472	0.1567434	0.7159469	0.7647805	0.7906733	0.00052649	0.00052649	blue
0.3213364	0.9728194	0.7363182	0.6522103	0.037119	0.2159343	0.7524232	0.7524232	grey
0.1974336	0.5296838	0.7178729	0.7407771	0.7633372	0.7879695	0.01665406	0.01665406	turquoise
0.8749035	0.9003283	0.1534908	0.1776791	0.1286568	0.0486678	0.00039768	0.00039768	blue
0.2387074	0.5810904	0.06676257	0.7144964	0.5916366	0.3424567	0.02051413	0.02051413	black
0.05279899	0.3864302	0.7996429	0.8596059	0.8049117	0.5252398	0.1128829	0.1128829	turquoise
0.7572158	0.08516038	0.00648879	0.0900735	0.9487133	0.4497501	2.57E-05	2.57E-05	turquoise
0.2961713	0.106166	0.03046614	0.0664725	0.5047417	0.4331884	0.2502602	0.2502602	turquoise
0.03173587	0.02985006	0.3112811	0.5409771	0.2088293	0.9535668	0.3260181	0.3260181	grey
0.4823814	0.05662973	0.3873503	0.4807255	0.2202649	0.6875381	8.87E-09	8.87E-09	brown
0.4850885	0.5345064	0.04196156	0.2746693	0.191245	0.3880205	0.02187209	0.02187209	yellow
0.4508271	0.8392125	0.6188027	0.0674456	0.9822323	0.8449176	0.03788396	0.03788396	blue
0.8753937	0.3342196	0.8299851	0.0044831	0.4551924	0.00845331	0.3481719	0.3481719	grey
0.07555717	0.558502	0.01241949	0.1043846	0.2639788	0.1682543	1.50E-07	1.50E-07	yellow
0.4792831	0.2004968	0.6111658	0.6222244	0.5525271	0.9719576	0.8594134	0.8594134	grey
0.8992689	0.03415414	0.6501469	0.4036393	0.3432774	0.6586751	0.1832742	0.1832742	turquoise
0.674175	0.6892443	0.04104188	0.171442	0.3907209	0.06198734	0.9925386	0.9925386	white
0.7382933	0.7817708	0.9601932	0.2946452	0.09746706	0.5278177	0.07642537	0.07642537	grey
0.3610047	0.9013953	0.9357787	0.4272876	0.2552897	0.1117372	0.00082947	0.00082947	turquoise

0.9294773	0.2639426	0.02784574	0.0686364	0.3245928	0.313278	0.04869762	0.04869762	grey
0.8517084	0.3781782	0.01756189	0.4719186	0.8612204	0.01893784	0.9909579	0.9909579	turquoise
0.07602169	0.00160424	0.00369247	0.0171452	0.808834	0.2404735	2.42E-05	2.42E-05	yellow
0.6894529	0.355103	0.7713083	0.6017386	0.7685031	0.5689292	0.7238749	0.7238749	turquoise
0.02873489	0.3186191	0.9356888	0.0637012	0.9168111	0.828649	0.6667017	0.6667017	blue
0.3776639	0.04028608	0.3304586	0.7452938	0.5211977	0.9006192	3.53E-07	3.53E-07	grey
0.6227247	0.1536122	0.1906368	0.4349389	0.508522	0.234141	0.2734694	0.2734694	grey
0.4888422	0.00610883	0.7644816	0.4544826	0.9289363	0.3673101	0.3019972	0.3019972	greenyellow
0.1424123	0.1025384	0.1642682	0.3891328	0.4533891	0.6825988	0.4473799	0.4473799	turquoise
0.5376757	0.4379317	0.4995287	0.6963896	0.08942143	0.09302988	0.09172344	0.09172344	grey
0.8875808	0.1551313	0.2258276	0.8239363	0.6389306	0.7483471	0.3065592	0.3065592	blue
0.9622103	0.03979831	0.825979	0.7094683	0.8355231	0.3262589	3.29E-08	3.29E-08	turquoise
0.2575023	0.09009661	0.6527801	0.1408077	0.5644074	0.3335183	0.7035583	0.7035583	midnightblue
0.686738	0.3754769	0.5212857	0.3610061	0.9045893	0.9516831	0.4610125	0.4610125	blue
0.04384178	0.03400223	0.7538489	0.4106387	0.8953925	0.2461348	0.02010122	0.02010122	grey
0.8917687	0.9157016	0.00033969	0.0336028	0.1807502	0.0153297	0.00181989	0.00181989	green
0.9109634	0.1547901	0.1235992	0.8806288	0.899556	0.5821675	0.9324612	0.9324612	grey
0.6525458	0.2168262	0.01729709	0.1548611	0.5451314	0.4791118	0.00012635	0.00012635	green
0.9373597	0.2718692	0.03466414	0.1927162	0.6375769	0.1424455	2.93E-05	2.93E-05	grey
0.1565158	0.2661618	0.250723	0.4547884	0.6952662	0.2414006	1.41E-06	1.41E-06	blue
4.77E-05	0.5013537	0.6694843	0.1190951	0.5269222	0.6644536	0.7198746	0.7198746	grey
0.202996	0.7504567	0.4405621	0.3907827	0.9912991	0.7299496	3.45E-06	3.45E-06	blue
0.9680237	0.1603014	0.3566902	0.8873489	0.6111909	0.6624713	0.8813762	0.8813762	royalblue
0.7630299	0.2492005	0.7922631	0.7924373	0.1235648	0.3617523	0.004176	0.004176	grey
0.9759364	0.5046631	0.799032	0.9845896	0.5305348	0.9914661	0.00350921	0.00350921	blue
0.7473313	0.7262022	0.0016516	0.0367279	0.822546	0.00799023	0.7340577	0.7340577	turquoise
0.9093165	0.0936068	0.1487535	0.2517628	0.5176659	0.3966339	0.7395528	0.7395528	grey
0.9161633	0.4490057	0.1718688	0.9402638	0.7252457	0.7209039	0.00362264	0.00362264	yellow
0.00653184	0.2533538	0.3503194	0.9484649	0.123552	0.2509302	0.07164198	0.07164198	midnightblue
0.8597647	0.9167619	0.00015865	0.62823	0.8805799	0.1074176	0.00749428	0.00749428	tan
0.3804968	0.3889629	0.01021203	0.3089204	0.6786128	0.07856621	0.2518664	0.2518664	turquoise
0.5720134	0.3948763	0.191092	0.958018	0.8811033	0.7936435	0.05009614	0.05009614	turquoise
0.2410922	0.2069047	0.9368728	0.9817102	0.5237316	0.3859175	0.4029034	0.4029034	grey
0.817031	0.8139918	0.01904552	0.8954897	0.4141223	0.2139039	0.2269425	0.2269425	turquoise
0.6130265	0.1848583	0.8372528	0.6969771	0.8528395	0.302853	0.2562064	0.2562064	grey
0.5755726	0.3732393	0.1730848	0.8433243	0.9567528	0.5341476	0.1839832	0.1839832	purple
0.3913201	0.9046294	0.6987438	0.8274992	0.5527815	0.6502076	0.06768132	0.06768132	turquoise
0.6003114	0.04598033	0.2213123	0.3423677	0.6277886	0.1899788	3.63E-07	3.63E-07	brown
0.8736417	0.5220631	0.00951609	0.1923075	0.3849865	0.02406016	0.00021865	0.00021865	turquoise
0.8121052	0.9034659	0.5635882	0.6801273	0.6982326	0.8938003	0.05660756	0.05660756	grey
0.2318491	0.667075	0.00829452	0.7925522	0.6241798	0.5822961	4.11E-09	4.11E-09	magenta
0.5408856	0.6867706	0.00097899	0.3781783	0.2666852	0.3059393	0.0675224	0.0675224	tan
0.1564551	0.2242561	0.1923179	0.4898591	0.9461965	0.1189878	0.00276069	0.00276069	turquoise
0.8747962	0.1713838	0.1962981	0.1265809	0.7392761	0.113359	0.915803	0.915803	grey
0.1913304	0.00332163	0.1913999	0.6770041	0.9947491	0.08499408	1.07E-07	1.07E-07	blue
0.1227294	0.2679646	0.06311505	0.1297693	0.7461131	0.2317276	0.07562738	0.07562738	turquoise
0.8530515	0.7408476	0.0064441	0.7667989	0.9769053	0.8921289	6.07E-20	6.07E-20	yellow
0.1605341	0.4669299	0.5595119	0.224041	0.2108764	0.1843032	0.02090629	0.02090629	turquoise
0.5919447	0.02353111	0.2032314	0.8326121	0.4839606	0.1728152	0.00332531	0.00332531	blue
0.3100935	0.7079879	0.3187469	0.5993812	0.7467088	0.3658931	0.08772964	0.08772964	turquoise
0.806976	0.2106909	0.05425169	0.2014731	0.0821429	0.1468986	0.01231838	0.01231838	turquoise
0.00767227	0.8658691	0.8628341	0.0648908	0.0494112	0.353404	0.2580833	0.2580833	grey
0.9248049	0.9766171	0.9536023	0.5283773	0.2172774	0.80397	0.3768441	0.3768441	grey
0.07147886	0.3091264	0.06144517	0.2355625	0.9208385	0.7259218	1.45E-05	1.45E-05	turquoise
0.9038785	0.5271446	0.01683578	0.1002733	0.6957015	0.02042312	0.01727602	0.01727602	grey
0.6671928	0.3956906	0.4432436	0.7937915	0.5569405	0.9334989	0.05841514	0.05841514	grey
0.6260917	0.1521556	0.02603524	0.0792247	0.5177983	0.2231536	9.12E-08	9.12E-08	blue
0.3865112	0.5707952	0.5294339	0.1596766	0.8256586	0.6153963	0.0120282	0.0120282	black
0.8327902	0.04235564	0.2211013	0.3643736	0.3412878	0.5954432	3.83E-06	3.83E-06	blue
0.5497729	0.05372885	0.5615952	0.185107	0.2764091	0.5353268	0.00330053	0.00330053	turquoise
0.4855809	0.1482727	0.3287879	0.4315743	0.3121447	0.9977136	0.521825	0.521825	greenyellow

0.7166355	0.00234298	0.00893842	0.0837229	0.6375487	0.3576241	4.72E-10	4.72E-10	brown
0.6334981	0.03228328	0.8543027	0.9909797	0.9589252	0.6823847	0.00098147	0.00098147	green
0.5947204	0.00182411	0.2274807	0.1870924	0.8423349	0.5214054	9.65E-06	9.65E-06	turquoise
0.2834953	0.4799564	0.9540152	0.7658791	0.8949633	0.9485056	0.1001028	0.1001028	grey
0.9579639	0.2203643	0.1515198	0.4873953	0.784086	0.3643613	4.66E-06	4.66E-06	brown
0.6023736	0.01689278	0.02925417	0.1432846	0.6772316	0.2530517	1.10E-22	1.10E-22	yellow
0.5043214	0.03388668	0.1147329	0.4825058	0.6225324	0.6823307	0.09238885	0.09238885	grey
0.9415429	0.3387656	0.2798486	0.8109658	0.5096298	0.632465	0.3457253	0.3457253	grey
0.01766779	0.3799933	0.460214	0.4056626	0.3948283	0.6258925	0.00249075	0.00249075	lightcyan
0.9053652	0.702519	0.7757747	0.0060694	0.23815	0.1878062	0.2249448	0.2249448	lightcyan
0.7075785	0.6730825	0.4878397	0.5630057	0.7077141	0.2319709	0.1655472	0.1655472	black
0.5622878	0.1506206	0.8317399	0.7214545	0.7119855	0.9198078	0.00052543	0.00052543	grey
0.8345263	0.06523739	0.777246	0.51413	0.919439	0.4857502	0.00026857	0.00026857	grey
0.187733	0.6374644	0.2253574	0.6867212	0.2607736	0.6153903	0.03682706	0.03682706	grey
0.7199631	0.08032876	0.4447385	0.1209717	0.9217105	0.5359425	2.53E-16	2.53E-16	brown
0.9062681	0.1308163	0.1005268	0.5408385	0.1379856	0.00539504	0.1807839	0.1807839	turquoise
0.3194598	0.3050365	0.00726502	0.1140518	0.4399517	0.09350131	0.00087721	0.00087721	green
0.925104	0.02442405	0.1766293	0.9879099	0.3326936	0.9747884	0.1281868	0.1281868	grey
0.4169307	0.02789326	0.0539348	0.3714085	0.2184239	0.3875588	1.02E-09	1.02E-09	brown
0.6575659	0.09458265	0.2409224	0.685353	0.2450241	0.2602583	0.988206	0.988206	grey
0.9712249	0.00084831	0.7492671	0.5200722	0.3637977	0.03205114	2.57E-10	2.57E-10	blue
0.3360604	0.4973724	0.0425597	0.1608973	0.3191287	0.1167006	0.4245909	0.4245909	turquoise
0.8797702	0.8626521	0.06249174	0.0562894	0.7803316	0.05948909	0.01285102	0.01285102	turquoise
0.4100258	0.00222566	0.06456235	0.695255	0.4027544	0.8769662	1.41E-07	1.41E-07	brown
0.9799686	0.04346737	0.8739573	0.7229686	0.5059282	0.6073225	0.01322807	0.01322807	grey
0.7155544	0.02448913	0.05746663	0.0033391	0.6718873	0.2765899	0.03959733	0.03959733	grey
0.2415653	0.8904349	0.2151289	0.4071268	0.1719862	0.2395122	0.00016003	0.00016003	grey
0.1235836	0.1051376	0.844624	0.5884403	0.5050646	0.9070544	0.1650945	0.1650945	grey
0.690194	0.3816583	0.207179	0.6535721	0.60403	0.9480169	0.3892607	0.3892607	grey
0.3926357	0.7355055	0.6265909	0.6750396	0.487162	0.5699537	0.1505577	0.1505577	grey
0.7953395	0.4589135	0.07257847	0.3681676	0.889489	0.1226112	0.8638874	0.8638874	turquoise
0.09187817	0.3257594	0.0063742	0.3978894	0.2339947	0.256776	0.2754572	0.2754572	grey
0.8102077	0.3137421	0.2669207	0.7388967	0.5466405	0.718861	8.51E-07	8.51E-07	blue
0.9086911	0.01102353	0.5239965	0.7427556	0.6109313	0.6154968	0.4113263	0.4113263	grey
0.7223598	0.2494417	0.06460016	0.3650273	0.1510191	0.614233	9.33E-08	9.33E-08	grey
0.4606674	0.03066526	0.05454425	0.21423	0.3669315	0.8458124	3.10E-09	3.10E-09	brown
0.5427765	0.4674412	0.7166152	0.7904644	0.5824986	0.3286021	0.888676	0.888676	grey
0.2678488	0.00294721	0.04882508	0.0753774	0.4850861	0.4920042	3.35E-19	3.35E-19	yellow
0.5801356	0.02912758	0.03918225	0.4638168	0.4096555	0.8461299	0.00019933	0.00019933	blue
0.5807956	0.6667964	0.5000018	0.7263611	0.8814583	0.4300955	0.00732478	0.00732478	grey
0.2642991	0.9914795	0.9784946	0.6555951	0.875498	0.3852092	0.01340091	0.01340091	grey
0.5588923	0.01591983	0.08307434	0.0745893	0.7104485	0.08009782	0.07769131	0.07769131	turquoise
0.8479004	0.5348292	0.2434445	0.7712718	0.7996073	0.2845119	5.50E-08	5.50E-08	green
0.9298275	0.1085388	0.1115918	0.6735558	0.1516915	0.8717863	3.75E-11	3.75E-11	brown
0.2534838	0.02417045	0.3053833	0.8966975	0.1239605	0.6034578	0.07897763	0.07897763	turquoise
0.04341327	0.1181018	0.4033003	0.0605576	0.3002943	0.5926234	0.08894573	0.08894573	turquoise
0.8797642	0.5988817	0.02461607	0.5888289	0.5413313	0.7984669	0.7151956	0.7151956	grey
0.9902904	0.7316709	0.00096011	0.4310777	0.6231751	0.01567843	0.00578277	0.00578277	blue
0.9470861	0.01286107	0.9266517	0.7747966	0.7216662	0.8734659	4.61E-06	4.61E-06	blue
0.08141976	0.8690031	0.0009476	0.84275	0.7572456	0.5796473	0.1294558	0.1294558	turquoise
0.06550255	0.8572612	0.2768468	0.6731897	0.8722592	0.5572017	0.676	0.676	grey
0.5323307	0.08811293	0.7100797	0.4379792	0.5517924	0.8825917	2.05E-07	2.05E-07	blue
0.5445106	0.2164724	0.9623139	0.4924968	0.7424707	0.3080721	1.51E-07	1.51E-07	brown
0.71319	0.2933209	0.02312013	0.9099102	0.8529587	0.4551323	1.09E-05	1.09E-05	blue
0.00939629	0.1118293	0.6023236	0.5769251	0.6211676	0.6470559	6.37E-08	6.37E-08	turquoise
0.9470673	0.07406682	0.08018202	0.3477698	0.9524375	0.1841559	2.34E-06	2.34E-06	blue
0.1629504	0.3224401	0.09776035	0.9811772	0.2332717	0.3606643	0.01820619	0.01820619	grey
0.9556496	0.3429558	0.4033988	0.2451381	0.6788551	0.9940474	0.00651149	0.00651149	red
0.7515488	0.2262354	0.0077183	0.0385103	0.7218412	0.01119279	0.01083859	0.01083859	turquoise
0.7406936	0.5651485	0.3020019	0.381816	0.5835361	0.2062249	4.76E-05	4.76E-05	grey
0.2664156	0.6882471	0.00949113	0.1387303	0.3291216	0.421411	0.01975728	0.01975728	turquoise

0.3295926	0.6459489	0.06039539	0.2267885	0.8522819	0.7107332	0.02521547	0.02521547	grey
0.9461811	0.4576183	0.00482103	0.028743	0.4233347	0.3764862	0.01575004	0.01575004	turquoise
0.7131954	0.8961713	0.2615133	0.6041045	0.4001273	0.3547753	0.00022003	0.00022003	turquoise
0.9076698	0.04426959	0.00865779	0.2997199	0.446674	0.9286892	2.19E-11	2.19E-11	brown
0.4921296	0.1560755	0.6911296	0.8834193	0.9278404	0.1300502	0.1238309	0.1238309	grey
0.8894111	0.04433122	0.8371742	0.6359842	0.8290039	0.2148942	0.00028249	0.00028249	blue
0.06072317	0.8299517	0.1598794	0.4334425	0.748372	0.8707188	0.00244853	0.00244853	brown
0.9877944	0.04572981	0.00304521	0.0225684	0.6791103	0.00830853	0.00531746	0.00531746	turquoise
0.2423982	0.3697546	0.07749963	0.1866435	0.8544383	0.1054944	0.8979441	0.8979441	turquoise
0.4216582	0.04279243	0.110373	0.6298976	0.497275	0.2983361	0.00017389	0.00017389	brown
0.04812513	0.5132725	0.852258	0.9653313	0.6473252	0.6801202	0.2716955	0.2716955	grey
0.6702692	0.03391126	0.3502573	0.9485578	0.594091	0.3696393	0.02821678	0.02821678	brown
0.959834	0.2159827	0.4376428	0.8932952	0.9824791	0.9002126	8.01E-15	8.01E-15	grey
0.3232561	0.2993962	0.3932166	0.9907856	0.02664936	0.9937604	0.8363355	0.8363355	turquoise
0.05470484	0.5046786	0.157384	0.7444239	0.9238506	0.9919117	0.2372021	0.2372021	turquoise
0.6877094	0.02332169	0.2452624	0.4475348	0.8991115	0.2628731	0.0141559	0.0141559	grey
0.117667	0.08557447	0.559251	0.4911051	0.06025012	0.7671356	0.4730794	0.4730794	grey
0.3293898	0.386767	0.3334277	0.1400103	0.00141084	0.9704031	0.8806875	0.8806875	turquoise
0.9373757	0.3862876	0.3404788	0.9769717	0.5443929	0.2880728	8.24E-09	8.24E-09	blue
0.2698669	0.3935004	0.1728296	0.8876813	0.4635423	0.3429683	0.2734492	0.2734492	turquoise
0.5864325	0.00040381	0.01065951	0.4180019	0.7166994	0.7741008	1.83E-22	1.83E-22	yellow
0.3346653	0.2494564	0.3011485	0.2949009	0.4726558	0.1887516	0.7238227	0.7238227	grey
0.9495821	0.05459078	0.8869651	0.9447309	0.8886301	0.3009315	3.98E-05	3.98E-05	blue
0.5633502	0.2419433	0.106804	0.994551	0.6045688	0.6789795	0.2714544	0.2714544	green
0.5342645	0.4054931	0.07920684	0.7665985	0.2378502	0.5403063	0.8869352	0.8869352	turquoise
0.7524263	0.5024041	0.1455861	0.5960009	0.1671998	0.1715241	0.00024975	0.00024975	grey
0.05999728	0.00468892	0.04013236	0.3696713	0.7785485	0.6855903	1.13E-05	1.13E-05	green
0.05937895	0.393796	0.6994193	0.3041818	0.9077573	0.962051	0.2171676	0.2171676	grey
0.2231961	0.9953601	0.4313073	0.7638963	0.8075838	0.2833356	0.8716198	0.8716198	red
0.9630406	0.01340183	0.1097125	0.6162146	0.9051925	0.2822358	0.1337935	0.1337935	tan
0.6460019	0.7060006	0.05989711	0.063435	0.2721978	0.1798975	6.03E-09	6.03E-09	yellow
0.7589811	0.08501483	0.8429339	0.2277855	0.9099525	0.4834585	0.0001718	0.0001718	turquoise
0.5208835	0.241863	0.3046468	0.7799658	0.5974166	0.8142268	0.1714197	0.1714197	blue
0.2664108	0.01125172	0.2005542	0.9536319	0.6368605	0.7297941	0.00174506	0.00174506	turquoise
0.7913391	0.1695303	0.4692802	0.0752752	0.8566767	0.860909	0.2494865	0.2494865	grey
0.0277593	0.00938898	0.02497283	0.1459815	0.8326818	0.4380259	2.16E-07	2.16E-07	grey
0.1934783	0.2507531	0.4357203	0.3249985	0.1660642	0.1537116	0.42267	0.42267	turquoise
0.3954271	0.6263057	0.5763177	0.6666066	0.6864071	0.8662164	0.8279704	0.8279704	turquoise
0.1972088	0.2137946	0.4942119	0.3109073	0.4533797	0.2727263	0.8318795	0.8318795	grey
0.4150774	0.2919247	0.330746	0.1770564	0.4110405	0.1724999	0.04552609	0.04552609	lightcyan
0.1384274	0.3319705	0.09501241	0.1547015	0.6648663	0.03016275	0.9078084	0.9078084	turquoise
0.5271694	0.445447	0.01407458	0.2788168	0.530396	0.101147	0.00021835	0.00021835	green
0.4638092	0.690752	0.05426756	0.8349675	0.419107	0.1939957	0.00111297	0.00111297	turquoise
0.1534602	0.00396522	0.2405952	0.3096641	0.5298239	0.4691042	0.2781034	0.2781034	brown
0.8114735	0.4907962	0.4650315	0.0534492	0.8715006	0.1192302	1.19E-06	1.19E-06	grey
0.4595172	0.1497795	0.00733464	0.1000429	0.6544958	0.1828913	0.00022982	0.00022982	pink
0.8671227	0.6883215	0.03918124	0.2893482	0.06261682	0.7373752	0.0004341	0.0004341	brown
0.2087354	0.4337633	0.3937296	0.0442586	0.1476373	0.915818	0.2807026	0.2807026	blue
0.897453	0.7521687	0.3457224	0.0646403	0.6749237	0.09693485	0.1871633	0.1871633	turquoise
0.3799783	0.8912369	0.06601969	0.1920398	0.2786916	0.8388741	0.1748778	0.1748778	pink
0.0734733	0.1555463	0.7168974	0.8724904	0.9768776	0.6706593	0.02537137	0.02537137	blue
0.7256059	0.0832667	0.0004824	0.0364218	0.2821123	0.3023819	6.41E-14	6.41E-14	yellow
0.168829	0.3844614	0.4463416	0.9012208	0.6517269	0.9736629	0.01077242	0.01077242	lightgreen
0.6560096	0.8301802	0.00066527	0.1067941	0.1911583	0.05206964	0.6897454	0.6897454	magenta
4.82E-27	0.01292336	0.3602651	0.0384116	0.6035484	0.4978619	0.8530786	0.8530786	grey
0.4636286	0.531805	0.0309337	0.8781321	0.8443048	0.544298	0.00014383	0.00014383	brown
0.4608033	0.999041	3.92E-06	0.0180864	0.8854452	0.3409348	0.951379	0.951379	turquoise
0.6967746	0.7002086	0.185765	0.2930261	0.1752164	0.02201199	0.3673618	0.3673618	turquoise
0.9590238	0.6473913	0.2428342	0.6189654	0.7903653	0.8425676	0.05043468	0.05043468	grey
0.5348438	0.1282247	0.4461706	0.3380951	0.8691559	0.6715996	2.48E-08	2.48E-08	blue
0.3995111	0.2557292	0.8543599	0.4192121	0.575361	0.4770254	0.01907986	0.01907986	grey

0.7938189	0.2378364	0.4741509	0.5751201	0.9624437	0.1164851	0.5919186	0.5919186	turquoise
0.5314655	0.04480564	0.04702601	0.0115657	0.6376538	0.0009962	2.51E-05	2.51E-05	brown
0.08345763	0.8513823	0.5080648	0.4395922	0.295696	0.8366745	0.2879064	0.2879064	turquoise
0.9974655	0.8882791	0.05100802	0.4608823	0.7305731	0.2030956	0.6717297	0.6717297	turquoise
0.8438221	0.5313399	0.2848834	0.2068214	0.7474611	0.6340536	0.00188341	0.00188341	pink
0.8718651	0.6032985	0.2214353	0.2173093	0.4542949	0.9666773	0.00044615	0.00044615	grey
0.6480569	0.3648549	0.8769178	0.7093709	0.7964985	0.1805603	0.00232021	0.00232021	blue
0.4582482	0.0814487	0.1605547	0.3557701	0.3211068	0.6780539	0.00241137	0.00241137	grey
0.7501519	0.1537182	0.09484102	0.7140118	0.5715665	0.1438357	6.90E-09	6.90E-09	blue
0.1985604	0.9870389	0.00207027	0.0177946	0.8504181	0.05117999	0.7889769	0.7889769	turquoise
0.8100192	0.08740141	0.8233372	0.8348791	0.878654	0.3878091	0.00106711	0.00106711	blue
0.4671412	0.01977357	0.5098217	0.287832	0.5916114	0.2589803	0.00916141	0.00916141	turquoise
0.1808671	0.2364081	0.4133668	0.534621	0.7676806	0.05133013	0.1639715	0.1639715	grey
0.9689648	0.08459183	4.60E-06	0.0609738	0.5488454	0.05005613	0.00093725	0.00093725	turquoise
0.1934104	0.7056952	0.0579278	0.8138483	0.9658245	0.3884144	0.6290407	0.6290407	turquoise
0.664168	0.3532919	0.9083364	0.7406752	0.9497018	0.6898628	0.4804172	0.4804172	purple
0.766114	0.00734234	0.139791	0.6336161	0.8186715	0.8102602	1.82E-07	1.82E-07	grey60
0.9925756	0.6236741	0.2573196	0.0852977	0.4070855	0.5576097	0.1289915	0.1289915	turquoise
0.2567133	0.3858098	0.3357507	0.8909699	0.887897	0.2863762	0.06337304	0.06337304	blue
0.436651	0.1515539	0.0148305	0.3961072	0.7673526	0.1453163	0.8004589	0.8004589	turquoise
0.2016788	0.7448306	0.4169058	0.9982683	0.2827285	0.6161323	0.2533921	0.2533921	grey
0.4474272	0.2070404	0.1289355	0.1901418	0.4719188	0.1308244	0.7280953	0.7280953	grey
0.4035905	0.00280531	0.05592496	0.9049808	0.9819112	0.3487382	1.39E-16	1.39E-16	brown
1.53E-09	0.6468309	0.231367	0.3484804	0.3236943	0.0251948	0.00040459	0.00040459	grey
0.7583643	0.3175912	0.04296595	0.8640808	0.4443533	0.06052801	0.03327508	0.03327508	blue
0.06637915	0.027793	0.9977261	0.4734515	0.6988887	0.5100986	0.2097973	0.2097973	grey60
0.4762029	0.4266751	0.2602829	0.6735944	0.5421444	0.9749494	0.637736	0.637736	grey
0.01979238	0.9737983	0.117478	0.1558731	0.00682322	0.00905418	0.39251	0.39251	turquoise
0.7443786	0.1095255	0.6888115	0.1056801	0.8403638	0.5920732	0.00970112	0.00970112	black
0.09670929	0.1339081	0.3569974	0.4685917	0.5631478	0.683091	0.00028833	0.00028833	blue
0.2721361	0.9125655	0.5891708	0.8128451	0.270559	0.8951258	0.01704021	0.01704021	grey
0.8365036	0.03063781	3.93E-05	0.169482	0.3789026	0.6183608	2.87E-11	2.87E-11	brown
0.7960457	0.7719691	0.6651299	0.3975858	0.6533954	0.8006268	0.1765582	0.1765582	grey
0.4479603	0.03951172	0.4812485	0.491798	0.5040772	0.8382591	0.00013773	0.00013773	green
0.124518	0.3642491	0.02817795	0.2699111	0.7407833	0.3086005	0.111545	0.111545	turquoise
0.8943724	0.09466427	0.06107947	0.2298101	0.5588925	0.1219968	0.1561263	0.1561263	grey
0.302464	0.3523144	0.07571867	0.4233298	0.9721607	0.580886	0.8366862	0.8366862	grey
0.5826775	0.08599508	0.398279	0.999301	0.5432294	0.8975711	0.1375438	0.1375438	blue
0.8661181	0.09084186	0.9510989	0.1494758	0.5826699	0.558962	0.04261821	0.04261821	black
0.2197929	0.9794856	0.01269745	0.4420129	0.802163	0.0755999	0.2265316	0.2265316	turquoise
0.986084	0.5426333	0.0241633	0.0199812	0.6462206	0.9360732	0.00523078	0.00523078	green
0.3530371	0.7887689	0.08150683	0.906435	0.1090478	0.07039261	0.01979444	0.01979444	blue
0.2539884	0.02974737	0.9066783	0.2680512	0.943941	0.6801002	0.0001697	0.0001697	blue
0.4636208	0.02936294	0.01016333	0.4213194	0.06300035	0.9207814	6.39E-10	6.39E-10	brown
0.4461638	0.2306761	0.5052662	0.6343324	0.865571	0.9655757	1.40E-10	1.40E-10	grey
0.962651	0.5639882	0.4673951	0.3061737	0.5061873	0.7705021	0.2028692	0.2028692	grey
0.1831794	0.04166522	0.1806071	0.0855569	0.9787793	0.1238765	5.01E-05	5.01E-05	turquoise
0.6201076	0.1437531	0.4239153	0.7892643	0.3309621	0.6384444	6.13E-06	6.13E-06	turquoise
0.8909651	0.9354105	0.02399525	0.6022802	0.8670077	0.2546967	0.01604092	0.01604092	tan
0.9240347	0.04815914	0.6016385	0.9855303	0.9180562	0.3176084	5.18E-06	5.18E-06	blue
0.4034616	0.3625203	0.6688726	0.9361657	0.5990281	0.844885	0.1686016	0.1686016	lightcyan
0.2138554	0.1632172	0.4200962	0.3256306	0.581135	0.3141084	0.03157552	0.03157552	grey
0.930002	0.05374631	0.1481668	0.8131117	0.07508672	0.6052905	0.6461097	0.6461097	turquoise
0.6468207	0.3721169	0.00410841	0.0426235	0.4712952	0.1745729	8.32E-05	8.32E-05	green
0.3196883	0.00470273	0.2069512	0.6098138	0.6826323	0.5117403	3.35E-13	3.35E-13	blue
0.8860904	0.7099314	0.4750373	0.4967132	0.1124046	0.5621917	8.37E-09	8.37E-09	yellow
0.5530589	0.0312781	0.7607746	0.7956726	0.8925501	0.1383178	0.00030824	0.00030824	blue
0.4304306	0.3780805	0.403883	0.4233648	0.5940038	0.8690928	0.00504733	0.00504733	grey
0.00548445	0.0425108	0.8463645	0.968732	0.9136531	0.3978784	0.4358543	0.4358543	turquoise
0.3185968	0.1463346	0.297251	0.5059436	0.5615659	0.4378409	2.12E-12	2.12E-12	yellow
0.5333382	0.8445626	0.2980566	0.5815084	0.2960446	0.7272562	0.00705512	0.00705512	turquoise

0.7755453	0.515498	0.2498785	0.1476846	0.5195737	0.6701556	0.6705269	0.6705269	turquoise
0.01124587	0.1521372	0.00457637	0.5886072	0.6033409	0.7231962	0.00060383	0.00060383	blue
0.09951438	0.5974974	0.8134646	0.7586289	0.8627698	0.5868418	0.1265603	0.1265603	blue
0.4982792	0.7893112	0.5934311	0.9782591	0.3891564	0.4131966	0.05291625	0.05291625	grey
0.6155956	0.00907324	0.0002727	0.0543225	0.09871519	0.3874173	5.43E-15	5.43E-15	green
0.5463712	0.6340067	0.281769	0.6691489	0.9604081	0.8706631	0.8647762	0.8647762	grey
0.6662725	0.3584055	0.00662273	0.0407615	0.9093118	0.2289257	0.4715627	0.4715627	magenta
0.7990697	0.2043425	0.12708	0.2758578	0.8423396	0.05011069	0.00086705	0.00086705	blue
0.2764444	0.2696135	0.1774015	0.9883956	0.3381299	0.08350891	0.03258496	0.03258496	turquoise
0.0240553	0.8123845	0.9541236	0.6494273	0.976612	0.5193162	0.04473785	0.04473785	blue
0.8172588	0.4707633	0.3309801	0.4970358	0.3988835	0.5601821	0.5794803	0.5794803	grey
0.04971828	0.5449652	0.1578228	0.8752812	0.4723478	0.4976658	0.02223203	0.02223203	blue
0.3232375	0.00195421	0.4885546	0.7352261	0.7584545	0.4015678	0.00029052	0.00029052	blue
0.1202322	0.7308321	0.2057663	0.4746347	0.1961141	0.1466251	0.1268213	0.1268213	grey
0.1026098	0.3042101	0.4545884	0.4458476	0.09520605	0.4889625	6.19E-06	6.19E-06	brown
0.298191	0.1517028	0.00184536	0.9588334	0.4102031	0.2540999	0.00160007	0.00160007	tan
0.7538514	0.1047892	0.2740088	0.5544661	0.5512055	0.833457	0.01813357	0.01813357	blue
0.3902946	0.7595091	0.2514865	0.7047035	0.5068289	0.6425422	0.9276055	0.9276055	royalblue
0.6884155	0.2341657	0.1435006	0.8098484	0.4784565	0.6613426	0.00022244	0.00022244	midnightblue
0.5006167	0.8114854	0.00483988	0.1124542	0.7827677	0.195257	0.5240721	0.5240721	pink
0.7209632	0.1491247	0.00821672	0.1689856	0.3296114	0.3058778	0.02780307	0.02780307	green
0.2392528	0.3867742	0.5081038	0.277087	0.2630889	0.501708	0.00304527	0.00304527	grey
0.03327929	0.8226899	0.5552948	0.2975355	0.08432491	0.4975841	0.1691	0.1691	grey
0.37663	0.04867925	0.930516	0.2749753	0.8735113	0.4963094	1.35E-06	1.35E-06	turquoise
0.1472334	0.8517338	0.011766	0.0601841	0.4777909	0.2718056	0.4270961	0.4270961	turquoise
0.7267044	0.02076548	0.5745262	0.3370901	0.7742574	0.4003358	0.3750215	0.3750215	grey
0.4286153	0.8554866	0.00426148	0.1530561	0.7123526	0.07022502	0.2415277	0.2415277	turquoise
0.6038887	0.3023594	0.1816394	0.7248125	0.6096314	0.3964396	0.5465171	0.5465171	grey
0.07134681	0.4825963	0.5424086	0.6663531	0.6067942	0.3832942	0.2597575	0.2597575	grey
0.02869385	0.5268436	0.627638	0.8911072	0.9431454	0.956519	0.1259913	0.1259913	grey
0.2152607	0.3122356	0.8475532	0.4006163	0.2958101	0.3790008	0.5219647	0.5219647	grey
0.127908	0.6262047	0.8162524	0.1417426	0.4469297	0.08675257	0.7575524	0.7575524	turquoise
0.8915939	0.2991826	0.8867302	0.9716761	0.4427262	0.7215013	0.6903575	0.6903575	salmon
0.9141055	0.1171418	0.00025466	0.1011747	0.9511672	0.9467554	3.46E-10	3.46E-10	brown
0.3571244	0.2480649	0.7019453	0.2825581	0.7124341	0.2746513	0.2339772	0.2339772	grey
0.272519	0.1003047	0.09145306	0.7708476	0.6998274	0.8934115	0.00515686	0.00515686	turquoise
0.9964799	0.6310586	0.00037517	0.2605446	0.2870557	0.7756619	6.21E-40	6.21E-40	yellow
0.7852238	0.2754082	0.01852598	0.3322873	0.3635774	0.0048726	0.1473113	0.1473113	turquoise
0.7371342	0.7385877	0.2262681	0.7624613	0.8429365	0.1781255	0.00087655	0.00087655	salmon
0.4021519	0.7955636	0.5255359	0.1000089	0.8352917	0.9884515	0.00068292	0.00068292	midnightblue
0.09884451	0.02213223	0.2660312	0.2014787	0.1936581	0.7799165	1.14E-05	1.14E-05	grey
0.8647576	0.00677179	0.02946295	0.2099429	0.947891	0.6371293	2.53E-15	2.53E-15	brown
0.4101062	0.7878169	0.07008242	0.2965499	0.8880958	0.4251938	0.01419785	0.01419785	turquoise
0.5782146	0.1932044	0.08604122	0.4493905	0.9018232	0.2497173	0.02962727	0.02962727	turquoise
0.6215073	0.2583808	0.9420789	0.7633065	0.7831307	0.6024283	0.05973122	0.05973122	turquoise
0.5608834	0.01015288	0.00986906	0.4363514	0.6117256	0.1504465	1.30E-06	1.30E-06	turquoise
0.4570321	0.4162287	0.6211875	0.9784668	0.7260613	0.8756242	0.08560287	0.08560287	blue
0.3006754	0.04609435	0.7465041	0.8905874	0.4593281	0.8042019	0.120408	0.120408	grey
0.2070113	0.3238302	0.02725953	0.517967	0.6539201	0.2587701	0.109758	0.109758	turquoise
0.9589004	0.3892048	0.00721934	0.0408411	0.183159	0.07273555	0.00407531	0.00407531	blue
0.9979046	0.1284577	0.8022824	0.5379564	0.1172623	0.7013208	0.00047352	0.00047352	blue
0.3770562	0.2930025	0.1975607	0.6844431	0.183526	0.8887914	0.5619912	0.5619912	grey
0.3545015	0.06197216	0.1869553	0.2731908	0.94613	0.1920345	0.01966247	0.01966247	turquoise
0.9174177	0.9320103	0.275511	0.6614613	0.6088462	0.0645062	0.08541601	0.08541601	grey
0.9097897	0.3263562	0.5103748	0.5894213	0.2709245	0.3177596	0.6388175	0.6388175	brown
0.09882254	0.273949	0.9879698	0.3191154	0.5923916	0.5679242	0.2507931	0.2507931	blue
0.9341016	0.00018622	0.00342182	0.1375433	0.5328588	0.7609578	5.80E-24	5.80E-24	brown
0.8994331	0.9303329	0.01400109	0.5429614	0.6029842	0.1212798	0.1849049	0.1849049	blue
0.4613335	0.4050092	0.01166507	0.0085181	0.2684006	0.4473086	5.29E-09	5.29E-09	magenta
0.5101918	0.2140043	0.367589	0.8219556	0.322114	0.5931027	4.54E-05	4.54E-05	blue
0.2187286	0.1250769	0.8748237	0.1816046	0.99636	0.25519	0.00549355	0.00549355	blue

0.520468	0.7158546	0.2748426	0.5590069	0.8283015	0.2543535	0.05395576	0.05395576	royalblue
0.2799649	0.2273158	0.05055798	0.0174357	0.583754	0.9715204	0.03088227	0.03088227	turquoise
0.3777794	0.7476507	0.4722778	0.9242758	0.7140288	0.3904316	0.1883047	0.1883047	grey
0.09342664	0.5237469	0.02402466	0.2692438	0.5892204	0.1482083	0.04131829	0.04131829	turquoise
0.1240183	0.9858729	0.2200854	0.7223813	0.9937149	0.9399325	0.00800963	0.00800963	turquoise
0.5250613	0.8342314	0.750863	0.5784827	0.4755486	0.1537749	0.00123816	0.00123816	grey
0.1049404	0.454238	0.3764658	0.3779218	0.5147915	0.1040087	9.18E-05	9.18E-05	red
0.5104634	0.2782668	0.1469157	0.09692	0.323599	0.02539039	0.06239874	0.06239874	turquoise
0.9577501	0.8989365	0.03280928	0.0438431	0.4947886	0.1009984	0.2795573	0.2795573	grey
0.9529117	0.3926961	0.00125548	0.0054393	0.7363447	0.00968696	0.057404	0.057404	turquoise
0.2057348	0.7687079	0.0417032	0.1182981	0.846054	0.1945774	0.04224869	0.04224869	green
0.0981983	0.5520703	0.7809072	0.3169515	0.8307533	0.8134923	0.09970631	0.09970631	grey
0.2647815	0.958569	0.8956781	0.3140094	0.7993001	0.9310898	0.1783578	0.1783578	grey
0.3369564	0.9306666	0.3540501	0.6586244	0.776592	0.8054596	0.09672132	0.09672132	darkgreen
0.3012054	0.02220926	0.01124249	0.9056469	0.14853	0.1453263	9.42E-06	9.42E-06	blue
0.1264179	0.7703929	0.1453591	0.8080557	0.00179285	0.8332967	0.1726063	0.1726063	turquoise
0.5469213	0.5567477	0.01858954	0.5246234	0.2511459	0.3330162	0.00154336	0.00154336	turquoise
0.4310279	0.1081726	0.01541816	0.7338407	0.4209517	0.03361437	0.00016703	0.00016703	green
0.2563146	0.5100918	0.1265957	0.3450042	0.397408	0.2697944	0.9782255	0.9782255	darkgreen
0.03848699	0.00073051	0.4495811	0.0388594	0.7579569	0.2618009	0.00389434	0.00389434	grey
0.2592579	0.1681973	0.1288736	0.1894687	0.6388613	0.7812028	0.367632	0.367632	grey
0.8627824	0.00390906	0.9571251	0.8346828	0.4190279	0.7307303	0.2005222	0.2005222	grey
0.9351501	0.347592	0.2598232	0.7982153	0.864202	0.4941233	0.01067216	0.01067216	blue
0.7928165	0.0004976	0.09699621	0.9111927	0.8741259	0.7732324	1.93E-15	1.93E-15	yellow
0.3195471	0.2186417	0.03087581	0.434625	0.3118948	0.1117466	0.9040072	0.9040072	blue
0.4221752	0.3276468	0.00951329	0.4812377	0.8455554	0.08679721	3.46E-10	3.46E-10	turquoise
0.4493662	0.558622	0.5473365	0.9996223	0.7947735	0.596196	0.1737139	0.1737139	grey
0.7821308	0.7721891	0.1614252	0.3120497	0.5237922	0.5407285	1.16E-06	1.16E-06	brown
0.04246086	0.06988918	0.04708818	0.022744	0.1060305	0.07119612	0.00181764	0.00181764	turquoise
0.9710562	0.5384447	0.8382933	0.6482407	0.4116583	0.4754051	0.1438383	0.1438383	turquoise
0.2823092	0.5039254	0.4171994	0.3900815	0.9437475	0.2326644	0.1234175	0.1234175	black
1.47E-24	0.7294889	0.3219985	0.0198063	0.3802519	0.2068331	0.5663619	0.5663619	grey
0.5154248	0.00037981	0.01766449	0.069052	0.2920465	0.8953857	1.31E-12	1.31E-12	brown
0.7013049	0.8393009	0.7476662	0.8343577	0.8998461	0.7339625	0.0400926	0.0400926	turquoise
0.3609731	0.7776528	0.984951	0.2992979	0.2000715	0.2623052	0.00149553	0.00149553	turquoise
0.6381745	0.9689409	0.4281226	0.5675849	0.1857624	0.7309046	0.7192802	0.7192802	grey
0.207958	0.07012332	0.7984379	0.6544378	0.9449726	0.5497333	0.00751392	0.00751392	darkgrey
0.270866	0.6636263	0.3264883	0.6804507	0.7709909	0.906406	0.2417618	0.2417618	purple
0.5894939	0.1870102	0.6468377	0.5520639	0.8732497	0.5857013	1.99E-05	1.99E-05	blue
0.6643466	0.1942632	0.03827465	0.0333961	0.7542551	0.1947969	1.18E-10	1.18E-10	yellow
0.1960543	0.9805009	0.8922934	0.3685749	0.3811572	0.1480517	0.6835777	0.6835777	grey
0.4455264	0.5157973	0.7453306	0.3782774	0.2737381	0.7903865	0.078047	0.078047	grey
0.4614659	0.9611117	0.6668064	0.9732135	0.8895428	0.7692889	0.6141019	0.6141019	turquoise
0.3843868	0.1395965	0.6015858	0.4039645	0.5392508	0.324168	0.00450195	0.00450195	grey
0.1670331	0.2291245	0.03202735	0.4980162	0.8047664	0.19019	0.00013724	0.00013724	turquoise
0.2666312	0.7738507	0.7612291	0.8214335	0.9795943	0.4703746	0.1019427	0.1019427	grey
0.08696016	0.03243576	0.01462838	0.6675786	0.9117715	0.2826052	0.05648668	0.05648668	blue
0.2776027	0.05646918	0.4542579	0.4763187	0.935064	0.8624014	0.00046314	0.00046314	blue
0.09752889	0.8846384	0.4712614	0.7454143	0.6673904	0.9662006	0.04187871	0.04187871	grey
0.4830434	0.4328536	0.04113685	0.4805046	0.9984676	0.03578235	0.00204296	0.00204296	turquoise
0.6196118	0.7041279	0.00341155	0.6368777	0.5453172	0.02290041	0.00054146	0.00054146	blue
0.5684922	0.8388268	0.2386107	0.2784078	0.3456569	0.2512691	0.196603	0.196603	grey
0.7628082	0.900137	0.9316496	0.7531593	0.4665035	0.7399441	0.1696821	0.1696821	blue
0.3881232	0.2894639	0.7912975	0.4796994	0.8195598	0.4332317	0.8205746	0.8205746	red
0.4683644	0.00225872	0.00342021	0.0921325	0.4235911	0.9051648	2.53E-20	2.53E-20	brown
0.4640268	0.3143042	0.03117318	0.2903179	0.7520809	0.2804129	1.24E-25	1.24E-25	yellow
0.01681967	0.02360488	0.3035354	0.9069138	0.969866	0.7928961	3.24E-05	3.24E-05	blue
0.0499494	0.4815308	0.3707115	0.9609752	0.1106337	0.7604612	0.0677407	0.0677407	blue
0.5507578	0.1918247	0.9055878	0.7175898	0.7714239	0.7353748	0.00573811	0.00573811	turquoise
0.6139001	0.4194448	0.389914	0.7808301	0.3629031	0.06510378	7.57E-06	7.57E-06	grey
0.02534578	0.1936335	0.5586226	0.9411024	0.970476	0.3173513	3.36E-10	3.36E-10	brown

0.3311574	0.5226822	0.1038999	0.8606353	0.5006129	0.5756155	0.00758448	0.00758448	brown
0.120536	0.566956	0.8355214	0.2622909	0.476244	0.04196867	0.2494966	0.2494966	turquoise
0.1676112	0.02650759	0.5607988	0.9048604	0.7359032	0.9860892	1.43E-08	1.43E-08	blue
0.5200039	0.7296338	0.2255455	0.5805206	0.9324801	0.8962494	0.2046431	0.2046431	pink
0.4373389	0.551995	0.3822469	0.0460061	0.7431616	0.2834944	0.287497	0.287497	grey
0.2068551	0.1764094	0.9957205	0.0896625	0.5410311	0.6963847	1.34E-08	1.34E-08	grey
0.397284	0.01032283	0.3433647	0.6073291	0.883606	0.2163135	2.11E-08	2.11E-08	brown
0.9350841	0.0589772	0.8812037	0.2677265	0.9545509	0.6424586	0.00019797	0.00019797	grey
0.8463004	0.2806469	0.915961	0.6016514	0.2483542	0.5906557	0.00152889	0.00152889	grey
0.05926651	0.00177944	0.04612542	0.1715088	0.7912053	0.06450983	6.45E-09	6.45E-09	blue
0.1396446	0.7142641	0.1228517	0.6793563	0.5052359	0.02151622	1.42E-06	1.42E-06	darkorange
0.03081996	0.00716812	0.6651924	0.1282102	0.5617082	0.2572507	0.00842979	0.00842979	turquoise
0.4899249	0.2893397	0.01950957	0.1704505	0.6456102	0.3034342	0.00014294	0.00014294	turquoise
0.2419678	0.732105	0.3202968	0.0064438	0.1859603	0.04485304	0.03685393	0.03685393	grey
0.1689562	0.704096	0.05362171	0.5030406	0.686014	0.07982129	0.193738	0.193738	red
0.9179661	0.2391589	9.45E-05	0.0440194	0.4245809	0.4514492	0.165876	0.165876	magenta
0.8622481	0.1495491	0.7751888	0.9843345	0.3514643	0.1218538	0.0095905	0.0095905	blue
0.3121994	0.00075441	0.00774229	0.9480861	0.9755349	0.5528362	1.33E-07	1.33E-07	green
0.2193243	0.222974	0.3245879	0.489324	0.2564707	0.8849207	0.6522871	0.6522871	grey
0.07914315	0.9481872	0.07583289	0.2454596	0.8875897	0.1724362	0.2351789	0.2351789	grey
0.2661802	0.7833749	0.2173168	0.8047245	0.9428714	0.8470526	0.9120732	0.9120732	turquoise
0.1764233	0.335501	0.6353323	0.3710397	0.4885594	0.7833082	0.8095762	0.8095762	grey
0.7413596	0.5602798	0.1949321	0.3769925	0.3589944	0.1190882	0.4177567	0.4177567	grey
0.1850194	0.6284276	0.17684	0.3141382	0.8653149	0.783878	0.912822	0.912822	grey
0.1146346	0.4832906	0.6708795	0.9372591	0.8988219	0.1854665	1.02E-08	1.02E-08	blue
0.0685124	0.159944	0.2630339	0.2001991	0.3249697	0.7167972	0.9305971	0.9305971	grey
0.642323	0.1514086	0.2443783	0.2816346	0.1862691	0.8962213	0.00016708	0.00016708	green
0.8726106	0.07561304	0.3874507	0.5388543	0.9637825	0.3376996	2.15E-06	2.15E-06	blue
0.5423777	0.6693862	2.18E-06	0.0190955	0.4990228	0.01742523	2.77E-13	2.77E-13	yellow
0.5570287	0.02262919	0.686997	0.8962413	0.02891666	0.694357	0.1294376	0.1294376	grey
0.5262427	0.3173962	0.09148882	0.3756744	0.2056079	0.9910849	1.85E-05	1.85E-05	turquoise
0.6015005	0.2534078	0.04876399	0.4238546	0.5640162	0.5043082	0.9656154	0.9656154	turquoise
0.9365149	0.06039144	0.02852809	0.2104063	0.8441971	0.2611647	1.28E-07	1.28E-07	blue
0.2344053	0.00150982	0.1611759	0.6699535	0.9522426	0.8997953	2.15E-09	2.15E-09	brown
0.3339662	0.6189318	0.0069666	0.6329098	0.2760093	0.1652734	0.05877876	0.05877876	turquoise
0.6787885	0.411099	0.00644751	0.0110649	0.8395556	0.02744023	0.06209075	0.06209075	turquoise
0.8570629	0.01757504	0.00046734	0.0581557	0.7120917	0.1188108	3.85E-38	3.85E-38	yellow
0.00056428	0.385309	0.486284	0.6818513	0.7159201	0.5707458	0.09697757	0.09697757	grey
0.1170148	0.2229293	0.8385354	0.6515703	0.4567084	0.2595564	9.66E-05	9.66E-05	grey
0.1446567	0.8928083	0.07523145	0.6342017	0.9777299	0.8067459	0.01709671	0.01709671	pink
0.452695	0.1169928	0.5286574	0.1279934	0.7859112	0.6319588	2.04E-11	2.04E-11	purple
0.3246749	0.08445835	0.00036163	0.221014	0.1969968	0.06254455	7.88E-17	7.88E-17	yellow
0.1067715	0.587119	0.0060528	0.3125812	0.5582014	0.03577688	0.5400833	0.5400833	blue
0.4417542	0.08495859	0.113604	0.2436984	0.8483236	0.3759326	0.7456832	0.7456832	grey
0.364305	0.2138845	0.04012797	0.0651599	0.6736876	0.5281771	0.00226432	0.00226432	grey
0.658604	0.6246421	0.0089058	0.6173069	0.5029931	0.7048339	0.0012333	0.0012333	turquoise
0.2654663	0.02615442	0.00270475	0.1350044	0.4271544	0.3891308	9.67E-10	9.67E-10	green
0.9897025	0.1945901	0.7310947	0.9380599	0.6739145	0.2027803	0.9455871	0.9455871	blue
0.8797722	0.00018626	0.06835007	0.6107565	0.7810195	0.7386327	2.31E-07	2.31E-07	black
0.3970659	0.7659955	0.6079982	0.0199633	0.4826503	0.3096795	0.3886771	0.3886771	pink
0.7017908	0.3665677	0.919032	0.8123794	0.2763409	0.9731301	0.1689031	0.1689031	turquoise
0.2947693	0.4473597	0.5601863	0.1066546	0.5922449	0.6987282	0.8584267	0.8584267	blue
0.08200325	0.8491867	0.00303145	0.6357204	0.6342738	0.2967735	0.05453016	0.05453016	blue
0.1005597	0.4754215	0.6150544	0.1691245	0.5486446	0.8049281	0.01689264	0.01689264	blue
0.8836026	1.28E-05	0.2864838	0.4005714	0.06344681	0.60801	0.00673667	0.00673667	grey
0.3615608	0.1222381	0.2544938	0.551697	0.4799198	0.8043794	0.5279353	0.5279353	blue
0.2412941	0.1098982	0.2441102	0.0875697	0.278973	0.9166317	1.21E-06	1.21E-06	grey
0.8586394	0.01945346	0.00660868	0.1254724	0.9124009	0.03178893	2.97E-05	2.97E-05	blue
0.1136752	0.7668733	0.02428199	0.2039674	0.8917439	0.09614442	0.01401939	0.01401939	black
0.5581343	0.390073	0.9621674	0.955571	0.4963808	0.5270658	0.2689244	0.2689244	darkgrey
0.2960849	0.00478271	0.1542292	0.1358061	0.1475091	0.2229783	0.00958212	0.00958212	turquoise

0.04877693	0.01280884	0.01395246	0.3880768	0.4798351	0.29869	0.05578282	0.05578282	grey
0.693799	0.625564	0.7006806	0.4555631	0.7617322	0.1814388	0.631515	0.631515	blue
0.5326412	0.1536525	0.3261076	0.8126585	0.588248	0.7992017	0.04859288	0.04859288	darkgreen
0.8408102	0.0139747	0.2835518	0.2807012	0.6295765	0.6255338	0.4078472	0.4078472	grey
0.5247022	0.4180252	0.0191914	0.1052981	0.6561822	0.1722516	0.2604051	0.2604051	turquoise
0.07708369	0.7429461	0.9986806	0.6579216	0.6990995	0.4597116	0.9150705	0.9150705	grey
0.7444123	0.2231726	0.1366848	0.5947771	0.5496512	0.1944897	0.00103015	0.00103015	blue
0.2886186	0.4918738	0.12274	0.539942	0.1521182	0.2120753	0.3541175	0.3541175	grey
0.486352	0.4282343	0.6907998	0.4533481	0.2835989	0.02376063	0.7154326	0.7154326	turquoise
0.3311425	0.311555	0.3036841	0.3061688	0.5517432	0.8884751	2.01E-05	2.01E-05	blue
0.2759939	0.8554144	0.01260149	0.082583	0.9204251	0.07497235	0.00530953	0.00530953	turquoise
0.2483653	0.3343458	0.08099886	0.9879541	0.7993844	0.1663131	0.4183238	0.4183238	turquoise
0.1646278	0.5302522	0.08375223	0.5845188	0.4770011	0.2477687	0.03151622	0.03151622	white
0.9786343	0.1877419	0.05129716	0.0148638	0.2676919	0.00414042	0.8587696	0.8587696	grey
0.5758298	0.05500443	0.2486785	0.6300125	0.9776458	0.6722807	0.08410095	0.08410095	grey
0.4631463	0.1462963	0.3024958	0.5039878	0.755107	0.204337	0.05670144	0.05670144	turquoise
0.9050309	0.3071517	0.00174884	0.123766	0.01669379	0.2706042	0.1539382	0.1539382	turquoise
0.4836774	0.03418509	0.08232407	0.5950216	0.6837837	0.4952583	0.0003425	0.0003425	blue
0.00697497	0.06030618	0.1323889	0.0020743	0.03968591	0.2668959	0.6125785	0.6125785	turquoise
0.3564329	0.2069254	0.317344	0.8230447	0.4420133	0.3347395	0.0800898	0.0800898	grey
0.8191362	0.8691443	0.4475856	0.4177981	0.5144474	0.9027739	0.5130401	0.5130401	turquoise
0.8502001	0.5334331	0.2051578	0.9581049	0.3559926	0.6345771	0.00177121	0.00177121	turquoise
0.442808	0.3365261	0.2188583	0.3709489	0.8202571	0.8862006	0.4175152	0.4175152	lightcyan
0.1380203	0.1072181	0.3513269	0.8245848	0.7597529	0.7591464	0.317527	0.317527	grey
0.7836698	0.5045158	0.6321109	0.4345156	0.2536902	0.7829526	0.2860289	0.2860289	turquoise
0.3367491	0.2428323	0.6663242	0.5953474	0.4287244	0.7191994	4.33E-08	4.33E-08	blue
0.4712517	0.00574175	0.05147025	0.1503345	0.5589573	0.1965464	3.84E-17	3.84E-17	yellow
0.8626822	0.1798782	0.5311688	0.5383061	0.3387247	0.196496	0.00185399	0.00185399	turquoise
0.01861779	0.1443657	0.1517244	0.0228381	0.7403382	0.03884171	0.4073032	0.4073032	turquoise
0.5178369	0.2219876	0.00242892	0.4065309	0.8965386	0.402023	0.1587824	0.1587824	turquoise
0.1232614	0.6438447	0.1073624	0.9996026	0.7926808	0.3630683	0.1994328	0.1994328	turquoise
0.4202647	0.6486328	0.0904702	0.4458528	0.07400816	0.1355973	0.2290502	0.2290502	turquoise
0.9454083	0.8066098	0.938614	0.6980664	0.3878333	0.05151023	0.00178084	0.00178084	skyblue
0.2888206	0.5509331	0.06448054	0.6314756	0.00935792	0.802603	2.84E-05	2.84E-05	grey
0.9491436	0.05293772	0.05086036	0.5616571	0.6434075	0.08679529	0.0596543	0.0596543	blue
0.07446911	0.4360247	0.3476739	0.2487584	0.6408134	0.8967332	0.04227824	0.04227824	brown
0.9846955	0.0461695	0.2660183	0.9142314	0.4557204	0.9237924	0.00088339	0.00088339	grey
0.3713512	0.4086849	0.0866004	0.0173372	0.5948189	0.00796768	0.117714	0.117714	grey
0.6261157	0.7613141	0.02916184	0.607839	0.2070102	0.1114127	0.1297615	0.1297615	turquoise
0.8151872	0.7992595	0.00332206	0.3690115	0.1471872	0.08121399	0.9214197	0.9214197	green
0.4749592	0.7646788	0.8031696	0.5335059	0.8752295	0.1512717	0.2536634	0.2536634	blue
0.8222046	0.00018888	0.00350006	0.0944651	0.5977296	0.5920786	2.59E-17	2.59E-17	yellow
0.1771957	0.8853876	0.0180212	0.0735794	0.1972076	0.05504732	0.03361127	0.03361127	turquoise
0.08491275	0.8974144	0.01168055	0.8245748	0.2485492	0.6565047	0.18273	0.18273	turquoise
0.8295716	0.02423181	0.00023528	0.5908715	0.1729313	0.03122749	0.5287031	0.5287031	blue
0.8600458	0.7276685	0.00253294	0.0416195	0.6708247	0.4996541	0.9700251	0.9700251	turquoise
0.4007397	0.00276787	0.02526572	0.4157267	0.968688	0.9863315	3.58E-15	3.58E-15	brown
0.8962212	2.62E-05	0.1685016	0.1709298	0.7522806	0.3532495	6.60E-06	6.60E-06	grey60
0.1684889	0.6481927	0.8130447	0.6416132	0.6933652	0.9142207	0.7553068	0.7553068	blue
0.08507947	0.5531969	0.1415912	0.4503307	0.6835385	0.9427119	0.7458884	0.7458884	grey
0.5411006	0.7830934	0.00884805	0.2773602	0.6649172	0.01354673	0.9186173	0.9186173	turquoise
0.6641368	0.6055108	0.7261942	0.6866009	0.3096771	0.7989536	0.9448148	0.9448148	turquoise
0.9205126	0.7405752	0.6670601	0.3805565	0.2222028	0.3067617	0.0007712	0.0007712	grey
0.8127121	0.4728622	0.1599104	0.3549648	0.9805393	0.06652616	0.8972855	0.8972855	orange
0.3765638	0.00335309	0.8709835	0.6243098	0.5446569	0.3857938	5.15E-06	5.15E-06	grey
0.891629	0.4022026	0.02835795	0.0418976	0.3573753	0.4386041	0.68671	0.68671	turquoise
0.5330532	0.8988304	0.9927912	0.9820499	0.7693936	0.5144408	0.08350685	0.08350685	grey
0.8307973	0.3917705	0.5816676	0.3924202	0.7136403	0.4791406	0.707264	0.707264	orange
0.9642149	0.2110519	0.2575257	0.3362783	0.8170344	0.2326215	0.9885361	0.9885361	turquoise
0.5138963	0.6416091	0.07370871	0.6944532	0.8592973	0.2017671	0.02324413	0.02324413	turquoise
0.7744263	0.2882514	0.3449633	0.6920013	0.7123396	0.580311	2.46E-08	2.46E-08	turquoise

0.6344589	0.00265619	0.1680294	0.6034299	0.6968568	0.712544	4.98E-06	4.98E-06	yellow
0.3972271	0.4955897	0.6813943	0.6960198	0.2055092	0.711816	0.1964025	0.1964025	grey
0.1720389	0.409101	0.0498017	0.5728343	0.5880555	0.01487181	0.8463269	0.8463269	turquoise
0.7503961	0.562162	0.6065402	0.2437198	0.9187791	0.1706259	2.19E-09	2.19E-09	pink
0.1567495	0.5861409	0.1490387	0.1760532	0.1740506	0.6699015	0.00361054	0.00361054	turquoise
0.4420082	0.1437804	0.02065888	0.5005931	0.8748016	0.06968898	0.09787006	0.09787006	grey
0.7657423	0.3782676	0.08760516	0.1411994	0.8426266	0.6574581	0.1931673	0.1931673	turquoise
0.4520144	0.2513095	0.8651457	0.5777297	0.6521346	0.4084132	0.00057006	0.00057006	purple
0.8986611	0.3240774	0.7707495	0.9659805	0.9418546	0.3225175	0.9597701	0.9597701	turquoise
0.4434192	0.3847497	0.2407059	0.1881834	0.3896965	0.5264672	0.2321612	0.2321612	turquoise
0.1724511	0.2512317	0.9530371	0.9080151	0.9658221	0.7396336	0.03350596	0.03350596	blue
0.6044221	0.1637626	0.8074123	0.2325266	0.970012	0.454653	0.1168204	0.1168204	blue
0.9055627	0.5714673	0.4402299	0.9719056	0.8783222	0.7429597	0.3398137	0.3398137	darkgreen
0.6141565	0.897609	0.8727788	0.6677322	0.7654247	0.1194158	0.965902	0.965902	turquoise
0.3009488	0.01102285	0.00022873	0.0051532	0.8080405	0.4068198	4.72E-10	4.72E-10	yellow
0.117921	0.04160299	0.5199369	0.0452366	0.7644907	0.03839531	0.3120896	0.3120896	turquoise
0.7244218	0.5388806	0.00637471	0.2484982	0.8881589	0.8990883	0.3988081	0.3988081	turquoise
0.1887635	0.02051568	0.06564314	0.8500768	0.6126705	0.8601282	1.47E-10	1.47E-10	brown
0.3845529	0.7346996	0.7207863	0.7999887	0.8657162	0.7387638	0.5380853	0.5380853	turquoise
0.735864	0.6648661	0.932907	0.410771	0.2855842	0.3165679	2.65E-05	2.65E-05	lightcyan
0.2756353	0.575158	0.2036435	0.9517372	0.873659	0.2706243	0.4285826	0.4285826	grey
0.3703989	0.6146648	0.00545032	0.7338288	0.816382	0.309284	0.5894337	0.5894337	magenta
0.05719843	0.4929697	0.5066995	0.2427999	0.4844455	0.691073	0.04037522	0.04037522	blue
0.1079088	0.6500402	0.00962981	0.1539553	0.06995827	0.3747898	0.2016519	0.2016519	turquoise
0.9662906	0.00927836	0.3650896	0.1514059	0.720449	0.05618381	0.6363464	0.6363464	grey
0.8354359	0.3147687	0.1439727	0.5691535	0.6429888	0.6280389	0.3892256	0.3892256	turquoise
0.7025389	0.642387	0.08744596	0.156595	0.6198066	0.5181881	0.229988	0.229988	turquoise
0.6980189	0.5395534	0.1534976	0.3863895	0.2889597	0.4881753	4.08E-05	4.08E-05	blue
0.8536543	0.01024005	0.8509419	0.9586177	0.2387097	0.5879388	9.39E-10	9.39E-10	blue
0.2711106	0.2883762	0.09679637	0.1828138	0.3983809	0.1050718	0.05074544	0.05074544	black
0.07048069	0.9291814	0.05312485	0.6995814	0.8898788	0.2449056	0.02742118	0.02742118	grey
0.1023253	0.3836418	0.7083307	0.3056685	0.4730623	0.4186503	0.02656278	0.02656278	grey
0.7603927	0.7726149	0.1355901	0.7588124	0.7908547	0.8684187	0.3297179	0.3297179	grey
0.6117655	0.0714248	0.9912102	0.5911043	0.7889548	0.835445	1.17E-07	1.17E-07	grey
0.4994116	0.6100073	0.8452352	0.652756	0.7780656	0.4870787	0.1035304	0.1035304	blue
0.8390873	0.03811871	0.6936607	0.5252135	0.6417641	0.3713331	0.01890212	0.01890212	brown
0.2617313	0.06837476	0.2663473	0.697929	0.7365719	0.7673618	7.04E-08	7.04E-08	brown
0.7280943	0.5238653	0.8263212	0.9615207	0.3301966	0.9045122	0.2788942	0.2788942	grey
0.3483796	0.1121675	0.00962682	0.2017113	0.8069758	0.09418155	9.51E-07	9.51E-07	blue
0.6533413	0.4627455	0.1600254	0.1237389	0.6701098	0.4873147	0.6217868	0.6217868	turquoise
0.5216083	0.01067094	3.56E-05	0.0560015	0.8872347	0.1103403	7.46E-27	7.46E-27	yellow
0.6606583	0.5816053	0.6886167	0.6875382	0.2424749	0.5201395	0.01747135	0.01747135	grey
0.257168	0.7999655	0.4591937	0.896762	0.5891994	0.8528359	0.2344712	0.2344712	grey
0.3465366	0.9788182	0.1268614	0.301956	0.2209498	0.8196864	0.00092374	0.00092374	grey
0.84134	0.5675096	0.00123122	0.2337934	0.7158591	0.06169796	0.1540065	0.1540065	turquoise
0.1841809	0.5963506	0.3737126	0.1855791	0.339059	0.4283371	0.00959618	0.00959618	turquoise
0.9183553	0.7458017	0.6136874	0.2462953	0.2927523	0.2594912	0.918093	0.918093	grey
0.3651215	0.00479555	0.4017538	0.7053247	0.07088565	0.8601006	0.00107859	0.00107859	turquoise
0.7630499	0.7499998	0.05069975	0.5465261	0.1609856	0.5461726	0.7870624	0.7870624	grey
0.3259045	0.1459298	0.9617893	0.7873138	0.2055353	0.4008532	0.2286988	0.2286988	blue
0.6684036	0.08502706	0.00228738	0.4479648	0.4369416	0.04133267	0.00019909	0.00019909	turquoise
0.7372884	0.01615921	0.617749	0.7486251	0.3415738	0.5152719	0.4432423	0.4432423	grey
0.3707484	0.284435	0.05250971	0.3380739	0.1181304	0.1507037	0.8403213	0.8403213	turquoise
0.1133738	0.4152656	0.1509131	0.1354942	0.4382173	0.00585674	0.02914147	0.02914147	turquoise
0.01239294	0.8162753	0.04039639	0.296844	0.8277803	0.1473477	0.1277645	0.1277645	turquoise
0.522998	0.7791193	0.2696446	0.4435743	0.9558667	0.9260775	0.6226524	0.6226524	grey
0.1487612	0.06622815	0.00043806	0.8208937	0.3738031	0.182069	0.1845079	0.1845079	turquoise
0.5396028	0.2634524	0.6198398	0.3318425	0.3487006	0.3441808	0.00566033	0.00566033	turquoise
0.6117062	0.8657187	0.1028664	0.7630806	0.06262337	0.793257	0.00211174	0.00211174	grey
0.3167087	0.2952663	0.5734862	0.6125777	0.1886323	0.3252649	9.67E-08	9.67E-08	blue
0.8601326	0.0413434	0.1431224	0.5081383	0.4257715	0.5188243	1.51E-24	1.51E-24	brown

0.1140309	0.3788184	0.01028969	0.65213	0.4442376	0.04126051	0.2637816	0.2637816	turquoise
0.5891747	0.0094573	0.00563622	0.1997263	0.5347404	0.3070689	0.01286784	0.01286784	green
0.5131046	0.1285033	0.1548477	0.0536049	0.9199232	0.9445608	5.66E-07	5.66E-07	grey
0.9666735	0.9454047	0.9439024	0.3965198	0.9729155	0.9605478	0.00167981	0.00167981	grey
0.8894297	0.2090767	0.7987149	0.4639001	0.6365364	0.4980215	0.04637467	0.04637467	blue
0.00425651	0.04323042	0.3048231	0.6754802	0.46702	0.7436042	0.0207247	0.0207247	grey
0.1669672	0.8385816	0.5675005	0.5086331	0.3627784	0.2730678	0.8980187	0.8980187	turquoise
0.00821414	0.1745725	0.5109648	0.399523	0.940218	0.8182835	0.02377078	0.02377078	turquoise
0.394699	0.4458423	0.2465449	0.8289966	0.8335294	0.8611072	0.0336842	0.0336842	turquoise
0.4064034	0.123657	0.1508685	0.1320964	0.4631869	0.06510068	0.00274592	0.00274592	turquoise
0.1864431	0.6522	0.4399208	0.7875087	0.8787201	0.395305	0.2508858	0.2508858	grey
0.2382713	0.1643755	0.06656957	0.3931104	0.4316662	0.400774	0.81215	0.81215	turquoise
0.2003821	0.2552339	0.4250337	0.0552744	0.4709794	0.6741726	0.3255961	0.3255961	turquoise
0.00146107	0.4115168	0.2362569	0.970092	0.5860957	0.3378592	0.9543839	0.9543839	blue
0.488536	0.3705533	0.9769172	0.8918054	0.3579727	0.2214255	0.2672747	0.2672747	grey
0.3877629	0.0244984	0.5151854	0.8272333	0.4489745	0.9824233	0.1046359	0.1046359	turquoise
0.5354105	0.1931289	0.2598959	0.0126766	0.8245674	0.03429221	0.3720551	0.3720551	lightcyan
0.5647808	0.00783418	0.1282037	0.7318385	0.7809192	0.2898826	5.90E-11	5.90E-11	brown
0.3853538	0.3237711	0.2401825	0.8914857	0.4419006	0.2599269	0.00982681	0.00982681	grey
0.950899	0.2985853	0.9918163	0.7835256	0.3353752	0.4503745	0.2671791	0.2671791	blue
0.1008878	0.00121645	0.3926191	0.9792585	0.566315	0.5536396	0.00053564	0.00053564	grey
0.7653809	0.00176816	0.02850028	0.8896622	0.6759245	0.01681041	6.93E-10	6.93E-10	brown
0.1361959	0.9875768	0.06002828	0.0439916	0.3444482	0.1527623	0.7646718	0.7646718	lightcyan
0.2838605	0.9241662	0.7928129	0.9400249	0.6730839	0.6683086	0.1024588	0.1024588	purple
0.7317669	0.1041256	0.9228451	0.9334026	0.9369462	0.3051625	0.00018582	0.00018582	blue
0.07217773	0.3987004	0.5318791	0.7424578	0.3718016	0.6416936	0.5676811	0.5676811	turquoise
0.9972779	0.4016409	0.00790723	0.8857381	0.1324753	0.3715511	0.1095333	0.1095333	turquoise
0.7756827	0.917993	0.05341665	0.20056	0.6282469	0.1700827	0.01368176	0.01368176	blue
0.9319811	0.3208634	0.9880252	0.3368081	0.408771	0.9913517	9.21E-06	9.21E-06	grey
0.4483218	0.1010133	0.1753248	0.3861196	0.8054312	0.4726335	2.06E-09	2.06E-09	brown
0.6686766	0.4295701	0.03724641	0.4422782	0.4382554	0.2828227	0.02333985	0.02333985	blue
0.48711	0.3016896	0.2303626	0.6551757	0.6432654	0.4385436	6.20E-05	6.20E-05	turquoise
0.957189	0.1637394	0.09015807	0.4810615	0.2893236	0.9636014	0.00773437	0.00773437	darkorange
0.1791106	0.00286969	0.3391545	0.3755542	0.8007726	0.1377103	3.23E-08	3.23E-08	blue
0.804416	0.1734696	0.07296004	0.0673172	0.9241566	0.07444915	0.6642818	0.6642818	cyan
0.185161	0.04363763	0.231184	0.2236929	0.763744	0.5506842	0.3537816	0.3537816	darkred
0.3091988	0.5052704	0.3206887	0.3256991	0.7618261	0.216888	0.05124861	0.05124861	purple
0.5789413	0.1759498	0.1525728	0.0308412	0.7367604	0.1557109	3.05E-06	3.05E-06	grey
0.06277683	0.1910827	0.01643638	0.5151391	0.1513662	0.0777194	0.6992124	0.6992124	grey
0.3387813	0.05667997	0.00281519	0.0537362	0.943104	0.1119895	1.63E-16	1.63E-16	lightyellow
0.1775154	0.0785758	0.6701117	0.7301645	0.4852252	0.647864	0.00029555	0.00029555	blue
0.0970324	0.3790452	0.7356739	0.1917704	0.4901401	0.2113449	0.2389196	0.2389196	midnightblue
0.4217312	0.3172834	0.01315304	0.2178907	0.4383784	0.1485991	0.657023	0.657023	turquoise
0.6787181	0.163633	0.339537	0.2928047	0.8819173	0.2105829	1.43E-06	1.43E-06	grey
0.1164486	0.3765248	0.3048437	0.062675	0.04424297	0.1399308	0.0106734	0.0106734	turquoise
0.7038596	0.7807994	0.9151918	0.9300918	0.7863751	0.3950624	0.4783667	0.4783667	grey
0.9350162	0.00228659	0.1542445	0.9506395	0.4283519	0.8854193	1.70E-08	1.70E-08	yellow
0.7177744	0.2320864	0.4872465	0.5171245	0.9091826	0.134707	0.02521637	0.02521637	blue
0.4400507	0.2797197	0.2270734	0.9187262	0.4410766	0.6763969	0.9557898	0.9557898	grey
0.1113403	0.1260476	0.02002035	0.0052583	0.6532198	0.00662039	0.2226285	0.2226285	lightcyan
0.02070399	0.664153	0.4468036	0.5492124	0.7662511	0.565748	0.00687581	0.00687581	black
0.662206	0.276258	0.9952746	0.4253163	0.7794678	0.9297268	0.7790762	0.7790762	turquoise
0.1085885	0.6199258	0.2365468	0.3247786	0.3053621	0.229714	0.00304644	0.00304644	blue
0.9932157	0.6721728	0.02068962	0.0606138	0.4639111	0.00682057	0.3715025	0.3715025	turquoise
0.04295125	0.05345027	0.04573934	0.9535346	0.5642231	0.1149743	8.99E-05	8.99E-05	blue
0.9830811	0.8668265	0.7455487	0.3004439	0.7151925	0.7712588	0.1174074	0.1174074	green
0.4477379	0.6595389	0.4740614	0.5408088	0.1051301	0.6654373	0.07522064	0.07522064	turquoise
0.2466525	0.4210237	0.8132082	0.876688	0.4421097	0.3469799	2.30E-05	2.30E-05	blue
0.2008044	0.6355653	0.7481173	0.9481595	0.8463415	0.2422965	0.2646877	0.2646877	red
0.7943487	0.272109	0.04180089	0.542429	0.3445729	0.2998737	1.35E-15	1.35E-15	yellow
0.8172802	0.6152998	0.3929965	0.866347	0.4934749	0.9039324	0.1128006	0.1128006	grey

0.935739	0.1140844	0.03070979	0.8749808	0.4913773	0.03593573	0.06579268	0.06579268	grey
0.5620067	0.1569237	0.03881441	0.2383867	0.6755682	0.1909968	0.8108993	0.8108993	tan
0.1363443	0.9643724	0.2148175	0.9465898	0.3972104	0.7136512	0.9067923	0.9067923	turquoise
0.4431018	0.2381049	0.00038474	0.0491592	0.6901989	0.05241167	0.00646147	0.00646147	turquoise
0.09560786	0.1613298	0.9337432	0.6257667	0.8706683	0.9504176	0.0244381	0.0244381	grey
0.9705942	0.2986696	0.0008294	0.1954129	0.3180037	0.04708327	0.00020994	0.00020994	green
0.02819852	0.9593723	0.314183	0.9128729	0.8873642	0.5657338	0.2170086	0.2170086	grey
0.07181802	0.0999184	0.6055137	0.0685666	0.6506567	0.8058578	0.04154462	0.04154462	midnightblue
0.9892947	0.5909271	0.40206	0.8339802	0.9826198	0.5471566	0.8276656	0.8276656	blue
0.586422	0.7526465	0.7047064	0.2034242	0.7964515	0.619015	0.03385718	0.03385718	orange
0.2194855	0.9911384	0.999753	0.6487382	0.397192	0.7634878	0.1208432	0.1208432	turquoise
0.3757342	0.8661328	0.1776658	0.9847745	0.708239	0.2566208	0.3796048	0.3796048	turquoise
0.5993055	0.2145071	0.8575713	0.8353057	0.3390721	0.4102728	1.14E-06	1.14E-06	blue
0.0966341	0.5632697	0.05648181	0.5961244	0.4869317	0.1725645	0.00560819	0.00560819	turquoise
0.06451392	0.206498	0.00090837	0.1331308	0.5113368	0.1396593	0.2884395	0.2884395	turquoise
0.0796296	0.668487	0.2085702	0.5775206	0.3395956	0.565654	0.1110044	0.1110044	grey
0.04620851	0.8444074	0.0400138	0.4522186	0.7440707	0.6509394	5.24E-05	5.24E-05	grey
0.3898615	0.2926066	0.6862349	0.8210838	0.3428686	0.07581831	4.37E-06	4.37E-06	turquoise
0.2894461	0.03000107	0.1391037	0.1233404	0.5734992	0.2998189	0.2082497	0.2082497	blue
0.8100712	0.02575009	0.2003231	0.3841891	0.7775762	0.560626	0.03415397	0.03415397	turquoise
0.00847638	0.8490777	0.2908858	0.6903863	0.524945	0.4368318	0.1313746	0.1313746	turquoise
0.4267127	0.3429281	0.01135505	0.0593026	0.1591635	0.1072963	0.00184379	0.00184379	grey
0.6770933	0.09673327	0.2697902	0.3545624	0.7682686	0.939381	0.0057362	0.0057362	brown
0.125327	0.09769735	0.3313926	0.0998097	0.8716443	0.01674476	4.76E-05	4.76E-05	turquoise
0.2103538	0.2455551	0.1122268	0.6857453	0.6282682	0.2217921	1.40E-07	1.40E-07	blue
0.6075558	0.6047234	0.6958595	0.689114	0.4685216	0.3714603	0.8049217	0.8049217	cyan
0.4882311	0.3176041	0.779932	0.5116358	0.647381	0.557688	0.4364111	0.4364111	grey
0.7623052	0.8177891	0.00643269	0.2864162	0.8005625	0.0985307	0.6209055	0.6209055	turquoise
0.5443293	0.1324498	0.1462338	0.3132831	0.7513066	0.5192609	1.52E-05	1.52E-05	yellow
0.6700494	0.3286175	0.106032	0.1240844	0.4514056	0.4576421	0.05859598	0.05859598	grey
0.1704281	0.1014766	0.9071281	0.601075	0.823328	0.9682614	0.3940906	0.3940906	grey
0.4612044	0.4106975	0.9877447	0.0526031	0.3335296	0.06068123	0.7668346	0.7668346	turquoise
0.6358979	0.00045014	0.05468774	0.2745086	0.8583602	0.882395	2.90E-12	2.90E-12	yellow
0.6474695	0.4829165	0.6303097	0.562512	0.6604181	0.8782788	0.7223739	0.7223739	blue
0.6530821	0.1993465	0.3477215	0.7436753	0.6008031	0.09744233	0.9805773	0.9805773	turquoise
0.00373267	0.6595811	0.00339403	0.8645287	0.4937785	0.04631562	0.9459206	0.9459206	darkred
0.3044962	0.1474335	0.5205969	0.6983369	0.6889208	0.5600711	1.03E-05	1.03E-05	turquoise
0.789023	0.1695755	0.6797614	0.6258076	0.1399674	0.5037527	0.00054682	0.00054682	grey
0.4248434	0.1351739	0.1154325	0.2074711	0.4170032	0.702495	0.01514054	0.01514054	grey
0.5950876	0.01306506	0.9043116	0.5048839	0.4671897	0.2720337	0.2176092	0.2176092	darkred
0.262595	0.04783832	0.2997546	0.2201779	0.6872824	0.2716769	8.73E-09	8.73E-09	brown
0.8833754	0.5026073	0.04788833	0.0356896	0.3441989	0.7482029	0.6749665	0.6749665	grey
0.840159	0.4141437	0.04766429	0.4325494	0.9440317	0.06593496	0.00060955	0.00060955	turquoise
0.3745507	0.1531231	0.4875168	0.4650522	0.6284127	0.6957266	0.00797113	0.00797113	blue
0.2531844	0.00169518	0.03732495	0.0361586	0.9230452	0.5873743	8.69E-17	8.69E-17	brown
0.6781235	0.00408811	0.9516646	0.6934465	0.9767025	0.9053643	0.00014268	0.00014268	blue
0.1046759	0.3777642	0.02226797	0.6873972	0.3513662	0.425671	0.01733635	0.01733635	magenta
0.3666712	0.1101193	0.07544809	0.0515628	0.9024831	0.2680541	0.0006998	0.0006998	grey
0.6538196	0.0008586	0.06051655	0.8128201	0.6901873	0.2078034	0.00435595	0.00435595	blue
0.01443938	0.8512002	0.8147991	0.1829668	0.1382407	0.7475556	0.01285261	0.01285261	grey
0.8931241	0.6513659	0.02967581	0.0237462	0.4801478	0.00207393	0.3120199	0.3120199	grey
0.6377025	0.1617915	0.8504452	0.3720717	0.3846216	0.5891075	0.4204632	0.4204632	grey
0.1638175	0.5647767	0.1481997	0.8620089	0.7578131	0.048992	0.04221035	0.04221035	blue
0.3258424	0.7173432	0.4668239	0.4713968	0.8163769	0.8937032	0.0542784	0.0542784	grey
0.924082	0.01913068	1.29E-05	0.0156096	0.1747931	0.213063	2.25E-10	2.25E-10	green
0.5663992	0.90531	2.37E-06	0.1978353	0.9852187	0.5701041	9.36E-06	9.36E-06	tan
0.1860519	0.8561395	0.1087144	0.2440822	0.6793317	0.07916739	0.2356694	0.2356694	turquoise
0.5831005	0.7711241	0.5616277	0.8016375	0.1224319	0.958505	0.09845452	0.09845452	grey
0.4786728	0.9434628	0.7761114	0.3123018	0.8881969	0.8065081	0.6224698	0.6224698	turquoise
0.61047	0.1519979	0.8470621	0.3905419	0.8314686	0.2829146	0.00010057	0.00010057	lightcyan
0.486526	0.8091454	0.6896917	0.9210827	0.4941713	0.7666431	0.5163962	0.5163962	turquoise

0.8785834	0.04353704	0.00409467	0.4013193	0.2309678	0.3537171	1.17E-31	1.17E-31	yellow
0.6498676	0.6783802	0.9399175	0.4761375	0.2777882	0.1298365	0.03608544	0.03608544	turquoise
0.06904061	0.04474003	0.5286776	0.0855911	0.07026475	0.3284679	2.15E-05	2.15E-05	turquoise
0.4330372	0.3838382	0.5083771	0.7336431	0.9925681	0.8421776	0.6212406	0.6212406	blue
0.4582434	0.1686606	0.1316861	0.1688857	0.06791469	0.3731267	0.00166292	0.00166292	grey
0.09175588	0.8902705	0.08147649	0.2584576	0.124092	0.3767176	0.00260568	0.00260568	grey
0.8591968	0.0498936	0.2660932	0.7484689	0.584319	0.4851643	6.57E-05	6.57E-05	brown
0.1827198	0.8788	0.999902	0.8272367	0.6061389	0.2701168	0.01843723	0.01843723	grey
0.4548375	0.00393023	0.250474	0.2502083	0.4110763	0.1896389	0.34226	0.34226	turquoise
0.00615924	0.4147461	0.2580691	0.6791618	0.5616165	0.3849354	0.00025814	0.00025814	blue
0.2918464	0.00172741	0.04105876	0.8551516	0.7602649	0.4892113	4.49E-13	4.49E-13	brown
0.2189275	0.5996301	0.00400193	0.3404354	0.1436652	0.3674281	0.05562957	0.05562957	turquoise
0.07568696	0.3156808	0.4747771	0.4777516	0.492873	0.746644	0.493509	0.493509	turquoise
0.7628489	0.01403922	0.4497104	0.5961688	0.4463703	0.3770731	6.01E-10	6.01E-10	brown
0.8525465	0.8860497	0.2031726	0.5727557	0.9892225	0.8335609	0.6597901	0.6597901	pink
0.6310061	0.00291715	0.8005959	0.3241291	0.9459389	0.7655102	0.00205631	0.00205631	turquoise
0.4043162	0.01683907	0.899686	0.95115	0.9800053	0.8872559	4.90E-05	4.90E-05	grey
0.7413348	0.00441251	0.0758185	0.0225639	0.7988771	0.3975912	0.01431392	0.01431392	grey
0.2686552	0.8536462	0.4838033	0.8730228	0.809298	0.9967837	0.09509722	0.09509722	grey
0.7051525	0.42722	0.6035926	0.8537356	0.8166134	0.1014619	1.28E-05	1.28E-05	grey
0.5723329	0.00278556	0.5632268	0.7461516	0.3632556	0.884451	0.04726844	0.04726844	grey
0.3704661	0.2871486	0.184543	0.8375344	0.7422224	0.6568246	0.64899	0.64899	grey
0.6821075	0.2244579	0.9658404	0.1993292	0.7690029	0.08608967	4.30E-07	4.30E-07	brown
0.1995771	0.4045863	0.1410248	0.9126888	0.1688441	0.06848205	0.8885871	0.8885871	green
0.6447356	0.1202502	0.5939334	0.627513	0.8838435	0.3190772	1.72E-19	1.72E-19	brown
0.2120489	0.725531	0.05300101	0.540165	0.4417633	0.3802601	0.00171164	0.00171164	turquoise
0.2041357	0.06080922	0.1602105	0.5945063	0.06592665	0.1824341	0.00030409	0.00030409	turquoise
0.7569754	0.767379	0.01000492	0.1122259	0.5932574	0.00971412	0.6494367	0.6494367	turquoise
0.4781089	0.05101631	0.7874778	0.0994542	0.1835687	0.8421436	0.02389333	0.02389333	grey
0.7555998	0.01747823	0.2548621	0.568858	0.1972842	0.180027	3.06E-05	3.06E-05	grey
0.5559356	0.6833171	0.1359319	0.9469232	0.9770263	0.5910056	0.4486032	0.4486032	pink
0.1725275	0.8159342	0.2638115	0.9119866	0.971546	0.2409387	0.2807679	0.2807679	grey
0.4248111	0.6651432	0.8008621	0.4051352	0.2098621	0.4931292	0.536243	0.536243	grey
0.9260626	0.01440872	0.03728651	0.2806592	0.898124	0.7520292	1.62E-22	1.62E-22	yellow
0.01031519	0.2190877	0.6957345	0.8767677	0.2908542	0.01817423	0.8554	0.8554	grey
0.1233537	0.8349886	0.08582296	0.4896384	0.1350423	0.134552	0.1698715	0.1698715	grey
0.1191654	0.9097422	0.00020279	0.0657273	0.38296	0.03183407	0.00012573	0.00012573	blue
0.7705294	0.8236983	0.00203959	0.1972407	0.9417493	0.01835961	0.03153058	0.03153058	turquoise
0.7713127	0.5750984	0.07497045	0.0030692	0.1913841	0.05484634	0.982963	0.982963	grey
0.8144331	0.7862852	0.01714828	0.9393012	0.229799	0.2760988	0.06985174	0.06985174	turquoise
0.02736754	0.3473438	0.1262411	0.7416069	0.6881005	0.1197447	0.4118997	0.4118997	turquoise
0.07826605	0.3962383	0.1151167	0.045332	0.0561942	0.2055288	0.2635502	0.2635502	grey
0.487912	0.4939065	0.7270926	0.2321259	0.8693958	0.4674419	2.83E-10	2.83E-10	black
0.4149689	0.0069789	0.06576422	0.3584821	0.5093657	0.9994497	4.52E-24	4.52E-24	brown
0.1579855	0.7845103	0.8194554	0.7201571	0.6569043	0.2829902	9.25E-10	9.25E-10	grey
0.8046373	0.0080694	0.0514143	0.5717277	0.6230298	0.9954859	2.21E-09	2.21E-09	yellow
0.3796577	0.3309392	0.328574	0.6669586	0.7087607	0.6877518	0.1213619	0.1213619	turquoise
0.268714	0.3606693	0.3859708	0.0886309	0.8650949	0.1590588	0.4352683	0.4352683	grey
0.5996566	0.09095261	0.2490695	0.8425025	0.4274195	0.7838685	8.03E-08	8.03E-08	brown
0.356886	0.482497	0.02765849	0.0958175	0.8786048	0.7876933	0.2251683	0.2251683	turquoise
0.2123666	0.5312693	0.00646704	0.0107581	0.685938	0.03073093	0.00430682	0.00430682	turquoise
0.2451256	0.8893349	0.2764601	0.1721258	0.2626483	0.05357382	0.4013156	0.4013156	turquoise
0.5333566	0.11203	0.7849618	0.2074146	0.718957	0.3308786	0.00721104	0.00721104	blue
0.00860935	0.5103586	0.164432	0.6355269	0.8470106	0.4281727	0.8629743	0.8629743	royalblue
0.1838085	0.2949093	0.5029797	0.6251393	0.1313852	0.5954784	0.5100613	0.5100613	grey
0.00704881	0.8331446	0.2960499	0.073775	0.7267213	0.9839514	0.6571396	0.6571396	blue
0.2708582	0.710489	0.00104576	0.1796927	0.6472629	0.1948282	0.1801004	0.1801004	pink
0.7378266	0.04092081	0.5214554	0.4829042	0.09266351	0.1649452	0.1208129	0.1208129	grey
0.3776517	0.02323081	0.4314747	0.9312721	0.6547875	0.203537	0.00646061	0.00646061	grey
0.4307632	0.3620664	0.1156691	0.8977698	0.2121776	0.8359163	0.2294301	0.2294301	grey
0.3889631	0.2068576	0.00508349	0.1360542	0.4681418	0.1921822	1.64E-19	1.64E-19	yellow

0.3380126	0.4585778	0.890977	0.2612164	0.6954267	0.2096431	0.02966771	0.02966771	grey
0.6946448	0.6174177	0.04453152	0.7476542	0.9164409	0.6685053	0.01921529	0.01921529	pink
0.6903347	0.1753965	0.3077865	0.6627733	0.8773506	0.9836979	0.470138	0.470138	turquoise
0.2865212	0.5487252	0.9936063	0.4244142	0.5348261	0.6812767	0.09521056	0.09521056	blue
0.2774034	0.08158438	0.3829537	0.2741423	0.857411	0.4284176	0.08933385	0.08933385	turquoise
0.1589631	0.9762338	0.268985	0.2729818	0.3474885	0.1389252	0.00143798	0.00143798	turquoise
0.5597885	0.01609122	0.5244582	0.7115264	0.7496781	0.476125	3.17E-10	3.17E-10	turquoise
0.2124366	0.6466969	0.01390214	0.5417297	0.4356579	0.2492941	2.32E-17	2.32E-17	yellow
0.42115	0.1647015	0.7753568	0.8635552	0.452829	0.6325208	0.00025588	0.00025588	grey60
0.2012949	0.7031569	0.2852932	0.5262809	0.08772613	0.3363165	0.9306268	0.9306268	grey
0.6237241	0.8210041	0.2757661	0.9979836	0.9722915	0.1006941	0.06028894	0.06028894	turquoise
0.8100061	0.04612608	0.3323682	0.5956775	0.6799588	0.9250527	3.34E-20	3.34E-20	yellow
0.6026449	0.01116677	0.1125556	0.5883948	0.4611308	0.4084904	1.84E-09	1.84E-09	brown
0.1956855	0.1460151	0.3595561	0.5529406	0.6730051	0.9606608	0.8026052	0.8026052	greenyellow
0.369757	0.4988987	0.6567754	0.2068921	0.865434	0.6350686	0.01716225	0.01716225	grey
0.1501181	0.1033687	0.8871445	0.2721624	0.6596124	0.5515662	0.00782115	0.00782115	grey
0.8781537	0.6054185	0.2220386	0.2869297	0.8683394	0.1899983	3.12E-05	3.12E-05	blue
0.5640336	0.1272381	0.2191626	0.4958901	0.2559544	0.197411	0.00055793	0.00055793	blue
0.9681928	0.4622728	0.00211991	0.4312821	0.9718146	0.4068973	0.9314948	0.9314948	pink
0.7412251	0.01603943	0.3011258	0.9887911	0.6349442	0.2163544	0.03365307	0.03365307	turquoise
0.2716562	0.8738225	0.00081988	0.5950496	0.4842835	0.08830559	0.2560477	0.2560477	blue
0.8557685	0.6636471	0.0443096	0.8838554	0.7911258	0.8610201	0.9683082	0.9683082	grey
0.5894361	0.1932714	0.3199111	0.9972855	0.2971266	0.9875437	0.00347195	0.00347195	blue
0.1800844	0.4556602	0.2539759	0.6210283	0.6887535	0.7688317	0.435194	0.435194	midnightblue
0.7703423	0.2233089	0.09898953	0.0713498	0.6300469	0.04643583	0.05129123	0.05129123	turquoise
0.7046398	0.00120961	0.02577325	0.7520879	0.7650365	0.6219847	1.63E-22	1.63E-22	brown
0.4002954	0.572303	0.1519307	0.578393	0.7831209	0.02362125	0.01328575	0.01328575	turquoise
0.4564306	0.9648885	0.5722112	0.5022683	0.7548026	0.1609953	0.8210559	0.8210559	grey
0.2158666	0.1026924	0.7039686	0.2564574	0.4742423	0.2178237	0.0292143	0.0292143	grey
0.7625781	0.1580891	0.855396	0.8274958	0.6434336	0.3481808	9.87E-07	9.87E-07	grey
0.01151393	0.07723015	0.133847	0.78786	0.6565477	0.6858681	9.17E-06	9.17E-06	blue
0.5093834	0.5364611	0.00141429	0.2388516	0.5866212	0.4102692	3.08E-12	3.08E-12	magenta
0.4360588	0.2491779	0.00576819	0.9724085	0.4723867	0.960426	0.2451877	0.2451877	pink
0.7300044	0.07152596	0.2854335	0.981204	0.9922209	0.5410974	3.78E-14	3.78E-14	brown
0.5775985	0.9971468	0.5618174	0.3668772	0.7069661	0.3747728	0.00116564	0.00116564	grey
0.7744052	0.3886479	0.1021213	0.4002117	0.3640719	0.1140543	0.649023	0.649023	black
0.7205398	0.1751227	0.9897495	0.0783334	0.7493593	0.7373161	0.00021062	0.00021062	blue
0.7434184	0.03167973	0.224633	0.091366	0.5274132	0.2709738	0.2897815	0.2897815	purple
0.2962639	0.2293044	0.4173947	0.5343548	0.7540321	0.8019767	0.06459449	0.06459449	purple
0.5180656	0.1469347	0.2162607	0.3986758	0.3626632	0.4254394	2.43E-07	2.43E-07	blue
0.9547942	0.7923902	0.2860719	0.2020577	0.9965488	0.15773	0.00226163	0.00226163	grey
0.08642753	0.2884349	0.9442341	0.8940475	0.7220173	0.5102974	0.2621033	0.2621033	grey
0.967856	0.6976671	0.00096349	0.1108095	0.5513767	0.1365012	0.1577368	0.1577368	turquoise
0.4074525	0.8471091	0.6073894	0.7588821	0.3366665	0.1415467	0.1741083	0.1741083	turquoise
0.4909322	0.2983649	0.4025168	0.2844431	0.8445128	0.5011404	0.9281121	0.9281121	black
0.8647954	0.5135735	0.455085	0.4688089	0.5196334	0.4645114	0.4294126	0.4294126	turquoise
0.1538457	0.02985518	0.06623596	0.9980542	0.7658031	0.8002147	2.24E-09	2.24E-09	brown
0.2483691	0.07912911	0.05682104	0.1456982	0.01189495	0.3594731	3.39E-09	3.39E-09	brown
0.7156897	0.6698463	0.00970124	0.2783213	0.6728238	0.4146026	0.09904058	0.09904058	turquoise
0.6737624	0.436164	0.00753517	0.1144092	0.9730343	0.143954	0.00773365	0.00773365	turquoise
0.6675942	0.4907523	0.05710329	0.2679119	0.4602997	0.5284388	0.06244496	0.06244496	pink
0.8499098	0.6485334	0.5615616	0.7780857	0.7219467	0.9439645	0.00129585	0.00129585	grey
0.1347711	0.00177355	0.00083944	0.0657651	0.7174652	0.1727263	1.88E-12	1.88E-12	yellow
0.2721205	0.8645817	0.506509	0.3026611	0.8875672	0.4890865	0.0002137	0.0002137	grey
0.3590664	0.00299411	0.01163239	0.1160213	0.781478	0.5556508	2.79E-06	2.79E-06	greenyellow
0.1647916	0.4055942	0.578565	0.1537725	0.842901	0.8281336	0.7259832	0.7259832	grey
0.204352	0.113943	0.05742402	0.0935347	0.852601	0.3157463	0.00067196	0.00067196	grey
0.0850428	0.01666077	0.8532183	0.2640839	0.4822474	0.5857785	0.03545524	0.03545524	lightgreen
0.4890129	0.601475	0.1320801	0.1690141	0.8783729	0.02219345	0.4105662	0.4105662	turquoise
0.7742668	0.2541142	0.9451889	0.7951886	0.277444	0.3536126	0.06213766	0.06213766	darkgreen
2.98E-14	0.08214368	0.00619468	0.3360874	0.4340064	0.1834531	0.00149172	0.00149172	blue

0.2045833	0.1040344	0.2917749	0.2732885	0.5031971	0.8281218	0.02449915	0.02449915	grey
0.6525334	0.5185168	0.7899638	0.7444616	0.06252278	0.3080954	0.121208	0.121208	turquoise
0.2987006	0.00113619	0.02139884	0.608082	0.8345613	0.1464782	3.22E-17	3.22E-17	brown
0.1044814	0.794659	0.8722316	0.4739264	0.2723361	0.6614333	0.1457115	0.1457115	grey
0.8252348	0.9396762	0.08690478	0.8208486	0.8844237	0.9039949	0.06553495	0.06553495	turquoise
0.08258915	0.5726562	0.6603981	0.1553836	0.2272694	0.8690823	0.00012856	0.00012856	turquoise
0.9716841	0.09309416	0.4079904	0.9174958	0.1408786	0.6618431	7.08E-05	7.08E-05	blue
0.1674675	0.01619681	0.05924486	0.3175789	0.9207285	0.01880409	0.0100257	0.0100257	turquoise
0.2443034	0.00249288	0.4193351	0.3246068	0.5749918	0.5747067	3.11E-15	3.11E-15	yellow
0.5904502	0.00402426	0.1012537	0.2709649	0.696018	0.8179028	0.2229509	0.2229509	blue
0.8422347	0.3844729	0.08800414	0.4228103	0.8570937	0.1866439	0.05435209	0.05435209	blue
0.6212445	0.00450356	0.1896368	0.6472366	0.8289263	0.8084775	2.96E-11	2.96E-11	brown
0.2535625	0.4167499	0.8394863	0.225806	0.8072276	0.7754928	0.00662069	0.00662069	blue
0.02473683	0.3919433	0.1728046	0.9230918	0.4749126	0.8781029	0.9277663	0.9277663	turquoise
0.4497528	0.1287006	0.1561513	0.4410552	0.993977	0.4358009	0.02357156	0.02357156	turquoise
1.00E-05	0.8149674	0.02046918	0.494615	0.5991307	0.00518838	0.1174997	0.1174997	turquoise
0.8433132	0.04380465	0.4742107	0.8123027	0.5887407	0.9641472	4.44E-07	4.44E-07	grey
0.07703536	0.0635638	0.02230798	0.2801306	0.6934662	0.1660213	0.1494654	0.1494654	magenta
0.650563	0.4588225	0.00010612	0.1122105	0.8981569	0.9642148	0.00048954	0.00048954	magenta
0.4576405	0.8600818	0.1035091	0.3907108	0.5200573	0.04731028	0.01816499	0.01816499	blue
0.2607692	0.1944831	0.637164	0.2906789	0.09546686	0.4784176	0.03176115	0.03176115	blue
0.5661128	0.02140716	0.08493404	0.1658536	0.5200389	0.3841667	6.41E-14	6.41E-14	yellow
0.1134813	0.2227935	0.1510362	0.178935	0.8554409	0.1782247	0.01202083	0.01202083	blue
0.9790205	0.4809403	0.00441576	0.2382054	0.764664	0.0786653	0.386265	0.386265	turquoise
0.5675755	0.423593	0.3724937	0.2981874	0.8348561	0.2013557	0.05345999	0.05345999	grey
0.6128938	0.8055578	0.2128949	0.9587542	0.4607998	0.9979677	0.9288043	0.9288043	turquoise
0.5883773	0.8966509	0.6629168	0.7656434	0.1106073	0.7989542	9.28E-07	9.28E-07	grey
0.9358322	0.3265049	0.1018986	0.6090572	0.9240378	0.6118722	6.71E-05	6.71E-05	red
0.5197758	0.7466618	0.07186483	0.2553305	0.8398077	0.1130574	9.27E-05	9.27E-05	brown
0.1624125	0.9317038	0.6510529	0.5951043	0.9129275	0.7610082	0.6023112	0.6023112	grey
0.6711929	0.04485296	0.6408742	0.3763986	0.9130669	0.7831733	3.99E-06	3.99E-06	grey
0.8977691	0.3119715	0.02702175	0.1957178	0.9549856	0.09147929	0.9809731	0.9809731	turquoise
0.9760058	0.1861992	0.07986607	0.4713159	0.09748261	0.9580246	0.05448448	0.05448448	green
0.3660629	0.2264059	0.2424186	0.4018593	0.6195084	0.8480827	1.10E-05	1.10E-05	turquoise
0.4153162	0.01294022	0.3181882	0.0416029	0.04592524	0.7549027	0.3560652	0.3560652	grey
0.08392191	0.4196152	0.00080208	0.4148464	0.468008	0.7449921	0.1721139	0.1721139	turquoise
0.09245368	0.5227666	0.02083055	0.083747	0.7180825	0.426397	0.5168075	0.5168075	pink
0.1270706	0.1991173	0.8608372	0.735805	0.7471792	0.4538099	4.95E-05	4.95E-05	black
0.00249597	0.5319403	0.7291888	0.2068668	0.260336	0.5133629	0.1613046	0.1613046	grey
0.02767349	0.2300729	0.9164813	0.0612528	0.8907107	0.6455791	0.00059012	0.00059012	blue
0.8132624	0.9340308	0.00411844	0.3696306	0.4219609	0.3185095	0.09382251	0.09382251	pink
0.2035436	0.4567403	0.4226887	0.5120921	0.2114204	0.1582554	0.2506387	0.2506387	grey
0.8745862	0.4433677	0.01082627	0.4273328	0.8610872	0.09288064	0.71529	0.71529	black
0.4328156	0.490123	4.46E-06	0.3046441	0.7679922	0.04017154	0.9534735	0.9534735	blue
0.00232331	0.2058562	0.2893608	0.4869524	0.7090376	0.4929719	1.71E-07	1.71E-07	blue
0.4049605	0.3141218	0.262297	0.7154468	0.3884608	0.5738438	4.15E-06	4.15E-06	blue
0.2231741	0.4364086	0.6669641	0.3876712	0.4513776	0.2845521	0.9855995	0.9855995	turquoise
0.6553183	0.4350795	0.9731619	0.2509566	0.7430752	0.4571833	0.7555603	0.7555603	grey
0.06648177	0.5239016	0.8282565	0.8278605	0.2385627	0.4564821	0.3369563	0.3369563	turquoise
0.3852759	0.00464844	0.08822668	0.8568495	0.8867297	0.4067765	8.77E-11	8.77E-11	brown
0.05212992	0.07613072	0.4801273	0.0241787	0.5613215	0.3857663	0.3386026	0.3386026	greenyellow
0.6918588	0.02985076	0.8878763	0.2156431	0.7617055	0.8287265	0.0005375	0.0005375	grey
0.47967	0.3704757	0.4211337	0.8528813	0.5085854	0.9039466	0.0334661	0.0334661	blue
0.6195121	0.3778408	0.4390656	0.1450668	0.5139183	0.7761001	2.69E-08	2.69E-08	grey
0.01082447	0.4026777	0.8017239	0.3084998	0.716737	0.167356	0.00119775	0.00119775	turquoise
0.3646209	0.9190097	0.5932764	0.4862463	0.09596266	0.2016497	0.5324668	0.5324668	turquoise
0.1319986	0.6452107	0.3747292	0.0088457	0.00327525	0.1397878	0.05524337	0.05524337	salmon
0.1432557	0.4509144	0.00321643	0.958258	0.3191524	0.3223873	0.00929878	0.00929878	grey
0.5377402	0.00180648	0.1096217	0.0527912	0.1594982	0.2251581	3.20E-07	3.20E-07	turquoise
0.09278149	0.1137809	0.00424127	0.9587607	0.07973816	0.2706812	0.04305213	0.04305213	grey
0.2499754	0.08893054	0.1766735	0.4335445	0.9460754	0.8737049	0.4857754	0.4857754	pink

0.126019	0.2257945	0.8458233	0.6283222	0.06720957	0.01307946	0.7988821	0.7988821	purple
0.01701697	0.0195111	0.01021129	0.5592678	0.656264	0.2734491	0.08264299	0.08264299	darkred
0.2596131	0.0223178	0.7741002	0.907285	0.3496976	0.7752449	0.1249611	0.1249611	turquoise
0.1220144	0.01986584	0.4204564	0.0821563	0.3082157	0.7815965	0.00133194	0.00133194	brown
0.06877871	0.1799359	0.5380024	0.1412499	0.7306186	0.2861408	0.9305902	0.9305902	turquoise
0.00844252	0.1518449	0.5274402	0.9525287	0.6476086	0.8725149	0.07134492	0.07134492	royalblue
0.5508425	0.7069445	0.6179843	0.0292837	0.5389169	0.5971184	0.00716014	0.00716014	grey
0.9877209	0.0260202	0.00913243	0.0599375	0.2223492	0.01822181	0.1470671	0.1470671	turquoise
0.5351669	0.8919491	0.8938417	0.245812	0.1808083	0.7908437	0.01037262	0.01037262	grey
0.1434259	0.9829491	0.01131264	0.0307596	0.9551711	0.1377007	0.1566507	0.1566507	grey
0.04234335	0.7852575	0.1088253	0.0639633	0.7417766	0.06808891	0.3696076	0.3696076	white
0.9285218	0.5210899	0.08853844	0.288981	0.1441704	0.748093	0.00202454	0.00202454	grey
0.1688341	0.3619273	0.504031	0.3754384	0.8860073	0.7472207	0.6210287	0.6210287	grey
0.07723556	0.02538745	0.8477287	0.7880691	0.9485457	0.4013874	4.40E-09	4.40E-09	blue
0.9327824	0.1725202	0.00872423	0.6498357	0.1232558	0.05466914	0.00017179	0.00017179	turquoise
0.4152761	0.01285916	0.03779403	0.3016584	0.6753423	0.1614139	3.29E-05	3.29E-05	grey
0.5745466	0.1417356	0.106844	0.189411	0.7078983	0.3242829	0.5012169	0.5012169	blue
0.1713211	0.1349385	0.6432102	0.669869	0.6151832	0.6819586	0.00041597	0.00041597	blue
0.188286	0.2602297	6.06E-05	0.1650199	0.4484879	0.8851845	6.79E-12	6.79E-12	yellow
0.08896587	0.02667787	0.794314	0.7351751	0.2818713	0.7139577	0.00246584	0.00246584	blue
0.6319227	0.413283	0.00619565	0.1732878	0.9639569	0.4533086	5.28E-28	5.28E-28	yellow
0.463397	0.6397462	0.1371222	0.7928565	0.5435609	0.5542572	0.00060309	0.00060309	grey
0.7574692	0.6082852	0.5761474	0.0808981	0.4465444	0.4215829	0.2001338	0.2001338	black
0.8737563	0.1125627	0.03304444	0.0878372	0.5490975	0.04141489	2.54E-05	2.54E-05	turquoise
0.878127	0.8012178	0.2287162	0.1933428	0.605451	0.1489336	0.1012558	0.1012558	turquoise
0.7761826	0.06131332	0.1753062	0.4491309	0.2122187	0.2368584	7.38E-05	7.38E-05	blue
0.03114493	0.1332632	0.9149599	0.3243695	0.5276378	0.675118	0.4812351	0.4812351	turquoise
0.1853388	0.9690072	0.5366581	0.1779474	0.7331215	0.5415695	0.2008491	0.2008491	turquoise
0.2902234	0.5798544	0.2298172	0.0430849	0.1029813	0.6565787	0.2977983	0.2977983	turquoise
0.7767212	0.1564347	0.08660249	0.0633991	0.6387839	0.2231934	0.00031565	0.00031565	turquoise
0.05817186	0.1443745	0.3019083	0.5704303	0.06249458	0.08031946	0.05010793	0.05010793	turquoise
0.9648452	0.6279711	0.4641484	0.4602408	0.5348657	0.5117226	9.12E-09	9.12E-09	purple
0.3520751	0.1961681	0.3682298	0.0309723	0.968351	0.7635599	0.04248223	0.04248223	red
0.505315	0.1312554	0.0296531	0.0247119	0.3215578	0.09278521	0.8655236	0.8655236	grey
0.5784725	0.8663345	0.6577463	0.3417413	0.09034488	0.7377448	0.1399344	0.1399344	grey
0.8795597	6.69E-05	0.2263496	0.4042868	0.8624281	0.7611959	1.61E-05	1.61E-05	blue
0.3397235	0.00986915	0.09830692	0.3996128	0.8093121	0.05568182	0.0203744	0.0203744	blue
0.2424297	0.6207309	0.5586171	0.8020439	0.9343387	0.6058879	0.9828891	0.9828891	grey
0.9701373	0.1668402	0.06973472	0.4388857	0.7085069	0.5347722	0.00075784	0.00075784	blue
0.5378532	0.02830481	0.6670197	0.7693763	0.9926104	0.88258	0.00406532	0.00406532	brown
0.2928466	0.2454368	0.1599838	0.1878804	0.8028338	0.1344846	0.00031415	0.00031415	blue
0.3529837	0.00693473	0.1652983	0.719252	0.9885412	0.6210735	3.00E-11	3.00E-11	brown
0.9652961	0.00027266	0.06715075	0.4953868	0.6180089	0.4377128	7.77E-07	7.77E-07	brown
0.5654412	0.7198231	0.9790909	0.9693883	0.251057	0.9413466	0.04210391	0.04210391	turquoise
0.04475244	0.1236476	0.02791179	0.1624481	0.9996973	0.04005928	0.6592492	0.6592492	turquoise
0.1051236	0.2360254	0.1530187	0.0013954	0.6818068	0.2376692	0.09659362	0.09659362	grey
0.6789542	0.7285964	0.2832835	0.3955381	0.6094092	0.4825696	0.5304044	0.5304044	turquoise
0.411339	0.4604562	0.5014103	0.2931397	0.1200534	0.4011726	0.147532	0.147532	brown
0.6926496	0.2332584	0.4693056	0.8801714	0.4418954	0.247901	0.4745926	0.4745926	turquoise
0.1781919	0.6987882	0.7557286	0.5070693	0.6589708	0.6196697	0.00135701	0.00135701	purple
0.2451135	0.9844051	0.2266336	0.1269799	0.2410628	0.2760993	0.7610951	0.7610951	turquoise
0.9718868	0.1285309	0.00160173	0.0429466	0.7478451	0.1597666	0.2819821	0.2819821	turquoise
0.5974377	0.9566139	0.2086125	0.6505828	0.6977713	0.344674	0.1605789	0.1605789	grey
0.6766345	0.8304873	0.07869831	0.2688774	0.5083568	0.8909808	0.02553857	0.02553857	blue
0.8085262	0.0056329	0.06298883	0.6023984	0.547979	0.2532199	3.73E-11	3.73E-11	brown
0.4094301	0.985754	0.05667636	0.580479	0.5368977	0.4585272	0.7027866	0.7027866	turquoise
0.4462399	0.01359417	0.2577827	0.8240894	0.1367787	0.9485554	2.75E-06	2.75E-06	grey
0.5125386	0.4367635	0.00115414	0.101424	0.1501372	0.05370421	0.2140211	0.2140211	turquoise
0.8757828	0.02254187	0.2711343	0.8073282	0.9952172	0.7192772	0.00216666	0.00216666	pink
0.8092482	0.9894794	0.3269872	0.3331787	0.4788092	0.5635095	0.0009088	0.0009088	grey
0.2541728	0.1603959	0.2942248	0.4510408	0.4786304	0.4227678	0.9352596	0.9352596	grey

0.7534663	0.35077	0.8684119	0.0594329	0.00206414	0.6379313	0.2500237	0.2500237	grey
0.1094506	0.1207326	0.5636116	0.6594138	0.7894445	0.5879645	0.03125798	0.03125798	grey
0.7870362	0.03693606	0.1058398	0.0600969	0.6590135	0.1705116	2.35E-09	2.35E-09	blue
0.5593966	0.2026768	0.8231456	0.6473041	0.7781992	0.9146552	3.31E-08	3.31E-08	salmon
0.2455839	0.00183263	0.9420903	0.1957148	0.9961851	0.6803489	0.0250019	0.0250019	brown
0.3634207	0.0881993	0.8457126	0.4304088	0.4964864	0.8451633	0.03835992	0.03835992	blue
0.5519376	0.850734	0.1317885	0.4271947	0.568119	0.6111058	0.6167302	0.6167302	grey
0.04152336	0.01093153	0.211976	0.3378012	0.4690842	0.4876256	2.46E-05	2.46E-05	blue
0.2374375	0.03832707	0.2412692	0.7352416	0.3467169	0.8948358	0.1536418	0.1536418	grey
0.7462497	0.893367	0.1906742	0.114463	0.6071727	0.1642833	0.2831757	0.2831757	turquoise
0.4688962	0.00623305	0.05889812	0.4992287	0.6544652	0.9109359	3.60E-12	3.60E-12	brown
0.06238755	0.5662975	0.00210354	0.4402612	0.5734859	0.2218614	0.9135796	0.9135796	green
0.1378428	0.00115455	0.4715618	0.7445453	0.6031064	0.6088389	3.00E-22	3.00E-22	yellow
0.7925465	0.1743543	0.09554669	0.3282696	0.5349345	0.3478551	0.6638329	0.6638329	grey
0.0602609	0.984499	0.1976028	0.5760436	0.7296763	0.2243225	0.146148	0.146148	grey
0.6356287	0.1623974	0.05214588	0.5252891	0.4019796	0.8447709	1.02E-09	1.02E-09	brown
0.6459304	0.8832237	0.00375249	0.5410862	0.8323497	0.7903646	0.2780113	0.2780113	pink
0.1230483	0.09426365	0.9450128	0.8028168	0.3744512	0.5503891	0.2150679	0.2150679	turquoise
0.8962363	0.3786982	0.156386	0.0740617	0.04911875	0.3856926	0.0042682	0.0042682	grey
0.2806027	0.9078188	0.6036018	0.8730719	0.7907834	0.3883806	0.00616647	0.00616647	blue
0.6796419	0.5350814	0.1911853	0.2731395	0.7665911	0.6749318	0.8634903	0.8634903	purple
0.01342908	0.05602827	0.4845265	0.2946922	0.2788637	0.3623507	0.9572395	0.9572395	turquoise
0.05236751	0.4981198	0.1525289	0.2421119	0.5538408	0.9156584	0.5371887	0.5371887	blue
0.4209467	0.4961428	0.8911898	0.873074	0.5971001	0.3726083	0.00112661	0.00112661	blue
0.39901	0.8074679	0.00347189	0.6975185	0.7505474	0.3331299	0.6283666	0.6283666	pink
0.7678005	0.03863711	0.3281235	0.1432451	0.7426185	0.5085134	0.04793887	0.04793887	blue
0.1268064	0.02788821	0.1079629	0.5784395	0.5113927	0.7693961	0.1174301	0.1174301	brown
0.2837647	0.1444705	0.01213627	0.5032583	0.974921	0.9483457	0.3814553	0.3814553	turquoise
0.3642368	0.3169627	0.01311966	0.5212353	0.9780321	0.2376081	0.01381721	0.01381721	grey
0.9498025	0.8558153	0.02180779	0.2814729	0.9214385	0.4372712	0.04835038	0.04835038	red
0.259586	0.03697001	0.0043451	0.4554817	0.2501788	0.259213	0.00360648	0.00360648	brown
0.0623581	0.3880139	0.09834912	0.026806	0.5478768	0.135383	0.4161634	0.4161634	turquoise
0.2155492	0.5404513	0.06974714	0.6670481	0.8201581	0.6791459	0.00116817	0.00116817	grey
0.103751	0.4962172	0.240635	0.1394161	0.6197188	0.1793751	0.2342222	0.2342222	green
0.07073405	0.772275	0.154322	0.4906533	0.8925463	0.1543133	2.36E-05	2.36E-05	turquoise
0.2041903	0.06702558	0.710663	0.9118642	0.3990561	0.9128206	9.25E-05	9.25E-05	blue
0.2497475	0.04150762	0.00924599	0.0537684	0.6752132	0.01912414	0.00372716	0.00372716	turquoise
0.9733355	0.34936	0.2164183	0.6354301	0.9254687	0.7209914	0.1615377	0.1615377	pink
0.3387575	0.1962645	0.2518522	0.198322	0.399663	0.72238	0.00776244	0.00776244	blue
0.9372031	0.00062133	0.00960495	0.2557681	0.5122089	0.796158	2.06E-33	2.06E-33	yellow
0.3252297	0.4840318	0.00048927	0.0356698	0.7607592	0.00426382	0.2794949	0.2794949	turquoise
0.9779761	0.1150834	0.02712943	0.4797307	0.7685367	0.1575178	0.00128078	0.00128078	turquoise
0.06306524	0.6253661	0.6758335	0.4599131	0.7929054	0.6499125	0.4602069	0.4602069	blue
0.6379741	0.3228569	0.0766051	0.9285355	0.4182569	0.4692947	2.31E-05	2.31E-05	yellow
0.04479853	0.9848051	0.03449942	0.1499539	0.3653666	0.1483098	0.00014127	0.00014127	grey
0.04869624	0.02183645	0.08851339	0.0821979	0.7522225	0.5662487	9.83E-16	9.83E-16	yellow
0.01367418	0.07171447	0.569221	0.0723757	0.4138852	0.2945057	0.2962917	0.2962917	turquoise
0.552521	0.00852473	0.00106913	0.5481923	0.8351558	0.6543981	6.00E-15	6.00E-15	brown
0.4368771	0.6999778	0.1934501	0.3469066	0.9760798	0.7553271	0.0044268	0.0044268	blue
0.1507077	0.1055542	0.1920298	0.4815654	0.6392676	0.1032754	1.69E-08	1.69E-08	blue
0.4964263	0.2326079	0.9152691	0.6790373	0.9344819	0.7139466	0.00859669	0.00859669	darkgreen
0.4309884	0.03514005	0.03732695	0.1291654	0.1932796	0.1826815	1.13E-11	1.13E-11	yellow
0.5821643	0.571665	0.3048115	0.537748	0.6704968	0.5889594	0.00062849	0.00062849	grey
0.9166121	0.5114227	0.04964625	0.76388	0.7221577	0.4677332	0.7509998	0.7509998	turquoise
0.8464898	0.6190723	0.9061249	0.0430082	0.3462705	0.9418614	0.02128224	0.02128224	green
0.06194391	0.9409554	0.01412395	0.0556164	0.319988	0.2314475	5.67E-06	5.67E-06	yellow
0.8352867	0.06427959	0.00360151	0.6109957	0.7009563	0.1039194	0.00476099	0.00476099	blue
0.2064057	0.00379319	0.00506858	0.0697606	0.1868985	0.1112575	0.2050129	0.2050129	turquoise
0.1940182	0.624133	0.5811105	0.4468161	0.9325482	0.1935662	0.00263089	0.00263089	blue
0.4024003	0.830485	0.01931655	0.3895004	0.5206486	0.716969	0.1927906	0.1927906	turquoise
0.7805512	0.4293914	0.1815156	0.8880555	0.6993651	0.5547929	0.3676389	0.3676389	grey

0.4100298	0.2376883	0.09728388	0.4537374	0.6778979	0.636285	2.03E-16	2.03E-16	brown
0.3218098	0.583689	0.5940581	0.1080483	0.7711952	0.438953	0.1011692	0.1011692	grey
0.6928508	0.8056698	0.9155042	0.2417796	0.7448145	0.8240377	0.9700269	0.9700269	grey
0.6738155	0.04997794	0.08035952	0.5589561	0.8544493	0.662163	0.01485374	0.01485374	grey
0.4151896	0.176965	0.6918249	0.2647302	0.49781	0.879385	0.4709653	0.4709653	salmon
0.2736114	0.2448617	0.7123908	0.3184186	0.7825166	0.6001944	0.00165452	0.00165452	turquoise
0.3058711	0.1269009	0.6255142	0.8164383	0.6325256	0.5257006	0.00265298	0.00265298	grey
0.6313274	0.1526544	0.17623	0.306727	0.8939276	0.4696594	1.12E-13	1.12E-13	blue
0.1549439	0.6164303	0.1464599	0.0621019	0.08776611	0.04776604	0.4389144	0.4389144	turquoise
0.09148543	0.2598051	0.9362555	0.2786647	0.4711089	0.7518719	0.8041083	0.8041083	grey
0.6458394	0.884647	0.00011402	0.9910544	0.7906331	0.02996044	0.17484	0.17484	blue
0.6305332	0.7062031	0.06391104	0.5058687	0.9698726	0.1805935	0.04030749	0.04030749	turquoise
0.9649096	0.3175649	0.9885646	0.5673893	0.547276	0.8831993	0.8217152	0.8217152	grey
0.1905477	0.5332204	0.2290383	0.7846839	0.6657378	0.8811297	0.5548073	0.5548073	grey
0.7098267	0.1703349	0.00095677	0.6702729	0.1307172	0.03909619	0.01896252	0.01896252	blue
0.09474175	0.0611578	0.08972354	0.7780466	0.7271746	0.1000854	8.15E-10	8.15E-10	blue
0.2836444	0.4297231	0.1846411	0.4882916	0.0460655	0.07020882	0.9132095	0.9132095	turquoise
0.9384333	0.4541791	0.1818852	0.0681752	0.9408459	0.162901	0.09971515	0.09971515	turquoise
0.9402479	0.2759933	0.0201791	0.9902994	0.9654122	0.2674471	0.00975617	0.00975617	turquoise
0.7392097	0.7871576	0.6458254	0.8455416	0.4581732	0.6835056	0.2721462	0.2721462	grey
0.4629323	0.3855433	0.5751161	0.3690977	0.1439708	0.978316	0.7793015	0.7793015	blue
0.5884042	0.8335847	0.3763591	0.4802995	0.9553003	0.4272781	0.9383847	0.9383847	grey
0.8037603	0.1509336	0.01873555	0.5398724	0.1746739	0.09876412	0.8008928	0.8008928	turquoise
0.337876	0.4454226	0.00238311	0.6985401	0.7799502	0.5656526	0.00420187	0.00420187	magenta
0.8854426	0.00230805	0.02051406	0.4173694	0.7258961	0.2290098	1.24E-12	1.24E-12	brown
0.9100939	0.08334727	0.8229538	0.2539077	0.1207355	0.8998895	0.01452691	0.01452691	blue
0.3848134	0.62274	0.7697899	0.9909306	0.6943462	0.9680017	0.3432646	0.3432646	grey
0.4572412	0.02549658	0.5640514	0.4566791	0.9442355	0.4273156	0.00074225	0.00074225	grey
0.6836023	0.9900159	0.1059024	0.2495104	0.5193461	0.5005316	0.03374169	0.03374169	grey
0.485878	0.9741389	0.00990871	0.4219898	0.5435838	0.3333774	0.01286457	0.01286457	turquoise
0.2948825	0.02452401	0.6727449	0.3909394	0.487942	0.4091087	3.38E-09	3.38E-09	grey
0.04792983	0.5673359	0.5789491	0.2873665	0.3843066	0.6657634	0.00372486	0.00372486	blue
0.6447162	0.7074377	0.00022668	0.8262326	0.4813347	0.1219196	0.00678436	0.00678436	tan
0.458127	0.1217274	0.05104686	0.0349516	0.2539494	0.01809315	1.68E-06	1.68E-06	turquoise
0.5267244	0.5681365	0.00128141	0.4114653	0.7041328	0.4215	0.644339	0.644339	turquoise
0.6530796	0.07395083	0.1095373	0.1160151	0.6978389	0.1629411	0.00284022	0.00284022	blue
0.2669324	0.1604087	0.07007417	0.6977412	0.9504507	0.7464328	1.77E-07	1.77E-07	brown
0.1089319	0.5549797	0.3469325	0.8041789	0.7808432	0.3248067	0.1656899	0.1656899	darkturquoise
0.9428088	0.6799355	0.00453961	0.5414943	0.5837642	0.2103786	7.98E-05	7.98E-05	magenta
0.3441392	0.9492815	0.827087	0.6222983	0.8946681	0.6101435	0.00036994	0.00036994	cyan
0.9515231	0.856809	0.9901168	0.0049032	0.6870543	0.1856384	0.8799845	0.8799845	grey
0.1669601	0.1232829	0.5015605	0.8462563	0.2393256	0.3822096	0.7462897	0.7462897	grey
0.619629	0.00175771	0.07656834	0.6915957	0.7018722	0.4469478	2.43E-07	2.43E-07	turquoise
0.3669188	0.5534538	0.4213608	0.5339863	0.2368166	0.5332598	0.621496	0.621496	blue
0.00740472	0.2156075	0.9822944	0.9640325	0.7641924	0.9881643	1.33E-06	1.33E-06	blue
0.589325	0.4401125	0.2059205	0.3593802	0.1558381	0.3880314	0.3266098	0.3266098	turquoise
0.5350205	0.1097223	0.1132147	0.6195055	0.9452959	0.5382782	0.4595512	0.4595512	darkred
0.3913558	0.214246	0.06764766	0.2204045	0.4823716	0.5399161	7.15E-09	7.15E-09	brown
0.6242487	0.6782463	0.3552765	0.9098147	0.05148697	0.1513852	8.44E-10	8.44E-10	grey
0.7282074	0.7237865	0.1369847	0.4566646	0.6170305	0.5765986	0.02529693	0.02529693	blue
0.3553989	0.5746767	0.5941354	0.66578	0.2665842	0.9562943	0.09482831	0.09482831	black
0.687617	0.4346982	0.7017452	0.5347377	0.9128647	0.3551727	0.01518945	0.01518945	turquoise
0.08624707	0.7376136	0.01026224	0.0805776	0.3536053	0.2652225	0.1441928	0.1441928	grey
0.3776848	0.1018881	0.00694037	0.9814521	0.2880522	0.2153592	0.00112453	0.00112453	blue
0.8931869	0.08755507	0.00557851	0.9859145	0.5548537	0.3941719	0.00307004	0.00307004	turquoise
0.8292552	0.0017452	0.00236364	0.2833926	0.2149256	0.9018212	5.31E-08	5.31E-08	green
0.03830673	0.4535567	0.01302237	0.078769	0.88082	0.07245612	1.25E-06	1.25E-06	blue
0.2950143	0.04166233	0.3339538	0.705111	0.1155046	0.2684183	6.71E-07	6.71E-07	turquoise
0.918932	0.01518782	0.07246818	0.0438618	0.1687303	0.02216275	9.29E-08	9.29E-08	blue
0.536413	0.00336566	0.03024502	0.1179683	0.0840011	0.1024897	0.00087379	0.00087379	blue
0.5742209	0.00276153	0.00917523	0.5243998	0.6427039	0.8057791	6.58E-09	6.58E-09	brown

0.9098794	0.6427359	0.02770595	0.6520844	0.5252037	0.1888083	0.9641657	0.9641657	turquoise
0.8099394	0.2368298	0.2371609	0.4213026	0.7493013	0.2339662	0.00263878	0.00263878	turquoise
0.5204459	0.6252196	0.4893504	0.3566381	0.725251	0.8122568	0.6092369	0.6092369	black
0.4056092	0.06396456	0.02455823	0.9345093	0.4733731	0.2605125	2.97E-18	2.97E-18	yellow
0.8934917	0.05156849	0.7129679	0.0559437	0.8501631	0.6788615	0.03399916	0.03399916	blue
0.683434	0.04300789	0.02666898	0.3748798	0.1296218	0.00995364	1.68E-05	1.68E-05	blue
0.1433765	0.4400754	0.00813357	0.2476992	0.7569851	0.2126676	0.2268374	0.2268374	turquoise
0.02794317	0.6486574	0.6517621	0.1164174	0.9999341	0.1972516	0.2250123	0.2250123	grey
0.2230002	0.5123845	0.2150662	0.4455192	0.8393357	0.9719526	0.3464748	0.3464748	grey
0.2587218	0.654062	0.9797514	0.6063163	0.1161161	0.7922181	0.5381767	0.5381767	turquoise
0.1290134	0.4192335	0.6205158	0.0784801	0.5434031	0.9154032	9.12E-07	9.12E-07	blue
0.1974506	0.05200225	0.4820244	0.293798	0.8958915	0.9015244	3.92E-08	3.92E-08	grey
0.03068924	0.07647651	0.715311	0.459296	0.4734916	0.1174998	0.05703614	0.05703614	grey
0.8406605	0.2179111	0.4589241	0.3669215	0.5166137	0.4989715	0.045122	0.045122	orange
0.8438216	0.04888137	0.01408297	0.6685935	0.9517032	0.346369	5.19E-44	5.19E-44	yellow
0.5808375	0.2443312	0.1050486	0.681451	0.9208466	0.09860909	0.1274026	0.1274026	grey
0.8690463	7.41E-05	0.1421907	0.06665	0.03483911	0.2225455	0.01956673	0.01956673	grey
0.9786352	0.03720946	0.878022	0.5889005	0.414169	0.2768245	0.00020841	0.00020841	grey
0.02385865	0.01544704	0.1035008	0.6624857	0.5496314	0.9374507	0.2007558	0.2007558	pink
0.7359566	0.1524641	0.8289702	0.6104276	0.894887	0.8881122	0.02281078	0.02281078	grey
0.5467457	0.7426032	0.3254182	0.765976	0.8492783	0.9318321	0.00026012	0.00026012	grey
0.2080465	0.09227341	0.02707597	0.4723801	0.765438	0.06798775	9.23E-06	9.23E-06	blue
0.5647963	0.1217761	0.2938918	0.6976521	0.4858028	0.182635	9.24E-06	9.24E-06	turquoise
0.0250276	0.331705	0.101676	0.5860907	0.2238961	0.3030119	0.9872323	0.9872323	turquoise
0.2543304	0.03493514	0.7176073	0.5020426	0.3382908	0.7599823	0.02791284	0.02791284	grey
0.02841402	0.05235048	0.3455157	0.3826792	0.7514539	0.1651414	2.77E-06	2.77E-06	blue
0.7668565	0.3568573	0.2596673	0.0200089	0.7536879	0.1437859	0.8122862	0.8122862	grey
0.9756592	0.1604828	0.07196514	0.0926691	0.9615101	0.6939436	0.00067984	0.00067984	blue
0.4553954	0.3980688	0.03988384	0.4426845	0.897169	0.2272201	0.2153457	0.2153457	pink
0.6283803	0.8752731	0.1556003	0.4923654	0.5791642	0.1557958	0.08614735	0.08614735	grey
0.1337062	0.03747004	0.08173798	0.011784	0.5256264	0.0960974	0.00664932	0.00664932	grey
0.3107675	0.3767809	0.4969665	0.8985344	0.8223859	0.9952411	0.5920411	0.5920411	turquoise
0.5322633	0.6944529	0.4866195	0.6900195	0.6848038	0.1398493	0.06797726	0.06797726	turquoise
0.03785363	0.1798773	0.24307	0.9325974	0.5855372	0.9419615	0.00037955	0.00037955	turquoise
0.07105661	0.7995672	0.3897478	0.861002	0.5408857	0.2812205	0.00133069	0.00133069	lightgreen
0.9722185	0.429574	0.07933361	0.598077	0.6937829	0.8230357	0.5085706	0.5085706	grey
0.6207768	0.5209442	0.09113279	0.1140645	0.3256452	0.08992963	0.2975201	0.2975201	turquoise
0.8040305	0.6749837	0.06739933	0.1049836	0.8425736	0.0101698	5.19E-05	5.19E-05	turquoise
0.1097277	0.1586628	0.2516741	0.8617692	0.6362228	0.7080381	1.66E-07	1.66E-07	blue
0.2318523	0.1010135	0.00997073	0.1647052	0.03417547	0.1881954	0.1962727	0.1962727	grey
0.04343033	0.3845495	0.09497871	0.3069099	0.3819863	0.05968376	0.8865568	0.8865568	grey
0.1380275	0.6717542	0.01838501	0.1885971	0.4968083	0.00597164	1.34E-05	1.34E-05	grey
0.7472081	0.00962805	0.00030559	0.8597264	0.9736985	0.96338	1.70E-30	1.70E-30	brown
0.6274186	0.07855442	0.8429774	0.286214	0.9684661	0.5932683	0.00016863	0.00016863	blue
0.03336621	0.3901594	0.7522495	0.278957	0.4441259	0.7168446	0.1492805	0.1492805	red
0.209997	0.7557291	0.9753227	0.2785207	0.4429251	0.6384447	0.22091	0.22091	grey
0.2721509	0.3509212	0.4743871	0.5482926	0.2846381	0.7486566	0.06960887	0.06960887	grey
0.1153737	0.5476304	0.1066181	0.3096112	0.8853472	0.04282732	0.01512369	0.01512369	red
0.9502568	0.137199	0.1044951	0.4537458	0.7330218	0.3766126	0.00474496	0.00474496	blue
0.2109873	0.9167569	0.0513668	0.772319	0.02145443	0.4622414	0.00168517	0.00168517	grey
0.2392208	0.5872182	0.3238374	0.9260267	0.8978336	0.7760956	2.49E-05	2.49E-05	grey
0.872503	0.07471994	0.7814626	0.3351473	0.6078775	0.8379749	0.00034088	0.00034088	blue
0.7277594	0.00023652	0.06511325	0.8012909	0.8585713	0.06310471	0.00046293	0.00046293	brown
0.8510091	0.05767802	0.5613948	0.5651306	0.8258895	0.1957379	5.05E-05	5.05E-05	turquoise
0.1792535	0.1244292	0.1880514	0.6121935	0.4807201	0.06593823	0.3016913	0.3016913	turquoise
0.1212787	0.3623558	0.1579151	0.1369264	0.3867295	0.0582172	0.5564503	0.5564503	turquoise
0.5987971	0.553935	0.02526033	0.0838632	0.2188436	0.02667471	0.9184558	0.9184558	turquoise
0.4477843	0.9608684	0.00092358	0.3422257	0.5197736	0.05063407	0.1897105	0.1897105	turquoise
0.7150744	0.7427801	0.08896015	0.6560795	0.4757874	0.4587807	0.4694883	0.4694883	blue
0.3461082	0.9385451	0.6914187	0.6756318	0.225751	0.851006	0.2006025	0.2006025	grey
0.2949034	0.7297456	0.6025177	0.2646388	0.8788773	0.5965623	0.9658502	0.9658502	turquoise

0.372026	0.7198639	0.5946792	0.8057801	0.5173298	0.6380434	0.3841223	0.3841223	darkgrey
0.7976526	0.2879336	0.476431	0.1823659	0.994547	0.771967	3.60E-12	3.60E-12	lightyellow
0.4060411	0.8417213	0.1967171	0.4252575	0.8179892	0.3934522	0.1220331	0.1220331	grey
0.777159	0.0230835	0.05741964	0.8448826	0.9137039	0.6609988	1.28E-48	1.28E-48	yellow
0.7460058	0.72532	0.7221363	0.1080032	0.6383879	0.4738126	0.01928507	0.01928507	grey
0.1688178	0.9109688	0.1459	0.7967908	0.5633443	0.5776301	0.9809591	0.9809591	midnightblue
0.743662	0.070165	0.7048979	0.4401461	0.1061078	0.6463539	0.3226679	0.3226679	grey
0.9667755	0.5926705	0.4073906	0.0844645	0.869318	0.4148612	0.820328	0.820328	purple
0.2755316	0.1585075	0.8673409	0.9988291	0.8857115	0.7590857	0.7161197	0.7161197	cyan
0.3952905	0.2874557	0.0936883	0.6003203	0.4464106	0.488494	0.4202853	0.4202853	blue
0.8759094	0.45125	0.765949	0.7472439	0.8582807	0.4234012	0.00234325	0.00234325	blue
0.6982338	0.4035398	0.2936715	0.550375	0.4947448	0.6195267	0.00787219	0.00787219	blue
0.3724883	0.811279	0.09335624	0.0922059	0.7213344	0.02171007	0.880094	0.880094	turquoise
0.9889399	0.1183205	0.00733086	0.2414976	0.7144171	0.06890605	0.00341647	0.00341647	grey
0.5122998	0.2769602	0.1120081	0.0454863	0.8454046	0.00394921	2.46E-05	2.46E-05	turquoise
0.936713	0.524173	0.00724405	0.2473501	0.6350784	0.1814687	0.5486773	0.5486773	green
0.8197007	0.8670583	0.6660564	0.5635226	0.5166465	0.9520307	5.56E-24	5.56E-24	yellow
0.7125171	0.3852415	0.1069608	0.6360292	0.7701609	0.8980715	0.05230282	0.05230282	grey
0.8573767	0.00562208	0.108876	0.7099607	0.77762	0.7854408	6.78E-09	6.78E-09	brown
0.4334766	0.0901874	0.04481176	0.1560062	0.7306822	0.5618819	0.8781847	0.8781847	blue
0.7629446	0.0267243	0.05716543	0.7953346	0.6562675	0.3888873	6.62E-15	6.62E-15	brown
0.3776711	0.04997933	0.7879201	0.7813291	0.6123174	0.8716505	0.538779	0.538779	grey
0.9506887	0.7031822	0.08380376	0.3984587	0.1026882	0.05615562	4.41E-07	4.41E-07	turquoise
0.8745927	0.3078822	0.1003085	0.7197103	0.5259246	0.5250547	0.3532847	0.3532847	turquoise
0.7742078	0.5555469	0.02040344	0.1934816	0.8348861	0.1512171	1.40E-21	1.40E-21	yellow
0.357754	0.504082	0.7211536	0.5390375	0.4191523	0.1470378	6.96E-05	6.96E-05	lightgreen
0.2574705	0.1855261	0.1556188	0.0342964	0.7136015	0.1024278	0.1797611	0.1797611	grey
0.05819364	0.2120065	0.2908478	0.0530714	0.4408344	0.1256245	0.6403714	0.6403714	green
0.8316108	0.9580586	0.9568906	0.4475489	0.5292182	0.3999551	0.8750094	0.8750094	grey
0.1384867	0.8525621	0.3773018	0.238474	0.4644771	0.3452272	9.44E-06	9.44E-06	grey
0.9203132	0.5416069	0.6957373	0.6092595	0.5053535	0.4296568	0.6037382	0.6037382	blue
0.8353138	0.8984369	0.1445374	0.4344073	0.4726664	0.4527786	0.06899341	0.06899341	turquoise
0.9638675	0.1863247	0.02561295	0.3512131	0.03645055	0.1043068	0.8753603	0.8753603	turquoise
0.8541384	0.3548911	0.4164051	0.2702846	0.5556295	0.02984891	0.00582296	0.00582296	turquoise
0.04425308	0.7625764	0.2427743	0.7593477	0.6885993	0.6290606	0.2075644	0.2075644	grey
0.1061961	0.9487799	0.2843387	0.3999798	0.3123772	0.6463357	0.7052362	0.7052362	darkturquoise
0.4510487	0.6172544	0.00765743	0.0967173	0.8578382	0.03126781	0.1257543	0.1257543	turquoise
0.4177275	0.6340296	0.04968392	0.0688168	0.5667214	0.03072766	0.9107998	0.9107998	turquoise
0.04186349	0.335447	0.0098804	0.2046433	0.6981187	0.553886	0.5904746	0.5904746	blue
0.7717044	0.2126991	0.4313911	0.7481651	0.8700548	0.8839012	0.02767858	0.02767858	brown
0.4446185	0.04036942	0.8235365	0.4302828	0.5619762	0.6241536	0.05165019	0.05165019	midnightblue
0.7351302	0.4940467	0.4634826	0.9327402	0.9588661	0.5828901	0.192416	0.192416	darkgrey
0.9487953	0.861632	0.04108326	0.0962719	0.3610991	0.4513332	0.05923297	0.05923297	turquoise
0.1073785	0.4050865	0.3549583	0.869166	0.3217028	0.3586404	0.679598	0.679598	grey
0.251788	0.0458546	0.4816662	0.842323	0.7569471	0.9571148	0.1924399	0.1924399	blue
0.6947897	0.01986301	0.752105	0.0617248	0.3889486	0.9489663	0.4597764	0.4597764	grey
0.3164923	0.6620524	0.2235083	0.5094948	0.9950286	0.7919955	0.00171408	0.00171408	grey
0.408497	0.361058	0.00497499	0.0603387	0.2511343	0.03869735	0.1241988	0.1241988	turquoise
0.5989088	0.8858071	0.1487542	0.9068936	0.6061798	0.1337978	0.00076908	0.00076908	turquoise
0.5917133	0.3543075	0.1740609	0.8543867	0.4778062	0.5701464	0.01950397	0.01950397	grey
0.8965755	0.3459154	0.00030743	0.0177465	0.5303387	0.0261732	0.4135518	0.4135518	turquoise
0.04928933	0.5688912	0.1459905	0.8904656	0.6844168	0.5522427	0.00929465	0.00929465	turquoise
0.5623379	0.4033828	0.1530344	0.3376135	0.5713427	0.04619141	0.00113718	0.00113718	grey
0.7130358	0.4774	0.4470539	0.9337274	0.6944258	0.2814498	9.45E-05	9.45E-05	grey
0.8975697	0.00459233	0.1156338	0.7604782	0.3116427	0.790295	2.16E-28	2.16E-28	brown
0.7017159	0.05206507	0.697988	0.6124067	0.7151144	0.6132071	0.5478307	0.5478307	black
0.4947787	0.1306271	0.03187449	0.2479976	0.5226273	0.7307312	0.01904094	0.01904094	brown
0.4982313	0.1022355	0.00337979	0.2130368	0.4943246	0.07096229	0.8248191	0.8248191	turquoise
0.09166962	0.1238803	0.2610316	0.4750399	0.8391653	0.5884398	0.03265038	0.03265038	grey
0.7619905	0.06849314	0.115147	0.0041212	0.7858081	0.1860555	0.00374302	0.00374302	blue
0.6586176	0.9101482	9.91E-06	0.0483539	0.6189419	0.00601571	0.3222982	0.3222982	turquoise

0.3204398	0.292569	0.00143285	0.3496162	0.05169881	0.09500277	0.7928314	0.7928314	turquoise
0.5040224	0.6241231	0.05748299	0.2259708	0.6259205	0.02518101	4.01E-08	4.01E-08	blue
0.1207199	0.8075196	0.7213839	0.7163532	0.5603336	0.6530627	0.8666309	0.8666309	turquoise
0.3099402	0.01466168	0.2513114	0.9226627	0.7418676	0.5277488	0.00068492	0.00068492	greenyellow
0.8857218	0.08495243	0.1624882	0.2608446	0.9103278	0.306777	0.6363236	0.6363236	turquoise
0.1538526	0.6756778	0.03984472	0.3791437	0.955378	0.5075973	0.00545286	0.00545286	pink
0.1733609	0.9119323	0.1190501	0.2775103	0.5495294	0.5531073	0.04701522	0.04701522	pink
0.09527548	0.7888413	0.2994203	0.3703931	0.6698369	0.03732887	0.3153658	0.3153658	turquoise
0.04697608	0.5402434	0.00579353	0.030387	0.768337	0.06184985	0.5889727	0.5889727	turquoise
0.4270138	0.4476181	0.00018416	0.5180797	0.8876072	0.1031181	0.1029372	0.1029372	turquoise
0.04521398	0.1058629	0.04852473	0.7459802	0.6807004	0.0322	2.98E-07	2.98E-07	blue
0.3449118	0.05488391	0.3722109	0.2768433	0.8347478	0.223684	0.1153222	0.1153222	blue
0.1488463	0.3258262	0.8544346	0.2665369	0.4860611	0.7158169	5.08E-05	5.08E-05	grey
0.2236022	0.4154702	0.00082687	0.1933025	0.1462867	0.4800354	0.0009784	0.0009784	turquoise
0.2632102	0.9828144	0.7105412	0.7032489	0.7687237	0.8865024	0.3603164	0.3603164	grey
0.3219927	0.3964431	5.40E-06	0.0070364	0.504764	0.02521413	0.3396431	0.3396431	turquoise
0.1381761	0.4143215	0.6980549	0.3011113	0.6858827	0.8095359	0.419395	0.419395	grey
0.00373554	0.454801	0.4500193	0.7276625	0.1192711	0.2006751	0.7984983	0.7984983	midnightblue
0.01956369	0.5561425	0.8647009	0.6550982	0.8447668	0.5707966	9.78E-06	9.78E-06	turquoise
0.8826638	0.05724417	0.5805204	0.3694436	0.2696138	0.6505124	0.9456514	0.9456514	magenta
0.05997802	0.6658874	0.8322509	0.1188658	0.8779299	0.9714315	0.02294131	0.02294131	blue
0.07726357	0.1757072	0.1575906	0.133569	0.3796085	0.2018387	0.2157169	0.2157169	blue
0.6751883	0.6987431	0.535222	0.8155911	0.2106055	0.282547	0.04285889	0.04285889	grey
0.7624877	0.04156661	0.266921	0.6700938	0.5217932	0.2527698	0.5072268	0.5072268	salmon
0.4574765	0.04744574	0.07269816	0.1909208	0.7000972	0.00862592	0.5631055	0.5631055	grey60
0.9631253	0.06865007	0.01248046	0.2350218	0.9766657	0.03906087	0.00731187	0.00731187	turquoise
0.258291	0.2333148	0.05189228	0.7615017	0.8875763	0.4629173	5.40E-15	5.40E-15	brown
0.6216414	0.03821903	0.07427703	0.1532003	0.4168335	0.3310321	2.15E-20	2.15E-20	brown
0.6213577	0.06939425	0.3367526	0.4214092	0.803717	0.4867187	0.00014338	0.00014338	grey
0.1699905	0.1283527	0.3153796	0.0864264	0.2662897	0.1461582	0.1203205	0.1203205	grey
0.00278696	0.3533397	0.3672925	0.3410016	0.8014127	0.09280421	0.00727701	0.00727701	blue
0.9828623	0.5416038	0.00044009	0.5790317	0.1209685	0.06438797	0.00031785	0.00031785	green
0.07688237	0.3631967	0.00014871	0.0959398	0.8515335	0.2187683	0.08154218	0.08154218	pink
0.9325993	0.1126389	0.178783	0.3797739	0.5042514	0.09325532	0.01302402	0.01302402	turquoise
0.3796764	0.2202528	0.2380398	0.2547607	0.8596859	0.4096495	0.7235973	0.7235973	midnightblue
0.7050039	0.5183486	0.01963959	0.5493992	0.2110438	0.2069684	0.4944994	0.4944994	turquoise
0.2241815	0.646339	0.02529293	0.8684852	0.5699096	0.8857454	0.00077305	0.00077305	grey
0.3489087	0.2804927	0.06167629	0.1751123	0.6402336	0.2063131	0.2276587	0.2276587	darkorange
0.3645075	0.2599755	0.5011924	0.7335173	0.3966574	0.689862	0.7152655	0.7152655	grey
0.1521347	0.1203974	0.9064504	0.0735248	0.7559943	0.8936642	0.00015041	0.00015041	grey
0.01372576	0.1164526	0.951071	0.7926631	0.9802775	0.2799295	4.30E-05	4.30E-05	blue
0.2271613	0.6009	0.2380979	0.8981888	0.7734545	0.3363837	0.00018136	0.00018136	blue
0.02205698	0.2848722	0.04164743	0.3293561	0.3289581	0.617746	0.1927258	0.1927258	grey
0.9733835	0.00593895	0.02744248	0.204344	0.3590822	0.6015507	2.32E-16	2.32E-16	yellow
0.03845062	0.760103	0.2916964	0.6694002	0.8424193	0.7235567	0.00075326	0.00075326	red
0.8859773	0.3743949	3.41E-05	0.0226137	0.7700872	0.7071843	6.93E-07	6.93E-07	magenta
0.6750355	0.9707525	0.5999384	0.3464621	0.914153	0.2330014	0.00041244	0.00041244	brown
0.6342083	0.7664288	0.549586	0.5416502	0.6381025	0.5963451	0.00236767	0.00236767	turquoise
0.05117588	0.3213955	0.1187878	0.7727436	0.5393524	0.5546059	3.59E-09	3.59E-09	yellow
0.8920428	0.51325	0.00133174	0.016575	0.4594483	0.07319331	0.7140868	0.7140868	blue
0.3217406	0.265215	0.5422721	0.893012	0.4956635	0.3992662	0.966147	0.966147	salmon
0.5054079	0.00021369	0.04832308	0.1449487	0.6490215	0.1860729	2.27E-14	2.27E-14	yellow
0.7979579	0.9394568	0.7993443	0.7866967	0.4838226	0.8199191	0.6110221	0.6110221	darkgreen
0.06579141	0.7015169	0.3408384	0.4163558	0.510628	0.00766354	0.1746318	0.1746318	turquoise
0.05253166	0.3768052	0.09174793	0.2826858	0.6979661	0.4728671	0.00409681	0.00409681	turquoise
0.1519233	0.00245383	0.4623737	0.4640982	0.3339806	0.5959255	0.02026558	0.02026558	grey
0.1037921	0.00024093	0.9615976	0.8596762	0.1204495	0.9399438	0.04415913	0.04415913	turquoise
0.6370389	0.7165551	0.5731709	0.3959161	0.06010019	0.5501379	0.1967102	0.1967102	grey
0.2777085	0.03545973	0.4671395	0.1626512	0.2554654	0.347748	2.23E-05	2.23E-05	brown
0.1114098	0.2233012	0.02457941	0.5197972	0.5297055	0.7062952	0.01480479	0.01480479	grey
0.5244386	0.4798353	0.496877	0.3456899	0.7826903	0.9744363	0.167977	0.167977	black

0.8614246	0.7200085	0.8832109	0.1614845	0.2460827	0.2720678	0.6601465	0.6601465	grey
0.7419159	0.2984211	0.4646532	0.678982	0.3937877	0.286081	0.09185512	0.09185512	grey
0.2402548	0.6442163	0.5921676	0.5010486	0.946016	0.6835528	0.00151791	0.00151791	grey
0.2797923	0.03634992	0.3682673	0.6794533	0.4789607	0.2248985	0.5280151	0.5280151	tan
0.9291208	0.426547	0.7774196	0.4942694	0.5240974	0.3977542	0.3226678	0.3226678	salmon
0.6670735	0.03167451	9.43E-05	0.0282809	0.2392424	0.1855748	4.91E-14	4.91E-14	green
0.7020699	0.1859446	0.07241241	0.1009883	0.1072707	0.05208779	0.09731413	0.09731413	turquoise
0.04215301	0.9799249	0.1459332	0.4393841	0.01093852	0.5208588	0.662555	0.662555	grey
0.09017771	0.4002489	0.700147	0.229913	0.6886532	0.8181611	0.1100012	0.1100012	grey
0.8382244	0.00618019	0.5401846	0.1231159	0.5047821	0.1489945	0.00016257	0.00016257	grey
0.2757234	0.4545948	0.48988	0.8616299	0.6590905	0.4682041	0.00055954	0.00055954	blue
0.8200261	0.01999916	0.5503816	0.9998395	0.504257	0.9669437	0.2292689	0.2292689	turquoise
0.1758276	0.1319904	0.9244513	0.8350849	0.780895	0.735257	1.16E-05	1.16E-05	lightgreen
0.6101022	0.8175898	0.3022759	0.3229542	0.1481019	0.5800816	7.11E-06	7.11E-06	grey
0.3619749	0.49175	0.7817109	0.7540323	0.3714427	0.1356462	0.3229666	0.3229666	turquoise
0.3900411	0.3899033	0.5868847	0.6655075	0.5450611	0.9168063	0.00446837	0.00446837	grey
0.4647379	0.03553079	0.3426696	0.4563753	0.2401208	0.2194463	0.01090247	0.01090247	turquoise
0.9622573	0.7104659	0.09554987	0.4084623	0.8877871	0.1962797	0.1270276	0.1270276	turquoise
0.9757011	0.5481206	0.2528617	0.7513518	0.2115148	0.6426879	0.6187659	0.6187659	turquoise
0.04454709	0.1128584	0.00025178	0.1023639	0.810927	0.04025886	0.8486669	0.8486669	turquoise
0.3965605	0.8567777	0.6097271	0.5919998	0.9998665	0.9551517	0.5405238	0.5405238	grey
0.8733063	0.01175064	0.320155	0.8051066	0.9033876	0.7067332	8.80E-08	8.80E-08	yellow
0.2577617	0.8710525	0.0482497	0.3742204	0.4527238	0.602696	0.05355791	0.05355791	turquoise
0.1735707	0.8323791	0.1821296	0.9506758	0.6665106	0.9963592	0.4594828	0.4594828	purple
0.5254775	0.8408859	0.2166122	0.2826552	0.7152438	0.7267574	0.9865822	0.9865822	grey
0.1360182	0.2626165	0.3222391	0.4332108	0.2237111	0.7495434	0.01067015	0.01067015	grey
0.6068669	0.03716036	0.8113472	0.856069	0.00483848	0.4555932	0.219974	0.219974	blue
0.661083	0.9881478	0.3285637	0.1896058	0.6377871	0.6729373	0.2791392	0.2791392	turquoise
0.3962935	0.4669064	0.04870971	0.7381257	0.9704068	0.5159683	0.00777873	0.00777873	darkorange
0.6044586	0.00320106	0.0561363	0.4052956	0.6776884	0.5160705	6.97E-15	6.97E-15	brown
0.9554976	0.08676678	0.01903319	0.2767724	0.5250494	0.1618081	0.1489436	0.1489436	turquoise
0.600066	0.5007381	0.9081923	0.315459	0.7177879	0.3609537	0.00781496	0.00781496	green
0.90621	0.8220733	0.00290714	0.2502773	0.8131779	0.03589325	0.2248342	0.2248342	turquoise
0.120417	0.2765236	0.5201347	0.5332593	0.8625518	0.5813055	0.03828023	0.03828023	grey
0.4284364	0.4376634	0.02321127	0.826666	0.7848427	0.07577916	0.01380154	0.01380154	blue
0.6951177	0.05874671	0.2993967	0.3218291	0.9262121	0.1218341	1.80E-06	1.80E-06	blue
0.8192242	0.9821327	0.3183805	0.1262724	0.9761069	0.8923521	7.31E-11	7.31E-11	green
0.8175336	0.7725182	0.00369291	0.0307151	0.05205018	0.0282225	0.02923512	0.02923512	green
0.2603032	0.01091634	0.1531057	0.0472491	0.6310149	0.8501766	8.91E-12	8.91E-12	lightyellow
0.1990416	0.00929904	0.1319917	0.7543547	0.5235708	0.1687593	0.0583882	0.0583882	tan
0.5678331	0.05101155	0.9917531	0.7259222	0.7907732	0.3187927	1.14E-06	1.14E-06	turquoise
0.3559118	0.01301336	0.01975351	0.0933337	0.7713526	0.9584862	2.92E-24	2.92E-24	yellow
0.6319627	0.430806	0.7246642	0.4308849	0.6318144	0.4130427	2.77E-08	2.77E-08	yellow
0.01897892	0.1757622	0.06872908	0.8502191	0.6942061	0.5848065	0.6903414	0.6903414	blue
0.9178765	0.2112508	0.6039329	0.7153453	0.9951506	0.9439731	0.00151064	0.00151064	brown
0.8724254	0.02700283	0.118314	0.1245665	0.8710056	0.5648601	3.00E-16	3.00E-16	yellow
0.1603926	0.07728674	0.08556361	0.5268457	0.620257	0.1340581	0.00802523	0.00802523	turquoise
0.7144906	0.3893288	0.1372549	0.2777332	0.3564182	0.03417318	0.01922563	0.01922563	grey
0.2484832	0.2574375	0.8969979	0.3546528	0.612566	0.2707134	0.01681548	0.01681548	darkturquoise
0.1610531	0.2011035	0.947407	0.8762464	0.3491636	0.7129479	0.00935625	0.00935625	grey
0.8201456	0.424525	0.6603387	0.3231	0.3291923	0.7376165	0.00114124	0.00114124	red
0.8826651	0.00449848	0.00222477	0.0031328	0.8474354	0.2863284	1.58E-20	1.58E-20	brown
0.5945468	0.1476177	0.5671046	0.2295182	0.3380591	0.9503266	0.00169263	0.00169263	red
0.8004701	0.07670684	0.1169733	0.9750634	0.9974038	0.09936797	0.09836708	0.09836708	grey
0.5396402	0.4254334	0.4076066	0.3160789	0.8958903	0.541017	0.2838309	0.2838309	grey
0.3702731	0.07826719	0.4270478	0.7191784	0.7813617	0.6170573	0.00173064	0.00173064	blue
0.1516009	0.0204348	0.932036	0.6554485	0.4233641	0.3184527	3.41E-07	3.41E-07	grey
0.4206915	0.6837823	0.1706668	0.3863139	0.2731126	0.7697148	0.5884534	0.5884534	grey
0.9254688	0.2580933	0.4721112	0.4538053	0.4935192	0.9659272	0.373029	0.373029	midnightblue
0.04527014	0.71744	0.2483881	0.6023848	0.5495001	0.2961522	0.9075924	0.9075924	black
0.2823414	0.9027729	0.2364112	0.4758516	0.2878569	0.3337405	0.03075946	0.03075946	grey

0.2321951	0.378626	0.02635089	0.2816299	0.5187136	0.05890467	0.144036	0.144036	turquoise
0.1373794	0.1737634	0.736205	0.3112398	0.7446418	0.7430205	0.2364499	0.2364499	green
0.08384217	0.00162948	0.00252822	0.5174132	0.2121549	0.2641854	0.3631705	0.3631705	turquoise
0.2888394	0.9480477	0.07195793	0.2230629	0.4324743	0.03319855	0.6492583	0.6492583	turquoise
0.7845795	0.3615386	0.5444042	0.9786659	0.2709894	0.4647031	0.2549314	0.2549314	turquoise
0.5641823	0.01889544	0.00073603	0.1221072	0.4792595	0.3498279	1.50E-25	1.50E-25	yellow
0.05819537	0.3179525	0.7084327	0.3683143	0.8898772	0.4096406	8.56E-08	8.56E-08	blue
0.531492	0.6167429	0.1790946	0.9486175	0.6604592	0.864269	0.5734201	0.5734201	grey
0.1435064	0.2463988	0.5060079	0.3337968	0.598502	0.1750122	0.0341855	0.0341855	grey
0.8044163	0.01173376	0.07306142	0.1054215	0.5834163	0.7398275	0.0001905	0.0001905	grey
0.398344	0.04714235	0.5606617	0.0795676	0.9431386	0.9593548	0.6244672	0.6244672	blue
0.648433	0.08792391	0.01056304	0.56174	0.8216911	0.03301817	0.00043908	0.00043908	blue
0.3503597	0.09302117	0.2694734	0.3521008	0.4803562	0.5965138	7.69E-09	7.69E-09	blue
0.1130072	0.09797004	0.8741279	0.7594559	0.7687733	0.5001975	0.01332353	0.01332353	grey
0.154367	0.6497539	0.8098035	0.3676509	0.9995891	0.816808	0.5744027	0.5744027	royalblue
0.5661579	0.5428887	0.00367485	0.2779933	0.5881842	0.2495043	0.129091	0.129091	pink
0.9222801	0.0587545	0.9794459	0.3255687	0.4678632	0.9811945	0.9255641	0.9255641	cyan
0.4318311	0.04698803	0.01559712	0.0226987	0.3181759	0.1398871	1.20E-07	1.20E-07	green
0.5026057	0.2755408	0.2078172	0.031803	0.9948621	0.4061824	0.3505102	0.3505102	lightgreen
0.625441	0.1977387	0.2018372	0.7286924	0.4959593	0.3754194	0.01530955	0.01530955	grey
0.2633348	0.0028455	0.08322424	0.7997558	0.9615969	0.1790378	4.27E-05	4.27E-05	blue
0.7666044	0.4752499	0.1328237	0.2196661	0.9362043	0.492682	0.09233212	0.09233212	turquoise
0.2493701	0.07282008	0.9894806	0.3275642	0.7348298	0.9424085	0.00125359	0.00125359	grey
0.4877222	0.8056896	0.5438513	0.8302855	0.6768517	0.7329555	0.1826582	0.1826582	blue
0.02332542	0.1945975	0.8697907	0.9861071	0.4098809	0.8963833	0.3814201	0.3814201	grey
0.2627443	0.01315229	0.4594567	0.0102241	0.9101569	0.2411785	0.7426434	0.7426434	grey
0.1049876	0.09522527	0.7313077	0.7498782	0.05131393	0.1532962	0.4399387	0.4399387	grey
0.1977398	0.00681469	0.44339	0.7435891	0.1928931	0.4606858	3.96E-11	3.96E-11	turquoise
0.1207393	0.9252754	0.979015	0.9648642	0.5316703	0.6756995	0.7864209	0.7864209	grey
0.06957438	0.1583162	0.01399747	0.0875905	0.8130243	0.3779355	0.00476266	0.00476266	pink
0.9050302	0.6587417	0.2909783	0.4708194	0.9170168	0.5176692	5.75E-08	5.75E-08	brown
0.1426221	0.1869981	0.2518232	0.013961	0.1669962	0.07130812	0.2757972	0.2757972	turquoise
0.8334916	0.8418539	0.5752782	0.7809679	0.7367339	0.7486328	0.2309231	0.2309231	grey
0.9790037	0.00199235	0.1295034	0.3566003	0.2647878	0.3206507	1.10E-17	1.10E-17	brown
0.04170183	0.1500986	0.01884137	0.0206132	0.8727842	0.09344604	0.00346517	0.00346517	turquoise
0.5371753	0.2745453	0.188102	0.1849187	0.8898062	0.01767558	8.96E-05	8.96E-05	turquoise
0.01086603	0.6573328	0.9210052	0.2865615	0.8382673	0.5391239	0.03887816	0.03887816	grey
0.3968864	0.02259376	0.0594333	0.8949953	8.99E-05	0.3562213	0.2992256	0.2992256	grey
0.230304	0.1288844	0.1578095	0.8705357	0.1007384	0.6484574	0.04209879	0.04209879	salmon
0.6107539	0.00122084	0.0210265	0.1607372	0.7651937	0.4798312	4.49E-14	4.49E-14	yellow
0.7083319	0.1024376	0.5331751	0.493957	0.8958459	0.1753828	0.00132534	0.00132534	darkgreen
0.9890767	0.1884707	0.7230066	0.4838482	0.8958753	0.2884795	0.8266156	0.8266156	grey
0.801235	0.3159917	0.1756713	0.1395575	0.05961601	0.00982902	0.7493431	0.7493431	turquoise
0.4996885	0.2634009	0.3246323	0.1510136	0.7135651	0.9400634	0.00024301	0.00024301	turquoise
0.5807945	0.1309138	0.00599316	0.8458005	0.849119	0.1097698	1.41E-07	1.41E-07	turquoise
0.5450655	0.4132326	0.2599625	0.7521683	0.9423187	0.6420191	0.00415067	0.00415067	grey
0.06249896	0.7310239	0.1456689	0.9084899	0.5094422	0.3690357	0.3952636	0.3952636	turquoise
0.2519322	0.8490181	0.00122583	0.0097914	0.9166208	0.1623421	0.1721247	0.1721247	turquoise
0.05958119	0.2366413	0.9247551	0.5901543	0.7794962	0.9663615	0.9421523	0.9421523	grey
0.2498503	0.1208249	0.176268	0.8794206	0.7268964	0.1869816	0.00142851	0.00142851	turquoise
0.1318431	0.4364758	0.7812112	0.1908136	0.4450086	0.1966019	0.8179187	0.8179187	grey
0.4401252	0.1087561	0.00398637	0.0818051	0.2407433	0.4050755	2.29E-08	2.29E-08	brown
0.2669044	0.7143288	0.1822281	0.5817741	0.8510393	0.2005667	0.7405834	0.7405834	turquoise
0.7049565	0.1320877	0.01556674	0.0355182	0.1307466	0.746165	5.35E-12	5.35E-12	brown
0.160563	0.04754644	0.5475699	0.4985583	0.8747657	0.9829618	0.00480894	0.00480894	blue
0.7095427	0.00113845	0.9868654	0.1317075	0.9930715	0.9882952	2.11E-07	2.11E-07	blue
0.8612972	0.2901672	0.7132405	0.5393327	0.8779455	0.1779208	0.00033659	0.00033659	grey
0.7426252	0.4790127	0.3921983	0.4680906	0.8007496	0.5768784	0.01964653	0.01964653	grey
0.2296454	0.1915142	0.7729989	0.11407	0.3349592	0.9743026	0.06399576	0.06399576	grey
0.3295544	0.07260866	0.00877354	0.5960331	0.253152	0.9872892	7.84E-07	7.84E-07	brown
0.5230951	0.3150127	0.7939688	0.2247086	0.4260061	0.9356176	0.00779648	0.00779648	blue

0.1242982	0.1091525	0.2989576	0.1975946	0.1695424	0.1147327	0.00045456	0.00045456	lightgreen
0.4562782	0.3554643	2.97E-05	0.0831874	0.6474637	0.3761576	0.01804539	0.01804539	turquoise
0.9340315	0.07063655	0.1095663	0.5060994	0.8226167	0.1426247	0.0010096	0.0010096	turquoise
0.8101371	0.727076	0.0045913	0.3633043	0.8127928	0.1005948	0.263448	0.263448	turquoise
0.4254328	0.5575579	0.378888	0.0527296	0.460931	0.7931273	0.241901	0.241901	turquoise
0.1826107	0.1979626	0.08021437	0.9645563	0.3947275	0.9640177	0.00952504	0.00952504	darkorange
0.2925108	0.0014927	0.5902714	0.5237653	0.3479389	0.5536016	8.96E-15	8.96E-15	yellow
0.1678185	0.00464721	0.8015758	0.8743495	0.7932129	0.3385944	0.00018247	0.00018247	grey
0.02397537	0.04725544	0.07496375	0.4508652	0.8957822	0.4506722	3.23E-06	3.23E-06	blue
0.00130824	0.4344073	0.2244377	0.0670119	0.8884083	0.8327735	0.04445595	0.04445595	blue
0.3593708	0.9810578	0.1162085	0.7496826	0.782602	0.5331214	0.3634642	0.3634642	turquoise
0.648317	0.04295304	0.3277209	0.6461894	0.6175937	0.2700977	2.93E-05	2.93E-05	turquoise
0.52852	0.00498345	0.5299268	0.1609715	0.6152466	0.8714924	1.24E-11	1.24E-11	grey
0.02432068	0.2911745	0.8386397	0.1722224	0.5630214	0.9010655	0.1754574	0.1754574	grey
0.9666867	0.9329839	0.04155946	0.2055524	0.9103392	0.9820677	0.1029344	0.1029344	grey
0.8688798	0.02769898	0.00027321	0.0002413	0.00233712	0.00957902	2.08E-11	2.08E-11	brown
0.2175583	0.2679044	0.6452186	0.4781385	0.6880813	0.2912575	0.5563755	0.5563755	grey
0.2702747	0.08985202	0.8837834	0.1260953	0.7541022	0.1033674	3.06E-06	3.06E-06	blue
0.5487525	0.1009633	0.03678295	0.4323233	0.1970224	0.01233423	0.2222129	0.2222129	turquoise
0.6341552	0.3168329	0.9281891	0.5265954	0.5798396	0.777091	0.2498624	0.2498624	grey
0.9196155	0.2872556	0.1820173	0.8178642	0.7727916	0.9440309	0.4242854	0.4242854	pink
0.101838	0.5949365	0.03575645	0.225591	0.4819386	0.1218071	0.9991088	0.9991088	lightyellow
0.6541185	0.787957	0.02804607	0.4579264	0.9436488	0.02578066	0.1079254	0.1079254	turquoise
0.5664861	0.9518705	0.7405647	0.6893453	0.2065671	0.6955304	0.03167333	0.03167333	turquoise
0.4391808	0.7395333	0.2401104	0.0622019	0.9833426	0.01684417	0.02626618	0.02626618	turquoise
0.6491632	0.1890196	0.4052112	0.0840444	0.8105075	0.3199715	2.59E-08	2.59E-08	midnightblue
0.7872235	0.4613134	0.39157	0.1888594	0.9513394	0.6087665	0.1020643	0.1020643	darkgreen
0.2230176	0.06800424	0.4105025	0.3018156	0.4366547	0.01139347	0.196537	0.196537	grey
0.5030786	0.07220568	0.8803768	0.7747999	0.2863673	0.1501541	0.1317865	0.1317865	grey
0.8782082	0.2561882	0.1737342	0.2060885	0.5581121	0.3191125	0.00050268	0.00050268	midnightblue
0.1925262	0.4328095	0.07019433	0.4265394	0.4374904	0.7363495	0.4242249	0.4242249	grey
0.160099	0.8254684	0.1561248	0.3060095	0.7010879	0.8621445	0.07292347	0.07292347	grey
0.1117731	0.2413056	0.9419675	0.9913913	0.7089985	0.401101	5.48E-10	5.48E-10	brown
0.5089032	0.6036227	0.00044295	0.6382178	0.965792	0.491602	0.1399359	0.1399359	turquoise
0.2323685	0.5047046	0.5118249	0.415606	0.7821494	0.04024479	0.5082299	0.5082299	turquoise
0.228789	0.1844537	0.00026874	0.103292	0.2231088	0.00598864	0.01400069	0.01400069	turquoise
0.1813545	0.9521512	0.00265872	0.3986748	0.4150733	0.5183849	2.70E-09	2.70E-09	magenta
0.1864635	0.7394169	1.81E-06	0.0016289	0.1955446	0.0021955	0.08551491	0.08551491	turquoise
0.8184529	0.5554586	0.05026584	0.4699546	0.4764293	0.2020202	0.5640112	0.5640112	turquoise
0.4077671	0.6857306	0.07180054	0.1087527	0.5076468	0.2121278	0.09961819	0.09961819	grey
0.8536847	0.4135784	0.670539	0.7245715	0.8615503	0.9738556	0.2074245	0.2074245	orange
0.2627222	0.6991276	0.2264721	0.7686893	0.326551	0.9935445	0.7367399	0.7367399	turquoise
0.211881	0.5076803	0.4443829	0.7804186	0.05741412	0.1560756	0.04634819	0.04634819	turquoise
0.08541681	0.2280747	0.1820528	0.2014547	0.9029968	0.1113806	0.00100261	0.00100261	grey
0.02098616	0.5157311	0.6047928	0.8992509	0.7603066	0.8040785	0.2096867	0.2096867	grey
0.5240792	0.3543733	0.07187977	0.013724	0.6867948	0.02658279	0.6544202	0.6544202	orange
0.5158994	0.1107125	0.8775042	0.4326116	0.1813765	0.7229935	3.99E-05	3.99E-05	yellow
0.4246624	0.00578871	0.04496021	0.2982884	0.9740842	0.3124145	2.09E-09	2.09E-09	red
0.7253868	0.6351642	0.00923176	0.9522015	0.4633073	0.7368349	0.00013969	0.00013969	turquoise
0.8091957	0.02623481	0.3405943	0.6066143	0.7782295	0.3643239	0.00044863	0.00044863	turquoise
0.5652851	0.7727866	0.7811236	0.9598585	0.6502649	0.973242	0.00202463	0.00202463	blue
0.3192345	0.3751484	0.4411036	0.3824694	0.1157798	0.2217089	0.4787671	0.4787671	turquoise
0.9469484	0.780685	0.1014558	0.1433231	0.7237286	0.08381217	0.03209993	0.03209993	blue
0.06335385	0.3387018	0.0227575	0.1082987	0.2781056	0.07648097	0.01328032	0.01328032	grey
0.3191799	0.6157147	0.00028451	0.0077594	0.6409384	0.1411653	0.00036067	0.00036067	turquoise
0.00896437	0.02336527	0.4926175	0.4482239	0.3992367	0.7673422	4.83E-06	4.83E-06	blue
0.1950913	0.4852881	0.4499958	0.3333123	0.1219383	0.1097986	0.4678751	0.4678751	grey
0.02929478	0.5531502	0.9199357	0.4439007	0.8584856	0.2816926	0.8829141	0.8829141	red
0.076114	0.5453436	0.208001	0.4591327	0.431385	0.7447882	5.85E-05	5.85E-05	lightcyan
0.05389947	0.4965515	0.1286974	0.2620373	0.1792573	0.8572091	0.2811786	0.2811786	blue
0.1956155	0.1568203	0.3562429	0.768717	0.5898118	0.1694355	6.16E-08	6.16E-08	blue

0.4023141	0.2397657	0.1271074	0.003484	0.212722	0.00688991	0.00039814	0.00039814	turquoise
0.6307935	0.02893386	0.2244861	0.1248598	0.7579662	0.5062932	0.3866127	0.3866127	grey
0.7955905	0.3516226	0.81582	0.1872744	0.8166067	0.776041	0.3480134	0.3480134	blue
0.7032707	0.1601756	0.06730889	0.3725644	0.631116	0.2233148	0.00037184	0.00037184	turquoise
0.2997259	0.2293949	0.1240806	0.5468698	0.3871545	0.3260295	1.39E-11	1.39E-11	grey
0.4373023	0.07480506	0.8932564	0.7375847	0.750211	0.31458	0.00022903	0.00022903	grey
0.7339566	0.07006845	0.9768748	0.0686957	0.9840658	0.02943329	0.5054798	0.5054798	grey
0.8222831	0.9346436	0.4991811	0.167887	0.8471715	0.7535594	0.9896238	0.9896238	blue
0.06595635	0.9845785	0.00805954	0.038143	0.6249958	0.024956	0.442117	0.442117	green
0.3642388	0.0913275	0.1514675	0.9458875	0.8856377	0.2482621	0.1755844	0.1755844	turquoise
0.252323	0.3391482	0.2381297	0.0854668	0.6748108	0.1084213	0.8753738	0.8753738	turquoise
0.5308861	0.6736902	0.6528741	0.6547687	0.6488923	0.09679621	0.00584058	0.00584058	turquoise
0.977599	0.03809211	0.00312309	0.192664	0.8558239	0.1966168	2.23E-07	2.23E-07	turquoise
0.1605925	0.2065655	3.30E-05	0.0399803	0.6477472	0.188571	4.25E-17	4.25E-17	yellow
0.3995917	0.4110143	0.1997516	0.3910437	0.8320537	0.6689075	0.6177541	0.6177541	turquoise
0.9493928	0.6071415	0.1468211	0.9803679	0.8354821	0.118082	0.07904462	0.07904462	black
0.1141216	0.8451743	0.2369107	0.5620504	0.4085884	0.4022861	2.89E-13	2.89E-13	lightgreen
0.3528178	0.1310968	0.01139724	0.6583521	0.266796	0.01386796	0.9921511	0.9921511	grey
0.187969	0.166602	0.9362203	0.2202036	0.8255175	0.420004	0.06608995	0.06608995	magenta
0.6585787	0.30205	0.7419642	0.865508	0.9926891	0.4289093	0.00022087	0.00022087	blue
0.7644768	0.5024538	0.1679258	0.3146158	0.7709861	0.7442303	0.09805085	0.09805085	grey
0.1628861	0.6348096	0.6517796	0.9133265	0.8719067	0.4000777	0.00457453	0.00457453	grey
0.04650173	0.3062299	0.4391751	0.5197533	0.5641846	0.538924	0.9146432	0.9146432	grey
0.3105242	0.9385153	0.00385413	0.0942735	0.9307201	0.1898657	0.02472188	0.02472188	turquoise
0.8276969	0.04525526	0.0116226	0.453092	0.5667677	0.5888115	3.86E-06	3.86E-06	pink
0.01008348	0.3667314	0.1295483	0.847398	0.532511	0.8622709	2.63E-06	2.63E-06	green
0.3705579	0.1175057	0.08190935	0.2091979	0.322424	0.6484687	0.00272243	0.00272243	grey
0.8632568	0.02945024	0.1836419	0.4566847	0.6217985	0.3529662	6.55E-11	6.55E-11	brown
0.4822986	0.6782282	0.6640055	0.0401499	0.8952282	0.08333038	0.00106718	0.00106718	grey
0.08684821	0.3563039	0.00705918	0.2154206	0.1067815	0.07766023	0.6401485	0.6401485	grey
0.2125324	0.04705344	0.1376004	0.2376741	0.9479473	0.3669007	0.3413518	0.3413518	darkred
0.3406329	0.1741056	0.3527735	0.1591538	0.7827978	0.5106149	0.1456274	0.1456274	grey
0.6529525	0.5736692	0.830309	0.6645498	0.8701892	0.8305921	0.00503657	0.00503657	grey
0.3755193	0.21886	0.04365559	0.2929519	0.5806294	0.6518938	4.73E-06	4.73E-06	magenta
0.2252424	0.00131385	0.4112692	0.8272635	0.9980663	0.3215415	0.0001845	0.0001845	turquoise
0.01742933	0.0790755	0.1208699	0.0128802	0.844816	0.4488722	0.05121124	0.05121124	grey
0.5829773	0.02428881	0.1724563	0.4058515	0.03155715	0.1514097	0.03042579	0.03042579	brown
0.309876	0.0839312	0.8418882	0.6977905	0.9683415	0.8367004	0.00377674	0.00377674	grey
0.1780415	0.04080938	0.1987494	0.2719882	0.7442814	0.5003422	0.3933117	0.3933117	darkred
0.557627	0.3885386	0.0701452	0.7195243	0.4518043	0.2825232	0.00148196	0.00148196	blue
0.9993951	0.1279373	0.9430286	0.8720075	0.7605905	0.8135524	0.00526363	0.00526363	blue
0.04925787	0.2914291	0.8877447	0.1626585	0.9276364	0.9176288	0.01712886	0.01712886	royalblue
0.8253859	0.1059704	0.08619624	0.0011799	0.7274363	0.0144546	0.2103385	0.2103385	grey
0.6884692	0.6271074	0.5655165	0.3351764	0.3911591	0.7098552	2.07E-06	2.07E-06	blue
0.1452367	0.08466107	0.538555	0.6775426	0.3168767	0.1442676	0.0035385	0.0035385	blue
0.100764	0.8207563	0.3727353	0.8733741	0.3004923	0.5146507	0.2826478	0.2826478	lightcyan
0.3516946	0.1610702	0.2050834	0.0973511	0.6421855	0.9058762	3.16E-06	3.16E-06	brown
0.629592	0.04281474	0.0009806	0.0625231	0.7958839	0.1527389	0.00089723	0.00089723	turquoise
0.2909616	0.4762807	0.05704634	0.0480247	0.2508423	0.0738693	0.00984686	0.00984686	turquoise
0.1267722	0.4959261	0.1157958	0.4645	0.9199035	0.2152674	0.04157638	0.04157638	red
0.3384268	0.5010586	0.9558594	0.6319532	0.7268138	0.7358092	0.00023283	0.00023283	brown
0.6657289	0.211861	0.00321421	0.7644749	0.7217915	0.818057	4.11E-24	4.11E-24	yellow
0.7447167	0.01162794	0.06459676	0.2777546	0.7864409	0.0525706	0.03322651	0.03322651	turquoise
0.2912102	0.6649261	0.1723014	0.0687549	0.9463111	0.05215577	0.00035807	0.00035807	turquoise
0.2202353	0.7639561	0.3542801	0.6497574	0.9214035	0.8481444	0.7365101	0.7365101	turquoise
0.3247585	0.9301404	0.05680335	0.4528085	0.9688645	0.371845	0.4906247	0.4906247	turquoise
0.1416352	0.01342009	0.5478025	0.1111605	0.407468	0.6850157	0.00656944	0.00656944	grey
0.4918072	0.02621538	0.6135562	0.7227069	0.7527401	0.63449	0.00879754	0.00879754	blue
0.3095541	0.7838366	0.04511666	0.1645333	0.8794507	0.09361872	0.6870078	0.6870078	turquoise
0.8750595	0.9464528	0.987058	0.4966768	0.4697697	0.7629834	0.04668711	0.04668711	blue
0.7962178	0.8234508	0.00023081	0.305976	0.02707354	0.0609001	0.3555123	0.3555123	turquoise

0.2157469	0.3058159	0.4280882	0.2601441	0.6544896	0.81254	0.00053943	0.00053943	blue
0.03931349	0.8136544	0.8973724	0.9314648	0.6059159	0.6014328	0.499908	0.499908	grey
0.9990879	0.5295384	0.3449522	0.1059592	0.2837667	0.3009922	0.3148103	0.3148103	turquoise
0.3192236	0.00780971	0.4430891	0.0373457	0.5513123	0.5977003	0.00071621	0.00071621	blue
0.4448954	0.2474736	0.457695	0.7000436	0.184276	0.2115818	0.01094977	0.01094977	turquoise
0.1641698	0.1753696	0.7487559	0.7819743	0.6662135	0.752092	0.1756698	0.1756698	grey
0.9047175	0.5624185	0.06791556	0.0004983	0.5622221	0.03553183	0.01081006	0.01081006	green
0.3071275	0.1226843	0.06877383	0.005793	0.9496781	0.1366159	0.1525879	0.1525879	grey
0.3717367	0.1230352	0.4879556	0.3745393	0.926952	0.9007455	8.21E-11	8.21E-11	grey
0.6649105	0.3339261	0.6149769	0.5242974	0.7410351	0.9619895	0.00181015	0.00181015	turquoise
0.05051672	0.7442675	0.7631797	0.8011146	0.9117151	0.1640653	0.285229	0.285229	grey
0.5493651	0.5952607	0.00414912	0.3112504	0.7968774	0.07721679	0.00058069	0.00058069	turquoise
0.1501966	0.3137962	0.5033049	0.0424047	0.6764342	0.2030262	0.1329904	0.1329904	black
0.8078963	0.09656657	0.9364347	0.3807463	0.1034113	0.7784308	1.97E-05	1.97E-05	blue
0.03097875	0.3209209	0.4374931	0.2762084	0.05149306	0.1849157	0.1681402	0.1681402	turquoise
0.8968193	0.00289282	0.2254025	0.0280327	0.6283724	0.02253838	0.00722442	0.00722442	grey
0.7796645	0.03182739	0.1884131	0.6567463	0.2178774	0.2598948	0.04311192	0.04311192	green
0.6859299	0.5708077	0.5802789	0.6017483	0.8279605	0.295646	0.391839	0.391839	grey
0.1829366	0.5623803	0.3140258	0.1090552	0.05001412	0.3161841	0.5548298	0.5548298	turquoise
0.274531	0.8636072	0.5061509	0.8014612	0.3666646	0.3583991	0.6403652	0.6403652	blue
0.2096419	0.2829464	0.7903954	0.9146102	0.4029176	0.1427464	0.2051136	0.2051136	blue
0.1362392	0.3183893	0.9096097	0.7545452	0.9835888	0.664859	0.6499991	0.6499991	red
0.3202976	0.4874165	0.2401067	0.2366385	0.6650282	0.1082003	0.03008183	0.03008183	turquoise
0.7808261	0.1349868	0.4184418	0.3286413	0.2577532	0.1432179	0.0289773	0.0289773	grey
0.8743713	0.5229478	0.05563447	0.571858	0.5598331	0.04790438	0.00281434	0.00281434	blue
0.2626648	0.03378473	0.6356587	0.162532	0.8140241	0.8625064	1.62E-05	1.62E-05	yellow
0.5262176	0.789105	0.01247057	0.2839735	0.8973937	0.2137217	0.00054333	0.00054333	turquoise
0.6317509	0.08752821	0.0003058	0.1558765	0.3274019	0.8015833	4.87E-08	4.87E-08	green
0.1269812	0.02028668	0.1221918	0.1318216	0.02697837	0.1445617	0.03515539	0.03515539	green
0.05934	0.3347493	0.6158171	0.9806654	0.3244082	0.7679727	0.8108514	0.8108514	grey
0.9615072	0.5467664	0.2894008	0.9308402	0.9222446	0.8007975	0.00348128	0.00348128	turquoise
0.8051455	0.00170305	0.02671721	0.747409	0.8277713	0.4114424	3.10E-11	3.10E-11	brown
0.2308657	0.4854424	0.04298968	0.4712196	0.618183	0.05749335	0.580383	0.580383	grey
0.9463547	0.9553967	0.09707209	0.5082869	0.7738536	0.1775196	0.3387935	0.3387935	turquoise
0.9901023	0.7771138	0.07028921	0.2859579	0.5257859	0.4925064	7.66E-05	7.66E-05	yellow
0.4290427	0.01203759	0.4182907	0.970348	0.9199058	0.9539127	0.00836058	0.00836058	pink
0.5354173	0.00969769	0.05022509	0.0834713	0.2330478	0.7223632	8.77E-08	8.77E-08	brown
0.2063737	0.474887	0.1239656	0.8229292	0.6513969	0.3061022	0.01506908	0.01506908	lightgreen
0.7360329	0.02222345	0.00454008	0.1271318	0.4109883	0.5257288	2.48E-14	2.48E-14	brown
0.04617925	0.1165772	0.3489645	0.7471591	0.5482429	0.70569	0.00910257	0.00910257	cyan
0.5977084	0.2891591	0.137124	0.0264649	0.6874761	0.07162415	0.00611549	0.00611549	blue
0.5117245	0.6899293	0.4047363	0.0404641	0.2030166	0.9925073	0.03645716	0.03645716	royalblue
0.1888279	0.6991626	0.3714462	0.9140529	0.09039973	0.4355566	0.3683317	0.3683317	grey
0.01000332	0.3776138	0.690484	0.2708544	0.03271757	0.785904	0.7588242	0.7588242	green
0.2978357	0.3682286	0.6290145	0.398175	0.6899714	0.8944455	0.01324809	0.01324809	grey
0.03014162	0.3891526	0.2922424	0.3914227	0.8862271	0.9500886	0.762471	0.762471	grey
0.4906795	0.8498013	0.01753324	0.1345673	0.1133356	0.02318275	0.7703464	0.7703464	turquoise
0.2800119	0.6312745	0.3285121	0.9501445	0.6260615	0.6956219	2.10E-09	2.10E-09	yellow
0.2509598	0.00247029	0.01919985	0.7327785	0.556339	0.7920862	8.88E-22	8.88E-22	brown
0.4460733	0.1166515	0.4274508	0.8538542	0.5562587	0.9916147	0.8910904	0.8910904	grey
0.687321	0.2981534	0.2165824	0.2434886	0.3263951	0.7033289	0.00032302	0.00032302	grey
0.607103	0.09513318	0.02651524	0.0934014	0.5651024	0.435001	1.33E-08	1.33E-08	salmon
0.7451548	0.02904552	0.00434655	0.1154504	0.3248666	0.5773703	1.44E-11	1.44E-11	brown
0.4078933	0.4370578	0.0075905	0.1480348	0.8603615	0.7824888	5.30E-08	5.30E-08	yellow
0.7552265	0.2506846	0.01078902	0.0460334	0.2851599	0.01550258	0.174483	0.174483	turquoise
0.455547	0.2494657	0.05452586	0.0575746	0.8056122	0.4701594	5.75E-12	5.75E-12	yellow
0.08690637	0.4383225	0.7194651	0.4424422	0.3883882	0.4718114	0.5828772	0.5828772	greenyellow
0.2717587	0.1028206	0.05081856	0.7351895	0.1031441	0.07529924	0.00720582	0.00720582	turquoise
0.3242277	0.4849534	0.303586	0.8008814	0.7845829	0.9116851	6.76E-09	6.76E-09	brown
0.01156863	0.1228376	0.3989976	0.4803997	0.6995923	0.02471749	0.2157696	0.2157696	blue
0.2826287	0.4841936	0.01149822	0.4345554	0.6786404	0.1583917	0.5388463	0.5388463	turquoise

0.9025853	0.8769378	0.9388701	0.480866	0.8527437	0.6117845	0.23495	0.23495	turquoise
0.7235185	0.864798	0.4982261	0.8061201	0.8143029	0.9726922	0.1082049	0.1082049	grey
0.01296463	0.4099027	0.1638862	0.8796258	0.31274	0.4373596	0.04298214	0.04298214	blue
0.872962	0.6240134	0.9222545	0.9131248	0.6909533	0.6340349	0.00272872	0.00272872	grey
0.6359323	0.4126467	0.05663527	0.060075	0.1690908	0.09239766	0.901884	0.901884	turquoise
0.08536631	0.2854698	0.04505728	0.7714959	0.575311	0.1972858	0.2841295	0.2841295	blue
0.08762457	0.9669371	0.3761207	0.0430414	0.8749807	0.9128934	0.2290197	0.2290197	grey
0.1351317	0.9783042	0.9392249	0.8689096	0.5251295	0.8501471	0.2324523	0.2324523	salmon
0.4784945	0.7934731	0.01609779	0.664609	0.8089884	0.3421249	0.8842633	0.8842633	turquoise
0.2019679	0.9502272	0.3133401	0.0569716	0.473589	0.7024408	0.07677477	0.07677477	red
0.3129234	0.1273258	0.3748552	0.811262	0.8169669	0.6512885	0.399479	0.399479	grey
0.8060205	0.0004496	0.2486096	0.6300775	0.582561	0.9450457	7.26E-13	7.26E-13	yellow
0.4760729	0.06998264	0.00895045	0.3579104	0.7225145	0.1403001	4.18E-12	4.18E-12	yellow
0.1539416	0.04179942	0.257747	0.0956036	0.4521251	0.1409549	0.2361931	0.2361931	grey
0.9593614	0.00281974	0.05317452	0.4781069	0.8219487	0.5733795	4.12E-07	4.12E-07	brown
0.2946759	0.7792977	0.05904303	0.3656432	0.9983518	0.6447972	0.143157	0.143157	turquoise
0.7413396	0.2899852	0.922973	0.6140981	0.8462722	0.7856084	0.00092103	0.00092103	blue
0.3274628	0.00125759	0.03676159	0.5240584	0.9014279	0.6839066	1.87E-11	1.87E-11	brown
0.5351547	0.6643125	0.9556553	0.7355674	0.8551508	0.5758116	0.1843702	0.1843702	grey
0.7294107	0.5973724	0.8060918	0.3682298	0.3723922	0.1083124	0.5610601	0.5610601	grey
0.3732607	0.04007663	0.2249051	0.36247	0.6400487	0.0914704	0.1759203	0.1759203	grey
0.6981671	0.05602658	0.9188623	0.1703217	0.2864414	0.1696205	0.0026475	0.0026475	turquoise
0.6279571	0.3001637	0.00909929	0.4418987	0.4919219	0.5130275	0.7178264	0.7178264	turquoise
0.03364845	0.05339802	0.5494055	0.2381089	0.2479259	0.4475345	0.00089973	0.00089973	blue
0.4314438	0.7334758	0.07596055	0.5381479	0.9774928	0.9402818	0.9352966	0.9352966	grey
0.8655073	0.3872438	0.00041672	0.034454	0.9582037	0.06663392	2.11E-06	2.11E-06	blue
0.4091006	0.5021449	0.01249547	0.0326667	0.3876027	0.080697	0.04911235	0.04911235	green
0.7561698	0.4878446	0.509018	0.9132468	0.2638036	0.3731831	0.8232716	0.8232716	grey
0.5946098	0.9033469	0.01390684	0.3876786	0.5583095	0.1723558	0.01047381	0.01047381	turquoise
0.5002205	0.4189193	0.4382972	0.2343433	0.8527487	0.2889472	0.03613635	0.03613635	blue
0.6415103	0.284919	3.44E-05	0.0185805	0.6071189	0.7916117	3.49E-06	3.49E-06	magenta
0.6692618	0.01616965	0.07230263	0.1650747	0.306106	0.6424254	2.28E-06	2.28E-06	green
0.5973276	0.1189936	0.4730004	0.8457083	0.1389276	0.3501346	1.04E-05	1.04E-05	blue
0.955749	0.00503964	0.2540119	0.429589	0.1984124	0.2135556	0.00852239	0.00852239	turquoise
0.384091	0.08030414	0.8072784	0.4461773	0.1359101	0.838234	0.04602247	0.04602247	lightgreen
0.3657357	0.3935431	0.7031995	0.7148253	0.327918	0.8792041	0.0507799	0.0507799	black
0.9854395	0.6767543	0.0882665	0.9431454	0.9816789	0.7975847	8.00E-06	8.00E-06	grey
0.3941291	0.7396938	0.4895763	0.3531477	0.5644126	0.4585552	0.9213572	0.9213572	black
0.3902371	0.00501279	0.5647514	0.2270117	0.9345872	0.504738	0.00805023	0.00805023	grey
0.2833249	0.1081098	0.8480544	0.5452737	0.4069272	0.4513669	0.9136533	0.9136533	turquoise
0.8120859	0.06421017	0.04631571	0.0310613	0.9400924	0.2025484	0.04771682	0.04771682	turquoise
0.6750529	0.6666665	0.00024393	0.0858328	0.9491287	0.07826972	0.01717352	0.01717352	turquoise
0.6894172	0.2553772	0.1757719	0.8860356	0.6704305	0.06626322	0.01760846	0.01760846	turquoise
0.3130268	0.918169	0.1000802	0.4709775	0.6744275	0.3945368	0.416619	0.416619	blue
0.1497159	0.805381	0.01404563	0.4674464	0.3597442	0.5305891	0.6740609	0.6740609	turquoise
0.8687564	0.5095109	0.2586153	0.6432955	0.308668	0.03173052	0.00026407	0.00026407	blue
0.5262138	0.4120834	0.1310523	0.7981927	0.7197428	0.7587305	0.790172	0.790172	grey
0.1212227	0.1440822	0.1147093	0.033113	0.853162	0.04257142	0.1336959	0.1336959	lightcyan
0.252229	0.1190681	0.0024513	0.0979363	0.6750048	0.6663622	9.09E-16	9.09E-16	yellow
0.9933132	0.00751828	0.05383964	0.8918361	0.508288	0.2834406	5.93E-19	5.93E-19	yellow
0.02020003	0.08149449	0.9257706	0.1581094	0.762561	0.8885238	0.4097826	0.4097826	darkgreen
0.3757922	0.8497452	0.8877135	0.4663066	0.5430402	0.7577462	0.5091466	0.5091466	turquoise
0.441594	0.00930797	0.7929164	0.6720547	0.5989827	0.4163015	2.01E-07	2.01E-07	blue
0.8452984	0.06899423	0.6065517	0.5478421	0.5617127	0.9763142	0.1417042	0.1417042	grey
0.1216114	0.1197833	0.01116723	0.112773	0.8892284	0.5293537	1.38E-15	1.38E-15	brown
0.03582625	0.4649411	0.5377631	0.2639274	0.5668828	0.1303071	0.06886325	0.06886325	turquoise
0.8085293	0.1452288	0.1775385	0.2026404	0.7763928	0.6460803	0.5716088	0.5716088	magenta
0.4825197	0.8390058	0.02054584	0.311094	0.6215181	0.2251906	3.71E-05	3.71E-05	grey
0.2230099	0.5002693	0.05745816	0.1874334	0.1975581	0.525407	0.05265232	0.05265232	turquoise
0.332896	0.01692419	0.7335847	0.6460046	0.7554795	0.4306753	0.00725824	0.00725824	darkgrey
0.6235494	0.3760645	0.5537449	0.5536118	0.6377657	0.2025846	0.8762449	0.8762449	blue

0.2887004	0.07708862	0.249926	0.5283806	0.7770989	0.3385936	0.00691224	0.00691224	brown
0.6979105	0.8685223	0.657889	0.4966597	0.4570306	0.675507	0.00498221	0.00498221	brown
0.3840881	0.8796177	0.9468443	0.1499143	0.860094	0.1009845	0.179264	0.179264	turquoise
0.8481398	0.7679287	0.3016236	0.0138971	0.8330746	0.8364923	0.00465837	0.00465837	grey
0.7929295	0.02085292	0.2227518	0.2799268	0.3320978	0.5890754	0.02850895	0.02850895	grey
0.4708741	0.8125693	0.08552859	0.6009255	0.3929694	0.3588337	1.05E-05	1.05E-05	grey
0.1233507	0.7373792	0.5226011	0.5966545	0.8363527	0.5590057	0.4774485	0.4774485	grey
0.3012119	0.176491	0.02907538	0.0870648	0.3420353	0.5753074	0.03452375	0.03452375	brown
0.3213456	0.815236	0.3202414	0.8839861	0.7485218	0.7794552	0.07840885	0.07840885	turquoise
0.62807	0.1199863	8.07E-06	0.1195127	0.4461416	0.3227439	1.57E-11	1.57E-11	green
0.6249416	0.6048238	0.09282599	0.654185	0.5683672	0.129304	0.2033121	0.2033121	green
0.14702	0.2030449	0.3968999	0.7503298	0.9188286	0.9896077	1.86E-05	1.86E-05	blue
0.037673	0.2243152	0.05734658	0.3187112	0.8239207	0.00813251	0.00293185	0.00293185	turquoise
0.8371705	0.1725437	0.3266607	0.6831339	0.4109834	0.4781641	0.0577658	0.0577658	blue
0.490208	0.07239923	0.02092683	0.0200008	0.08581339	0.00091945	0.790393	0.790393	grey
0.3433518	0.1521898	0.1903509	0.1672607	0.6735489	0.235299	0.122603	0.122603	grey
0.8887451	0.1737931	0.3488983	0.1533688	0.8691503	0.9791736	0.1052971	0.1052971	blue
0.6740492	0.2590871	0.7995215	0.9270794	0.02078736	0.3981881	0.01375026	0.01375026	blue
0.09181485	0.6075822	0.1595818	0.714034	0.4463297	0.4258072	0.02926137	0.02926137	grey
0.01173205	0.3534041	0.07729132	0.2088346	0.5352645	0.1320739	0.1861009	0.1861009	grey
0.1194338	0.9841021	0.4866317	0.6169006	0.4169787	0.7148889	0.9573691	0.9573691	grey
0.1165583	0.00988057	0.750975	0.6765353	0.7708601	0.3206083	3.82E-05	3.82E-05	black
0.2467312	0.4516249	0.9971143	0.2871503	0.5591831	0.9702912	0.00010504	0.00010504	blue
0.6501035	0.8765261	0.4990977	0.9182063	0.9219666	0.7790386	0.8701221	0.8701221	turquoise
0.5556448	0.07739131	0.5631109	0.5840715	0.7019559	0.06398857	0.3492832	0.3492832	grey
0.1931085	0.02728469	0.3635168	0.8618511	0.7440421	0.5197036	0.0009973	0.0009973	blue
0.2812986	0.3509706	0.3512935	0.8352875	0.06699214	0.3608907	0.5297919	0.5297919	blue
0.651831	0.3415168	0.00035876	0.1069798	0.8198349	0.07607524	0.05915557	0.05915557	turquoise
0.7323754	0.2893702	0.9675568	0.3402562	0.1310356	0.6206669	0.2370251	0.2370251	blue
0.8185108	0.8158985	0.3287407	0.1193439	0.5852894	0.8991486	0.3763486	0.3763486	grey
0.4040013	0.1276867	0.6734312	0.5788026	0.5914925	0.2092521	8.39E-07	8.39E-07	blue
0.558589	0.08319825	0.2146701	0.34316	0.6197252	0.2210644	0.00011995	0.00011995	skyblue
0.9612068	0.6636963	0.1554315	0.0641498	0.5010613	0.582793	0.8167756	0.8167756	turquoise
0.6866771	0.9177939	0.00951985	0.3129654	0.5686565	0.4038741	0.06618913	0.06618913	turquoise
0.1320488	0.08927795	0.01543161	0.0030235	0.8678176	0.1552219	0.02790332	0.02790332	turquoise
0.46516	0.870188	0.2345454	0.760484	0.9983503	0.1181177	0.03925993	0.03925993	red
0.6456311	0.186116	0.00354363	0.1293734	0.438475	0.09827557	0.2600943	0.2600943	grey
0.9463923	0.9433324	0.06866803	0.349061	0.5582791	0.2127625	0.07597055	0.07597055	turquoise
0.237418	0.2540356	0.06808322	0.4524728	0.905286	0.3772268	0.9752829	0.9752829	turquoise
0.1282022	0.1058101	0.6785225	0.4441249	0.3164249	0.829915	0.05593532	0.05593532	greenyellow
0.344689	0.3853002	0.1396532	0.5521775	0.6592283	0.7719884	0.1717761	0.1717761	turquoise
0.9723405	0.4614406	0.4538399	0.7656434	0.4664792	0.955671	6.69E-05	6.69E-05	grey
0.5757704	0.596337	0.4591431	0.2459732	0.3820691	0.1430138	0.6216955	0.6216955	grey
0.05873931	0.19872	0.4329638	0.8684487	0.2611394	0.5224489	0.4711461	0.4711461	grey
0.5505155	0.8021221	0.00741371	0.0134322	0.2869776	0.06214747	0.1767613	0.1767613	grey
0.5845757	0.6093161	9.04E-05	0.0346442	0.4396269	0.6768928	0.00037246	0.00037246	magenta
0.6033761	0.5488661	0.00032302	0.8693735	0.8576946	0.1094627	0.121039	0.121039	tan
0.1041726	0.2972218	0.244869	0.6752644	0.3081128	0.2601718	0.08018523	0.08018523	blue
0.9817327	0.379723	0.1369152	0.1180326	0.5927945	0.04716338	0.7177827	0.7177827	turquoise
0.9014766	0.2114051	0.3551572	0.1128737	0.264743	0.7256316	0.3590131	0.3590131	grey
0.00743474	0.6816788	0.8128224	0.7369366	0.7351992	0.3618227	0.3740825	0.3740825	grey
0.4176911	0.317385	0.2699986	0.985948	0.3697028	0.7407586	0.2319135	0.2319135	grey
0.1190106	0.01517797	0.01133471	0.4084151	0.777381	0.4624058	3.37E-11	3.37E-11	turquoise
0.6030492	0.5186355	0.8486182	0.9953189	0.9598733	0.836807	0.1846407	0.1846407	turquoise
0.2100471	0.8207032	0.5467607	0.7792278	0.9374987	0.3256316	0.9101003	0.9101003	red
0.00315223	0.6100225	0.5549544	0.7265196	0.8110233	0.1752011	0.8373926	0.8373926	grey
0.6703272	0.194485	0.8093185	0.544805	0.668344	0.9600394	0.2576522	0.2576522	turquoise
0.7022943	0.4206258	0.0374503	0.1708245	0.3048911	0.3099346	0.574909	0.574909	turquoise
0.6737452	0.2675874	0.1664321	0.1360109	0.9747344	0.9813483	0.3652835	0.3652835	grey
0.158311	0.2952175	0.7956245	0.7226098	0.7692001	0.3921997	0.8051902	0.8051902	grey
0.6398634	0.2334597	0.00866692	0.1279623	0.6265265	0.04550545	0.233215	0.233215	turquoise

0.07343115	0.9624545	0.5793416	0.8698702	0.7244158	0.2985536	0.02176466	0.02176466	red
0.9997575	0.2246487	0.6105334	0.4321956	0.4434921	0.6438515	0.308308	0.308308	salmon
0.3627901	0.3696436	0.00465111	0.0366868	0.7872278	0.02827632	0.6905095	0.6905095	grey
0.05607141	4.44E-05	0.1627457	0.586072	0.8842009	0.2308534	3.99E-09	3.99E-09	grey
0.1724701	0.05370972	1.93E-06	0.0465394	0.3458286	0.09348564	1.94E-16	1.94E-16	yellow
0.1585553	0.2276808	0.7428657	0.6197	0.4276183	0.1074737	0.3937483	0.3937483	grey
0.945202	0.1315639	0.5782992	0.8498659	0.512215	0.1758253	0.4036066	0.4036066	turquoise
0.961805	0.2624758	0.9869088	0.4584079	0.227743	0.7472796	2.62E-07	2.62E-07	brown
0.7488794	0.4883272	0.9435141	0.5926259	0.1816653	0.6383776	0.7129116	0.7129116	blue
0.3171011	0.858089	0.8703727	0.458943	0.9269916	0.480436	3.20E-06	3.20E-06	lightgreen
0.3681016	0.9148659	0.3447149	0.6258368	0.6998954	0.0808325	0.2237278	0.2237278	turquoise
0.415839	0.08083069	0.1394848	0.6064624	0.9427552	0.5716316	4.33E-29	4.33E-29	yellow
0.2932927	0.8711926	0.4763189	0.90787	0.7851448	0.4275047	0.0143431	0.0143431	cyan
0.952548	0.9106022	0.5006145	0.4168557	0.5987567	0.6296943	0.5252217	0.5252217	blue
0.9755667	0.1292744	0.2489629	0.9183567	0.3458773	0.05561746	0.0049188	0.0049188	grey
0.4007178	0.5215296	0.8683529	0.6130906	0.7857899	0.4591508	0.7119583	0.7119583	grey
0.7041768	0.3938674	0.1007725	0.3970766	0.6252949	0.9224654	0.1453944	0.1453944	grey
0.8432201	0.2388311	0.9395001	0.2768131	0.7167326	0.7186201	3.91E-06	3.91E-06	grey
0.2040649	0.011586	0.6000153	0.5455899	0.9972854	0.3821704	2.07E-14	2.07E-14	brown
0.04286048	0.5393886	0.6925173	0.7406085	0.9218105	0.654139	0.204003	0.204003	turquoise
0.6371214	0.7358132	0.8195727	0.7187701	0.746799	0.8089553	0.6239573	0.6239573	turquoise
0.5895689	0.3782025	0.9416101	0.8731745	0.927732	0.1226375	0.00224318	0.00224318	grey
0.2047248	0.2020844	0.1716184	0.6446042	0.6417164	0.503399	0.09236423	0.09236423	grey
0.4081358	0.7892244	0.2052998	0.7217856	0.7278522	0.9843378	0.1561918	0.1561918	grey
0.2250004	0.1100694	0.5082014	0.4428001	0.3496687	0.3285671	0.00090328	0.00090328	blue
0.4033823	0.05585978	0.2918051	0.4087926	0.9562167	0.8001946	0.00473207	0.00473207	grey
0.5186885	0.4182199	0.367507	0.9886988	0.6288449	0.5547492	0.1403079	0.1403079	grey
0.5551538	0.8912374	0.8540527	0.1719535	0.8561084	0.3416744	4.65E-05	4.65E-05	turquoise
0.6606606	0.01789529	0.7052881	0.6070939	0.2940331	0.411312	0.00464296	0.00464296	blue
0.7620828	0.02205802	0.6265421	0.4511923	0.4927196	0.8738025	0.08013778	0.08013778	turquoise
0.2441098	0.3728814	0.03427302	0.3492699	0.5219044	0.08359673	0.1410717	0.1410717	turquoise
0.1579849	0.05491871	0.199094	0.1223745	0.3294247	0.521611	0.01222186	0.01222186	blue
0.1256408	0.8976604	0.02391703	0.4198197	0.5156979	0.07574801	0.03001729	0.03001729	turquoise
0.5359052	0.06239068	0.1717263	0.8977752	0.9589328	0.7297039	0.00122717	0.00122717	grey
0.01136576	0.01778447	0.7873431	0.6549791	0.9335719	0.4240147	0.00071642	0.00071642	grey
0.2620098	0.04676592	0.2569111	0.5111301	0.8428165	0.9820724	5.84E-05	5.84E-05	blue
0.04420252	0.2144048	0.05002816	0.8287029	0.1781094	0.1345074	0.0003499	0.0003499	grey
0.1396393	0.6948316	0.2301611	0.7260544	0.3174758	0.2936738	0.7024562	0.7024562	red
0.2718678	0.2884168	0.2364863	0.0416944	0.8762448	0.06266497	0.00041392	0.00041392	turquoise
0.03825051	0.4157251	0.6562344	0.9170242	0.3436271	0.6598945	0.1253045	0.1253045	grey
0.168701	0.00568777	0.5639117	0.9875756	0.6272538	0.7976909	0.04827655	0.04827655	grey
0.4335781	0.4802232	0.9979604	0.5798459	0.4280724	0.1114852	7.17E-05	7.17E-05	blue
0.8023512	0.3761749	0.1359487	0.0084526	0.3465334	0.4616803	0.3906696	0.3906696	turquoise
0.5563995	0.4458827	0.3250274	0.0412337	0.9886903	0.04139489	0.1160512	0.1160512	turquoise
0.5428588	0.1986445	0.02198896	0.204474	0.2178872	0.2466509	0.00121258	0.00121258	green
0.08172232	0.5000046	0.5017749	0.3523161	0.9170744	0.4956344	0.06430429	0.06430429	grey
0.1432248	0.5172083	0.7348991	0.3385446	0.05084611	0.1992561	0.00988124	0.00988124	turquoise
0.1294801	0.2646148	0.3054927	0.487229	0.2832438	0.8604997	0.00690203	0.00690203	turquoise
0.3417687	0.8625047	0.1295884	0.0752614	0.504835	0.4751843	0.3676713	0.3676713	grey
0.002063	0.3094934	0.4932764	0.6430644	0.0687208	0.3370737	0.1809436	0.1809436	green
0.1818813	0.413593	0.8320775	0.0991366	0.5333193	0.04327728	0.9069147	0.9069147	grey
0.3346426	0.2200577	0.4681504	0.7626557	0.5020526	0.08921667	0.00351377	0.00351377	lightgreen
0.1388749	0.4289976	0.05030044	0.0912176	0.1412495	0.241602	0.572278	0.572278	green
0.4516354	0.799872	0.4551247	0.4719824	0.9570106	0.1825966	0.1254298	0.1254298	blue
0.9465213	0.00873608	0.7916941	0.7606203	0.6842197	0.182563	2.07E-06	2.07E-06	blue
0.9715237	0.9614653	0.00582119	0.1025922	0.6811516	0.03172731	0.02970332	0.02970332	turquoise
0.05329598	0.00810522	0.1175198	0.6176863	0.6058463	0.4380813	1.11E-05	1.11E-05	blue
0.9705105	0.05263078	0.04563351	0.4776563	0.7891252	0.7883506	3.56E-36	3.56E-36	yellow
0.06413804	0.06554936	0.694002	0.4345206	0.1972502	0.04952201	1.49E-07	1.49E-07	blue
0.6028091	0.2396742	0.05566737	0.6264642	0.405627	0.8459512	0.6128605	0.6128605	grey
0.01806898	0.1607548	0.9064322	0.5128793	0.9543378	0.4241529	0.2565616	0.2565616	grey

0.5851387	0.794318	0.00194557	0.3262788	0.9932404	0.7011078	0.00087693	0.00087693	magenta
0.2582882	0.207091	0.8239193	0.9792815	0.4454224	0.6924879	2.06E-05	2.06E-05	grey
0.4659602	0.02284514	0.7484364	0.4485614	0.7052686	0.8025826	9.74E-07	9.74E-07	brown
0.4562584	0.01497552	0.02074615	0.5834929	0.8975103	0.1810476	0.08020468	0.08020468	tan
0.2874035	0.5239297	0.01161392	0.161487	0.4606557	0.4959552	0.9522039	0.9522039	turquoise
0.230091	0.5524442	0.06871672	0.2282702	0.3329551	0.2104922	0.00262765	0.00262765	grey
0.1938164	0.5203578	0.0035922	0.1039931	0.7026657	0.09218608	1.38E-05	1.38E-05	turquoise
0.847126	0.06939357	0.1859308	0.7653373	0.881599	0.2161361	0.03012785	0.03012785	turquoise
0.1162794	0.690029	0.635868	0.3931874	0.5091101	0.5455836	0.06734073	0.06734073	grey
0.8465049	0.8754428	0.08002088	0.6090953	0.8353927	0.1117478	0.05273176	0.05273176	turquoise
0.05881931	0.4609494	0.011021	0.1206693	0.8403936	0.933494	5.91E-07	5.91E-07	turquoise
0.5606667	0.1027507	0.3763504	0.5551254	0.6571304	0.7367766	0.214068	0.214068	grey
0.4393315	0.5544563	0.5432736	0.0202706	0.2690556	0.05340168	0.6642582	0.6642582	grey
0.05545364	0.02233498	0.2673553	0.1541635	0.4633905	0.6450602	0.00054591	0.00054591	grey
0.7393847	0.00890875	0.0191004	0.4956965	0.9436235	0.9770235	2.66E-09	2.66E-09	brown
0.9640281	0.00663158	0.01442782	0.3746218	0.5899753	0.5842271	2.61E-20	2.61E-20	yellow
0.9933161	0.9731749	0.8794646	0.1813673	0.6235155	0.2575611	0.5360571	0.5360571	grey
0.9804406	0.9799127	0.4621782	0.4723636	0.6963249	0.997394	0.01085397	0.01085397	blue
0.5782944	0.3593572	0.7589257	0.6999821	0.1244713	0.7885197	0.2771096	0.2771096	blue
0.6593806	0.7823579	0.02351913	0.5757134	0.8096173	0.103166	1.78E-08	1.78E-08	brown
0.4532761	0.5022602	0.00213884	0.0440044	0.2601707	0.00764737	0.0462248	0.0462248	turquoise
0.4951335	0.2907927	0.00014754	0.0202248	0.7419159	0.03098769	0.9036431	0.9036431	turquoise
0.8388485	0.6906263	0.1783859	0.1261182	0.859949	0.6393982	0.3369439	0.3369439	black
0.2142296	0.8157039	0.2327085	0.1641731	0.5083471	0.6304816	0.08782943	0.08782943	greenyellow
0.3619486	0.5614124	0.8960241	0.1441274	0.8532447	0.305903	0.0176823	0.0176823	blue
0.1761661	0.2733866	0.1975021	0.8924667	0.8230449	0.3636176	0.00039123	0.00039123	lightyellow
0.7219728	0.4985529	0.8705847	0.9538764	0.4128655	0.6714383	0.1327211	0.1327211	purple
0.4014433	0.493277	0.7309624	0.235965	0.7482788	0.9240085	0.3368912	0.3368912	grey
0.2770455	0.4638507	0.0155014	0.0805621	0.2994339	0.02786478	0.0074465	0.0074465	turquoise
0.7856948	0.0997783	0.1293478	0.6712218	0.07438565	0.3565306	1.14E-19	1.14E-19	yellow
0.8195831	0.05098704	0.127983	0.3229525	0.8118227	0.4348615	1.35E-17	1.35E-17	yellow
0.8003638	0.9546146	0.1767826	0.6436029	0.5474475	0.9412983	0.0713646	0.0713646	grey
0.309431	0.5961864	0.2125723	0.4793069	0.05030622	0.09982866	0.3166345	0.3166345	grey
0.5538864	0.05977086	0.1623613	0.2533818	0.8747939	0.9656951	0.4798554	0.4798554	grey
0.8626098	0.0918844	0.00860072	0.0334128	0.7886241	0.02280535	0.04362311	0.04362311	turquoise
0.06035369	0.9308987	0.2980956	0.0171794	0.3969753	0.06072808	0.7861675	0.7861675	grey
0.1413201	0.260999	0.2681591	0.0653475	0.1532415	0.5423614	0.679191	0.679191	grey
0.8526483	0.1902097	0.170441	0.4515627	0.1261697	0.1415974	0.03304093	0.03304093	turquoise
0.276135	0.5627581	0.00529943	0.4267022	0.3160344	0.0878951	0.00084707	0.00084707	green
0.3556292	0.2066704	0.03936387	0.925286	0.1618455	0.1760917	0.00789051	0.00789051	grey
0.7927599	0.8731523	0.01109724	0.4498289	0.921103	0.3485626	0.390018	0.390018	magenta
0.9880615	0.3912585	0.8137798	0.1493927	0.7062179	0.3958498	0.00072574	0.00072574	turquoise
0.8686699	0.01185659	0.0610793	0.6730402	0.3514018	0.5391668	0.00638293	0.00638293	blue
0.02895737	0.2495405	0.05805432	0.0752144	0.6302235	0.05344237	0.3356575	0.3356575	turquoise
0.4262062	0.30486	0.05696459	0.4601638	0.5345719	0.03447672	0.1699814	0.1699814	grey
0.7814358	0.7471589	0.6200712	0.9680168	0.8960292	0.3310724	0.0001884	0.0001884	grey
0.9468055	0.2829571	0.3462155	0.8179411	0.9157382	0.4657402	0.00201504	0.00201504	grey
0.3459283	0.1975259	0.00524605	0.0482187	0.07764096	0.6559241	0.2826167	0.2826167	turquoise
0.352927	0.7065299	0.145801	0.1775986	0.999557	0.03239315	0.0715814	0.0715814	turquoise
0.4564648	0.6276784	0.9258267	0.773802	0.2154833	0.6446618	0.5472844	0.5472844	turquoise
0.5040547	0.04265479	0.4926934	0.3043612	0.7189591	0.2375939	0.00380192	0.00380192	grey
0.171533	0.8187696	0.03519453	0.8602533	0.9183634	0.04113536	0.0001219	0.0001219	grey
0.245105	0.8491562	0.7150062	0.21762	0.7424868	0.7044376	0.818025	0.818025	blue
0.133672	0.2416711	0.00542932	0.0357943	0.3656004	0.03301892	0.6190485	0.6190485	turquoise
0.6697788	0.02848314	0.1354485	0.5915133	0.7271134	0.8024702	0.3863337	0.3863337	grey
0.2398295	0.8497382	0.1610504	0.395484	0.5485404	0.83793	0.6010236	0.6010236	midnightblue
0.6070903	0.4648881	0.00475039	0.7701596	0.904626	0.1223261	0.00617676	0.00617676	turquoise
0.07867908	0.8741562	0.00516581	0.048691	0.9460777	0.1447828	0.01777573	0.01777573	turquoise
0.01881219	0.09833841	0.4275897	0.5360842	0.6205436	0.6512851	0.00103557	0.00103557	grey
0.483085	0.7627314	0.6127043	0.2541041	0.9859659	0.4593057	0.5425576	0.5425576	turquoise
0.7007348	0.9838582	0.5625635	0.2226177	0.4222011	0.3844182	0.3259173	0.3259173	turquoise

0.03877759	0.4772302	0.0071201	0.0062796	0.5090269	0.04235172	0.1575425	0.1575425	lightcyan
0.165821	0.05471498	0.1185848	0.2160822	0.8938666	0.7022182	0.00197834	0.00197834	blue
0.9436592	0.7148477	0.3807971	0.8365106	0.5183268	0.7344123	0.00043435	0.00043435	darkturquoise
0.09710415	0.9487583	0.7246431	0.4571546	0.6604745	0.163107	0.5057561	0.5057561	lightyellow
0.9431363	0.2582093	0.01596282	0.0820587	0.8005999	0.1820393	0.00428626	0.00428626	turquoise
0.1896772	0.1789265	0.7816831	0.3417174	0.828849	0.6528116	0.6826314	0.6826314	grey
0.663601	0.2377136	0.5012385	0.355488	0.862564	0.4153536	0.00857142	0.00857142	blue
0.2759091	0.01892397	0.5498503	0.7845638	0.9684836	0.9303012	0.00127277	0.00127277	blue
0.04749351	0.1881964	0.1290311	0.0960623	0.5932962	0.04971006	0.06278031	0.06278031	turquoise
0.4025436	0.8728714	0.906821	0.0511753	0.4382169	0.8160253	0.3785968	0.3785968	blue
0.06265393	0.2771704	0.5106245	0.7012659	0.7963322	0.2789646	1.33E-07	1.33E-07	blue
0.0628357	0.1973155	0.00031989	0.7605687	0.6406969	0.5387117	7.10E-06	7.10E-06	brown
0.8182166	0.05235684	0.2204282	0.7717409	0.7882449	0.2247441	0.02259982	0.02259982	turquoise
0.8496397	0.5748128	0.5375285	0.8837309	0.3476446	0.2789582	0.2289864	0.2289864	turquoise
0.1797252	0.9425546	0.681786	0.1226038	0.7445356	0.2764107	0.4546301	0.4546301	turquoise
0.834195	0.3861	0.04913389	0.2497972	0.531405	0.03792213	0.00756172	0.00756172	turquoise
0.7185981	0.3081691	0.1202479	0.549175	0.6296487	0.02982344	0.00042397	0.00042397	blue
0.6918469	0.4824362	0.01651785	0.574404	0.3985023	0.04616725	0.7719533	0.7719533	turquoise
1.59E-05	0.4571756	0.1361758	0.9849493	0.734786	0.4936505	0.02417531	0.02417531	grey
0.9683195	0.1809002	0.9866938	0.603594	0.7022566	0.8153348	0.538052	0.538052	turquoise
0.2982302	0.9276135	0.06432271	0.0653602	0.7624106	0.2589832	0.1037651	0.1037651	lightyellow
0.05999932	0.5288814	0.5633531	0.8770155	0.2714844	0.6060759	0.00189932	0.00189932	grey
0.0808073	0.3287238	0.1745843	0.9027553	0.671203	0.5168403	0.670222	0.670222	turquoise
0.8738364	0.5341341	0.4784892	0.376744	0.4783401	0.3269978	0.9787204	0.9787204	grey
0.02688587	0.5623643	0.691242	0.8574105	0.8497941	0.2016694	0.1340017	0.1340017	turquoise
0.7909299	0.1168386	0.00035458	0.1233462	0.6718859	0.02984652	4.25E-06	4.25E-06	green
0.7467471	0.7042875	0.5647321	0.2238244	0.9873098	0.4297174	0.1883114	0.1883114	turquoise
0.2783012	0.00767967	0.1964645	0.6405994	0.6712724	0.9416307	2.83E-05	2.83E-05	green
0.09412152	0.09607716	0.408062	0.3754314	0.6723836	0.9011398	0.1580938	0.1580938	blue
0.3717704	0.01032398	0.1507913	0.2664973	0.5292701	0.1151102	0.00467241	0.00467241	brown
0.1903281	0.1305274	0.04992297	0.8485126	0.7702973	0.4653439	0.01295305	0.01295305	grey
0.2028301	0.7376261	0.836893	0.9462014	0.60259	0.2053091	0.1824758	0.1824758	black
0.4149615	0.06815392	0.4331739	0.5350229	0.1064221	0.262377	0.00044073	0.00044073	turquoise
0.109322	0.03735333	0.3627313	0.9414824	0.7918732	0.6629127	0.00875822	0.00875822	yellow
0.7372226	0.5847991	0.5488051	0.8726481	0.5269375	0.3564149	0.5242909	0.5242909	grey
0.8863319	0.07631222	0.3573945	0.7540129	0.9923704	0.7158055	0.00961431	0.00961431	turquoise
0.6586935	0.1453845	0.4106153	0.5909458	0.6627058	0.6583112	8.57E-06	8.57E-06	grey
0.4894585	0.984014	0.7265353	0.406058	0.4849577	0.9271917	0.6086968	0.6086968	grey
0.914582	0.1990986	0.1093377	0.3430818	0.2258486	0.1973034	0.01447607	0.01447607	turquoise
0.3755769	0.04301419	0.9472742	0.2598282	0.5050392	0.2465803	5.77E-08	5.77E-08	turquoise
0.3165713	0.1331533	0.1195471	0.5033257	0.6959099	0.4163848	0.0604036	0.0604036	turquoise
0.3800454	0.02143002	0.1843404	0.0593339	0.9354598	0.1510914	0.08077065	0.08077065	grey
0.358948	0.6648021	0.8224086	0.6326005	0.00144843	0.4087041	0.075969	0.075969	grey
0.2558496	0.3596978	0.3575879	0.0561406	0.6940874	0.1305436	0.2026919	0.2026919	grey
0.4090944	0.8660758	0.6537432	0.2668205	0.5611617	0.7227608	0.6740444	0.6740444	turquoise
0.8775036	0.7899605	0.3710414	0.8291378	0.7581339	0.2182998	0.5132699	0.5132699	blue
0.7142546	0.00623237	0.7561054	0.2185346	0.133646	0.4156333	4.06E-05	4.06E-05	grey
0.03628764	0.3734204	0.04918046	0.3888395	0.2187679	0.1634814	1.77E-07	1.77E-07	magenta
0.2158248	0.2918309	0.01579656	0.0776148	0.7324612	0.3022908	0.6385348	0.6385348	turquoise
0.7407312	0.1858845	0.6699397	0.7053673	0.3035341	0.2139553	0.00521156	0.00521156	blue
0.8747895	0.1461507	0.2017812	0.6833495	0.9391697	0.6284268	2.79E-06	2.79E-06	blue
0.7733688	0.361553	0.2231031	0.6333902	0.07450117	0.3033926	0.5305256	0.5305256	grey
0.642151	0.4088842	0.00197041	0.2186559	0.9496753	0.08759093	0.2161685	0.2161685	turquoise
0.1218844	0.01420351	0.2120794	0.2059552	0.1459688	0.8575786	0.1011865	0.1011865	turquoise
0.2417231	0.2875674	0.0341979	0.0198423	0.8995984	0.4002387	0.1474551	0.1474551	turquoise
0.346	0.4647145	0.4798024	0.4041969	0.7907477	0.7876614	0.011115	0.011115	blue
0.5976705	0.515601	0.00207992	0.1430783	0.3864695	0.247601	0.00024763	0.00024763	green
0.8120751	0.213186	0.00210166	0.2093819	0.9000992	0.1471524	0.01532952	0.01532952	turquoise
0.2587755	0.232591	0.139833	0.0368407	0.7373173	0.2370876	0.0035309	0.0035309	grey
0.3644891	0.06195007	0.00253509	0.6251639	0.4424391	0.6728211	0.1012766	0.1012766	magenta
0.7980204	0.0131839	0.1225645	0.0256391	0.4978237	0.1034251	0.00441542	0.00441542	grey

0.010382	0.2121109	0.2688036	0.0635595	0.5006646	0.5015532	0.00050236	0.00050236	grey
0.9243193	0.1518203	0.4460972	0.5836608	0.05746888	0.1275576	0.1726774	0.1726774	turquoise
0.1187331	0.3589892	0.809471	0.7319254	0.6360289	0.06206281	3.09E-07	3.09E-07	brown
0.2073487	0.159115	0.06422376	0.6626137	0.7178214	0.1860441	0.02572269	0.02572269	turquoise
0.1435739	0.8895222	0.8599525	0.9228165	0.7581119	0.4843478	0.9310487	0.9310487	red
0.7201087	0.3091424	0.3466571	0.0893538	0.2664039	0.08885473	0.5532171	0.5532171	green
0.1593055	0.3691862	0.7831785	0.2129741	0.7510957	0.629886	0.04304698	0.04304698	green
0.4548111	0.3193171	0.03055665	0.5962072	0.7761876	0.2278276	0.8959941	0.8959941	turquoise
0.5967206	0.2027928	0.00089317	0.0073629	0.9526868	0.1499531	0.00010422	0.00010422	turquoise
0.5585343	0.01941353	0.4323463	0.5870546	0.5162548	0.354592	0.00548297	0.00548297	midnightblue
0.1457974	0.7135541	0.2702996	0.0049839	0.1595742	0.08954086	0.9534847	0.9534847	lightyellow
0.929095	0.5318948	0.2822751	0.8135614	0.4605362	0.9855773	0.9577697	0.9577697	turquoise
0.2642391	0.01297358	0.6085208	0.6955842	0.9425787	0.9886798	0.00113258	0.00113258	grey
0.5270415	0.2064411	0.5519823	0.3325543	0.1043603	0.6410792	0.8177903	0.8177903	grey
0.2843578	0.01575679	0.1264905	0.8864335	0.9416179	0.9504255	2.33E-13	2.33E-13	brown
0.8256772	0.00146026	0.2077972	0.8258453	0.5536361	0.173357	0.05279769	0.05279769	greenyellow
0.152982	0.5330591	0.6175996	0.1688369	0.6018463	0.1447271	4.51E-07	4.51E-07	yellow
0.5011812	0.1045313	0.7791696	0.3677799	0.4317483	0.3875758	0.4475145	0.4475145	purple
0.2927298	0.5790599	0.2056947	0.3883613	0.5277637	0.3714413	0.9546873	0.9546873	turquoise
0.3285515	0.5438831	0.2842801	0.8036925	0.9148639	0.5964303	0.08278768	0.08278768	grey
0.1273692	0.2034689	0.1116351	0.9953403	0.8415865	0.2340522	0.02447307	0.02447307	turquoise
0.1878847	0.6543666	0.347454	0.4996642	0.4586902	0.0205847	0.5801693	0.5801693	turquoise
0.7487753	0.1354683	0.04620435	0.0470776	0.4105632	0.01334577	0.07335044	0.07335044	turquoise
0.3126763	0.2410738	0.00266242	0.6928446	0.5470876	0.05176924	8.23E-05	8.23E-05	turquoise
0.7398077	0.5650273	0.1056736	0.4046393	0.6374111	0.02254852	0.9980578	0.9980578	turquoise
0.1384224	0.00850697	0.01627818	0.8967338	0.6950548	0.2048675	0.00019487	0.00019487	blue
0.6489587	0.02515116	0.5686625	0.8354026	0.9140946	0.4708365	3.53E-08	3.53E-08	brown
0.7638932	0.6698035	0.9243903	0.9698138	0.6930249	0.6024716	0.02706971	0.02706971	grey
0.09363907	0.1015364	0.00897533	0.1237161	0.1519859	0.1210165	0.00349719	0.00349719	green
0.7912126	0.9138771	0.05967652	0.2707389	0.3839974	0.08744969	0.624979	0.624979	turquoise
0.256107	0.7572561	0.9786315	0.3103375	0.2839411	0.3928777	0.00073668	0.00073668	grey
0.8332234	0.1029522	0.6948923	0.6041045	0.2095065	0.5081295	3.88E-05	3.88E-05	blue
0.1567629	0.3210604	0.648503	0.0416718	0.6684053	0.4421941	0.3090863	0.3090863	black
0.00576615	0.05548402	0.00412619	0.6082372	0.6674121	0.6826102	7.68E-05	7.68E-05	brown
0.4069142	0.3906202	0.380051	0.1360628	0.2018495	0.06311149	0.644051	0.644051	turquoise
0.3847994	0.00466468	0.06540361	0.3263152	0.2071271	0.7160965	1.47E-07	1.47E-07	turquoise
0.7205693	0.2342446	0.2074684	0.6137573	0.7028611	0.05810957	0.07330039	0.07330039	skyblue
0.3612223	0.1262899	0.6113378	0.4001623	0.9222834	0.7604651	0.03671281	0.03671281	turquoise
0.2885767	0.01933567	0.3199595	0.4418505	0.4927295	0.743838	1.08E-11	1.08E-11	brown
0.990914	0.1475666	0.00655869	0.7194925	0.3011132	0.7954213	0.01196066	0.01196066	blue
0.3446742	0.5938533	0.2260047	0.872878	0.5308835	0.9647987	0.5648004	0.5648004	grey
0.9971101	0.2572349	0.01991107	0.4508988	0.6547847	0.9695128	0.1530854	0.1530854	grey
0.3985984	0.2413857	0.1437711	0.4413478	0.01615884	0.08497939	0.7259488	0.7259488	turquoise
0.1282974	0.2487238	0.4284432	0.7244559	0.3236622	0.832263	0.09168953	0.09168953	grey
0.1441249	0.7846788	0.4999046	0.9582409	0.3891425	0.2263276	0.7212526	0.7212526	grey
0.1175917	0.6654289	0.06650259	0.0899283	0.6647533	0.07627846	0.107927	0.107927	turquoise
0.1432665	0.9325627	0.5061012	0.9580026	0.9736721	0.6003097	0.4282853	0.4282853	midnightblue
0.2846898	0.2726669	0.5654645	0.1808805	0.9223362	0.9442855	0.474152	0.474152	grey
0.8729618	0.7573255	0.0354972	0.0945254	0.9984728	0.01319122	0.281285	0.281285	turquoise
0.5302594	0.7597727	0.2987012	0.8568339	0.1537034	0.2546174	5.15E-06	5.15E-06	grey
0.1322843	0.280737	0.03877356	0.058141	0.5311816	0.09659209	1.22E-05	1.22E-05	turquoise
0.9843308	0.1501231	0.01783015	0.5762697	0.8525602	0.09154346	3.99E-12	3.99E-12	blue
0.6433123	0.6415202	0.109608	0.862903	0.1429183	0.5128436	7.90E-07	7.90E-07	brown
0.6727002	0.4125091	0.8476465	0.2822003	0.9390742	0.08623138	0.08023667	0.08023667	blue
0.2353938	0.5146769	0.1642686	0.9824494	0.7243056	0.9981472	0.00504077	0.00504077	grey
0.9612316	0.4848087	0.0018763	0.1624944	0.9570383	0.06807087	0.00517134	0.00517134	turquoise
0.2210034	0.276894	0.00173132	0.060428	0.8099092	0.05285566	0.00711934	0.00711934	turquoise
0.6978711	0.1605715	0.1628228	0.0237379	0.3046244	0.08459212	0.06691507	0.06691507	turquoise
0.00794772	0.2813215	0.01187314	0.9230015	0.9384879	0.3393829	0.2733676	0.2733676	grey
0.6609052	0.326876	0.07743333	0.6741353	0.8243859	0.8800188	0.2041203	0.2041203	grey
0.5397735	0.8807727	0.5168258	0.0449253	0.4240558	0.1432203	0.8248242	0.8248242	lightyellow

0.4239096	0.2757084	0.706934	0.7059173	0.7393311	0.3941897	0.00028915	0.00028915	blue
0.1545807	0.06239243	0.00714263	0.3435764	0.818101	0.2549808	0.00835406	0.00835406	turquoise
0.4047408	0.0402505	2.14E-05	0.0547307	0.867829	0.5898425	0.00124871	0.00124871	brown
0.7976367	0.05848051	0.227821	0.4833244	0.5872216	0.1197262	1.03E-07	1.03E-07	blue
0.4606723	0.9867093	0.03717029	0.0383049	0.8119635	0.09672726	0.8843622	0.8843622	turquoise
0.6768441	0.2148719	0.244216	0.4290034	0.09913643	0.8729427	7.89E-06	7.89E-06	brown
0.3529907	0.00355413	0.07108505	0.5501746	0.7971502	0.5691312	1.01E-11	1.01E-11	brown
0.4539558	0.8990464	0.9511631	0.4840728	0.976528	0.590886	0.4192195	0.4192195	blue
0.1802411	0.1945617	0.00978839	0.3378054	0.8183587	0.1793702	5.10E-08	5.10E-08	brown
0.9325921	0.956363	0.654971	0.5670748	0.9075242	0.5574888	0.4651632	0.4651632	grey
0.3215367	0.3433965	0.7464868	0.0682849	0.01393589	0.1066693	0.4126442	0.4126442	grey
0.6264116	0.6143065	0.3849869	0.8756038	0.03773834	0.5406013	6.23E-05	6.23E-05	turquoise
0.08544241	0.5748214	0.6119618	0.3380544	0.4568847	0.2209809	0.2514819	0.2514819	darkgreen
0.8098868	0.01965132	0.2445552	0.2321897	0.02753591	0.05235971	0.1771345	0.1771345	grey
0.614009	0.7659615	0.1303593	0.1155398	0.6332348	0.1978632	0.1354601	0.1354601	turquoise
0.6859319	0.4014796	0.09959186	0.1300984	0.5638875	0.1000645	0.09566335	0.09566335	grey
0.2873224	0.1665741	0.1614223	0.2432932	0.5126922	0.08472105	7.56E-05	7.56E-05	turquoise
0.7084732	0.8252973	0.6166749	0.4599954	0.6646233	0.5200758	0.1322558	0.1322558	blue
0.6494722	0.3117565	0.07991328	0.174367	0.7473253	0.7868478	0.00337985	0.00337985	turquoise
0.1629494	0.9155988	0.4260556	0.6323933	0.6026278	0.2890968	0.00402271	0.00402271	turquoise
0.7394985	0.3239547	0.4181512	0.5930691	0.50675	0.06311118	0.00056809	0.00056809	blue
0.8211243	0.5115448	0.1398669	0.2983916	0.8114205	0.4438054	5.96E-07	5.96E-07	brown
0.1913737	0.901144	0.515603	0.5321871	0.7600268	0.1948081	0.7475362	0.7475362	red
0.3462605	0.06238145	0.2233688	0.0520902	0.7583409	0.09565337	0.0521498	0.0521498	grey
0.1985887	0.00653535	0.01347336	0.3562811	0.7922354	0.741105	3.52E-20	3.52E-20	brown
0.9061806	0.4795425	0.151768	0.5997636	0.9391399	0.8643822	0.1213807	0.1213807	pink
0.01880453	0.1481612	0.2591581	0.159644	0.00351914	0.05960829	0.06194101	0.06194101	turquoise
0.1911041	0.1687883	0.1921423	0.3027297	0.4200332	0.9259291	0.09028573	0.09028573	black
0.1529558	0.1451899	0.02046015	0.0219657	0.8249161	0.1213603	1.48E-05	1.48E-05	turquoise
0.2273716	0.9283108	0.2649903	0.1241166	0.9167366	0.1507445	0.05181183	0.05181183	turquoise
0.00375106	0.9375244	0.09823577	0.4335323	0.4470061	0.5091558	0.3252768	0.3252768	grey
0.4162239	0.4356799	0.03216074	0.1298782	0.2532074	0.02318195	0.1825427	0.1825427	green
0.05462791	0.3276906	0.7256226	0.4771383	0.1447908	0.8016044	0.00453174	0.00453174	grey
0.9892934	0.4628362	0.6173893	0.647858	0.9686761	0.4098414	0.1782999	0.1782999	grey
0.04142845	0.3836789	0.7406269	0.4864544	0.8485153	0.8729437	0.00180558	0.00180558	blue
0.1382642	0.1746161	0.2569134	0.0498263	0.319331	0.8541187	0.4543017	0.4543017	blue
0.0183167	0.05609841	0.1106013	0.0341268	0.5165473	0.151249	2.40E-05	2.40E-05	grey
0.134418	0.01471897	0.04036579	0.1043199	0.8103631	0.05377025	8.38E-06	8.38E-06	turquoise
0.6325067	0.5886701	0.0370399	0.568221	0.425187	0.561971	3.97E-19	3.97E-19	yellow
0.7970354	0.4366761	0.00470328	0.8108904	0.6465391	0.8956988	1.28E-09	1.28E-09	magenta
0.07170969	0.2051402	0.9388737	0.2511609	0.4378265	0.6207742	0.01641606	0.01641606	grey
0.1538397	0.8171262	0.6830325	0.1508412	0.6631515	0.4597099	0.00027553	0.00027553	blue
0.9483683	0.9521476	0.1539535	0.353027	0.8840751	0.7816174	0.4868475	0.4868475	grey
0.5332364	0.359861	0.4874479	0.7632463	0.5956922	0.3220501	3.05E-05	3.05E-05	blue
0.6465162	0.3850366	0.9573368	0.2601189	0.7128617	0.6577446	0.3059881	0.3059881	grey
0.1320323	0.9358116	0.03199955	0.6042497	0.9147254	0.5049767	0.02796243	0.02796243	grey
0.05670096	0.120003	0.7269716	0.7998198	0.5520052	0.7832343	0.1150575	0.1150575	grey
0.1707171	0.3511672	0.2610583	0.3805902	0.5381949	0.7607204	9.81E-15	9.81E-15	yellow
0.1405266	0.817554	0.1852105	0.4154483	0.6326535	0.4644613	0.5861529	0.5861529	grey
0.1265884	0.483186	0.8671907	0.696471	0.9402858	0.4308769	0.3788421	0.3788421	orange
0.1259228	0.04545615	0.390079	0.9247813	0.5018877	0.1415301	0.1026805	0.1026805	darkorange
0.1192531	0.8647101	0.1004062	0.2241368	0.5456828	0.1097378	0.6082219	0.6082219	darkgreen
0.2326467	0.9309103	0.3954549	0.225084	0.9609286	0.8498389	0.880376	0.880376	turquoise
0.349221	0.8413167	0.03988431	0.2955785	0.5817356	0.3472772	0.6534039	0.6534039	grey
0.7568249	0.5180749	0.00323386	0.2952293	0.8222633	0.3702186	3.60E-33	3.60E-33	yellow
0.7063118	0.8401699	0.01037775	0.0410805	0.8798674	0.05322251	0.6221635	0.6221635	turquoise
0.3477213	0.3364128	0.04705151	0.2792382	0.04715862	0.4379929	0.00653593	0.00653593	grey
0.302114	0.82183	0.467298	0.1448572	0.6975488	0.7247007	0.6222815	0.6222815	grey
0.3875976	0.03028698	0.00383634	0.3666996	0.7134495	0.2985242	4.39E-22	4.39E-22	brown
0.9306776	0.1565285	0.1816988	0.4579944	0.5666241	0.2664085	0.09852949	0.09852949	turquoise
0.5355134	0.2931367	0.2351554	0.5831934	0.3950467	0.9107773	2.52E-08	2.52E-08	brown

0.3730886	0.3026637	0.7407045	0.5657165	0.8859052	0.7247277	0.7618116	0.7618116	grey
0.2656353	0.9462712	0.8058641	0.7527815	0.8244202	0.8997724	0.00601673	0.00601673	grey
0.4165223	0.4291144	0.00591318	0.6200704	0.5593633	0.01344871	0.01303148	0.01303148	turquoise
0.9956599	0.5914681	0.6450824	0.1724764	0.5377312	0.7759525	0.05406661	0.05406661	turquoise
0.4274118	0.1901326	0.02364354	0.5623249	0.5426008	0.6203579	1.62E-16	1.62E-16	yellow
0.702488	0.6666473	0.00120338	0.6880292	0.6661137	0.1923362	0.03806117	0.03806117	tan
0.2098696	0.6975829	0.3927227	0.0956585	0.4174153	0.3194313	0.03633767	0.03633767	grey
0.4099019	0.6243571	0.02492733	0.9028201	0.2757602	0.0625972	0.7660567	0.7660567	turquoise
0.4810855	0.9299138	0.1238147	0.0578393	0.4019679	0.1750814	0.0120184	0.0120184	turquoise
0.8140355	0.00061689	0.0831167	0.5901675	0.8710125	0.853304	1.65E-08	1.65E-08	brown
0.2465832	0.636909	0.6437588	0.880875	0.4374309	0.3368173	0.1618526	0.1618526	orange
0.1819971	0.0764898	0.3880727	0.8121152	0.394126	0.9676242	0.0045713	0.0045713	green
0.3966646	0.2752037	0.01025401	0.8427684	0.7747504	0.8325749	0.756513	0.756513	turquoise
0.8819234	0.3100432	0.09916466	0.02693	0.1954812	0.00452467	0.01857641	0.01857641	turquoise
0.1173913	0.5979663	0.132732	0.4667131	0.607465	0.6769646	0.1285712	0.1285712	grey
0.08672881	0.0171068	0.01277466	0.9612795	0.2432276	0.2075866	6.54E-06	6.54E-06	blue
0.4731179	0.03194909	0.537562	0.4182983	0.7667786	0.9334292	8.23E-12	8.23E-12	grey
0.04928308	0.07726507	0.1773683	0.5401292	0.5312872	0.8129284	0.00015005	0.00015005	grey
0.1806882	0.6016535	0.00620606	0.0277678	0.3082691	0.06016231	4.17E-09	4.17E-09	yellow
0.5859148	0.3207302	0.8159782	0.175321	0.7262949	0.8425732	8.60E-05	8.60E-05	blue
0.5460746	0.03445524	0.3400609	0.8577002	0.6316055	0.326156	2.33E-19	2.33E-19	lightgreen
0.1000679	0.9408737	0.00307941	0.1746065	0.3826734	0.1446642	0.9188481	0.9188481	turquoise
0.8628527	0.1367635	0.00087831	0.0837377	0.7009283	0.1357682	5.23E-23	5.23E-23	yellow
0.3872621	0.4296555	0.01208735	0.3417076	0.7015217	0.1333323	0.00278357	0.00278357	darkorange
0.7808335	0.03193281	0.4068567	0.6741834	0.2491524	0.7228435	1.17E-12	1.17E-12	brown
0.7078735	0.6186289	0.1748177	0.4623102	0.2713568	0.02779505	0.07015021	0.07015021	grey
0.8125059	0.8355588	6.51E-05	0.0068984	0.4701345	0.1081896	0.00089004	0.00089004	green
0.1459586	0.1272876	0.5757807	0.897765	0.3725719	0.3145473	4.88E-07	4.88E-07	blue
0.9118449	0.02167059	0.7151553	0.881636	0.8621198	0.5201935	1.34E-08	1.34E-08	blue
0.8878278	0.02932517	0.3393246	0.7669261	0.2308596	0.8224377	1.88E-09	1.88E-09	brown
0.7122087	0.7581707	0.1151409	0.8911012	0.5242576	0.54744	0.43354	0.43354	turquoise
0.6340417	0.4204178	0.6340616	0.9472263	0.7221498	0.4989437	0.2962155	0.2962155	turquoise
0.6040483	0.3014347	0.04691063	0.3379475	0.2968665	0.5702578	0.7989866	0.7989866	grey
0.809483	0.1270685	0.2622904	0.9006603	0.03456237	0.7337155	0.1666365	0.1666365	grey
0.3785198	0.1021666	0.01816427	0.1878088	0.1922051	0.1707285	0.05471475	0.05471475	turquoise
0.8792267	0.4571827	0.0161508	0.2752802	0.8958963	0.4344233	0.06741827	0.06741827	grey
0.1560026	0.01712021	0.394603	0.0892641	0.6742985	0.243503	0.2473481	0.2473481	grey
0.02819658	0.04330693	0.1187056	0.4223703	0.9632795	0.7360607	2.34E-05	2.34E-05	grey
0.7726174	0.05123383	0.00037555	0.3645863	0.4369993	0.0163021	0.40521	0.40521	tan
0.1450567	0.564376	0.0516533	0.4240217	0.9737912	0.3913496	0.06940277	0.06940277	turquoise
0.1282043	0.8305437	0.6566453	0.4035803	0.00478267	0.450589	0.3730191	0.3730191	turquoise
0.4191836	0.9309034	0.2998602	0.5501091	0.1974067	0.8353626	0.8906528	0.8906528	grey
0.05588852	0.4436769	0.4504713	0.0534183	0.319181	0.5080104	0.5992244	0.5992244	turquoise
0.04278133	0.2137213	0.3957161	0.262834	0.723188	0.8046661	0.00917888	0.00917888	turquoise
0.07668553	0.6673797	0.3905846	0.4615618	0.4124571	0.150762	0.2258585	0.2258585	lightyellow
0.3176636	0.4374486	0.4771243	0.1587086	0.8158689	0.765601	0.5152845	0.5152845	turquoise
0.2202427	0.5589279	0.7042377	0.8815974	0.8361541	0.5922831	0.4602998	0.4602998	grey
0.4024735	0.7886677	0.00184736	0.3013742	0.5131715	0.262668	0.1387773	0.1387773	pink
0.3495409	0.5195804	0.8684781	0.1942035	0.3922341	0.9573157	0.5522189	0.5522189	grey
0.7970903	0.2389805	0.06180148	0.3735196	0.5619834	0.08786283	0.02126466	0.02126466	turquoise
0.1614287	0.2065564	0.4588577	0.1695733	0.8074665	0.1178287	0.1992941	0.1992941	grey
0.8904726	0.2304915	1.24E-05	0.2730401	0.5849671	0.1387332	8.13E-09	8.13E-09	turquoise
0.08315493	0.7792418	0.1378355	0.8243356	0.6646808	0.299125	0.03322463	0.03322463	grey
0.4458045	0.2898825	0.1014955	0.5503554	0.8841285	0.3655359	0.08428452	0.08428452	tan
0.6752794	0.00167398	0.9303559	0.4736679	0.4027281	0.2417417	0.08076618	0.08076618	grey
0.3979552	0.6816782	1.19E-05	0.0722595	0.4108678	0.2227538	0.01304791	0.01304791	turquoise
0.5233278	0.03854133	0.2209265	0.547272	0.6626363	0.6937539	1.50E-05	1.50E-05	brown
0.2933779	0.1331346	0.171686	0.7721464	0.9145182	0.06936202	5.55E-05	5.55E-05	turquoise
0.7018019	0.00279985	0.1663194	0.3611342	0.9261354	0.3021521	0.836996	0.836996	greenyellow
0.03972803	0.2778155	0.07469164	0.4792238	0.5804673	0.4511955	0.6884076	0.6884076	turquoise
0.220673	0.9970725	0.7806539	0.3462267	0.528479	0.8310803	0.00593814	0.00593814	grey

0.7436282	0.2595907	0.9900862	0.5075334	0.7815671	0.1242586	0.01220043	0.01220043	blue
0.8980838	0.00510648	0.01095807	0.1719567	0.4890391	0.2047739	8.82E-13	8.82E-13	brown
0.9365624	0.00773571	0.5107509	0.3649903	0.3210391	0.33523	4.66E-07	4.66E-07	blue
0.4461453	0.1213412	0.00210499	0.3472628	0.229388	0.9934679	1.66E-05	1.66E-05	turquoise
0.8238403	8.34E-05	0.0062192	0.1518348	0.1776409	0.7844831	1.73E-12	1.73E-12	brown
0.9606256	0.4597121	0.8224563	0.7494322	0.4286153	0.9593702	0.464345	0.464345	blue
0.8073899	0.6523888	0.05729007	0.3490927	0.5554781	0.06166003	0.3673565	0.3673565	grey
0.5964166	0.5134735	0.3253291	0.8386776	0.1089536	0.230719	0.01463781	0.01463781	turquoise
0.7289168	0.4383014	0.1828441	0.5481531	0.4737852	0.4729047	7.90E-06	7.90E-06	grey
0.2987488	0.9701577	0.339179	0.5318109	0.8475166	0.6191989	0.9109666	0.9109666	royalblue
0.7440668	0.5759996	0.04438197	0.2376238	0.6101764	0.2488014	6.48E-05	6.48E-05	green
0.4481159	0.1786512	0.3368414	0.8834694	0.01822055	0.672045	0.00035389	0.00035389	blue
0.8549564	0.04100293	0.06380667	0.2012265	0.2092794	0.2580521	1.49E-05	1.49E-05	salmon
0.00224685	0.8552062	0.8668213	0.9000978	0.6355607	0.669212	0.00729684	0.00729684	black
0.4215625	0.5887086	0.01653328	0.487904	0.8227181	0.2027385	0.00346184	0.00346184	green
0.8944154	0.04168172	0.02632661	0.3428142	0.8069465	0.2212492	4.24E-05	4.24E-05	grey
0.3760347	0.1721684	0.8086897	0.6634582	0.9834291	0.5198945	0.335101	0.335101	black
0.00147965	0.9613423	0.1403394	0.0638264	0.9951401	0.7066877	0.398923	0.398923	turquoise
0.6113525	0.05642245	0.6972868	0.8463553	0.9005771	0.6427504	0.1928707	0.1928707	turquoise
0.6095358	0.8460684	0.1652085	0.5896405	0.938193	0.4085932	0.4371696	0.4371696	turquoise
0.5438235	0.00433571	0.02282294	0.451947	0.737456	0.8377831	2.60E-11	2.60E-11	brown
0.01104264	0.00013999	0.1891071	0.0847922	0.6627233	0.6809212	6.48E-06	6.48E-06	grey
0.5674536	0.07387815	0.1299482	0.286926	0.3739499	0.01649654	0.08459538	0.08459538	grey
0.4161028	0.00427215	0.02524212	0.0920149	0.5928017	0.1361662	5.13E-05	5.13E-05	blue
0.6110945	0.3915686	0.2762448	0.6727494	0.8444926	0.5935225	0.00020492	0.00020492	blue
0.3260576	0.4846774	0.194928	0.730471	0.8618165	0.9962916	0.00883868	0.00883868	turquoise
0.3950691	0.1069952	0.2559094	0.2443787	0.8112745	0.7482849	0.09434878	0.09434878	grey
0.1066784	0.1862544	0.2052931	0.2596496	0.3640952	0.02184936	0.1257713	0.1257713	turquoise
0.5505869	0.4251647	0.7337749	0.5657264	0.7908315	0.131532	0.00505102	0.00505102	blue
0.153619	0.00285535	0.7397056	0.5516869	0.9271578	0.5431132	1.66E-08	1.66E-08	blue
0.09785461	0.4933897	0.1022944	0.7384371	0.5026099	0.4839263	0.2631129	0.2631129	blue
0.4498771	0.00065352	0.5919224	0.9977207	0.942674	0.5339467	0.7447212	0.7447212	greenyellow
0.4933949	0.06585517	0.1325037	0.4925064	0.5422932	0.8026075	3.97E-13	3.97E-13	yellow
0.3967839	0.8043847	0.0012417	0.0286693	0.9236905	0.04110474	0.9403161	0.9403161	turquoise
0.6407953	0.5993421	0.1469759	0.0384818	0.7220868	0.04004239	0.00358003	0.00358003	blue
0.6854531	0.3089977	0.06502515	0.4009875	0.5793421	0.04977882	0.00112716	0.00112716	turquoise
0.7316863	0.3396578	0.00038452	0.6516193	0.7039096	0.2563526	1.50E-34	1.50E-34	yellow
0.4608761	0.4592139	0.7287817	0.686162	0.6478234	0.9862135	0.1984115	0.1984115	grey
0.8239509	0.04246699	0.08026356	0.3712163	0.6939039	0.06702931	0.00068589	0.00068589	turquoise
0.9190102	0.8630823	0.1463007	0.8514323	0.6318541	0.876849	0.3608295	0.3608295	turquoise
0.8599903	0.1819592	0.2192098	0.9315304	0.554594	0.9504	0.1359609	0.1359609	darkturquoise
0.6210443	0.720425	5.30E-05	0.2594922	0.8223328	0.13877	0.00847342	0.00847342	pink
0.9617678	0.9268202	0.01123595	0.3287269	0.2877436	0.00683947	0.0058831	0.0058831	turquoise
0.3782429	0.9248535	0.4852621	0.091774	0.477391	0.5048594	3.53E-08	3.53E-08	turquoise
0.9588569	0.03478654	0.2543564	0.2227996	0.3529785	0.3488634	0.0036177	0.0036177	brown
0.00668606	0.5363444	0.3830598	0.2445013	0.8849107	0.2301341	0.00123327	0.00123327	turquoise
0.123772	0.4549307	0.06591923	0.004619	0.914594	0.00426354	0.2971969	0.2971969	grey
0.9389837	0.8642457	0.2480328	0.223403	0.2733204	0.1469972	0.2345945	0.2345945	grey
0.7467211	0.00349307	0.5504361	0.0981963	0.2239732	0.8958171	0.01027842	0.01027842	grey
0.126426	0.7216403	0.00351614	0.3596632	0.5360666	0.06078776	0.08547041	0.08547041	green
0.3737526	0.06547173	0.00243546	0.5172561	0.8672705	0.1718219	0.8935228	0.8935228	darkred
0.3305544	0.6832592	0.1804313	0.329601	0.7355085	0.3164035	0.04504638	0.04504638	grey
0.04810417	0.2967646	0.05064193	0.4984593	0.5246587	0.04677004	4.08E-06	4.08E-06	blue
0.903579	0.1710388	0.7043459	0.1267165	0.5379547	0.9431918	8.07E-08	8.07E-08	yellow
0.4020864	0.8546063	1.91E-05	0.0270681	0.8674983	0.3852901	0.00736544	0.00736544	magenta
0.1894956	0.4673733	0.00392532	0.1372369	0.8836592	0.01818197	0.3480142	0.3480142	turquoise
0.3169707	0.2793289	0.01506572	0.352284	0.5009885	0.03676956	0.7498255	0.7498255	blue
0.1277034	0.6011072	0.1085083	0.0758098	0.8226464	0.31161	0.5791986	0.5791986	grey
0.9072105	0.2738892	0.06494523	0.8583022	0.6834383	0.1417729	0.4290175	0.4290175	black
0.4976225	0.00346833	0.9656801	0.9721339	0.2305518	0.6929446	9.57E-06	9.57E-06	grey
0.8756253	0.01008183	0.04684325	0.2363929	0.4767153	0.4206497	1.83E-05	1.83E-05	turquoise

0.5924691	0.9012746	0.00048656	0.1182543	0.7658344	0.1774203	0.2616385	0.2616385	turquoise
0.6414312	0.1086477	0.7158528	0.1790739	0.8948728	0.6205271	0.1898489	0.1898489	blue
0.8118382	0.4161046	0.3971709	0.6866349	0.4813178	0.6443219	0.07725074	0.07725074	blue
0.8741479	0.1526192	0.4440868	0.9023701	0.6875245	0.9404674	0.00292187	0.00292187	grey
0.5061305	0.8649813	0.01220262	0.1242462	0.5932534	0.1592294	7.92E-06	7.92E-06	green
0.908308	0.6569102	0.288282	0.7864243	0.295139	0.2369169	0.08756793	0.08756793	turquoise
0.2763643	0.03724235	0.09831097	0.3644973	0.8450333	0.3671576	0.633495	0.633495	darkred
0.5424685	0.2518867	0.2873434	0.8406038	0.7725468	0.9629858	0.6302382	0.6302382	turquoise
0.5958518	0.01730225	0.04861055	0.3106862	0.8457105	0.01437474	0.02574649	0.02574649	turquoise
0.4234766	0.3861613	0.374784	0.3648669	0.3918338	0.7041336	0.6570298	0.6570298	grey
0.6133114	0.1054759	0.102443	0.1788724	0.6821096	0.372197	0.00128749	0.00128749	turquoise
0.1759358	0.00090117	0.8433924	0.5656036	0.5893716	0.1331087	0.0239077	0.0239077	grey
0.2986973	0.9821158	0.7833106	0.9378809	0.1963039	0.5914359	0.0314598	0.0314598	turquoise
0.4260017	0.3264482	0.575276	0.0346905	0.3542488	0.3578393	0.1341275	0.1341275	royalblue
0.5685395	0.2259092	0.00738242	0.4644256	0.9825812	0.04493204	0.00032495	0.00032495	turquoise
0.6473195	0.3588628	0.073413	0.7682868	0.9245248	0.06441288	0.3096744	0.3096744	turquoise
0.9440936	0.330921	0.516935	0.9939689	0.5183748	0.6957862	1.48E-05	1.48E-05	brown
0.7304209	0.7564273	0.9723979	0.9485154	0.5800269	0.1951457	0.2046136	0.2046136	cyan
0.4976424	0.5537836	0.128991	0.4013255	0.3736685	0.8796415	7.31E-06	7.31E-06	grey
0.4391779	0.00010499	0.1007142	0.0790842	0.8027495	0.2845006	7.02E-10	7.02E-10	brown
0.2526337	0.6921313	0.2133462	0.5752786	0.09680852	0.499542	0.00431132	0.00431132	grey
0.3342591	0.012175	0.00143574	0.0115106	0.3530738	0.5731621	2.11E-10	2.11E-10	brown
0.08630133	0.02972195	0.08485819	0.1155329	0.9555192	0.06748519	4.17E-09	4.17E-09	turquoise
0.3461467	0.00682384	0.00500675	0.1251371	0.3249786	0.3403819	5.11E-05	5.11E-05	turquoise
0.2058187	0.8834859	0.1168748	0.3560731	0.8646311	0.655761	0.4294814	0.4294814	turquoise
0.414447	0.3816151	0.6373591	0.7101938	0.4537669	0.6363029	0.3206766	0.3206766	grey
0.2184553	0.2490167	0.01663565	0.3110302	0.4412195	0.0879692	0.2638215	0.2638215	turquoise
0.178822	0.1999572	0.2487841	0.5175913	0.7832006	0.3727906	0.2626474	0.2626474	grey
0.8540826	0.4499914	0.6553874	0.1041922	0.7431023	0.2566034	0.01027243	0.01027243	grey
0.1965501	0.1209134	0.00283271	0.0879563	0.7087286	0.0729834	0.096976	0.096976	grey
0.2588024	0.01686067	0.1159686	0.7788096	0.2635969	0.07154652	4.13E-05	4.13E-05	blue
0.9788509	0.2448522	0.7242195	0.5428777	0.9777655	0.4117575	1.31E-05	1.31E-05	turquoise
0.9127207	0.3589182	0.310598	0.8928815	0.726655	0.9564664	0.4955437	0.4955437	grey
0.6563981	0.1572272	0.1419812	0.4146938	0.1454937	0.4812395	0.00230031	0.00230031	grey
0.2534635	0.00797063	0.06514019	0.9338282	0.8237612	0.3782548	1.51E-05	1.51E-05	turquoise
0.3964549	0.3340006	0.86759	0.4504074	0.7138493	0.3477361	0.4013792	0.4013792	grey
0.4828676	0.5543944	0.346295	0.6040118	0.3980525	0.6173501	0.2272655	0.2272655	blue
0.5499665	0.01171302	0.1332725	0.573879	0.7936059	0.3739453	3.38E-12	3.38E-12	brown
0.7975551	0.1655025	0.1941983	0.3312476	0.8725717	0.621251	0.07210697	0.07210697	grey
0.9737484	0.6724583	0.4525661	0.1213758	0.9145764	0.08045955	0.76353	0.76353	purple
0.8225491	0.3012096	0.4387076	0.3763098	0.06798571	0.1304365	0.00027183	0.00027183	turquoise
0.7753525	0.7015435	0.6992971	0.8898685	0.9965431	0.1909413	0.04677925	0.04677925	turquoise
0.1181782	0.09925565	0.1700622	0.5459814	0.820644	0.3485544	0.1053388	0.1053388	darkred
0.9067268	0.02396246	0.8689957	0.0828396	0.9391927	0.6219486	0.00228673	0.00228673	turquoise
0.5140949	0.5608859	0.9839508	0.2719366	0.8894508	0.5842906	0.1232666	0.1232666	grey
0.8654489	0.3175346	0.9833427	0.9876372	0.8897002	0.9846394	0.2034168	0.2034168	grey
0.5667258	0.2182414	0.7966418	0.1864201	0.5486248	0.5728011	0.5721058	0.5721058	black
0.8466047	0.5542504	0.00508947	0.4533159	0.3273624	0.3177035	0.2000039	0.2000039	turquoise
0.9128838	0.00670855	0.01041908	0.5555176	0.8229017	0.7946758	1.31E-17	1.31E-17	brown
0.9215365	0.7016089	0.00134354	0.110592	0.7908083	0.1001677	0.3697649	0.3697649	turquoise
0.9249741	0.3144128	0.08374341	0.8110299	0.9909538	0.3597145	0.984824	0.984824	turquoise
0.1828979	0.00140999	0.315711	0.2525428	0.8690419	0.7744659	0.00044319	0.00044319	turquoise
0.2746922	0.1737961	0.8127905	0.311136	0.5384321	0.4350536	0.3813237	0.3813237	blue
0.7585124	0.1125319	0.7364564	0.0956354	0.6439402	0.2473711	1.45E-08	1.45E-08	grey
0.8743292	0.00014488	0.00655937	0.6650082	0.8200926	0.85081	0.03524125	0.03524125	brown
0.2133009	0.6651908	0.2914934	0.5600178	0.7892655	0.258262	0.3931175	0.3931175	turquoise
0.3552121	0.03450221	0.3229893	0.5073923	0.8702129	0.8088484	2.39E-24	2.39E-24	yellow
0.5601928	0.00039163	0.1275863	0.3029577	0.3388349	0.376864	2.75E-05	2.75E-05	blue
0.9883897	0.0120624	0.02786748	0.7567884	0.562267	0.2178119	0.2621313	0.2621313	tan
0.5758834	0.8156375	0.05422072	0.4956128	0.5733273	0.3578954	0.2730989	0.2730989	black
0.2294951	0.293171	0.00301292	0.4561644	0.8502202	0.02895041	0.00484655	0.00484655	turquoise

0.8009865	0.2463366	0.02205313	0.1627185	0.6269568	0.04912784	0.05519065	0.05519065	turquoise
0.6877881	0.01182619	0.07178261	0.216291	0.5931638	0.1187028	0.02875895	0.02875895	turquoise
0.7308688	0.7064723	0.1504875	0.4154695	0.5746255	0.1803726	0.5395518	0.5395518	grey
0.4339573	0.8148068	0.08358332	0.5365443	0.6242568	0.7447721	1.52E-05	1.52E-05	magenta
0.1139107	0.579029	0.6281961	0.4936288	0.6085883	0.7775182	0.06418082	0.06418082	grey
0.2660907	0.3458166	0.2541948	0.7917574	0.7702708	0.9675125	0.0673578	0.0673578	blue
0.5052288	0.4404813	0.1915879	0.9579912	0.5294824	0.3472561	0.00057675	0.00057675	grey
0.233949	0.7408752	0.7828187	0.2794799	0.955861	0.8052922	0.7226616	0.7226616	grey
0.3496817	0.9419098	0.01638148	0.0582211	0.5835371	0.04361656	0.435836	0.435836	turquoise

Supplementary Table 4. KEGG pathways significantly involved in the yellow and brown module

ID	Description	GeneRatio	BgRatio	pvalue	p.adjust	qvalue	geneID	Count	rep("yellow", nrow(KEGG.result1))
hsa04510	Focal adhesion	34/267	199/8011	1.46E-15	3.40E-13	2.79E-13	COL6A2/Pi	34	yellow
hsa04512	ECM-receptor interaction	23/267	88/8011	5.18E-15	6.01E-13	4.93E-13	COL6A2/L	23	yellow
hsa04151	PI3K-Akt signaling pathway	43/267	354/8011	6.63E-14	5.13E-12	4.21E-12	LPAR1/CO	43	yellow
hsa04974	Protein digestion and absorption	22/267	95/8011	3.13E-13	1.82E-11	1.49E-11	ELN/COL6	22	yellow
hsa04933	AGE-RAGE signaling pathway in diabetic complications	17/267	100/8011	2.58E-08	1.20E-06	9.82E-07	FN1/NOS3	17	yellow
hsa04610	Complement and coagulation cascades	15/267	85/8011	1.04E-07	4.03E-06	3.31E-06	F2RL2/F2I	15	yellow
hsa04015	Rap1 signaling pathway	23/267	210/8011	4.41E-07	1.39E-05	1.14E-05	F2RL3/LPi	23	yellow
hsa04010	MAPK signaling pathway	28/267	295/8011	4.80E-07	1.39E-05	1.14E-05	RPS6KA2/	28	yellow
hsa05144	Malaria	11/267	50/8011	5.40E-07	1.39E-05	1.14E-05	LRP1/THB	11	yellow
hsa04926	Relaxin signaling pathway	17/267	129/8011	1.15E-06	2.67E-05	2.19E-05	ADCY4/ED	17	yellow
hsa05165	Human papillomavirus infection	29/267	330/8011	1.47E-06	3.11E-05	2.55E-05	COL6A2/L	29	yellow
hsa04014	Ras signaling pathway	23/267	232/8011	2.55E-06	4.93E-05	4.05E-05	PGF/RASG	23	yellow
hsa04072	Phospholipase D signaling pathway	17/267	148/8011	7.79E-06	0.000139	0.000114	LPAR1/AD	17	yellow
hsa04340	Hedgehog signaling pathway	9/267	50/8011	3.35E-05	0.000555	0.000456	EVC2/EVC	9	yellow
hsa05205	Proteoglycans in cancer	19/267	204/8011	4.68E-05	0.000724	0.000595	WNT2B/IC	19	yellow
hsa04020	Calcium signaling pathway	18/267	193/8011	7.30E-05	0.001058	0.000869	CAMK1D/	18	yellow
hsa05146	Amoebiasis	12/267	102/8011	0.000137	0.001869	0.001535	LAMA4/FM	12	yellow
hsa04540	Gap junction	11/267	88/8011	0.000151	0.001941	0.001594	LPAR1/AD	11	yellow
hsa05217	Basal cell carcinoma	9/267	63/8011	0.000217	0.002645	0.002173	WNT2B/G	9	yellow
hsa04611	Platelet activation	13/267	124/8011	0.000235	0.00273	0.002242	F2RL3/AD	13	yellow
hsa04514	Cell adhesion molecules (CAMs)	14/267	147/8011	0.000374	0.004128	0.00339	NLGN3/PT	14	yellow
hsa00532	Glycosaminoglycan biosynthesis - chondroitin sulfate / dermatan sulfate	5/267	20/8011	0.000407	0.004291	0.003524	CHST7/CH	5	yellow
hsa05418	Fluid shear stress and atherosclerosis	13/267	139/8011	0.000716	0.007222	0.005931	CDH5/PLA	13	yellow
hsa04022	cGMP-PKG signaling pathway	35/408	167/8011	3.60E-13	9.55E-11	7.02E-11	GUCY1A1/	35	brown
hsa05414	Dilated cardiomyopathy (DCM)	26/408	96/8011	8.35E-13	1.10E-10	8.08E-11	PRKACB/S	26	brown
hsa05410	Hypertrophic cardiomyopathy (HCM)	25/408	90/8011	1.24E-12	1.10E-10	8.08E-11	SGCB/CAC	25	brown
hsa04921	Oxytocin signaling pathway	32/408	153/8011	4.10E-12	2.72E-10	2.00E-10	GUCY1A1/	32	brown
hsa04270	Vascular smooth muscle contraction	28/408	132/8011	6.67E-11	3.54E-09	2.60E-09	GUCY1A1/	28	brown
hsa05412	Arrhythmogenic right ventricular cardiomyopathy (ARVC)	21/408	77/8011	1.20E-10	5.32E-09	3.91E-09	SGCB/TCF	21	brown
hsa04261	Adrenergic signaling in cardiomyocytes	28/408	149/8011	1.29E-09	4.90E-08	3.60E-08	PRKACB/A	28	brown
hsa04510	Focal adhesion	32/408	199/8011	4.95E-09	1.64E-07	1.20E-07	PPP1R12A	32	brown

hsa04371	Apelin signaling pathway	25/408	137/8011	1.89E-08	5.58E-07	4.10E-07	PRKACB/I' 25	brown
hsa04713	Circadian entrainment	20/408	97/8011	6.26E-08	1.66E-06	1.22E-06	GUCY1A1/ 20	brown
hsa04924	Renin secretion	16/408	69/8011	2.43E-07	5.84E-06	4.30E-06	GUCY1A1/ 16	brown
hsa04020	Calcium signaling pathway	27/408	193/8011	1.45E-06	3.20E-05	2.35E-05	PRKACB/P 27	brown
hsa05032	Morphine addiction	17/408	91/8011	2.65E-06	5.39E-05	3.96E-05	PRKACB/P 17	brown
hsa04611	Platelet activation	20/408	124/8011	3.85E-06	7.30E-05	5.36E-05	GUCY1A1/ 20	brown
hsa04024	cAMP signaling pathway	28/408	216/8011	4.27E-06	7.55E-05	5.55E-05	GLI3/PRK 28	brown
hsa04810	Regulation of actin cytoskeleton	27/408	213/8011	9.70E-06	0.000161	0.000118	FGF10/CFI 27	brown
hsa04360	Axon guidance	24/408	181/8011	1.42E-05	0.000222	0.000163	EPHA3/CF 24	brown
hsa04925	Aldosterone synthesis and secretion	16/408	98/8011	3.08E-05	0.000453	0.000333	PRKACB/I' 16	brown
hsa05205	Proteoglycans in cancer	25/408	204/8011	3.71E-05	0.000517	0.00038	PRKACB/P 25	brown
hsa04970	Salivary secretion	15/408	90/8011	4.24E-05	0.000562	0.000413	GUCY1A1/ 15	brown
hsa04927	Cortisol synthesis and secretion	12/408	65/8011	8.92E-05	0.001053	0.000774	PRKACB/P 12	brown
hsa04971	Gastric acid secretion	13/408	75/8011	9.03E-05	0.001053	0.000774	PRKACB/I' 13	brown
hsa04010	MAPK signaling pathway	31/408	295/8011	9.14E-05	0.001053	0.000774	PRKACB/F 31	brown
hsa04015	Rap1 signaling pathway	24/408	210/8011	0.000161	0.001775	0.001304	FGF10/GN 24	brown
hsa04926	Relaxin signaling pathway	17/408	129/8011	0.000274	0.002902	0.002133	PRKACB/G 17	brown
hsa04929	GnRH secretion	11/408	64/8011	0.000337	0.003436	0.002525	ITPR1/CA(11	brown
hsa04728	Dopaminergic synapse	17/408	132/8011	0.000361	0.003531	0.002595	PRKACB/I' 17	brown
hsa04260	Cardiac muscle contraction	13/408	86/8011	0.000373	0.003531	0.002595	CACNA2D1 13	brown
hsa04923	Regulation of lipolysis in adipocytes	10/408	55/8011	0.000391	0.003573	0.002626	PRKACB/G 10	brown
hsa04725	Cholinergic synapse	15/408	112/8011	0.000521	0.0046	0.003381	PRKACB/I' 15	brown
hsa04710	Circadian rhythm	7/408	31/8011	0.000765	0.006541	0.004807	PRKAB2/P 7	brown
hsa04213	Longevity regulating pathway - multiple species	10/408	62/8011	0.001046	0.008582	0.006306	PRKACB/F 10	brown
hsa05100	Bacterial invasion of epithelial cells	11/408	73/8011	0.001069	0.008582	0.006306	ARHGEF2(11	brown
hsa04514	Cell adhesion molecules (CAMs)	17/408	147/8011	0.001251	0.009751	0.007165	NLGN2/NF 17	brown
hsa04911	Insulin secretion	12/408	86/8011	0.001288	0.009751	0.007165	PRKACB/A 12	brown

Supplementary Table 5. Hub genes identified in the PPI network

node_name	MCC	DMNC	MNC	Degree	EPC	BottleNeck	EcCentricity	Closeness	Radiality	Betweenness	Stress	ClusteringCoefficient
TRIM6	1	0	1	1	8.488	1	0.10338	152.11349	7.64969	0	0	0
METTL7A	6	0.46346	3	3	4.476	1	0.10338	146.84444	7.50487	0	0	1
YPEL5	6	0.46346	3	3	4.038	1	0.10338	146.84444	7.50487	0	0	1
FLNC	1	0	1	1	16.51	1	0.1163	188.72738	8.44212	0	0	0
SNURF	1	0	1	1	6.805	1	0.10338	172.08492	8.19346	0	0	0
SH3D19	24	0.56839	4	4	39.227	1	0.10338	190.76825	8.44758	0	0	1
NFIC	1	0	1	1	4.624	1	0.10338	165.27778	8.01721	0	0	0
FAM114A2	40320	0.8164	8	8	75.749	1	0.1163	224.72024	8.93807	0	0	1
TGFB1I1	1	0	1	1	13.824	1	0.1163	181.02738	8.33555	0	0	0
SYNE1	1	0	1	1	1.995	1	0.09304	140.38532	7.35868	0	0	0
TUB	1	0	1	1	7.542	1	0.10338	159.2373	7.87785	0	0	0
NPR1	1	0	1	1	1.661	1	0.08458	114.28377	6.27113	0	0	0
TRIM3	1	0	1	1	8.507	1	0.10338	152.11349	7.64969	0	0	0
ARHGAP10	6	0.46346	3	3	16.001	1	0.10338	173.8373	8.09919	0	0	1
PDLIM7	1	0	1	1	6.701	1	0.10338	162.81825	7.98579	0	0	0
RGL1	1	0	1	1	1.636	1	0.09304	135.68651	7.19746	0	0	0
GLIPR1	7	0.46346	3	4	16.589	1	0.10338	171.99802	8.07596	137.66038	618	0.5
SMARCD3	5	0	1	5	8.992	2	0.10338	172.35635	8.12651	1641.81139	9488	0
SYDE2	6	0.46346	3	3	16.968	1	0.10338	173.8373	8.09919	0	0	1
ARSB	3	0.30779	2	3	15.072	2	0.10338	176.86587	8.13334	640.97902	4376	0.33333
THBS3	1	0	1	1	14.979	1	0.1163	186.1631	8.4107	0	0	0
DOK5	1	0	1	1	5.92	1	0.10338	162.81825	7.98579	0	0	0
TNRC6C	32	0.36588	7	7	22.343	3	0.1163	191.29167	8.44622	1129.06456	9952	0.47619
ABCA1	2	0	1	2	13.487	3	0.1163	188.21786	8.50497	687.67463	3236	0
MMP11	1	0	1	1	12.042	1	0.1163	170.53214	8.10192	0	0	0
MICAL2	1	0	1	1	2.551	1	0.10338	149.35635	7.61963	0	0	0
WTIP	1	0	1	1	1.674	1	0.09304	137.76032	7.28216	0	0	0
CYB5R3	2	0.30779	2	2	15.61	1	0.10338	176.19921	8.13061	0	0	1
THRB	1	0	1	1	14.547	1	0.1163	197.74643	8.61017	0	0	0
CACNA1H	1	0	1	1	8.684	1	0.10338	152.11349	7.64969	0	0	0
ST3GAL3	8	0.46346	3	5	16.705	3	0.1163	168.43095	7.96393	1168.84963	13072	0.4
REEP2	1	0	1	1	7.589	1	0.10338	144.89921	7.43792	0	0	0

PGM5	1	0	1	1	10.011	1	0.1163	156.275	7.73986	0	0	0
GPLD1	40320	0.8164	8	8	8.826	1	0.1163	157.5369	7.69614	0	0	1
RASIP1	1	0	1	1	1.719	1	0.09304	136.56865	7.17286	0	0	0
PMP22	1	0	1	1	13.146	1	0.1163	180.92262	8.26724	0	0	0
CYP2U1	1	0	1	1	1.089	1	0.00205	1.5	0.01228	0	0	0
THBS4	1	0	1	1	14.343	1	0.1163	186.1631	8.4107	0	0	0
NPTN	1	0	1	1	2.263	1	0.09304	136.56865	7.17286	0	0	0
SPRY1	1	0	1	1	5.836	1	0.10338	156.25516	7.76855	0	0	0
ROR1	1	0	1	1	2.733	1	0.09304	143.12937	7.42562	0	0	0
LPPR4	1	0	1	1	1.347	1	0.09304	111.70952	6.15773	0	0	0
RPS6KA2	1	0	1	1	1.101	1	0.09304	129.44127	6.99252	0	0	0
PTPRM	1	0	1	1	5.334	1	0.10338	162.22778	7.95163	0	0	0
LPPR2	1	0	1	1	1.185	1	0.09304	111.70952	6.15773	0	0	0
TCEAL7	1	0	1	1	1.082	1	0.00205	1.5	0.01228	0	0	0
PBX3	1	0	1	1	1.103	1	0.07754	102.51475	5.65358	0	0	0
STOM	40350	0.57691	11	11	54.158	5	0.1163	208.31548	8.69214	1707.35098	37844	0.61818
PRCP	6	0.46346	3	3	16.438	1	0.10338	170.54802	8.0582	0	0	1
CNN1	1	0	1	1	12.428	1	0.1163	158.125	7.83413	0	0	0
TMEM55A	1	0	1	1	6.034	1	0.10338	162.22778	7.95163	0	0	0
HSPB2	1	0	1	1	4.49	1	0.10338	161.0873	7.91884	0	0	0
DOK6	1	0	1	1	3.742	1	0.10338	162.81825	7.98579	0	0	0
DPT	1	0	1	1	12.028	1	0.1163	165.24167	7.92567	0	0	0
ITIH3	6	0.46346	3	3	1.312	1	0.00546	3	0.0091	0	0	1
RARRES2	6	0.46346	3	3	1.346	1	0.00546	3	0.0091	0	0	1
PLEKHG2	6	0.46346	3	3	15.241	1	0.10338	173.8373	8.09919	0	0	1
PYGO1	2	0.30779	2	2	1.606	1	0.09304	130.55238	6.97202	0	0	1
GPIHBP1	40320	0.8164	8	8	8.03	1	0.1163	157.5369	7.69614	0	0	1
SES3	6	0.46346	3	3	1.507	1	0.08458	100.8671	5.3612	0	0	1
ARHGAP31	6	0.46346	3	3	14.587	1	0.10338	173.8373	8.09919	0	0	1
COX7A1	1	0	1	1	1.085	1	0.00273	1	0.00819	0	0	0
COX4I2	1	0	1	1	1.085	1	0.00273	1	0.00819	0	0	0
RSPO1	2	0.30779	2	2	1.388	1	0.08458	110.86988	6.09215	0	0	1
PTPRB	40346	0.73986	9	11	49.435	2	0.1163	208.98214	8.69761	3120.49959	44964	0.56364
SLC25A4	1	0	1	1	1.094	1	0.00273	1	0.00819	0	0	0

SLC25A12	1	0	1	1	1.094	1	0.00273	1	0.00819	0	0	0
THSD7A	####	0.9963	13	13	26.912	1	0.10338	150.73968	7.36824	0	0	1
KLHL5	####	1.16463	22	22	19.298	1	0.10338	149.61944	7.20429	1.42857	20	0.96537
AP1M1	40351	0.59388	11	12	68.301	2	0.1163	218.41548	8.85336	1922.57052	24898	0.5303
DSTN	1	0	1	1	5.309	1	0.10338	163.63968	7.97759	0	0	0
GPR124	2	0.30779	2	2	28.694	1	0.1163	191.74405	8.47628	0	0	1
RSPO2	2	0.30779	2	2	1.199	1	0.08458	110.86988	6.09215	0	0	1
RSPO3	3	0.30779	2	3	3.245	3	0.09304	133.3623	7.01984	2716	15032	0.33333
PPAPDC1A	2	0.30779	2	2	1.254	1	0.09304	112.20952	6.1591	0	0	1
FBXO31	####	1.16463	22	22	19.267	1	0.10338	149.61944	7.20429	1.42857	20	0.96537
KCTD7	####	1.16463	22	22	19.68	1	0.10338	149.61944	7.20429	1.42857	20	0.96537
JDP2	1	0	1	1	10.335	1	0.1163	175.06548	8.19756	0	0	0
FBXL5	####	1.16463	22	22	19.513	1	0.10338	149.61944	7.20429	1.42857	20	0.96537
TCEAL1	2	0	1	2	1.165	3	0.00409	2	0.01432	2	2	0
TCEAL4	1	0	1	1	1.091	1	0.00205	1.5	0.01228	0	0	0
TIMP3	6	0.46346	3	3	1.306	1	0.00546	3	0.0091	0	0	1
CLEC3B	6	0.46346	3	3	1.32	1	0.00546	3	0.0091	0	0	1
GPR68	####	1.19074	22	22	144.41	5	0.1163	225.14643	8.88479	72.5424	9932	0.98701
OMD	12	0.47366	4	4	12.155	1	0.1163	156.42619	7.68658	15.58254	82	0.83333
PTX3	8	0.37893	4	4	14.311	2	0.1163	184.04405	8.36014	1199.6378	11084	0.66667
CDS2	2	0.30779	2	2	1.231	1	0.09304	112.20952	6.1591	0	0	1
LRP12	24	0.56839	4	4	33.069	1	0.10338	182.32302	8.26451	0	0	1
CD93	40344	0.73986	9	9	52.137	1	0.1163	207.31548	8.68941	905.62386	27668	0.86111
MAF	2	0.30779	2	2	9.403	1	0.10338	174.96825	8.23581	0	0	1
P2RY14	####	1.20641	22	22	144.94	1	0.1163	211.5869	8.66755	0	0	1
PDLIM4	1	0	1	1	3.404	1	0.09304	139.94008	7.25757	0	0	0
ACKR3	####	1.20641	22	22	142.34	1	0.1163	211.5869	8.66755	0	0	1
CDH6	6	0.46346	3	3	3.799	1	0.10338	148.02421	7.56088	0	0	1
FAM13B	6	0.46346	3	3	14.381	1	0.10338	173.8373	8.09919	0	0	1
LRIG1	1	0	1	1	12.89	1	0.1163	174.77976	8.19073	0	0	0
CASQ2	1	0	1	1	1.496	1	0.09304	119.92619	6.56624	0	0	0
CLDN5	1	0	1	1	2.943	1	0.10338	147.02421	7.55815	0	0	0
ZBTB16	####	1.16463	22	22	19.379	1	0.10338	149.61944	7.20429	1.42857	20	0.96537
ADAMTS8	####	0.9963	13	13	27.477	1	0.10338	150.73968	7.36824	0	0	1

ASB16	####	1.16463	22	22	20.126	1	0.10338	149.61944	7.20429	1.42857	20	0.96537
PRELP	12	0.47366	4	4	13.091	1	0.1163	156.42619	7.68658	15.58254	82	0.83333
APLNR	####	1.16218	23	23	140.96	1	0.1163	215.50357	8.7181	22.76001	640	0.94862
PDLIM5	1	0	1	1	1.647	1	0.09304	140.35794	7.2726	0	0	0
TNN	1	0	1	1	13.849	1	0.10338	165.75159	7.92021	0	0	0
SEMA6B	1	0	1	1	1.774	1	0.09304	138.99841	7.22751	0	0	0
MAP3K12	1	0	1	1	3.622	1	0.10338	161.0873	7.91884	0	0	0
CHN1	6	0.46346	3	3	15.016	1	0.10338	173.8373	8.09919	0	0	1
CHSY3	120	0.64826	5	5	36.984	1	0.1163	175.03214	8.05547	0	0	1
ACKR1	2	0.30779	2	2	10.751	1	0.10338	168.9254	8.09099	0	0	1
TTBK2	6	0.46346	3	3	7.93	1	0.1163	171.88452	8.13881	0	0	1
CC2D2A	6	0.46346	3	3	8.447	1	0.1163	171.88452	8.13881	0	0	1
MXRA8	####	1.14582	19	19	133.56	1	0.1163	221.5869	8.80145	0	0	1
SCUBE2	1	0	1	1	1.211	1	0.08458	122.03932	6.68921	0	0	0
NCALD	4	0.30779	2	4	3.466	2	0.10338	155.92421	7.71664	631.61497	2584	0.33333
SEMA5B	####	0.9963	13	14	27.631	1	0.10338	160.0004	7.59777	2900.40866	10164	0.85714
CTHRC1	1	0	1	1	2.667	1	0.09304	143.12937	7.42562	0	0	0
VLDLR	2	0	1	2	14.557	2	0.1163	198.4131	8.6129	678	8374	0
ATP2B4	1	0	1	1	1.099	1	0.08458	114.53377	6.27386	0	0	0
ISLR	####	1.1239	18	18	129.14	1	0.13292	224.3119	8.89982	0	0	1
THSD1	####	0.9963	13	13	28.198	1	0.10338	150.73968	7.36824	0	0	1
SPON2	####	0.9963	13	13	29.034	1	0.10338	150.73968	7.36824	0	0	1
GJA1	1	0	1	1	8.752	1	0.1163	164.14405	7.95983	0	0	0
TBC1D1	6	0.46346	3	3	1.554	1	0.08458	100.8671	5.3612	0	0	1
RASD2	1	0	1	1	1.083	1	0.00273	1	0.00819	0	0	0
CD248	1	0	1	1	1.083	1	0.00273	1	0.00819	0	0	0
TACR2	####	1.19074	22	22	141.12	1	0.1163	225.14643	8.88479	72.5424	9932	0.98701
GPR176	####	0.9963	13	13	99.231	1	0.10338	192.24921	8.37654	0	0	1
HECTD2	####	1.18699	21	21	19.462	1	0.10338	149.11944	7.20292	0	0	1
GPR17	####	0.94663	38	38	161.56	7	0.1163	241.36071	9.02005	802.17251	29278	0.65292
RNF217	####	1.18699	21	21	18.315	1	0.10338	149.11944	7.20292	0	0	1
NMUR1	####	0.94663	38	38	160.97	2	0.1163	241.36071	9.02005	802.17251	29278	0.65292
SFRP2	2	0.30779	2	2	3.731	1	0.09304	134.90556	7.09225	0	0	1
ARHGAP29	7	0.46346	3	4	14.792	2	0.10338	174.50397	8.10192	1360	14016	0.5

SPON1	####	0.9963	13	13	25.367	1	0.10338	150.73968	7.36824	0	0	1
PAPLN	1	0	1	1	15.047	1	0.1163	168.95357	8.05137	0	0	0
ADAMTS10	####	0.9963	13	13	28.504	1	0.10338	150.73968	7.36824	0	0	1
ARHGEF25	####	1.16682	20	20	138.03	1	0.1163	200.32262	8.47764	0	0	1
PRKD1	1	0	1	1	13.084	1	0.1163	175.98214	8.20439	0	0	0
RGMA	12	0.47366	4	4	17.11	2	0.10338	164.65159	7.88605	451.33333	8298	0.83333
TLL1	5065	0.76834	7	12	89.928	4	0.1163	189.22262	8.27817	1742.36713	85174	0.40909
ADAMTS7	####	0.9963	13	13	26.535	1	0.10338	150.73968	7.36824	0	0	1
CDH11	6	0.46346	3	3	3.414	1	0.10338	148.02421	7.56088	0	0	1
CDH13	6	0.46346	3	3	3.727	1	0.10338	148.02421	7.56088	0	0	1
CHST7	24	0.56839	4	4	33.564	1	0.1163	174.53214	8.0541	0	0	1
ARHGAP20	6	0.46346	3	3	16.605	1	0.10338	173.8373	8.09919	0	0	1
TCF4	3	0.30779	2	3	6.807	5	0.10338	167.17302	8.04044	492.27884	2992	0.33333
RBPMS	1	0	1	1	7.805	1	0.10338	165.59206	8.01038	0	0	0
QKI	40321	0.8164	8	9	76.321	2	0.1163	225.22024	8.93944	1360	8092	0.77778
AOC3	1	0	1	1	1.094	1	0.00273	1	0.00819	0	0	0
ALDH1A3	1	0	1	1	1.094	1	0.00273	1	0.00819	0	0	0
SOX17	1	0	1	1	1.106	1	0.08458	108.96392	6.04433	0	0	0
HSPA12B	6	0.46346	3	3	2.954	1	0.09304	141.38532	7.36141	0	0	1
RASGRF2	10	0.32413	5	5	19.399	3	0.10338	182.45159	8.25631	945.61162	6610	0.5
OSBPL1A	1	0	1	1	2.199	1	0.09304	146.45913	7.52126	0	0	0
RAB12	720	0.71324	6	6	2.947	1	0.09304	142.68413	7.2808	0	0	1
SEC23A	3	0.30779	2	3	11.092	3	0.1163	172.02738	8.13471	1327.65315	8382	0.33333
COPZ2	4	0.30779	2	4	3.735	1	0.10338	162.77778	7.91748	848.05993	3240	0.33333
ADAM19	1	0	1	1	1.418	1	0.09304	126.98373	6.87092	0	0	0
PHF21A	1	0	1	1	2.61	1	0.10338	148.44802	7.56908	0	0	0
LEPREL1	####	1.26073	25	25	146.04	1	0.1163	188.90357	8.20849	0	0	1
MAPT	1	0	1	1	1.317	1	0.09304	136.05556	7.18653	0	0	0
CCL11	19	0.32929	7	8	66.875	2	0.1163	213.36786	8.80691	1574.92025	15824	0.32143
HYAL2	2	0	1	2	2.761	1	0.10338	149.54444	7.58411	18.63193	106	0
RAB25	720	0.71324	6	6	3.442	1	0.09304	142.68413	7.2808	0	0	1
FBXL22	####	1.16463	22	22	19.704	1	0.10338	149.61944	7.20429	1.42857	20	0.96537
FBXL7	####	1.16463	22	22	20.017	1	0.10338	149.61944	7.20429	1.42857	20	0.96537
GPR4	####	1.19074	22	22	141.75	1	0.1163	225.14643	8.88479	72.5424	9932	0.98701

EDNRB	####	1.03788	26	26	150.83	2	0.1163	228.3131	8.90938	192.06399	13520	0.81231
ADAMTSL3	####	0.9963	13	13	27.243	1	0.10338	150.73968	7.36824	0	0	1
AVPR1A	####	1.19074	22	22	145.74	1	0.1163	225.14643	8.88479	72.5424	9932	0.98701
CILP	1	0	1	1	13.497	1	0.1163	175.98214	8.20439	0	0	0
SPSB1	####	1.16463	22	22	19.142	1	0.10338	149.61944	7.20429	1.42857	20	0.96537
CAB39L	6	0.46346	3	3	1.585	1	0.08458	100.8671	5.3612	0	0	1
ADAMTS9	####	0.9963	13	13	29.506	1	0.10338	150.73968	7.36824	0	0	1
COL4A4	####	1.05903	33	33	156.63	23	0.13292	235.97619	8.97359	2828.86943	124114	0.76515
ARHGAP22	6	0.46346	3	3	12.553	1	0.10338	173.8373	8.09919	0	0	1
DSEL	24	0.56839	4	4	38.333	1	0.1163	174.53214	8.0541	0	0	1
APBA2	2	0.30779	2	2	1.479	1	0.08458	124.1917	6.66462	0	0	1
ISL1	2	0.30779	2	2	3.535	1	0.09304	139.31508	7.29993	0	0	1
EPAS1	4	0	1	4	5.787	8	0.10338	175.39921	8.21122	6446.23542	37564	0
CITED2	2	0	1	2	3.7	1	0.10338	153.24563	7.69887	31.83333	108	0
RAB2B	720	0.71324	6	6	3.745	1	0.09304	142.68413	7.2808	0	0	1
CSGALNACT3	120	0.64826	5	5	35.977	1	0.1163	175.03214	8.05547	0	0	1
OPN1SW	2	0.30779	2	2	30.945	1	0.10338	178.74921	8.20986	0	0	1
ADAMTS12	####	0.9963	13	13	26.567	1	0.10338	150.73968	7.36824	0	0	1
LEPREL2	####	1.26073	25	25	146.41	1	0.1163	188.90357	8.20849	0	0	1
STAB1	1	0	1	1	11.777	1	0.1163	168.95357	8.05137	0	0	0
HSPA12A	6	0.46346	3	3	2.792	1	0.09304	141.38532	7.36141	0	0	1
ASPN	2	0.30779	2	2	24.672	1	0.13292	180.02857	8.2891	0	0	1
ST5	1	0	1	1	1.166	1	0.08458	116.40996	6.35447	0	0	0
COL21A1	####	1.26835	27	27	150.08	1	0.1163	189.90357	8.21122	0.62121	14	0.98006
S1PR3	####	1.13061	24	24	145.08	1	0.1163	212.5869	8.67028	28.86979	630	0.90942
STON1	####	1.02476	14	14	91.26	1	0.1163	211.45595	8.72084	0	0	1
PLCD4	2	0	1	2	6.378	1	0.10338	163.14444	7.9571	177.14593	9368	0
CCNA2	1	0	1	1	5.551	1	0.10338	165.90397	8.04727	0	0	0
EHD2	1	0	1	1	1.089	1	0.00273	1	0.00819	0	0	0
EHBP1	1	0	1	1	1.089	1	0.00273	1	0.00819	0	0	0
HTR2A	####	1.19074	22	22	142.88	1	0.1163	225.14643	8.88479	72.5424	9932	0.98701
PRSS23	####	1.14582	19	19	125.69	1	0.1163	221.5869	8.80145	0	0	1
REEP1	1	0	1	1	9.549	1	0.10338	144.89921	7.43792	0	0	0
PDE5A	2	0	1	2	3.279	2	0.09304	139.05873	7.20019	1360	15152	0

ADAMTS1	####	0.9963	13	13	28.734	1	0.10338	150.73968	7.36824	0	0	1
ADAMTSL1	####	0.9963	13	13	26.57	1	0.10338	150.73968	7.36824	0	0	1
ARHGEF37	6	0.46346	3	3	16.828	1	0.10338	173.8373	8.09919	0	0	1
BAG2	6	0.46346	3	3	2.651	1	0.09304	141.38532	7.36141	0	0	1
HSPA2	31	0.56839	4	8	13.825	5	0.10338	180.56825	8.28773	5422	54982	0.32143
HECW2	####	1.18699	21	21	19.492	1	0.10338	149.11944	7.20292	0	0	1
LYVE1	2	0	1	2	10.186	2	0.1163	175.79405	8.21532	733.65291	4264	0
CD34	4	0.30779	2	4	17.438	1	0.13292	180.12857	8.30686	306.52791	2770	0.16667
EPHA3	1	0	1	1	1.097	1	0.00273	1	0.00819	0	0	0
EPHA7	1	0	1	1	1.097	1	0.00273	1	0.00819	0	0	0
KLHL42	####	1.16463	22	22	19.824	1	0.10338	149.61944	7.20429	1.42857	20	0.96537
STBD1	26	0.56839	4	6	20.951	4	0.10338	173.26468	8.07596	4477.91993	103296	0.46667
TUBG2	2	0.30779	2	2	8.898	1	0.1163	171.38452	8.13744	0	0	1
DYNC1I1	13	0.46346	3	10	17	19	0.10338	191.52778	8.45032	7640.24185	44724	0.11111
CLIP1	2	0.30779	2	2	3.945	1	0.10338	155.67778	7.77812	0	0	1
COL10A1	####	1.26835	27	27	151.19	1	0.1163	189.90357	8.21122	0.62121	14	0.98006
ARHGEF26	6	0.46346	3	3	15.579	1	0.10338	173.8373	8.09919	0	0	1
ARHGAP24	6	0.46346	3	3	16.732	1	0.10338	173.8373	8.09919	0	0	1
FXD1	2	0.30779	2	2	1.184	1	0.00273	2.5	0.01455	0	0	1
SPARCL1	####	1.14582	19	19	131.78	1	0.1163	221.5869	8.80145	0	0	1
LGALS1	####	1.14582	19	19	135.06	1	0.1163	221.5869	8.80145	0	0	1
ARHGEF17	6	0.46346	3	3	17.057	1	0.10338	173.8373	8.09919	0	0	1
IL3RA	3	0	1	3	27.701	3	0.1163	212.21071	8.85063	2933.76155	18566	0
FGF7	720	0.71324	6	6	41.104	1	0.1163	202.54643	8.65389	0	0	1
MYO9A	8	0.37893	4	4	18.451	1	0.10338	174.50397	8.10192	80.29626	580	0.66667
MAP3K3	1	0	1	1	4.204	1	0.10338	161.0873	7.91884	0	0	0
SSPN	50	0.47549	6	6	19.621	1	0.1163	163.86786	7.88195	158.26725	1074	0.66667
ARHGEF9	7	0.46346	3	4	16.223	2	0.10338	174.50397	8.10192	1360	14016	0.5
NFATC4	1	0	1	1	3.105	1	0.10338	145.97897	7.52126	0	0	0
PPAP2A	1	0	1	1	1.129	1	0.09304	111.70952	6.15773	0	0	0
AGPAT4	6	0.30779	2	6	2.887	6	0.10338	135.97817	7.08679	6778	74808	0.06667
BDKRB1	####	0.94663	38	38	162.47	1	0.1163	241.36071	9.02005	802.17251	29278	0.65292
GTF2IRD2	1	0	1	1	1.085	1	0.00273	1	0.00819	0	0	0
GTF2IRD2B	1	0	1	1	1.085	1	0.00273	1	0.00819	0	0	0

ADH1B	1	0	1	1	1.108	1	0.08458	94.22468	5.14124	0	0	0
UBE2D4	####	1.18699	21	21	20.233	1	0.10338	149.11944	7.20292	0	0	1
PJA2	####	1.18699	21	21	19.575	1	0.10338	149.11944	7.20292	0	0	1
CAP2	6	0.46346	3	3	6.378	1	0.10338	168.84444	8.09372	0	0	1
MMRN1	####	1.1239	18	18	125.62	1	0.13292	224.3119	8.89982	0	0	1
UBE2Q2	####	1.18699	21	21	19.272	1	0.10338	149.11944	7.20292	0	0	1
PPP2R5B	5	0.30779	2	5	13.611	6	0.1163	187.72024	8.44622	2396.07566	21070	0.1
GLP2R	####	0.9963	13	13	96.804	1	0.10338	192.24921	8.37654	0	0	1
ITGA9	11	0.32413	5	6	60.867	4	0.1163	211.75357	8.77002	1461.38544	11138	0.33333
RHOQ	142	0.18067	27	29	60.174	25	0.1163	225.67976	8.81374	12119.95386	104510	0.12069
ARHGAP6	6	0.46346	3	3	18.016	1	0.10338	173.8373	8.09919	0	0	1
RAB6B	722	0.71324	6	8	10.977	10	0.10338	174.62063	8.09236	7152.51804	41742	0.53571
IL1R1	1	0	1	1	15.057	1	0.1163	197.74643	8.61017	0	0	0
XYLT1	40320	0.8164	8	8	60.656	1	0.1163	191.17976	8.37517	0	0	1
SCN7A	6	0.46346	3	3	2.749	1	0.09304	137.72937	7.19199	0	0	1
ACACB	1	0	1	1	1.174	1	0.08458	99.8671	5.35847	0	0	0
PTH1R	####	0.9963	13	13	94.289	1	0.10338	192.24921	8.37654	0	0	1
COL14A1	####	1.26835	27	27	150.73	1	0.1163	189.90357	8.21122	0.62121	14	0.98006
RIN3	1	0	1	1	1.36	1	0.08458	116.24329	6.35311	0	0	0
RAB31	721	0.71324	6	7	3.138	2	0.09304	143.18413	7.28216	1360	10576	0.71429
HSD17B6	2	0	1	2	1.208	2	0.08458	94.89134	5.14397	1360	7806	0
CYP1B1	1	0	1	1	1.101	1	0.07754	82.87918	4.21491	0	0	0
PTGER3	####	1.20641	22	22	143.16	1	0.1163	211.5869	8.66755	0	0	1
CX3CR1	####	1.20641	22	22	141.67	1	0.1163	211.5869	8.66755	0	0	1
FXVD6	2	0.30779	2	2	1.22	1	0.00273	2.5	0.01455	0	0	1
F2RL3	####	1.09458	24	24	148.34	1	0.1163	228.3131	8.91621	144.43356	13818	0.88043
ASB2	####	1.16463	22	22	19.393	1	0.10338	149.61944	7.20429	1.42857	20	0.96537
EPN2	####	1.02476	14	14	89.056	1	0.1163	211.45595	8.72084	0	0	1
CHD3	5040	0.76834	7	7	19.909	1	0.1163	181.49881	8.26041	0	0	1
INPP5A	1	0	1	1	2.405	1	0.09304	127.55754	6.84496	0	0	0
ITPKB	3	0	1	3	13.607	3	0.10338	159.94206	7.77402	1459.90888	77688	0
GPER1	####	1.16218	23	23	144.93	1	0.1163	215.50357	8.7181	22.76001	640	0.94862
LAMB2	####	0.63845	31	31	148.14	13	0.13292	238.43571	8.94354	3101.05958	40262	0.47097
PPP1R12C	4	0.30898	3	3	15.47	1	0.1163	172.61071	8.10465	308.20417	8172	0.66667

SNX18	####	1.02476	14	14	91.04	1	0.1163	211.45595	8.72084	0	0	1
USP20	1	0	1	1	14.568	1	0.10338	167.43968	8.00765	0	0	0
TTC7B	1	0	1	1	1.078	1	0.00273	1	0.00819	0	0	0
FAM126A	1	0	1	1	1.078	1	0.00273	1	0.00819	0	0	0
DMPK	1	0	1	1	1.112	1	0.08458	114.53377	6.27386	0	0	0
PLN	3	0	1	3	2.423	3	0.09304	139.7254	7.20292	2718	30302	0
EDNRA	####	1.00643	26	26	149.19	1	0.1163	228.91071	8.92168	649.49234	26432	0.78769
KAL1	2	0.30779	2	2	14.069	1	0.1163	174.9869	8.20302	0	0	1
STARD13	7	0.46346	3	4	16.764	1	0.10338	176.55635	8.14018	425.85335	1700	0.5
COL15A1	####	1.26835	27	27	148.33	1	0.1163	189.90357	8.21122	0.62121	14	0.98006
DAAM1	1	0	1	1	2.292	1	0.09304	134.23889	7.08952	0	0	0
SH3PXD2A	3	0	1	3	4.794	2	0.10338	158.10159	7.79998	1427.29504	12792	0
ADAM12	2	0	1	2	8.023	3	0.10338	159.78492	7.85326	160.43825	2438	0
DYNC2H1	25	0.56839	4	5	16.608	1	0.10338	167.21825	7.98715	207.70378	1074	0.6
LPAR1	####	0.88267	41	42	163.22	3	0.1163	250.21071	9.12115	4752.9043	66326	0.56562
KCNQ4	1	0	1	1	1.221	1	0.09304	121.7873	6.66598	0	0	0
F2RL2	####	1.12344	23	24	143.5	2	0.1163	233.09643	8.96266	3096.55596	32916	0.84058
C7	1	0	1	1	11.444	1	0.1163	164.3869	7.97213	0	0	0
RGMB	12	0.47366	4	4	15.046	1	0.10338	164.65159	7.88605	451.33333	8298	0.83333
SEMA6C	2	0	1	2	3.939	1	0.10338	157.71587	7.80544	33.0031	180	0
RHOJ	126	0.20822	23	23	36.675	5	0.1163	202.53929	8.51043	2645.04049	37028	0.16996
ARHGEF15	6	0.46346	3	3	12.709	1	0.10338	173.8373	8.09919	0	0	1
HSPB7	1	0	1	1	3.113	1	0.10338	153.68849	7.7344	0	0	0
PTGFR	####	1.19074	22	22	143.52	1	0.1163	225.14643	8.88479	72.5424	9932	0.98701
LSAMP	40320	0.8164	8	8	8.98	1	0.1163	157.5369	7.69614	0	0	1
TCF7L1	3	0.30779	2	3	1.484	2	0.09304	131.05238	6.97339	1360	8462	0.33333
TLE4	4	0.30779	2	4	6.356	4	0.10338	163.22897	7.89835	4115.80997	25612	0.16667
COL11A1	####	1.00413	34	34	156.74	21	0.1163	219.70833	8.66345	2280.55315	114804	0.71836
PTGER1	####	1.00438	25	25	145.61	1	0.1163	229.41071	8.92987	459.7871	16534	0.79667
DZIP1	6	0.46346	3	3	7.737	1	0.10338	152.75278	7.68111	0	0	1
ADCY4	####	0.74668	37	37	158.12	4	0.1163	233.81786	8.91621	2389.91424	60172	0.51952
S1PR1	####	0.96601	27	27	151.07	2	0.1163	238.56071	9.03508	3022.81758	68530	0.74644
COL5A3	####	1.03856	32	32	156.24	1	0.1163	198.73452	8.30686	509.15033	29500	0.75806
APBA1	3	0.30779	2	3	14.084	3	0.10338	171.8123	8.05683	2262.06445	21672	0.33333

RHOB	860	0.1982	24	34	74.594	12	0.1163	232.93452	8.92441	28382.04154	273362	0.11408
ROBO4	1	0	1	1	2.382	1	0.09304	134.41032	7.16877	0	0	0
TAGLN	1	0	1	1	1.107	1	0.08458	109.49131	6.10445	0	0	0
TRPC4	2	0.30779	2	2	1.972	1	0.09304	131.53175	7.01984	0	0	1
ATN1	5040	0.76834	7	7	18.402	1	0.1163	181.49881	8.26041	0	0	1
COL18A1	####	1.04133	32	32	156.71	1	0.1163	226.56786	8.78505	1265.17308	53306	0.76008
KCNH2	2	0	1	2	1.392	2	0.09304	122.45397	6.66871	1360	10266	0
KCNE4	1	0	1	1	1.095	1	0.08458	103.12226	5.73966	0	0	0
GAB1	804	0.26407	20	20	103.55	11	0.13292	243.79286	9.14848	3152.7711	44122	0.22632
TRPC6	3	0.30779	2	3	2.571	2	0.09304	132.03175	7.02121	1360	8804	0.33333
RNF24	1	0	1	1	1.094	1	0.08458	109.70916	6.09215	0	0	0
FBXO30	####	1.16463	22	22	20.122	1	0.10338	149.61944	7.20429	1.42857	20	0.96537
FBXO32	####	1.16463	22	22	19.331	1	0.10338	149.61944	7.20429	1.42857	20	0.96537
INHBA	2	0.30779	2	2	6.529	1	0.1163	145.89524	7.47754	0	0	1
PPP3CB	6	0	1	6	19.037	13	0.1163	189.76548	8.45032	4782.00155	33144	0
PPIA	1	0	1	1	2.852	1	0.10338	145.97897	7.52126	0	0	0
FBLN2	120	0.64826	5	5	11.388	1	0.09304	139.85754	7.16193	0	0	1
AOX1	3	0	1	3	1.299	4	0.09304	110.30754	6.07029	4072	23410	0
RRAS	5	0.30898	3	4	9.035	1	0.10338	168.99921	8.02268	982.26731	4702	0.33333
RGS5	2	0.30779	2	2	28.096	1	0.1163	179.12976	8.26041	0	0	1
NEGR1	40320	0.8164	8	8	9.445	1	0.1163	157.5369	7.69614	0	0	1
NTM	40320	0.8164	8	8	10.568	1	0.1163	157.5369	7.69614	0	0	1
LAMA4	5862	0.48071	15	15	101.63	1	0.13292	224.78571	8.87249	1119.7263	19018	0.45714
MFAP4	120	0.64826	5	5	9.568	1	0.09304	139.85754	7.16193	0	0	1
PLCB1	####	0.87384	27	29	149.23	4	0.1163	217.20357	8.69761	4198.0849	161724	0.58374
GFRA1	11	0.46346	3	8	48.955	4	0.1163	219.46071	8.91485	4999.77912	47070	0.10714
CAMK1D	1	0	1	1	4.184	1	0.10338	146.51786	7.49257	0	0	0
SPHK1	60	0.37904	8	10	63.483	3	0.13292	211.95714	8.77139	6286.71186	75092	0.31111
PPAP2B	5	0.30898	3	4	12.822	7	0.1163	167.61548	8.00218	8122.77175	90010	0.33333
CHRD1	####	1.14582	19	22	132.27	6	0.1163	223.42024	8.80828	6760	58072	0.75325
TAF9B	1	0	1	1	6.382	1	0.10338	159.97897	7.86692	0	0	0
COL16A1	####	1.23044	28	28	150.48	1	0.13292	210.9881	8.62793	388.07937	24010	0.93915
SOD3	1	0	1	1	1.085	1	0.00273	1	0.00819	0	0	0
GPX8	1	0	1	1	1.085	1	0.00273	1	0.00819	0	0	0

RGS2	1	0	1	1	2.62	1	0.09304	138.39206	7.19746	0	0	0
MAP1B	2	0	1	2	4.577	1	0.10338	152.31825	7.68931	2	4	0
FSTL1	####	1.14582	19	19	129.22	1	0.1163	221.5869	8.80145	0	0	1
CAMK2G	6	0.30779	2	6	10.186	3	0.10338	173.71587	8.11558	4048.82758	20770	0.13333
RAB9B	722	0.71324	6	8	2.925	3	0.09304	143.68413	7.28353	2718	21150	0.53571
DENND2A	1	0	1	1	1.22	1	0.08458	116.40996	6.35447	0	0	0
FCN3	2	0.30779	2	2	16.3	1	0.10338	163.31825	7.87922	0	0	1
LOXL3	5112	0.59858	10	10	36.974	1	0.10338	154.10278	7.47754	86.07077	5862	0.66667
ROR2	5	0.30779	2	5	17.907	3	0.10338	184.7873	8.35468	3320.89106	18430	0.1
WASF1	3	0	1	3	22.295	1	0.1163	195.8131	8.61427	268.68711	1574	0
NDST1	24	0.56839	4	4	35.206	1	0.10338	182.32302	8.26451	0	0	1
GSTM2	1	0	1	1	1.09	1	0.00273	1	0.00819	0	0	0
GSTM5	1	0	1	1	1.09	1	0.00273	1	0.00819	0	0	0
PPP1R12B	1448	0.54893	9	9	45.639	12	0.1163	188.57024	8.33009	2170.77182	36734	0.63889
UTRN	5043	0.64146	8	9	72.916	2	0.13292	214.11905	8.78778	1650.6786	21522	0.61111
NR3C2	30	0.51861	5	5	13.708	1	0.10338	181.80159	8.32325	106.31108	360	0.8
CNR1	####	1.20641	22	22	143.33	1	0.1163	211.5869	8.66755	0	0	1
GABBR1	####	1.16702	23	23	143.22	1	0.1163	212.0869	8.66892	13.73208	314	0.95257
NOTCH4	13	0.28529	6	7	24.973	5	0.1163	196.34167	8.54459	3188.05616	33602	0.28571
EDIL3	6	0.46346	3	3	41.13	1	0.1163	197.18452	8.56782	0	0	1
MDGA1	40321	0.8164	8	9	8.71	2	0.1163	161.37738	7.77129	1370.33657	15200	0.77778
ADCY9	####	0.74668	37	37	157.68	2	0.1163	233.81786	8.91621	2389.91424	60172	0.51952
HOXA3	1	0	1	1	1.503	1	0.08458	120.704	6.57717	0	0	0
CD81	2	0	1	2	14.926	2	0.10338	176.11587	8.12925	1360	12492	0
PTGFRN	1	0	1	1	1.737	1	0.09304	137.6754	7.20019	0	0	0
LTBP3	2	0.30779	2	2	26.109	1	0.13292	180.02857	8.2891	0	0	1
PLOD2	####	1.20641	22	22	141.89	1	0.1163	187.40357	8.20439	0	0	1
RAB23	722	0.71324	6	8	7.465	3	0.10338	161.82778	7.82457	4091.11557	44908	0.57143
FGF10	720	0.71324	6	6	42.247	1	0.1163	202.54643	8.65389	0	0	1
LAMB1	####	0.5494	36	37	154.37	8	0.13292	259.65952	9.19629	10090.56564	126838	0.36486
DUSP1	6	0.46346	3	3	13.26	1	0.10338	179.79683	8.2932	0	0	1
HOMER2	120	0.64826	5	5	3.371	1	0.09304	145.7877	7.36961	0	0	1
RPS6KA5	2	0	1	2	3.558	2	0.10338	161.75397	7.92157	1360	7678	0
COL4A6	####	1.1428	31	31	156.57	2	0.13292	224.7	8.80691	1020.85153	60306	0.84301

MAP1A	1	0	1	1	2.217	1	0.09304	140.35794	7.2726	0	0	0
GREM1	6	0.46346	3	3	4.707	1	0.09304	131.73968	6.96109	0	0	1
PRNP	25	0.56839	4	5	42.755	1	0.1163	188.36786	8.37517	338.24844	3970	0.6
NCAM1	728	0.71324	6	14	82.417	5	0.1163	202.27262	8.57875	6866.40688	162678	0.17582
FABP4	1	0	1	1	5.548	1	0.10338	158.2754	7.82184	0	0	0
CD36	40324	0.69213	9	11	53.106	4	0.1163	212.58929	8.75089	3254.0154	24322	0.52727
CLU	####	1.1239	18	19	126.81	2	0.13292	224.8119	8.90118	1360	10576	0.89474
TNC	####	0.79846	25	25	141.86	4	0.1163	233.6869	8.92578	1258.6225	21360	0.63333
SGIP1	####	1.02476	14	14	90.171	1	0.1163	211.45595	8.72084	0	0	1
GAS1	4	0.30898	3	3	3.768	2	0.09304	147.19365	7.53766	510.01487	5370	0.66667
DEGS1	40326	0.52601	11	11	51.73	9	0.1163	208.84881	8.69761	4191.37504	40310	0.56364
GNAL	842	0.69516	7	9	80.305	3	0.1163	189.49405	8.36697	2718.90865	60394	0.52778
ADCY5	####	0.74668	37	37	157.58	3	0.1163	233.81786	8.91621	2389.91424	60172	0.51952
JAM3	1	0	1	1	1.098	1	0.00273	1	0.00819	0	0	0
JAM2	1	0	1	1	1.098	1	0.00273	1	0.00819	0	0	0
HDAC7	5055	0.51877	10	11	27.232	3	0.1163	199.61071	8.60334	2003.65065	21782	0.47273
IGFBP7	####	1.05628	20	20	131.22	1	0.1163	229.98452	8.92851	1532.58476	14866	0.90526
CACNA2D3	2	0.30779	2	2	14.38	1	0.10338	157.77659	7.76309	0	0	1
LOXL2	5112	0.59858	10	10	35.894	2	0.10338	154.10278	7.47754	86.07077	5862	0.66667
SYT11	####	1.02476	14	14	91.83	1	0.1163	211.45595	8.72084	0	0	1
LPP	1	0	1	1	15.477	1	0.1163	178.08452	8.26041	0	0	0
EZH1	6	0.46346	3	3	4.968	1	0.10338	146.19444	7.46798	0	0	1
TNS1	5053	0.59666	9	10	74.714	3	0.13292	227.34286	8.98316	1971.2331	20242	0.55556
LMOD1	####	1.05156	15	15	100.4	1	0.13292	212.26667	8.76182	0	0	1
NRG2	6	0.46346	3	3	24.954	1	0.1163	199.34643	8.62656	0	0	1
BTC	6	0.46346	3	3	28.292	1	0.1163	199.34643	8.62656	0	0	1
KCNS3	3	0.30779	2	3	19.303	10	0.1163	189.38214	8.50223	12096	112706	0.33333
FBLN1	120	0.64826	5	5	8.648	1	0.09304	139.85754	7.16193	0	0	1
THY1	40324	0.8164	8	12	38.39	11	0.13292	201.40952	8.55825	11738.45286	133404	0.45455
SNAI1	5041	0.76834	7	8	32.566	7	0.1163	208.28452	8.73177	1571.4911	29852	0.75
SGCE	24	0.56839	4	4	14.402	1	0.1163	157.775	7.74396	0	0	1
NOTCH3	17	0.23326	8	9	10.783	2	0.10338	174.67897	8.0582	5131.18181	46002	0.22222
HEYL	2	0.30779	2	2	5.295	1	0.10338	161.94563	7.89015	0	0	1
COL12A1	####	1.26835	27	27	150.78	1	0.1163	189.90357	8.21122	0.62121	14	0.98006

PDE1B	4	0.30898	3	3	2.918	2	0.10338	147.68452	7.49667	679	10644	0.66667
ADAMTS2	####	0.9963	13	20	82.155	14	0.1163	185.4631	8.13881	14287.96976	419244	0.52105
PKD2	1	0	1	1	1.099	1	0.00273	1	0.00819	0	0	0
PKD1	1	0	1	1	1.099	1	0.00273	1	0.00819	0	0	0
CSPG4	40608	0.54053	14	14	69.802	4	0.1163	194.17976	8.38337	312.80784	5702	0.52747
AKT3	9	0.46346	3	6	50.561	3	0.13292	216.12857	8.8479	1436.971	10754	0.2
A2M	####	1.0319	19	23	131.24	26	0.13292	236.9119	9.03098	12642.43394	149454	0.62055
ITGA1	####	0.41619	45	46	161.25	62	0.15507	273.63333	9.3985	32345.97365	722904	0.2599
GNAZ	####	0.66846	18	18	123.94	1	0.13292	212.73333	8.72494	821.79696	14924	0.59477
ITGA7	44	0.43905	7	7	68.531	1	0.1163	205.50119	8.65116	32.34646	558	0.57143
UBE2E2	####	1.18699	21	21	19.501	1	0.10338	149.11944	7.20292	0	0	1
DAB2	####	1.02476	14	18	102.78	2	0.13292	224.36905	8.88889	4764.9693	35918	0.61438
SOCS5	####	0.92137	15	15	18.275	8	0.1163	166.54524	7.8191	4688.47902	74256	0.87619
CREM	4	0.30779	2	4	24.867	2	0.1163	199.95119	8.66892	1656.88718	11764	0.16667
FHL5	1	0	1	1	3.587	1	0.10338	152.47778	7.73986	0	0	0
TMOD2	5040	0.76834	7	7	42.268	1	0.1163	171.40833	8.03088	0	0	1
CNTN1	2	0.30779	2	2	1.238	1	0.08458	114.279	6.26703	0	0	1
KAT2B	46	0.2003	15	17	44.277	11	0.1163	216.49405	8.79598	15929.2082	113462	0.14706
PDE1C	2	0.30779	2	2	1.529	1	0.09304	120.59286	6.56898	0	0	1
PDE1A	4	0.30898	3	3	3.574	1	0.10338	147.68452	7.49667	679	10644	0.66667
WLS	6	0.46346	3	3	5.408	1	0.09304	133.02897	7.01574	0	0	1
MAGEH1	2	0.30779	2	2	11.03	1	0.10338	168.9254	8.09099	0	0	1
SMPD1	2	0	1	2	16.725	1	0.1163	199.37976	8.6334	706.1131	5230	0
SGMS2	3	0.30779	2	3	8.747	1	0.10338	166.31111	7.99808	108.05525	1476	0.33333
FERMT2	2	0	1	2	24.189	1	0.1163	186.31786	8.42163	5.70588	64	0
DLL4	4	0.30898	3	3	4.536	1	0.10338	152.82063	7.65652	178.06046	3564	0.66667
NEURL1B	2	0.30779	2	2	2.708	1	0.09304	136.48571	7.13051	0	0	1
MYO1C	9	0.37893	4	5	20.454	2	0.10338	180.57897	8.18663	1444.31336	10552	0.4
GKAP1	1	0	1	1	2.273	1	0.09304	138.39206	7.19746	0	0	0
RAP1A	81036	0.42958	21	21	117.54	5	0.1163	249.31071	9.20039	5572.37701	78624	0.3619
PLAT	2	0	1	2	11.15	1	0.1163	164.78095	7.96803	2.73705	38	0
LRP1	59	0.31924	10	11	82.238	3	0.1163	222.34405	8.88342	2225.87683	30972	0.29091
COL4A1	####	1.09381	32	32	154.03	1	0.13292	234.47857	8.95583	2126.06965	112924	0.79839
HOXA5	3	0	1	3	1.496	3	0.08458	122.03734	6.58264	2718	17890	0

HOXB4	1	0	1	1	1.104	1	0.07754	102.51475	5.65358	0	0	0
SHC2	3	0.30779	2	3	20.884	1	0.1163	188.62262	8.47901	32.23907	500	0.33333
SCN4B	6	0.46346	3	3	2.491	1	0.09304	137.72937	7.19199	0	0	1
GRIK5	2	0.30779	2	2	2.73	1	0.09304	142.27698	7.31086	0	0	1
FZD8	121	0.64826	5	6	15.153	4	0.10338	167.50159	7.94343	4068	22542	0.66667
AGTR1	####	0.69657	39	39	159.29	4	0.1163	249.34405	9.11705	7763.49009	73444	0.47638
LTBP1	####	0.99481	21	21	135.97	1	0.13292	225.23571	8.83697	354.61584	5188	0.8381
AMPH	####	1.02476	14	14	91.676	1	0.1163	211.45595	8.72084	0	0	1
FNBP1	####	1.02476	14	14	87.181	1	0.1163	211.45595	8.72084	0	0	1
CHST1	6	0.46346	3	3	15.047	1	0.1163	154.10238	7.64559	0	0	1
BMP1	5065	0.76834	7	12	88.631	3	0.1163	189.22262	8.27817	1742.36713	85174	0.40909
DSE	120	0.64826	5	5	38.384	1	0.1163	175.03214	8.05547	0	0	1
CHST15	120	0.64826	5	5	37.672	1	0.1163	175.03214	8.05547	0	0	1
SNX1	1	0	1	1	15.547	1	0.10338	166.8873	8.00218	0	0	0
F2R	####	0.93236	28	29	153.49	2	0.1163	231.47976	8.93124	1896.31809	39898	0.66256
SERPINH1	####	1.24323	24	24	147.18	1	0.1163	188.40357	8.20712	0	0	1
MS4A2	6	0.2842	4	4	28.864	2	0.1163	210.09643	8.78642	518.86711	5602	0.5
FCER1A	6	0.2842	4	4	30.084	1	0.1163	210.09643	8.78642	518.86711	5602	0.5
MFG8E8	####	0.96095	22	22	135.6	1	0.1163	232.35357	8.92304	726.83336	16426	0.79654
GAS6	####	0.7461	36	36	157.03	2	0.13292	245.92857	9.05694	3204.92328	40598	0.52381
PYGM	2	0	1	2	2.118	1	0.09304	125.69683	6.74932	141.57281	718	0
PHKG1	2	0	1	2	3.828	2	0.10338	148.01786	7.5117	951.50483	8770	0
RECK	40321	0.8164	8	9	9.272	1	0.1163	162.74048	7.79998	305.87096	1920	0.77778
ANXA6	1	0	1	1	1.096	1	0.00273	1	0.00819	0	0	0
DYSF	1	0	1	1	1.096	1	0.00273	1	0.00819	0	0	0
GNAO1	####	0.63868	20	20	127.21	1	0.13292	218.11667	8.78232	2228.47987	22724	0.54737
TMOD1	5040	0.76834	7	7	39.143	1	0.1163	171.40833	8.03088	0	0	1
LAMA2	5832	0.53647	13	13	88.69	1	0.13292	215.60476	8.75363	430.57851	8562	0.53846
LRRC4	1	0	1	1	2.369	1	0.10338	125.77619	6.76845	0	0	0
NTNG2	40321	0.8164	8	9	9.675	2	0.1163	158.0369	7.69751	1360	13118	0.77778
ENAH	6	0.46346	3	3	6.755	1	0.10338	168.84444	8.09372	0	0	1
ABL1	29	0.37893	4	14	46.424	26	0.1163	226.06071	8.97633	17177.59462	112756	0.13187
TEAD3	6	0.46346	3	3	7.477	1	0.1163	163.57262	7.97076	0	0	1
MITF	2	0	1	2	3.764	2	0.10338	161.75397	7.92157	1360	7678	0

TFE3	1	0	1	1	1.523	1	0.09304	129.44127	6.99252	0	0	0
PLXNA4	20	0.26242	8	10	23.256	7	0.1163	196.21786	8.54869	3835.46104	35792	0.2
PHACTR1	1	0	1	1	13.379	1	0.1163	173.34643	8.1593	0	0	0
HDAC5	5061	0.47511	11	12	26.894	5	0.1163	195.29881	8.49814	2829.00199	23490	0.42424
MEF2A	19	0.26242	8	9	22.174	9	0.1163	205.46548	8.71264	6211.53684	34004	0.25
PCOLCE	5064	0.76834	7	11	81.269	1	0.1163	178.69167	8.08006	1014.17765	70056	0.49091
PDGFC	6	0.46346	3	3	27.79	1	0.13292	187.8119	8.42572	0	0	1
WNT9A	126	0.57059	6	6	17.734	1	0.10338	167.16825	7.9407	451.33333	7506	0.8
GPC6	40392	0.62782	11	11	64.294	3	0.1163	198.66071	8.50633	102.21427	2444	0.67273
CBX6	5070	0.49207	11	11	21.105	3	0.1163	189.79167	8.3943	1464.37878	30046	0.52727
BDKRB2	####	0.90969	39	39	162.11	2	0.13292	243.20952	9.04737	1298.32503	35070	0.62213
SPOP	12	0.47366	4	4	11.212	1	0.10338	160.28373	7.8519	34.27591	1110	0.83333
LRRK2	2	0.30779	2	2	3.199	1	0.09304	118.25794	6.27796	0	0	1
WNT2B	126	0.57059	6	6	17.083	1	0.10338	167.16825	7.9407	451.33333	7506	0.8
TRPC1	3	0.30779	2	3	9.454	4	0.10338	164.38016	7.94617	4068	26400	0.33333
MAPK11	53	0.27149	11	18	37.972	17	0.1163	218.21071	8.8479	17895.87302	120628	0.10458
HDAC4	7	0.46346	3	4	9.407	1	0.10338	165.42897	7.93387	353.66959	1374	0.5
VAMP4	####	0.85255	16	17	93.975	13	0.1163	214.83929	8.7468	6147.94484	40252	0.69853
PDGFD	7	0.46346	3	4	29.533	1	0.13292	188.47857	8.42846	243.9845	4534	0.5
RSU1	2	0.30779	2	2	10.74	1	0.10338	166.9873	8.02678	0	0	1
KIT	6	0.30898	3	5	37.664	2	0.1163	211.07976	8.78642	961.49394	9820	0.2
LNPEP	6	0.46346	3	3	18.364	1	0.10338	179.4123	8.18253	0	0	1
SLC2A4	12	0.47366	4	4	21.029	1	0.10338	180.07897	8.18526	1.33333	4	0.83333
CTGF	14	0.37893	4	7	36.841	4	0.13292	201.89524	8.62383	2036.12492	21084	0.33333
PTGIS	1	0	1	1	1.101	1	0.00205	1.5	0.01228	0	0	0
PTGS1	2	0	1	2	1.178	3	0.00409	2	0.01432	2	2	0
SDC2	####	0.58194	33	33	144.01	14	0.1163	249.07738	9.11022	9094.77984	102816	0.42045
TGFBR3	12	0.47366	4	4	27.93	1	0.13292	181.82857	8.30139	3.83333	12	0.83333
KCND1	2	0	1	2	1.181	2	0.09304	122.45397	6.66871	452	10258	0
PPP1R14A	8	0.37893	4	4	19.625	1	0.10338	185.40635	8.34102	156.98448	2292	0.66667
PPP1R12A	1457	0.45814	11	12	48.777	2	0.1163	199.84643	8.51863	5863.19332	76934	0.40909
NICN1	1	0	1	1	1.083	1	0.00273	1	0.00819	0	0	0
LRRC49	1	0	1	1	1.083	1	0.00273	1	0.00819	0	0	0
ANK2	9	0.46346	3	6	11.156	6	0.10338	174.2254	8.11558	7239.09888	46362	0.26667

LIFR	1	0	1	1	2.494	1	0.10338	138.52659	7.27807	0	0	0
CTF1	2	0	1	2	13.301	2	0.1163	176.64881	8.20712	1360	9646	0
GNAI2	####	0.67027	38	38	158.83	7	0.13292	240.58333	8.99545	6791.90021	78446	0.4623
TUBA1A	10	0.37893	4	6	13.375	2	0.1163	184.12262	8.35331	633.02345	3432	0.33333
TUBB6	2	0.30779	2	2	7.435	1	0.10338	167.12778	8.04454	0	0	1
ITPR1	5052	0.67062	8	14	88.564	15	0.1163	221.16786	8.86703	15404.01636	116844	0.26374
ATP1B2	4	0.30898	3	3	1.271	1	0.00546	3	0.01637	1	2	0.66667
ATP1A2	4	0.30898	3	3	1.281	1	0.00546	3	0.01637	1	2	0.66667
KCND3	2	0	1	2	1.902	1	0.09304	122.45397	6.66871	452	10258	0
ITGA8	48	0.52304	6	6	71.554	1	0.13292	215.45238	8.82057	15.02969	390	0.73333
SGCB	48	0.58344	5	5	11.824	1	0.1163	158.275	7.74533	0.5	2	0.9
STAT5B	19	0.47366	4	10	41.891	9	0.13292	206.75952	8.68395	24234.62941	344890	0.15556
GHR	3	0.30779	2	3	22.645	35	0.1163	207.09643	8.7304	21288.67261	178058	0.33333
GNAI1	####	0.67486	39	39	156.1	3	0.13292	253.69286	9.18263	10526.34931	140920	0.46154
HGF	####	0.70372	26	27	144.26	4	0.13292	245.47619	9.11978	2842.01719	33618	0.50997
CALD1	####	1.05156	15	15	94.266	1	0.13292	212.26667	8.76182	0	0	1
PTRF	2	0	1	2	5.68	6	0.1163	160.88333	7.90928	6760	38990	0
NNMT	2	0	1	2	1.376	5	0.10338	130.31032	6.99115	5416	31200	0
MEIS1	1	0	1	1	1.493	1	0.08458	120.704	6.57717	0	0	0
PBX1	5	0	1	5	3.62	6	0.09304	149.37222	7.50623	6848.11122	44860	0
COL4A5	####	1.09381	32	32	158.38	1	0.13292	234.47857	8.95583	2126.06965	112924	0.79839
COL8A2	####	1.26835	27	27	150.37	1	0.1163	189.90357	8.21122	0.62121	14	0.98006
SGCA	24	0.56839	4	4	10.356	1	0.1163	157.775	7.74396	0	0	1
FZD1	124	0.52304	6	8	16.736	2	0.10338	171.45873	8.01858	2520.16298	19792	0.39286
PDGFRA	91	0.4296	9	10	61.168	2	0.13292	224.81905	8.95173	2944.03499	40268	0.4
PIK3R1	####	0.2984	64	73	165.5	160	0.13292	296.50952	9.53923	82419.26225	1148158	0.13394
RYR2	2	0	1	2	3.444	2	0.10338	147.18452	7.4953	1360	10648	0
MFAP2	5166	0.54298	11	11	30.756	3	0.10338	178.38492	8.08553	2835.56946	53264	0.58182
BGN	40614	0.45768	16	16	84.703	1	0.13292	207.27857	8.61017	1125.78372	19740	0.425
DCN	40827	0.31844	26	27	127.73	8	0.13292	228.88333	8.85473	7358.83642	106862	0.23077
VCAN	####	0.62148	32	33	141.34	4	0.1163	230.92024	8.84926	5628.96506	61744	0.42614
TGFB2	####	0.6268	27	27	141.46	3	0.13292	239.72619	9.05694	3916.33197	57544	0.48433
BMP6	1	0	1	1	2.157	1	0.09304	130.73968	6.95836	0	0	0
BMPR1A	13	0.47366	4	5	15.366	2	0.10338	165.15159	7.88742	1811.33333	16602	0.5

MYH10	1442	0.6123	8	8	46.571	1	0.1163	192.375	8.42572	558.50658	5230	0.75
TPM4	####	0.77378	20	20	106.42	5	0.13292	215.76667	8.77685	1518.21475	30870	0.66316
SGCD	48	0.58344	5	5	12.083	1	0.1163	158.275	7.74533	0.5	2	0.9
DMD	10179	0.38194	19	20	91.037	7	0.13292	211.00476	8.66892	8582.52004	98688	0.3
WNT2	128	0.47564	7	7	17.659	3	0.10338	167.66825	7.94207	992.42959	13588	0.61905
FZD4	####	0.74927	18	24	115.86	12	0.1163	224.1369	8.8438	15668.14212	115396	0.4058
GUCY1A2	2	0.30779	2	2	2.689	1	0.09304	138.89206	7.19882	0	0	1
AMOTL1	1	0	1	1	1.906	1	0.10338	150.54325	7.68385	0	0	0
ZYX	5054	0.51877	10	10	82.029	2	0.13292	225.30952	8.9408	783.7047	15256	0.57778
DES	5040	0.76834	7	7	44.464	1	0.1163	171.40833	8.03088	0	0	1
VIM	5040	0.76834	7	7	44.333	1	0.1163	171.40833	8.03088	0	0	1
SORBS1	####	1.05156	15	16	99.183	1	0.13292	218.31667	8.81784	1719.37276	28566	0.875
MFAP5	5166	0.54298	11	11	30.859	4	0.10338	178.38492	8.08553	2835.56946	53264	0.58182
KCNA5	1	0	1	1	1.287	1	0.09304	121.7873	6.66598	0	0	0
KCNAB1	7	0	1	7	3.56	9	0.10338	150.94563	7.59504	10813	102544	0
CYP7B1	1	0	1	1	1.089	1	0.00273	1	0.00819	0	0	0
CH25H	1	0	1	1	1.089	1	0.00273	1	0.00819	0	0	0
KCND2	2	0	1	2	1.779	1	0.09304	122.45397	6.66871	452	10258	0
KCNIP4	3	0	1	3	1.276	1	0.08458	104.45559	5.74512	3	6	0
AR	69	0.21031	15	16	72.677	8	0.1163	237.62738	9.12252	16074.62172	147478	0.175
ITGB5	####	0.50322	26	26	130.81	4	0.13292	236.31667	8.99682	3835.33546	51588	0.39385
PECAM1	24	0.32929	7	9	62.178	8	0.1163	217.0369	8.84107	3293.93571	42098	0.25
TPM2	####	0.74045	21	21	108.21	1	0.13292	217.28333	8.79052	1700.865	34812	0.62381
ACTG2	####	1.05156	15	16	101.46	2	0.13292	212.76667	8.76319	1360	10308	0.875
LOXL1	5112	0.59858	10	10	34.592	1	0.10338	154.10278	7.47754	86.07077	5862	0.66667
FBN1	####	0.80687	25	28	147.43	9	0.1163	240.80357	8.98589	13406.72058	202540	0.51587
NRP2	26	0.56839	4	6	35.586	1	0.1163	197.28214	8.57875	556.70117	8024	0.46667
KCNMB1	1	0	1	1	1.072	1	0.00273	1	0.00819	0	0	0
KCNMA1	1	0	1	1	1.072	1	0.00273	1	0.00819	0	0	0
EPM2A	4	0.30898	3	3	3.786	2	0.09304	137.32817	7.1633	655.31983	22904	0.66667
SOCS3	####	1.0135	24	25	21.11	34	0.1163	182.79405	8.10192	38525.35894	419030	0.75
LEPR	7	0.46346	3	4	3.406	10	0.10338	142.28611	7.19746	12096	185288	0.5
CFL2	1	0	1	1	6.713	1	0.10338	163.63968	7.97759	0	0	0
ACTB	21	0.32413	5	13	58.092	5	0.1163	222.03452	8.90665	7027.77104	55358	0.11538

PPP1R3C	2	0.30779	2	2	2.194	1	0.08458	114.32027	6.25884	0	0	1
GYG1	5	0.30898	3	4	3.158	1	0.09304	138.66151	7.18653	1269.04664	34294	0.33333
COL6A3	####	1.09381	32	32	156.68	1	0.13292	234.47857	8.95583	2126.06965	112924	0.79839
ITGA5	34	0.27934	10	10	87.269	1	0.1163	224.01071	8.93671	670.36773	14004	0.31111
DLG4	128	0.64826	5	12	10.716	10	0.10338	182.58016	8.20166	10309.07751	70598	0.19697
PTN	1	0	1	1	8.031	1	0.10338	152.10516	7.6087	0	0	0
SDC3	40405	0.5237	13	14	84.159	2	0.1163	202.87738	8.53776	1591.77066	18418	0.45055
EVC	120	0.64826	5	5	15.353	1	0.10338	160.78373	7.85326	0	0	1
EVC2	120	0.64826	5	5	15.914	1	0.10338	160.78373	7.85326	0	0	1
MYL6	####	0.81748	19	19	104.2	2	0.13292	221.95	8.85883	2488.43561	59850	0.71345
NID2	720	0.71324	6	6	53.188	1	0.1163	189.0131	8.36151	0	0	1
COL5A1	####	0.98668	35	35	157.83	1	0.13292	230.08333	8.8438	4285.00614	185904	0.69916
CDON	9	0.46346	3	6	13.488	5	0.10338	189.18254	8.45988	5510.13752	33602	0.26667
NR3C1	55	0.24269	13	14	52.639	38	0.1163	236.71071	9.10885	19642.5854	156172	0.20879
FKBP5	24	0.56839	4	4	12.911	1	0.10338	178.56825	8.28227	0	0	1
TPM1	####	0.70504	22	22	113.67	1	0.13292	221.93333	8.8397	2227.15799	40368	0.58442
SEMA3C	6	0.2842	4	4	11.037	1	0.10338	165.94921	7.96256	70.08554	376	0.5
PLXND1	9	0.30898	3	8	12.783	3	0.10338	179.58492	8.15657	5607.11661	33142	0.10714
FLNA	5	0.30779	2	5	27.758	5	0.1163	202.94643	8.66345	2920.76923	21118	0.2
SPARC	####	0.90437	21	23	136.01	3	0.13292	234.3119	8.98043	4263.57867	56148	0.63241
BOC	2	0.30779	2	2	1.831	1	0.08458	122.53932	6.69057	0	0	1
CNTNAP1	2	0.30779	2	2	1.23	1	0.08458	114.279	6.26703	0	0	1
NFASC	8	0.46346	3	5	2.763	3	0.09304	138.72937	7.19472	2716	17588	0.4
KCNJ8	1	0	1	1	1.092	1	0.00273	1	0.00819	0	0	0
ABCC9	1	0	1	1	1.092	1	0.00273	1	0.00819	0	0	0
FBLN5	5160	0.59858	10	10	22.426	1	0.09304	143.46468	7.18516	28.38542	654	0.66667
ENG	124	0.52304	6	8	34.356	2	0.13292	189.60238	8.40523	1290.58141	21042	0.42857
ACVRL1	122	0.52304	6	6	28.777	1	0.13292	185.93571	8.36561	618.18945	14510	0.73333
DLC1	8	0.46346	3	5	21.116	2	0.1163	187.4369	8.38337	1516.75072	10822	0.3
TENC1	1	0	1	1	2.44	1	0.10338	144.47659	7.45431	0	0	0
CFD	####	1.03861	19	19	129.15	1	0.13292	231.0119	8.9695	531.02339	9838	0.90643
NDN	2	0.30779	2	2	9.559	1	0.10338	168.9254	8.09099	0	0	1
MYH11	####	0.81748	19	19	100.68	2	0.13292	221.95	8.85883	2488.43561	59850	0.71345
ACTA2	####	1.05156	15	17	104.15	1	0.13292	219.83333	8.86429	3944.10014	41690	0.77941

OMG	2	0.30779	2	2	5.384	1	0.10338	165.77778	8.01858	0	0	1
RTN4	2	0.30779	2	2	4.992	1	0.10338	165.77778	8.01858	0	0	1
PRKG1	14	0.30898	3	12	17.123	11	0.10338	179.16587	8.12651	13956.92181	154784	0.06061
MRVI1	2	0	1	2	8.47	1	0.10338	167.68016	8.00082	623.82195	2222	0
SRF	3	0	1	3	5.917	3	0.10338	164.22063	7.95983	2780.87557	15318	0
MYOCD	2	0	1	2	1.547	2	0.09304	131.42698	7.03351	1360	7440	0
CBX7	6	0.46346	3	3	7.379	1	0.10338	146.19444	7.46798	0	0	1
PHC1	5070	0.49207	11	11	25.427	1	0.1163	189.79167	8.3943	1464.37878	30046	0.52727
PER3	2	0.30779	2	2	1.211	1	0.00409	2	0.00819	0	0	1
NDNL2	3	0.30779	2	3	12.396	2	0.10338	169.59206	8.09372	1360	20542	0.33333
EID3	1	0	1	1	2.387	1	0.09304	134.28651	7.16467	0	0	0
NOS3	38	0.36588	7	11	79.688	10	0.13292	222.24048	8.90665	6628.74204	68030	0.18182
CAV1	124	0.64826	5	9	49.969	8	0.13292	214.01905	8.82467	9204.06829	62318	0.27778
LEPRE1	####	1.26984	26	26	152.26	1	0.1163	189.40357	8.20986	0.16667	4	0.99385
CRTAP	####	1.26984	26	26	151.82	1	0.1163	189.40357	8.20986	0.16667	4	0.99385
LOX	5112	0.59858	10	10	37.607	1	0.10338	154.10278	7.47754	86.07077	5862	0.66667
ELN	5046	0.67062	8	8	30.449	1	0.10338	176.88492	8.08143	821.76217	25160	0.82143
SERPING1	####	1.1239	18	20	128.73	3	0.13292	225.47857	8.90392	1606.3277	13400	0.81053
DHH	6	0.30898	3	5	4.998	2	0.09304	150.88889	7.61826	2285.29317	20924	0.2
HHIP	7	0.46346	3	4	14.827	1	0.10338	161.11706	7.86009	1167.79833	14558	0.5
COL3A1	####	0.92924	36	36	159.05	1	0.1163	228.44167	8.75226	4002.3727	137414	0.65238
CACNA2D1	2	0.30779	2	2	14.623	1	0.10338	157.77659	7.76309	0	0	1
C4A	####	0.85227	23	23	131.56	4	0.1163	223.5869	8.80691	2510.35966	22780	0.69565
C4B	10	0.32413	5	5	28.509	1	0.10338	178.11587	8.13744	351.34993	3814	0.5
NTN1	3	0	1	3	17.633	2	0.1163	199.07976	8.61563	2038	16754	0
UNC5C	1	0	1	1	2.085	1	0.10338	151.65159	7.68658	0	0	0
LUM	4E+05	0.61467	12	16	113.13	5	0.13292	205.14762	8.57191	5705.3516	102824	0.39167
FN1	####	0.45209	55	56	167.22	15	0.13292	282.47619	9.43539	30009.0722	304174	0.26688
ADRB2	####	0.53862	32	33	140.67	3	0.1163	233.23452	8.93671	7228.0737	77398	0.36932
ARRB1	####	0.45388	29	29	135.99	1	0.1163	250.75357	9.16214	11728.44825	140402	0.34236
STX1B	6	0.46346	3	3	29.657	1	0.10338	180.53492	8.26587	0	0	1
COL6A2	####	1.09381	32	32	156.45	2	0.13292	234.47857	8.95583	2126.06965	112924	0.79839
COL6A1	####	1.04592	33	33	155.23	2	0.13292	237.64524	8.98043	2726.71662	122352	0.75568
RAMP3	####	0.9963	13	13	99.638	1	0.10338	192.24921	8.37654	0	0	1

COL5A2	####	0.98668	35	35	157.79	1	0.13292	230.08333	8.8438	4285.00614	185904	0.69916
PIP5K1C	13	0.37893	4	9	49.475	5	0.1163	218.97738	8.88069	5756.71815	77622	0.11111
NID1	726	0.62199	7	7	51.243	1	0.1163	190.0131	8.36971	7.86627	40	0.80952
HSPG2	41255	0.35513	22	25	115.84	2	0.1163	226.59405	8.85746	5704.34195	78542	0.22667
TIMP2	10	0.37893	4	6	17.768	2	0.1163	189.72738	8.43119	2192.3025	18450	0.26667
MMP14	9	0.37893	4	5	36.45	1	0.1163	195.82024	8.46535	465.27994	2924	0.4
MYL9	####	0.65804	22	22	106.82	2	0.13292	226.73333	8.90665	4811.37271	88186	0.54545
GLI3	284	0.39514	12	12	33.637	2	0.1163	197.68214	8.56235	4188.3557	63658	0.40909
CACNA1C	152	0.38186	9	11	73.668	14	0.1163	211.56548	8.69078	12242.87316	131024	0.29091
CACNB2	150	0.38186	9	9	67.167	1	0.1163	205.43214	8.6252	1956.41773	42358	0.44444
NRXN3	124	0.43905	7	7	4.143	2	0.09304	154.59365	7.59231	1049.77783	13662	0.57143
VIPR2	####	0.9963	13	13	97.911	1	0.10338	192.24921	8.37654	0	0	1
VIP	####	0.9963	13	13	93.559	1	0.10338	192.24921	8.37654	0	0	1
CDH5	10	0.46346	3	7	17.721	5	0.1163	191.53214	8.48721	5536.98447	52658	0.19048
FGF1	722	0.5854	7	7	40.874	2	0.1163	203.04643	8.65526	212.53341	2002	0.7619
NGFR	21	0.2148	9	12	40.853	9	0.1163	225.02738	8.94627	8180.563	78900	0.15152
NGF	31	0.20489	12	13	59.471	2	0.1163	229.92738	9.01458	7227.53117	92966	0.17949
NLGN2	121	0.64826	5	6	4.422	1	0.10338	151.97183	7.52536	1036.34526	10136	0.66667
PER1	2	0.30779	2	2	1.209	1	0.00409	2	0.00819	0	0	1
CRY2	2	0.30779	2	2	1.2	1	0.00409	2	0.00819	0	0	1
MAPK10	16	0.47366	4	8	29.097	6	0.1163	206.46786	8.73996	3334.5703	18808	0.25
JUN	5104	0.42792	14	26	87.202	12	0.13292	245.85	9.12662	22422.51562	211694	0.12615
NRXN2	124	0.43905	7	7	4.192	1	0.09304	154.59365	7.59231	1049.77783	13662	0.57143
NLGN3	120	0.64826	5	5	3.035	1	0.09304	145.7877	7.36961	0	0	1
TGFBR2	156	0.3733	11	11	61.172	2	0.13292	214.57857	8.78642	1269.59484	26482	0.4
PDGFRB	210	0.37162	14	14	87.958	1	0.13292	235.17857	9.05694	4256.20138	81290	0.36264
PDGFB	####	0.43861	41	43	160.23	21	0.13292	269.50952	9.33975	26651.34894	469300	0.268
CALM1	9	0.30779	2	9	26.703	9	0.1163	191.72619	8.42163	10811.91244	99388	0.02778
MYLK	####	0.85945	18	19	101.38	1	0.13292	217.75	8.81374	5105.7637	70466	0.68421
PRKAR2B	266	0.28042	15	19	79.94	21	0.13292	234.25	9.04327	13890.19873	207222	0.18713
PRKACB	273	0.24286	17	25	111.76	22	0.13292	264.62619	9.3985	41852.62334	440000	0.11333
FGF2	904	0.29957	21	21	107.46	2	0.13292	243.70952	9.13071	3837.37915	56302	0.25238
FGFR1	721	0.71324	6	7	45.779	1	0.1163	207.0631	8.71264	400.03918	5842	0.71429
NRP1	27	0.29157	8	12	44.435	3	0.1163	209.58452	8.73723	6591.50501	77134	0.19697

WWTR1	12	0.46346	3	8	20.109	4	0.1163	197.42024	8.6129	3435.94304	17562	0.17857
TEAD1	6	0.46346	3	3	6.573	1	0.1163	163.57262	7.97076	0	0	1
C1S	8	0.37893	4	4	27.061	1	0.1163	176.02738	8.13744	25.07709	574	0.66667
C1R	8	0.37893	4	4	28.977	1	0.1163	176.02738	8.13744	25.07709	574	0.66667
ACTA1	10409	0.3674	21	22	119.1	3	0.13292	242.15952	9.08836	5174.7387	58524	0.28139
GSN	4	0.30779	2	4	34.788	3	0.1163	207.5631	8.714	2666.47619	25110	0.16667
VWF	####	0.67592	29	29	148.97	9	0.13292	255.85952	9.23592	3580.7394	43136	0.50985
F8	####	1.1239	18	19	127.48	4	0.13292	225.6619	8.91621	2435.62786	16572	0.89474
ROBO1	15	0.38896	5	6	9.982	2	0.10338	177.45873	8.22625	1377.76068	11526	0.4
SLIT2	15	0.38896	5	6	8.486	2	0.10338	170.34444	8.09782	1815.43469	10734	0.4
KDR	672	0.28202	22	24	114.61	21	0.13292	257.52619	9.3015	18361.56261	202466	0.19565
TGFB3	####	0.45218	36	36	148.91	18	0.15507	255.81667	9.21679	14551.10131	187766	0.31746
TGFB1	144	0.4296	9	9	55.035	1	0.13292	210.97857	8.75499	680.7743	12302	0.5
PARK2	####	1.18699	21	23	20.186	3	0.10338	150.11944	7.20565	2716	19624	0.83399
PINK1	2	0.30779	2	2	3.176	1	0.09304	118.25794	6.27796	0	0	1
ITGAV	####	0.31641	51	51	163.33	50	0.13292	275.60952	9.36708	32942.50171	741762	0.19843
ITGB3	####	0.32983	50	51	163.5	6	0.13292	276.00952	9.37118	26336.43046	592364	0.2
COL1A1	####	0.87445	38	38	160.18	1	0.13292	238.9	8.92441	6506.27715	236752	0.60313
COL1A2	####	0.84457	39	39	160.84	1	0.13292	243.71667	8.97906	7826.08115	252906	0.5776
VAMP8	####	0.46791	28	28	114.81	14	0.1163	235.3631	8.97906	12128.41151	142362	0.35714
ACTN1	####	0.66201	28	29	146.47	2	0.13292	251.99286	9.18946	5346.07917	57064	0.47044
RAMP1	####	0.9963	13	13	96.541	1	0.10338	192.24921	8.37654	0	0	1
CALCRL	####	0.9963	13	13	98.282	1	0.10338	192.24921	8.37654	0	0	1
PGF	240	0.66569	6	6	56.029	1	0.1163	213.24405	8.82604	13.5489	454	0.93333
GUCY1B3	4	0.30898	3	3	2.139	1	0.09304	139.39206	7.20019	1	2	0.66667
GUCY1A3	2	0.30779	2	2	2.773	1	0.09304	138.89206	7.19882	0	0	1
IGFBP5	####	1.06242	20	20	132.6	1	0.1163	222.92024	8.81101	128.83001	1142	0.91053
IGF1	####	0.76064	25	28	144.34	5	0.13292	248.12619	9.13345	7050.25399	70476	0.47884
PRKAA2	49	0.4082	8	9	2.195	4	0.09304	120.4746	6.28753	3609.33333	58556	0.38889
LIMS2	2	0.30779	2	2	9.2	1	0.10338	166.9873	8.02678	0	0	1
TEK	13	0.38896	5	6	54.549	1	0.1163	219.11071	8.89162	862.5822	14286	0.4
ANGPT1	10	0.32413	5	5	46.451	1	0.1163	219.04405	8.89298	58.65692	1042	0.5
PARVA	10	0.32413	5	5	23.64	3	0.1163	178.94881	8.27134	133.44811	2826	0.5
ILK	27	0.33284	6	15	74.108	4	0.1163	227.82024	8.95447	7774.15518	103844	0.10476

RRAGB	24	0.56839	4	4	1.742	1	0.08458	101.3671	5.36257	0	0	1
RRAGA	24	0.56839	4	4	1.672	1	0.08458	101.3671	5.36257	0	0	1
GLI2	285	0.39514	12	13	32.655	4	0.1163	200.83214	8.60744	6125.84487	75408	0.34615
VAMP2	####	0.52782	23	28	114.88	8	0.1163	233.44643	8.93397	15843.99519	100272	0.30159
STX2	6	0.46346	3	3	29.059	1	0.10338	180.53492	8.26587	0	0	1
C3	####	1.16218	23	48	163.62	10	0.1163	251.30357	9.05557	21483.22335	248772	0.36791
CFH	1	0	1	1	14.264	1	0.10338	175.44921	8.12651	0	0	0
VCL	####	0.57536	28	32	137.92	7	0.13292	257.65952	9.26461	12754.67028	121392	0.33669
TLN1	####	0.45099	34	34	142.92	12	0.13292	263.97619	9.33975	15724.81207	214028	0.32264
PRKAB2	48	0.4082	8	8	2.082	2	0.09304	119.9746	6.28616	2249.33333	48788	0.5
PRKAG2	48	0.4082	8	8	2.198	3	0.09304	119.9746	6.28616	2249.33333	48788	0.5
GNB5	####	0.63909	55	55	165.57	18	0.1163	256.46071	9.13345	9646.14502	141586	0.39125
GNG7	####	0.62621	56	56	166.17	1	0.1163	257.29405	9.13755	10520.43493	160084	0.38117
DPYSL2	6	0.46346	3	3	7.907	1	0.10338	158.28254	7.81501	0	0	1
DPYSL3	6	0.46346	3	3	7.615	1	0.10338	158.28254	7.81501	0	0	1
FLT4	592	0.37055	15	17	105.39	6	0.13292	243.70952	9.13755	6853.22842	98998	0.27206
VEGFC	####	0.75644	25	25	137.15	1	0.13292	243.65952	9.11569	1786.18458	23352	0.6
FLT1	542	0.43905	12	12	76.973	1	0.1163	224.31071	8.92851	839.79434	14886	0.45455
VEGFB	####	0.87216	22	22	133.22	1	0.13292	230.14286	8.97086	540.80526	7208	0.72294
GLI1	300	0.47886	10	14	63.861	5	0.1163	208.78214	8.7181	4427.61072	66024	0.32967
SUFU	264	0.58315	8	8	29.609	2	0.1163	194.09881	8.54049	597.52794	14118	0.71429

Supplementary Table 6. The top hub genes identified by the Degree, Closeness and Betweenness

Node_name	MCC	DMNC	MNC	Degree	EPC	BottleNeck	EcCentricit	Closeness	Radiality	Betweenne	Stress	ClusteringCoefficient	
TRIM6		1	0	1	1	8.488	1	0.10338	152.1135	7.64969	0	0	0
METTL7A		6	0.46346	3	3	4.476	1	0.10338	146.8444	7.50487	0	0	1
YPEL5		6	0.46346	3	3	4.038	1	0.10338	146.8444	7.50487	0	0	1
FLNC		1	0	1	1	16.51	1	0.1163	188.7274	8.44212	0	0	0
SNURF		1	0	1	1	6.805	1	0.10338	172.0849	8.19346	0	0	0
SH3D19		24	0.56839	4	4	39.227	1	0.10338	190.7683	8.44758	0	0	1
NFIC		1	0	1	1	4.624	1	0.10338	165.2778	8.01721	0	0	0
FAM114A2	40320	0.8164		8	8	75.749	1	0.1163	224.7202	8.93807	0	0	1
TGFB1I1		1	0	1	1	13.824	1	0.1163	181.0274	8.33555	0	0	0
SYNE1		1	0	1	1	1.995	1	0.09304	140.3853	7.35868	0	0	0
TUB		1	0	1	1	7.542	1	0.10338	159.2373	7.87785	0	0	0
NPR1		1	0	1	1	1.661	1	0.08458	114.2838	6.27113	0	0	0
TRIM3		1	0	1	1	8.507	1	0.10338	152.1135	7.64969	0	0	0
ARHGAP10		6	0.46346	3	3	16.001	1	0.10338	173.8373	8.09919	0	0	1
PDLIM7		1	0	1	1	6.701	1	0.10338	162.8183	7.98579	0	0	0
RGL1		1	0	1	1	1.636	1	0.09304	135.6865	7.19746	0	0	0
GLIPR1		7	0.46346	3	4	16.589	1	0.10338	171.998	8.07596	137.6604	618	0.5
SMARCD3		5	0	1	5	8.992	2	0.10338	172.3564	8.12651	1641.811	9488	0
SYDE2		6	0.46346	3	3	16.968	1	0.10338	173.8373	8.09919	0	0	1
ARSB		3	0.30779	2	3	15.072	2	0.10338	176.8659	8.13334	640.979	4376	0.333333
THBS3		1	0	1	1	14.979	1	0.1163	186.1631	8.4107	0	0	0
DOK5		1	0	1	1	5.92	1	0.10338	162.8183	7.98579	0	0	0
TNRC6C		32	0.36588	7	7	22.343	3	0.1163	191.2917	8.44622	1129.065	9952	0.47619
ABCA1		2	0	1	2	13.487	3	0.1163	188.2179	8.50497	687.6746	3236	0
MMP11		1	0	1	1	12.042	1	0.1163	170.5321	8.10192	0	0	0
MICAL2		1	0	1	1	2.551	1	0.10338	149.3564	7.61963	0	0	0
WTIP		1	0	1	1	1.674	1	0.09304	137.7603	7.28216	0	0	0
CYB5R3		2	0.30779	2	2	15.61	1	0.10338	176.1992	8.13061	0	0	1
THRB		1	0	1	1	14.547	1	0.1163	197.7464	8.61017	0	0	0
CACNA1H		1	0	1	1	8.684	1	0.10338	152.1135	7.64969	0	0	0
ST3GAL3		8	0.46346	3	5	16.705	3	0.1163	168.431	7.96393	1168.85	13072	0.4
REEP2		1	0	1	1	7.589	1	0.10338	144.8992	7.43792	0	0	0

PGM5	1	0	1	1	10.011	1	0.1163	156.275	7.73986	0	0	0
GPLD1	40320	0.8164	8	8	8.826	1	0.1163	157.5369	7.69614	0	0	1
RASIP1	1	0	1	1	1.719	1	0.09304	136.5687	7.17286	0	0	0
PMP22	1	0	1	1	13.146	1	0.1163	180.9226	8.26724	0	0	0
CYP2U1	1	0	1	1	1.089	1	0.00205	1.5	0.01228	0	0	0
THBS4	1	0	1	1	14.343	1	0.1163	186.1631	8.4107	0	0	0
NPTN	1	0	1	1	2.263	1	0.09304	136.5687	7.17286	0	0	0
SPRY1	1	0	1	1	5.836	1	0.10338	156.2552	7.76855	0	0	0
ROR1	1	0	1	1	2.733	1	0.09304	143.1294	7.42562	0	0	0
LPPR4	1	0	1	1	1.347	1	0.09304	111.7095	6.15773	0	0	0
RPS6KA2	1	0	1	1	1.101	1	0.09304	129.4413	6.99252	0	0	0
PTPRM	1	0	1	1	5.334	1	0.10338	162.2278	7.95163	0	0	0
LPPR2	1	0	1	1	1.185	1	0.09304	111.7095	6.15773	0	0	0
TCEAL7	1	0	1	1	1.082	1	0.00205	1.5	0.01228	0	0	0
PBX3	1	0	1	1	1.103	1	0.07754	102.5148	5.65358	0	0	0
STOM	40350	0.57691	11	11	54.158	5	0.1163	208.3155	8.69214	1707.351	37844	0.61818
PRCP	6	0.46346	3	3	16.438	1	0.10338	170.548	8.0582	0	0	1
CNN1	1	0	1	1	12.428	1	0.1163	158.125	7.83413	0	0	0
TMEM55A	1	0	1	1	6.034	1	0.10338	162.2278	7.95163	0	0	0
HSPB2	1	0	1	1	4.49	1	0.10338	161.0873	7.91884	0	0	0
DOK6	1	0	1	1	3.742	1	0.10338	162.8183	7.98579	0	0	0
DPT	1	0	1	1	12.028	1	0.1163	165.2417	7.92567	0	0	0
ITIH3	6	0.46346	3	3	1.312	1	0.00546	3	0.0091	0	0	1
RARRES2	6	0.46346	3	3	1.346	1	0.00546	3	0.0091	0	0	1
PLEKHG2	6	0.46346	3	3	15.241	1	0.10338	173.8373	8.09919	0	0	1
PYGO1	2	0.30779	2	2	1.606	1	0.09304	130.5524	6.97202	0	0	1
GPIHBP1	40320	0.8164	8	8	8.03	1	0.1163	157.5369	7.69614	0	0	1
SESN3	6	0.46346	3	3	1.507	1	0.08458	100.8671	5.3612	0	0	1
ARHGAP3	6	0.46346	3	3	14.587	1	0.10338	173.8373	8.09919	0	0	1
COX7A1	1	0	1	1	1.085	1	0.00273	1	0.00819	0	0	0
COX4I2	1	0	1	1	1.085	1	0.00273	1	0.00819	0	0	0
RSPO1	2	0.30779	2	2	1.388	1	0.08458	110.8699	6.09215	0	0	1
PTPRB	40346	0.73986	9	11	49.435	2	0.1163	208.9821	8.69761	3120.5	44964	0.56364
SLC25A4	1	0	1	1	1.094	1	0.00273	1	0.00819	0	0	0

SLC25A12	1	0	1	1	1.094	1	0.00273	1	0.00819	0	0	0
THSD7A	6.23E+09	0.9963	13	13	26.912	1	0.10338	150.7397	7.36824	0	0	1
KLHL5	9.22E+13	1.16463	22	22	19.298	1	0.10338	149.6194	7.20429	1.42857	20	0.96537
AP1M1	40351	0.59388	11	12	68.301	2	0.1163	218.4155	8.85336	1922.571	24898	0.5303
DSTN	1	0	1	1	5.309	1	0.10338	163.6397	7.97759	0	0	0
GPR124	2	0.30779	2	2	28.694	1	0.1163	191.7441	8.47628	0	0	1
RSPO2	2	0.30779	2	2	1.199	1	0.08458	110.8699	6.09215	0	0	1
RSPO3	3	0.30779	2	3	3.245	3	0.09304	133.3623	7.01984	2716	15032	0.33333
PPAPDC1A	2	0.30779	2	2	1.254	1	0.09304	112.2095	6.1591	0	0	1
FBXO31	9.22E+13	1.16463	22	22	19.267	1	0.10338	149.6194	7.20429	1.42857	20	0.96537
KCTD7	9.22E+13	1.16463	22	22	19.68	1	0.10338	149.6194	7.20429	1.42857	20	0.96537
JDP2	1	0	1	1	10.335	1	0.1163	175.0655	8.19756	0	0	0
FBXL5	9.22E+13	1.16463	22	22	19.513	1	0.10338	149.6194	7.20429	1.42857	20	0.96537
TCEAL1	2	0	1	2	1.165	3	0.00409	2	0.01432	2	2	0
TCEAL4	1	0	1	1	1.091	1	0.00205	1.5	0.01228	0	0	0
TIMP3	6	0.46346	3	3	1.306	1	0.00546	3	0.0091	0	0	1
CLEC3B	6	0.46346	3	3	1.32	1	0.00546	3	0.0091	0	0	1
GPR68	9.22E+13	1.19074	22	22	144.408	5	0.1163	225.1464	8.88479	72.5424	9932	0.98701
OMD	12	0.47366	4	4	12.155	1	0.1163	156.4262	7.68658	15.58254	82	0.83333
PTX3	8	0.37893	4	4	14.311	2	0.1163	184.0441	8.36014	1199.638	11084	0.66667
CDS2	2	0.30779	2	2	1.231	1	0.09304	112.2095	6.1591	0	0	1
LRP12	24	0.56839	4	4	33.069	1	0.10338	182.323	8.26451	0	0	1
CD93	40344	0.73986	9	9	52.137	1	0.1163	207.3155	8.68941	905.6239	27668	0.86111
MAF	2	0.30779	2	2	9.403	1	0.10338	174.9683	8.23581	0	0	1
P2RY14	9.22E+13	1.20641	22	22	144.944	1	0.1163	211.5869	8.66755	0	0	1
PDLIM4	1	0	1	1	3.404	1	0.09304	139.9401	7.25757	0	0	0
ACKR3	9.22E+13	1.20641	22	22	142.337	1	0.1163	211.5869	8.66755	0	0	1
CDH6	6	0.46346	3	3	3.799	1	0.10338	148.0242	7.56088	0	0	1
FAM13B	6	0.46346	3	3	14.381	1	0.10338	173.8373	8.09919	0	0	1
LRIG1	1	0	1	1	12.89	1	0.1163	174.7798	8.19073	0	0	0
CASQ2	1	0	1	1	1.496	1	0.09304	119.9262	6.56624	0	0	0
CLDN5	1	0	1	1	2.943	1	0.10338	147.0242	7.55815	0	0	0
ZBTB16	9.22E+13	1.16463	22	22	19.379	1	0.10338	149.6194	7.20429	1.42857	20	0.96537
ADAMTS8	6.23E+09	0.9963	13	13	27.477	1	0.10338	150.7397	7.36824	0	0	1

ASB16	9.22E+13	1.16463	22	22	20.126	1	0.10338	149.6194	7.20429	1.42857	20	0.96537
PRELP	12	0.47366	4	4	13.091	1	0.1163	156.4262	7.68658	15.58254	82	0.83333
APLNR	9.22E+13	1.16218	23	23	140.963	1	0.1163	215.5036	8.7181	22.76001	640	0.94862
PDLIM5	1	0	1	1	1.647	1	0.09304	140.3579	7.2726	0	0	0
TNN	1	0	1	1	13.849	1	0.10338	165.7516	7.92021	0	0	0
SEMA6B	1	0	1	1	1.774	1	0.09304	138.9984	7.22751	0	0	0
MAP3K12	1	0	1	1	3.622	1	0.10338	161.0873	7.91884	0	0	0
CHN1	6	0.46346	3	3	15.016	1	0.10338	173.8373	8.09919	0	0	1
CHSY3	120	0.64826	5	5	36.984	1	0.1163	175.0321	8.05547	0	0	1
ACKR1	2	0.30779	2	2	10.751	1	0.10338	168.9254	8.09099	0	0	1
TTBK2	6	0.46346	3	3	7.93	1	0.1163	171.8845	8.13881	0	0	1
CC2D2A	6	0.46346	3	3	8.447	1	0.1163	171.8845	8.13881	0	0	1
MXRA8	9.22E+13	1.14582	19	19	133.564	1	0.1163	221.5869	8.80145	0	0	1
SCUBE2	1	0	1	1	1.211	1	0.08458	122.0393	6.68921	0	0	0
NCALD	4	0.30779	2	4	3.466	2	0.10338	155.9242	7.71664	631.615	2584	0.33333
SEMA5B	6.23E+09	0.9963	13	14	27.631	1	0.10338	160.0004	7.59777	2900.409	10164	0.85714
CTHRC1	1	0	1	1	2.667	1	0.09304	143.1294	7.42562	0	0	0
VLDLR	2	0	1	2	14.557	2	0.1163	198.4131	8.6129	678	8374	0
ATP2B4	1	0	1	1	1.099	1	0.08458	114.5338	6.27386	0	0	0
ISLR	9.22E+13	1.1239	18	18	129.142	1	0.13292	224.3119	8.89982	0	0	1
THSD1	6.23E+09	0.9963	13	13	28.198	1	0.10338	150.7397	7.36824	0	0	1
SPON2	6.23E+09	0.9963	13	13	29.034	1	0.10338	150.7397	7.36824	0	0	1
GJA1	1	0	1	1	8.752	1	0.1163	164.1441	7.95983	0	0	0
TBC1D1	6	0.46346	3	3	1.554	1	0.08458	100.8671	5.3612	0	0	1
RASD2	1	0	1	1	1.083	1	0.00273	1	0.00819	0	0	0
CD248	1	0	1	1	1.083	1	0.00273	1	0.00819	0	0	0
TACR2	9.22E+13	1.19074	22	22	141.118	1	0.1163	225.1464	8.88479	72.5424	9932	0.98701
GPR176	6.23E+09	0.9963	13	13	99.231	1	0.10338	192.2492	8.37654	0	0	1
HECTD2	9.22E+13	1.18699	21	21	19.462	1	0.10338	149.1194	7.20292	0	0	1
GPR17	9.22E+13	0.94663	38	38	161.555	7	0.1163	241.3607	9.02005	802.1725	29278	0.65292
RNF217	9.22E+13	1.18699	21	21	18.315	1	0.10338	149.1194	7.20292	0	0	1
NMUR1	9.22E+13	0.94663	38	38	160.967	2	0.1163	241.3607	9.02005	802.1725	29278	0.65292
SFRP2	2	0.30779	2	2	3.731	1	0.09304	134.9056	7.09225	0	0	1
ARHGAP29	7	0.46346	3	4	14.792	2	0.10338	174.504	8.10192	1360	14016	0.5

SPON1	6.23E+09	0.9963	13	13	25.367	1	0.10338	150.7397	7.36824	0	0	1
PAPLN	1	0	1	1	15.047	1	0.1163	168.9536	8.05137	0	0	0
ADAMTS10	6.23E+09	0.9963	13	13	28.504	1	0.10338	150.7397	7.36824	0	0	1
ARHGEF25	9.22E+13	1.16682	20	20	138.03	1	0.1163	200.3226	8.47764	0	0	1
PRKD1	1	0	1	1	13.084	1	0.1163	175.9821	8.20439	0	0	0
RGMA	12	0.47366	4	4	17.11	2	0.10338	164.6516	7.88605	451.3333	8298	0.83333
TLL1	5065	0.76834	7	12	89.928	4	0.1163	189.2226	8.27817	1742.367	85174	0.40909
ADAMTS7	6.23E+09	0.9963	13	13	26.535	1	0.10338	150.7397	7.36824	0	0	1
CDH11	6	0.46346	3	3	3.414	1	0.10338	148.0242	7.56088	0	0	1
CDH13	6	0.46346	3	3	3.727	1	0.10338	148.0242	7.56088	0	0	1
CHST7	24	0.56839	4	4	33.564	1	0.1163	174.5321	8.0541	0	0	1
ARHGAP20	6	0.46346	3	3	16.605	1	0.10338	173.8373	8.09919	0	0	1
TCF4	3	0.30779	2	3	6.807	5	0.10338	167.173	8.04044	492.2788	2992	0.33333
RBPMS	1	0	1	1	7.805	1	0.10338	165.5921	8.01038	0	0	0
QKI	40321	0.8164	8	9	76.321	2	0.1163	225.2202	8.93944	1360	8092	0.77778
AOC3	1	0	1	1	1.094	1	0.00273	1	0.00819	0	0	0
ALDH1A3	1	0	1	1	1.094	1	0.00273	1	0.00819	0	0	0
SOX17	1	0	1	1	1.106	1	0.08458	108.9639	6.04433	0	0	0
HSPA12B	6	0.46346	3	3	2.954	1	0.09304	141.3853	7.36141	0	0	1
RASGRF2	10	0.32413	5	5	19.399	3	0.10338	182.4516	8.25631	945.6116	6610	0.5
OSBPL1A	1	0	1	1	2.199	1	0.09304	146.4591	7.52126	0	0	0
RAB12	720	0.71324	6	6	2.947	1	0.09304	142.6841	7.2808	0	0	1
SEC23A	3	0.30779	2	3	11.092	3	0.1163	172.0274	8.13471	1327.653	8382	0.33333
COPZ2	4	0.30779	2	4	3.735	1	0.10338	162.7778	7.91748	848.0599	3240	0.33333
ADAM19	1	0	1	1	1.418	1	0.09304	126.9837	6.87092	0	0	0
PHF21A	1	0	1	1	2.61	1	0.10338	148.448	7.56908	0	0	0
LEPREL1	9.22E+13	1.26073	25	25	146.037	1	0.1163	188.9036	8.20849	0	0	1
MAPT	1	0	1	1	1.317	1	0.09304	136.0556	7.18653	0	0	0
CCL11	19	0.32929	7	8	66.875	2	0.1163	213.3679	8.80691	1574.92	15824	0.32143
HYAL2	2	0	1	2	2.761	1	0.10338	149.5444	7.58411	18.63193	106	0
RAB25	720	0.71324	6	6	3.442	1	0.09304	142.6841	7.2808	0	0	1
FBXL22	9.22E+13	1.16463	22	22	19.704	1	0.10338	149.6194	7.20429	1.42857	20	0.96537
FBXL7	9.22E+13	1.16463	22	22	20.017	1	0.10338	149.6194	7.20429	1.42857	20	0.96537
GPR4	9.22E+13	1.19074	22	22	141.745	1	0.1163	225.1464	8.88479	72.5424	9932	0.98701

EDNRB	9.22E+13	1.03788	26	26	150.831	2	0.1163	228.3131	8.90938	192.064	13520	0.81231
ADAMTSL	6.23E+09	0.9963	13	13	27.243	1	0.10338	150.7397	7.36824	0	0	1
AVPR1A	9.22E+13	1.19074	22	22	145.74	1	0.1163	225.1464	8.88479	72.5424	9932	0.98701
CILP	1	0	1	1	13.497	1	0.1163	175.9821	8.20439	0	0	0
SPSB1	9.22E+13	1.16463	22	22	19.142	1	0.10338	149.6194	7.20429	1.42857	20	0.96537
CAB39L	6	0.46346	3	3	1.585	1	0.08458	100.8671	5.3612	0	0	1
ADAMTS9	6.23E+09	0.9963	13	13	29.506	1	0.10338	150.7397	7.36824	0	0	1
COL4A4	9.22E+13	1.05903	33	33	156.627	23	0.13292	235.9762	8.97359	2828.869	124114	0.76515
ARHGAP2	6	0.46346	3	3	12.553	1	0.10338	173.8373	8.09919	0	0	1
DSEL	24	0.56839	4	4	38.333	1	0.1163	174.5321	8.0541	0	0	1
APBA2	2	0.30779	2	2	1.479	1	0.08458	124.1917	6.66462	0	0	1
ISL1	2	0.30779	2	2	3.535	1	0.09304	139.3151	7.29993	0	0	1
EPAS1	4	0	1	4	5.787	8	0.10338	175.3992	8.21122	6446.235	37564	0
CITED2	2	0	1	2	3.7	1	0.10338	153.2456	7.69887	31.83333	108	0
RAB2B	720	0.71324	6	6	3.745	1	0.09304	142.6841	7.2808	0	0	1
CSGALNAC	120	0.64826	5	5	35.977	1	0.1163	175.0321	8.05547	0	0	1
OPN1SW	2	0.30779	2	2	30.945	1	0.10338	178.7492	8.20986	0	0	1
ADAMTS1	6.23E+09	0.9963	13	13	26.567	1	0.10338	150.7397	7.36824	0	0	1
LEPREL2	9.22E+13	1.26073	25	25	146.405	1	0.1163	188.9036	8.20849	0	0	1
STAB1	1	0	1	1	11.777	1	0.1163	168.9536	8.05137	0	0	0
HSPA12A	6	0.46346	3	3	2.792	1	0.09304	141.3853	7.36141	0	0	1
ASPN	2	0.30779	2	2	24.672	1	0.13292	180.0286	8.2891	0	0	1
ST5	1	0	1	1	1.166	1	0.08458	116.41	6.35447	0	0	0
COL21A1	9.22E+13	1.26835	27	27	150.077	1	0.1163	189.9036	8.21122	0.62121	14	0.98006
S1PR3	9.22E+13	1.13061	24	24	145.081	1	0.1163	212.5869	8.67028	28.86979	630	0.90942
STON1	8.72E+10	1.02476	14	14	91.26	1	0.1163	211.456	8.72084	0	0	1
PLCD4	2	0	1	2	6.378	1	0.10338	163.1444	7.9571	177.1459	9368	0
CCNA2	1	0	1	1	5.551	1	0.10338	165.904	8.04727	0	0	0
EHD2	1	0	1	1	1.089	1	0.00273	1	0.00819	0	0	0
EHBP1	1	0	1	1	1.089	1	0.00273	1	0.00819	0	0	0
HTR2A	9.22E+13	1.19074	22	22	142.884	1	0.1163	225.1464	8.88479	72.5424	9932	0.98701
PRSS23	9.22E+13	1.14582	19	19	125.689	1	0.1163	221.5869	8.80145	0	0	1
REEP1	1	0	1	1	9.549	1	0.10338	144.8992	7.43792	0	0	0
PDE5A	2	0	1	2	3.279	2	0.09304	139.0587	7.20019	1360	15152	0

ADAMTS1	6.23E+09	0.9963	13	13	28.734	1	0.10338	150.7397	7.36824	0	0	1
ADAMTSL	6.23E+09	0.9963	13	13	26.57	1	0.10338	150.7397	7.36824	0	0	1
ARHGEF37	6	0.46346	3	3	16.828	1	0.10338	173.8373	8.09919	0	0	1
BAG2	6	0.46346	3	3	2.651	1	0.09304	141.3853	7.36141	0	0	1
HSPA2	31	0.56839	4	8	13.825	5	0.10338	180.5683	8.28773	5422	54982	0.32143
HECW2	9.22E+13	1.18699	21	21	19.492	1	0.10338	149.1194	7.20292	0	0	1
LYVE1	2	0	1	2	10.186	2	0.1163	175.7941	8.21532	733.6529	4264	0
CD34	4	0.30779	2	4	17.438	1	0.13292	180.1286	8.30686	306.5279	2770	0.16667
EPHA3	1	0	1	1	1.097	1	0.00273	1	0.00819	0	0	0
EPHA7	1	0	1	1	1.097	1	0.00273	1	0.00819	0	0	0
KLHL42	9.22E+13	1.16463	22	22	19.824	1	0.10338	149.6194	7.20429	1.42857	20	0.96537
STBD1	26	0.56839	4	6	20.951	4	0.10338	173.2647	8.07596	4477.92	103296	0.46667
TUBG2	2	0.30779	2	2	8.898	1	0.1163	171.3845	8.13744	0	0	1
DYNC1I1	13	0.46346	3	10	17	19	0.10338	191.5278	8.45032	7640.242	44724	0.11111
CLIP1	2	0.30779	2	2	3.945	1	0.10338	155.6778	7.77812	0	0	1
COL10A1	9.22E+13	1.26835	27	27	151.192	1	0.1163	189.9036	8.21122	0.62121	14	0.98006
ARHGEF26	6	0.46346	3	3	15.579	1	0.10338	173.8373	8.09919	0	0	1
ARHGAP24	6	0.46346	3	3	16.732	1	0.10338	173.8373	8.09919	0	0	1
FXD1	2	0.30779	2	2	1.184	1	0.00273	2.5	0.01455	0	0	1
SPARCL1	9.22E+13	1.14582	19	19	131.78	1	0.1163	221.5869	8.80145	0	0	1
LGALS1	9.22E+13	1.14582	19	19	135.061	1	0.1163	221.5869	8.80145	0	0	1
ARHGEF17	6	0.46346	3	3	17.057	1	0.10338	173.8373	8.09919	0	0	1
IL3RA	3	0	1	3	27.701	3	0.1163	212.2107	8.85063	2933.762	18566	0
FGF7	720	0.71324	6	6	41.104	1	0.1163	202.5464	8.65389	0	0	1
MYO9A	8	0.37893	4	4	18.451	1	0.10338	174.504	8.10192	80.29626	580	0.66667
MAP3K3	1	0	1	1	4.204	1	0.10338	161.0873	7.91884	0	0	0
SSPN	50	0.47549	6	6	19.621	1	0.1163	163.8679	7.88195	158.2673	1074	0.66667
ARHGEF9	7	0.46346	3	4	16.223	2	0.10338	174.504	8.10192	1360	14016	0.5
NFATC4	1	0	1	1	3.105	1	0.10338	145.979	7.52126	0	0	0
PPAP2A	1	0	1	1	1.129	1	0.09304	111.7095	6.15773	0	0	0
AGPAT4	6	0.30779	2	6	2.887	6	0.10338	135.9782	7.08679	6778	74808	0.06667
BDKRB1	9.22E+13	0.94663	38	38	162.466	1	0.1163	241.3607	9.02005	802.1725	29278	0.65292
GTF2IRD2	1	0	1	1	1.085	1	0.00273	1	0.00819	0	0	0
GTF2IRD2	1	0	1	1	1.085	1	0.00273	1	0.00819	0	0	0

ADH1B	1	0	1	1	1.108	1	0.08458	94.22468	5.14124	0	0	0
UBE2D4	9.22E+13	1.18699	21	21	20.233	1	0.10338	149.1194	7.20292	0	0	1
PJA2	9.22E+13	1.18699	21	21	19.575	1	0.10338	149.1194	7.20292	0	0	1
CAP2	6	0.46346	3	3	6.378	1	0.10338	168.8444	8.09372	0	0	1
MMRN1	9.22E+13	1.1239	18	18	125.62	1	0.13292	224.3119	8.89982	0	0	1
UBE2Q2	9.22E+13	1.18699	21	21	19.272	1	0.10338	149.1194	7.20292	0	0	1
PPP2R5B	5	0.30779	2	5	13.611	6	0.1163	187.7202	8.44622	2396.076	21070	0.1
GLP2R	6.23E+09	0.9963	13	13	96.804	1	0.10338	192.2492	8.37654	0	0	1
ITGA9	11	0.32413	5	6	60.867	4	0.1163	211.7536	8.77002	1461.385	11138	0.33333
RHOQ	142	0.18067	27	29	60.174	25	0.1163	225.6798	8.81374	12119.95	104510	0.12069
ARHGAP6	6	0.46346	3	3	18.016	1	0.10338	173.8373	8.09919	0	0	1
RAB6B	722	0.71324	6	8	10.977	10	0.10338	174.6206	8.09236	7152.518	41742	0.53571
IL1R1	1	0	1	1	15.057	1	0.1163	197.7464	8.61017	0	0	0
XYLT1	40320	0.8164	8	8	60.656	1	0.1163	191.1798	8.37517	0	0	1
SCN7A	6	0.46346	3	3	2.749	1	0.09304	137.7294	7.19199	0	0	1
ACACB	1	0	1	1	1.174	1	0.08458	99.8671	5.35847	0	0	0
PTH1R	6.23E+09	0.9963	13	13	94.289	1	0.10338	192.2492	8.37654	0	0	1
COL14A1	9.22E+13	1.26835	27	27	150.732	1	0.1163	189.9036	8.21122	0.62121	14	0.98006
RIN3	1	0	1	1	1.36	1	0.08458	116.2433	6.35311	0	0	0
RAB31	721	0.71324	6	7	3.138	2	0.09304	143.1841	7.28216	1360	10576	0.71429
HSD17B6	2	0	1	2	1.208	2	0.08458	94.89134	5.14397	1360	7806	0
CYP1B1	1	0	1	1	1.101	1	0.07754	82.87918	4.21491	0	0	0
PTGER3	9.22E+13	1.20641	22	22	143.164	1	0.1163	211.5869	8.66755	0	0	1
CX3CR1	9.22E+13	1.20641	22	22	141.672	1	0.1163	211.5869	8.66755	0	0	1
FXYP6	2	0.30779	2	2	1.22	1	0.00273	2.5	0.01455	0	0	1
F2RL3	9.22E+13	1.09458	24	24	148.337	1	0.1163	228.3131	8.91621	144.4336	13818	0.88043
ASB2	9.22E+13	1.16463	22	22	19.393	1	0.10338	149.6194	7.20429	1.42857	20	0.96537
EPN2	8.72E+10	1.02476	14	14	89.056	1	0.1163	211.456	8.72084	0	0	1
CHD3	5040	0.76834	7	7	19.909	1	0.1163	181.4988	8.26041	0	0	1
INPP5A	1	0	1	1	2.405	1	0.09304	127.5575	6.84496	0	0	0
ITPKB	3	0	1	3	13.607	3	0.10338	159.9421	7.77402	1459.909	77688	0
GPER1	9.22E+13	1.16218	23	23	144.932	1	0.1163	215.5036	8.7181	22.76001	640	0.94862
LAMB2	9.22E+13	0.63845	31	31	148.138	13	0.13292	238.4357	8.94354	3101.06	40262	0.47097
PPP1R12C	4	0.30898	3	3	15.47	1	0.1163	172.6107	8.10465	308.2042	8172	0.66667

SNX18	8.72E+10	1.02476	14	14	91.04	1	0.1163	211.456	8.72084	0	0	1
USP20	1	0	1	1	14.568	1	0.10338	167.4397	8.00765	0	0	0
TTC7B	1	0	1	1	1.078	1	0.00273	1	0.00819	0	0	0
FAM126A	1	0	1	1	1.078	1	0.00273	1	0.00819	0	0	0
DMPK	1	0	1	1	1.112	1	0.08458	114.5338	6.27386	0	0	0
PLN	3	0	1	3	2.423	3	0.09304	139.7254	7.20292	2718	30302	0
EDNRA	9.22E+13	1.00643	26	26	149.185	1	0.1163	228.9107	8.92168	649.4923	26432	0.78769
KAL1	2	0.30779	2	2	14.069	1	0.1163	174.9869	8.20302	0	0	1
STARD13	7	0.46346	3	4	16.764	1	0.10338	176.5564	8.14018	425.8534	1700	0.5
COL15A1	9.22E+13	1.26835	27	27	148.33	1	0.1163	189.9036	8.21122	0.62121	14	0.98006
DAAM1	1	0	1	1	2.292	1	0.09304	134.2389	7.08952	0	0	0
SH3PXD2A	3	0	1	3	4.794	2	0.10338	158.1016	7.79998	1427.295	12792	0
ADAM12	2	0	1	2	8.023	3	0.10338	159.7849	7.85326	160.4383	2438	0
DYNC2H1	25	0.56839	4	5	16.608	1	0.10338	167.2183	7.98715	207.7038	1074	0.6
LPAR1	9.22E+13	0.88267	41	42	163.216	3	0.1163	250.2107	9.12115	4752.904	66326	0.56562
KCNQ4	1	0	1	1	1.221	1	0.09304	121.7873	6.66598	0	0	0
F2RL2	9.22E+13	1.12344	23	24	143.504	2	0.1163	233.0964	8.96266	3096.556	32916	0.84058
C7	1	0	1	1	11.444	1	0.1163	164.3869	7.97213	0	0	0
RGMB	12	0.47366	4	4	15.046	1	0.10338	164.6516	7.88605	451.3333	8298	0.83333
SEMA6C	2	0	1	2	3.939	1	0.10338	157.7159	7.80544	33.0031	180	0
RHOJ	126	0.20822	23	23	36.675	5	0.1163	202.5393	8.51043	2645.04	37028	0.16996
ARHGEF15	6	0.46346	3	3	12.709	1	0.10338	173.8373	8.09919	0	0	1
HSPB7	1	0	1	1	3.113	1	0.10338	153.6885	7.7344	0	0	0
PTGFR	9.22E+13	1.19074	22	22	143.523	1	0.1163	225.1464	8.88479	72.5424	9932	0.98701
LSAMP	40320	0.8164	8	8	8.98	1	0.1163	157.5369	7.69614	0	0	1
TCF7L1	3	0.30779	2	3	1.484	2	0.09304	131.0524	6.97339	1360	8462	0.33333
TLE4	4	0.30779	2	4	6.356	4	0.10338	163.229	7.89835	4115.81	25612	0.16667
COL11A1	9.22E+13	1.00413	34	34	156.738	21	0.1163	219.7083	8.66345	2280.553	114804	0.71836
PTGER1	9.22E+13	1.00438	25	25	145.61	1	0.1163	229.4107	8.92987	459.7871	16534	0.79667
DZIP1	6	0.46346	3	3	7.737	1	0.10338	152.7528	7.68111	0	0	1
ADCY4	9.22E+13	0.74668	37	37	158.117	4	0.1163	233.8179	8.91621	2389.914	60172	0.51952
S1PR1	9.22E+13	0.96601	27	27	151.066	2	0.1163	238.5607	9.03508	3022.818	68530	0.74644
COL5A3	9.22E+13	1.03856	32	32	156.24	1	0.1163	198.7345	8.30686	509.1503	29500	0.75806
APBA1	3	0.30779	2	3	14.084	3	0.10338	171.8123	8.05683	2262.064	21672	0.33333

RHOB	860	0.1982	24	34	74.594	12	0.1163	232.9345	8.92441	28382.04	273362	0.11408
ROBO4	1	0	1	1	2.382	1	0.09304	134.4103	7.16877	0	0	0
TAGLN	1	0	1	1	1.107	1	0.08458	109.4913	6.10445	0	0	0
TRPC4	2	0.30779	2	2	1.972	1	0.09304	131.5318	7.01984	0	0	1
ATN1	5040	0.76834	7	7	18.402	1	0.1163	181.4988	8.26041	0	0	1
COL18A1	9.22E+13	1.04133	32	32	156.714	1	0.1163	226.5679	8.78505	1265.173	53306	0.76008
KCNH2	2	0	1	2	1.392	2	0.09304	122.454	6.66871	1360	10266	0
KCNE4	1	0	1	1	1.095	1	0.08458	103.1223	5.73966	0	0	0
GAB1	804	0.26407	20	20	103.546	11	0.13292	243.7929	9.14848	3152.771	44122	0.22632
TRPC6	3	0.30779	2	3	2.571	2	0.09304	132.0318	7.02121	1360	8804	0.33333
RNF24	1	0	1	1	1.094	1	0.08458	109.7092	6.09215	0	0	0
FBXO30	9.22E+13	1.16463	22	22	20.122	1	0.10338	149.6194	7.20429	1.42857	20	0.96537
FBXO32	9.22E+13	1.16463	22	22	19.331	1	0.10338	149.6194	7.20429	1.42857	20	0.96537
INHBA	2	0.30779	2	2	6.529	1	0.1163	145.8952	7.47754	0	0	1
PPP3CB	6	0	1	6	19.037	13	0.1163	189.7655	8.45032	4782.002	33144	0
PPIA	1	0	1	1	2.852	1	0.10338	145.979	7.52126	0	0	0
FBLN2	120	0.64826	5	5	11.388	1	0.09304	139.8575	7.16193	0	0	1
AOX1	3	0	1	3	1.299	4	0.09304	110.3075	6.07029	4072	23410	0
RRAS	5	0.30898	3	4	9.035	1	0.10338	168.9992	8.02268	982.2673	4702	0.33333
RGS5	2	0.30779	2	2	28.096	1	0.1163	179.1298	8.26041	0	0	1
NEGR1	40320	0.8164	8	8	9.445	1	0.1163	157.5369	7.69614	0	0	1
NTM	40320	0.8164	8	8	10.568	1	0.1163	157.5369	7.69614	0	0	1
LAMA4	5862	0.48071	15	15	101.628	1	0.13292	224.7857	8.87249	1119.726	19018	0.45714
MFAP4	120	0.64826	5	5	9.568	1	0.09304	139.8575	7.16193	0	0	1
PLCB1	9.22E+13	0.87384	27	29	149.226	4	0.1163	217.2036	8.69761	4198.085	161724	0.58374
GFRA1	11	0.46346	3	8	48.955	4	0.1163	219.4607	8.91485	4999.779	47070	0.10714
CAMK1D	1	0	1	1	4.184	1	0.10338	146.5179	7.49257	0	0	0
SPHK1	60	0.37904	8	10	63.483	3	0.13292	211.9571	8.77139	6286.712	75092	0.31111
PPAP2B	5	0.30898	3	4	12.822	7	0.1163	167.6155	8.00218	8122.772	90010	0.33333
CHRD1	9.22E+13	1.14582	19	22	132.265	6	0.1163	223.4202	8.80828	6760	58072	0.75325
TAF9B	1	0	1	1	6.382	1	0.10338	159.979	7.86692	0	0	0
COL16A1	9.22E+13	1.23044	28	28	150.48	1	0.13292	210.9881	8.62793	388.0794	24010	0.93915
SOD3	1	0	1	1	1.085	1	0.00273	1	0.00819	0	0	0
GPX8	1	0	1	1	1.085	1	0.00273	1	0.00819	0	0	0

RGS2	1	0	1	1	2.62	1	0.09304	138.3921	7.19746	0	0	0
MAP1B	2	0	1	2	4.577	1	0.10338	152.3183	7.68931	2	4	0
FSTL1	9.22E+13	1.14582	19	19	129.224	1	0.1163	221.5869	8.80145	0	0	1
CAMK2G	6	0.30779	2	6	10.186	3	0.10338	173.7159	8.11558	4048.828	20770	0.13333
RAB9B	722	0.71324	6	8	2.925	3	0.09304	143.6841	7.28353	2718	21150	0.53571
DENND2A	1	0	1	1	1.22	1	0.08458	116.41	6.35447	0	0	0
FCN3	2	0.30779	2	2	16.3	1	0.10338	163.3183	7.87922	0	0	1
LOXL3	5112	0.59858	10	10	36.974	1	0.10338	154.1028	7.47754	86.07077	5862	0.66667
ROR2	5	0.30779	2	5	17.907	3	0.10338	184.7873	8.35468	3320.891	18430	0.1
WASF1	3	0	1	3	22.295	1	0.1163	195.8131	8.61427	268.6871	1574	0
NDST1	24	0.56839	4	4	35.206	1	0.10338	182.323	8.26451	0	0	1
GSTM2	1	0	1	1	1.09	1	0.00273	1	0.00819	0	0	0
GSTM5	1	0	1	1	1.09	1	0.00273	1	0.00819	0	0	0
PPP1R12B	1448	0.54893	9	9	45.639	12	0.1163	188.5702	8.33009	2170.772	36734	0.63889
UTRN	5043	0.64146	8	9	72.916	2	0.13292	214.1191	8.78778	1650.679	21522	0.61111
NR3C2	30	0.51861	5	5	13.708	1	0.10338	181.8016	8.32325	106.3111	360	0.8
CNR1	9.22E+13	1.20641	22	22	143.33	1	0.1163	211.5869	8.66755	0	0	1
GABBR1	9.22E+13	1.16702	23	23	143.218	1	0.1163	212.0869	8.66892	13.73208	314	0.95257
NOTCH4	13	0.28529	6	7	24.973	5	0.1163	196.3417	8.54459	3188.056	33602	0.28571
EDIL3	6	0.46346	3	3	41.13	1	0.1163	197.1845	8.56782	0	0	1
MDGA1	40321	0.8164	8	9	8.71	2	0.1163	161.3774	7.77129	1370.337	15200	0.77778
ADCY9	9.22E+13	0.74668	37	37	157.682	2	0.1163	233.8179	8.91621	2389.914	60172	0.51952
HOXA3	1	0	1	1	1.503	1	0.08458	120.704	6.57717	0	0	0
CD81	2	0	1	2	14.926	2	0.10338	176.1159	8.12925	1360	12492	0
PTGFRN	1	0	1	1	1.737	1	0.09304	137.6754	7.20019	0	0	0
LTBP3	2	0.30779	2	2	26.109	1	0.13292	180.0286	8.2891	0	0	1
PLOD2	9.22E+13	1.20641	22	22	141.885	1	0.1163	187.4036	8.20439	0	0	1
RAB23	722	0.71324	6	8	7.465	3	0.10338	161.8278	7.82457	4091.116	44908	0.57143
FGF10	720	0.71324	6	6	42.247	1	0.1163	202.5464	8.65389	0	0	1
LAMB1	9.22E+13	0.5494	36	37	154.367	8	0.13292	259.6595	9.19629	10090.57	126838	0.36486
DUSP1	6	0.46346	3	3	13.26	1	0.10338	179.7968	8.2932	0	0	1
HOMER2	120	0.64826	5	5	3.371	1	0.09304	145.7877	7.36961	0	0	1
RPS6KA5	2	0	1	2	3.558	2	0.10338	161.754	7.92157	1360	7678	0
COL4A6	9.22E+13	1.1428	31	31	156.572	2	0.13292	224.7	8.80691	1020.852	60306	0.84301

MAP1A	1	0	1	1	2.217	1	0.09304	140.3579	7.2726	0	0	0
GREM1	6	0.46346	3	3	4.707	1	0.09304	131.7397	6.96109	0	0	1
PRNP	25	0.56839	4	5	42.755	1	0.1163	188.3679	8.37517	338.2484	3970	0.6
NCAM1	728	0.71324	6	14	82.417	5	0.1163	202.2726	8.57875	6866.407	162678	0.17582
FABP4	1	0	1	1	5.548	1	0.10338	158.2754	7.82184	0	0	0
CD36	40324	0.69213	9	11	53.106	4	0.1163	212.5893	8.75089	3254.015	24322	0.52727
CLU	9.22E+13	1.1239	18	19	126.809	2	0.13292	224.8119	8.90118	1360	10576	0.89474
TNC	9.22E+13	0.79846	25	25	141.86	4	0.1163	233.6869	8.92578	1258.623	21360	0.63333
SGIP1	8.72E+10	1.02476	14	14	90.171	1	0.1163	211.456	8.72084	0	0	1
GAS1	4	0.30898	3	3	3.768	2	0.09304	147.1937	7.53766	510.0149	5370	0.66667
DEGS1	40326	0.52601	11	11	51.73	9	0.1163	208.8488	8.69761	4191.375	40310	0.56364
GNAL	842	0.69516	7	9	80.305	3	0.1163	189.4941	8.36697	2718.909	60394	0.52778
ADCY5	9.22E+13	0.74668	37	37	157.582	3	0.1163	233.8179	8.91621	2389.914	60172	0.51952
JAM3	1	0	1	1	1.098	1	0.00273	1	0.00819	0	0	0
JAM2	1	0	1	1	1.098	1	0.00273	1	0.00819	0	0	0
HDAC7	5055	0.51877	10	11	27.232	3	0.1163	199.6107	8.60334	2003.651	21782	0.47273
IGFBP7	9.22E+13	1.05628	20	20	131.216	1	0.1163	229.9845	8.92851	1532.585	14866	0.90526
CACNA2D3	2	0.30779	2	2	14.38	1	0.10338	157.7766	7.76309	0	0	1
LOXL2	5112	0.59858	10	10	35.894	2	0.10338	154.1028	7.47754	86.07077	5862	0.66667
SYT11	8.72E+10	1.02476	14	14	91.83	1	0.1163	211.456	8.72084	0	0	1
LPP	1	0	1	1	15.477	1	0.1163	178.0845	8.26041	0	0	0
EZH1	6	0.46346	3	3	4.968	1	0.10338	146.1944	7.46798	0	0	1
TNS1	5053	0.59666	9	10	74.714	3	0.13292	227.3429	8.98316	1971.233	20242	0.55556
LMOD1	1.31E+12	1.05156	15	15	100.399	1	0.13292	212.2667	8.76182	0	0	1
NRG2	6	0.46346	3	3	24.954	1	0.1163	199.3464	8.62656	0	0	1
BTC	6	0.46346	3	3	28.292	1	0.1163	199.3464	8.62656	0	0	1
KCNS3	3	0.30779	2	3	19.303	10	0.1163	189.3821	8.50223	12096	112706	0.33333
FBLN1	120	0.64826	5	5	8.648	1	0.09304	139.8575	7.16193	0	0	1
THY1	40324	0.8164	8	12	38.39	11	0.13292	201.4095	8.55825	11738.45	133404	0.45455
SNAI1	5041	0.76834	7	8	32.566	7	0.1163	208.2845	8.73177	1571.491	29852	0.75
SGCE	24	0.56839	4	4	14.402	1	0.1163	157.775	7.74396	0	0	1
NOTCH3	17	0.23326	8	9	10.783	2	0.10338	174.679	8.0582	5131.182	46002	0.22222
HEYL	2	0.30779	2	2	5.295	1	0.10338	161.9456	7.89015	0	0	1
COL12A1	9.22E+13	1.26835	27	27	150.779	1	0.1163	189.9036	8.21122	0.62121	14	0.98006

PDE1B	4	0.30898	3	3	2.918	2	0.10338	147.6845	7.49667	679	10644	0.66667
ADAMTS2	6.23E+09	0.9963	13	20	82.155	14	0.1163	185.4631	8.13881	14287.97	419244	0.52105
PKD2	1	0	1	1	1.099	1	0.00273	1	0.00819	0	0	0
PKD1	1	0	1	1	1.099	1	0.00273	1	0.00819	0	0	0
CSPG4	40608	0.54053	14	14	69.802	4	0.1163	194.1798	8.38337	312.8078	5702	0.52747
AKT3	9	0.46346	3	6	50.561	3	0.13292	216.1286	8.8479	1436.971	10754	0.2
A2M	9.22E+13	1.0319	19	23	131.243	26	0.13292	236.9119	9.03098	12642.43	149454	0.62055
ITGA1	1.31E+12	0.41619	45	46	161.248	62	0.15507	273.6333	9.3985	32345.97	722904	0.2599
GNAZ	4.03E+07	0.66846	18	18	123.943	1	0.13292	212.7333	8.72494	821.797	14924	0.59477
ITGA7	44	0.43905	7	7	68.531	1	0.1163	205.5012	8.65116	32.34646	558	0.57143
UBE2E2	9.22E+13	1.18699	21	21	19.501	1	0.10338	149.1194	7.20292	0	0	1
DAB2	8.72E+10	1.02476	14	18	102.779	2	0.13292	224.3691	8.88889	4764.969	35918	0.61438
SOCS5	8.72E+10	0.92137	15	15	18.275	8	0.1163	166.5452	7.8191	4688.479	74256	0.87619
CREM	4	0.30779	2	4	24.867	2	0.1163	199.9512	8.66892	1656.887	11764	0.16667
FHL5	1	0	1	1	3.587	1	0.10338	152.4778	7.73986	0	0	0
TMOD2	5040	0.76834	7	7	42.268	1	0.1163	171.4083	8.03088	0	0	1
CNTN1	2	0.30779	2	2	1.238	1	0.08458	114.279	6.26703	0	0	1
KAT2B	46	0.2003	15	17	44.277	11	0.1163	216.4941	8.79598	15929.21	113462	0.14706
PDE1C	2	0.30779	2	2	1.529	1	0.09304	120.5929	6.56898	0	0	1
PDE1A	4	0.30898	3	3	3.574	1	0.10338	147.6845	7.49667	679	10644	0.66667
WLS	6	0.46346	3	3	5.408	1	0.09304	133.029	7.01574	0	0	1
MAGEH1	2	0.30779	2	2	11.03	1	0.10338	168.9254	8.09099	0	0	1
SMPD1	2	0	1	2	16.725	1	0.1163	199.3798	8.6334	706.1131	5230	0
SGMS2	3	0.30779	2	3	8.747	1	0.10338	166.3111	7.99808	108.0553	1476	0.33333
FERMT2	2	0	1	2	24.189	1	0.1163	186.3179	8.42163	5.70588	64	0
DLL4	4	0.30898	3	3	4.536	1	0.10338	152.8206	7.65652	178.0605	3564	0.66667
NEURL1B	2	0.30779	2	2	2.708	1	0.09304	136.4857	7.13051	0	0	1
MYO1C	9	0.37893	4	5	20.454	2	0.10338	180.579	8.18663	1444.313	10552	0.4
GKAP1	1	0	1	1	2.273	1	0.09304	138.3921	7.19746	0	0	0
RAP1A	81036	0.42958	21	21	117.539	5	0.1163	249.3107	9.20039	5572.377	78624	0.3619
PLAT	2	0	1	2	11.15	1	0.1163	164.781	7.96803	2.73705	38	0
LRP1	59	0.31924	10	11	82.238	3	0.1163	222.3441	8.88342	2225.877	30972	0.29091
COL4A1	9.22E+13	1.09381	32	32	154.034	1	0.13292	234.4786	8.95583	2126.07	112924	0.79839
HOXA5	3	0	1	3	1.496	3	0.08458	122.0373	6.58264	2718	17890	0

HOXB4	1	0	1	1	1.104	1	0.07754	102.5148	5.65358	0	0	0
SHC2	3	0.30779	2	3	20.884	1	0.1163	188.6226	8.47901	32.23907	500	0.33333
SCN4B	6	0.46346	3	3	2.491	1	0.09304	137.7294	7.19199	0	0	1
GRIK5	2	0.30779	2	2	2.73	1	0.09304	142.277	7.31086	0	0	1
FZD8	121	0.64826	5	6	15.153	4	0.10338	167.5016	7.94343	4068	22542	0.66667
AGTR1	9.22E+13	0.69657	39	39	159.292	4	0.1163	249.3441	9.11705	7763.49	73444	0.47638
LTBP1	9.22E+13	0.99481	21	21	135.966	1	0.13292	225.2357	8.83697	354.6158	5188	0.8381
AMPH	8.72E+10	1.02476	14	14	91.676	1	0.1163	211.456	8.72084	0	0	1
FNBP1	8.72E+10	1.02476	14	14	87.181	1	0.1163	211.456	8.72084	0	0	1
CHST1	6	0.46346	3	3	15.047	1	0.1163	154.1024	7.64559	0	0	1
BMP1	5065	0.76834	7	12	88.631	3	0.1163	189.2226	8.27817	1742.367	85174	0.40909
DSE	120	0.64826	5	5	38.384	1	0.1163	175.0321	8.05547	0	0	1
CHST15	120	0.64826	5	5	37.672	1	0.1163	175.0321	8.05547	0	0	1
SNX1	1	0	1	1	15.547	1	0.10338	166.8873	8.00218	0	0	0
F2R	9.22E+13	0.93236	28	29	153.49	2	0.1163	231.4798	8.93124	1896.318	39898	0.66256
SERPINH1	9.22E+13	1.24323	24	24	147.177	1	0.1163	188.4036	8.20712	0	0	1
MS4A2	6	0.2842	4	4	28.864	2	0.1163	210.0964	8.78642	518.8671	5602	0.5
FCER1A	6	0.2842	4	4	30.084	1	0.1163	210.0964	8.78642	518.8671	5602	0.5
MFG8E8	9.22E+13	0.96095	22	22	135.602	1	0.1163	232.3536	8.92304	726.8334	16426	0.79654
GAS6	9.22E+13	0.7461	36	36	157.025	2	0.13292	245.9286	9.05694	3204.923	40598	0.52381
PYGM	2	0	1	2	2.118	1	0.09304	125.6968	6.74932	141.5728	718	0
PHKG1	2	0	1	2	3.828	2	0.10338	148.0179	7.5117	951.5048	8770	0
RECK	40321	0.8164	8	9	9.272	1	0.1163	162.7405	7.79998	305.871	1920	0.77778
ANXA6	1	0	1	1	1.096	1	0.00273	1	0.00819	0	0	0
DYSF	1	0	1	1	1.096	1	0.00273	1	0.00819	0	0	0
GNAO1	8.02E+07	0.63868	20	20	127.214	1	0.13292	218.1167	8.78232	2228.48	22724	0.54737
TMOD1	5040	0.76834	7	7	39.143	1	0.1163	171.4083	8.03088	0	0	1
LAMA2	5832	0.53647	13	13	88.69	1	0.13292	215.6048	8.75363	430.5785	8562	0.53846
LRR4	1	0	1	1	2.369	1	0.10338	125.7762	6.76845	0	0	0
NTNG2	40321	0.8164	8	9	9.675	2	0.1163	158.0369	7.69751	1360	13118	0.77778
ENAH	6	0.46346	3	3	6.755	1	0.10338	168.8444	8.09372	0	0	1
ABL1	29	0.37893	4	14	46.424	26	0.1163	226.0607	8.97633	17177.59	112756	0.13187
TEAD3	6	0.46346	3	3	7.477	1	0.1163	163.5726	7.97076	0	0	1
MITF	2	0	1	2	3.764	2	0.10338	161.754	7.92157	1360	7678	0

TFE3	1	0	1	1	1.523	1	0.09304	129.4413	6.99252	0	0	0
PLXNA4	20	0.26242	8	10	23.256	7	0.1163	196.2179	8.54869	3835.461	35792	0.2
PHACTR1	1	0	1	1	13.379	1	0.1163	173.3464	8.1593	0	0	0
HDAC5	5061	0.47511	11	12	26.894	5	0.1163	195.2988	8.49814	2829.002	23490	0.42424
MEF2A	19	0.26242	8	9	22.174	9	0.1163	205.4655	8.71264	6211.537	34004	0.25
PCOLCE	5064	0.76834	7	11	81.269	1	0.1163	178.6917	8.08006	1014.178	70056	0.49091
PDGFC	6	0.46346	3	3	27.79	1	0.13292	187.8119	8.42572	0	0	1
WNT9A	126	0.57059	6	6	17.734	1	0.10338	167.1683	7.9407	451.3333	7506	0.8
GPC6	40392	0.62782	11	11	64.294	3	0.1163	198.6607	8.50633	102.2143	2444	0.67273
CBX6	5070	0.49207	11	11	21.105	3	0.1163	189.7917	8.3943	1464.379	30046	0.52727
BDKRB2	9.22E+13	0.90969	39	39	162.105	2	0.13292	243.2095	9.04737	1298.325	35070	0.62213
SPOP	12	0.47366	4	4	11.212	1	0.10338	160.2837	7.8519	34.27591	1110	0.83333
LRRK2	2	0.30779	2	2	3.199	1	0.09304	118.2579	6.27796	0	0	1
WNT2B	126	0.57059	6	6	17.083	1	0.10338	167.1683	7.9407	451.3333	7506	0.8
TRPC1	3	0.30779	2	3	9.454	4	0.10338	164.3802	7.94617	4068	26400	0.33333
MAPK11	53	0.27149	11	18	37.972	17	0.1163	218.2107	8.8479	17895.87	120628	0.10458
HDAC4	7	0.46346	3	4	9.407	1	0.10338	165.429	7.93387	353.6696	1374	0.5
VAMP4	8.72E+10	0.85255	16	17	93.975	13	0.1163	214.8393	8.7468	6147.945	40252	0.69853
PDGFD	7	0.46346	3	4	29.533	1	0.13292	188.4786	8.42846	243.9845	4534	0.5
RSU1	2	0.30779	2	2	10.74	1	0.10338	166.9873	8.02678	0	0	1
KIT	6	0.30898	3	5	37.664	2	0.1163	211.0798	8.78642	961.4939	9820	0.2
LNPEP	6	0.46346	3	3	18.364	1	0.10338	179.4123	8.18253	0	0	1
SLC2A4	12	0.47366	4	4	21.029	1	0.10338	180.079	8.18526	1.33333	4	0.83333
CTGF	14	0.37893	4	7	36.841	4	0.13292	201.8952	8.62383	2036.125	21084	0.33333
PTGIS	1	0	1	1	1.101	1	0.00205	1.5	0.01228	0	0	0
PTGS1	2	0	1	2	1.178	3	0.00409	2	0.01432	2	2	0
SDC2	9.22E+13	0.58194	33	33	144.009	14	0.1163	249.0774	9.11022	9094.78	102816	0.42045
TGFBR3	12	0.47366	4	4	27.93	1	0.13292	181.8286	8.30139	3.83333	12	0.83333
KCND1	2	0	1	2	1.181	2	0.09304	122.454	6.66871	452	10258	0
PPP1R14A	8	0.37893	4	4	19.625	1	0.10338	185.4064	8.34102	156.9845	2292	0.66667
PPP1R12A	1457	0.45814	11	12	48.777	2	0.1163	199.8464	8.51863	5863.193	76934	0.40909
NICN1	1	0	1	1	1.083	1	0.00273	1	0.00819	0	0	0
LRRC49	1	0	1	1	1.083	1	0.00273	1	0.00819	0	0	0
ANK2	9	0.46346	3	6	11.156	6	0.10338	174.2254	8.11558	7239.099	46362	0.26667

LIFR	1	0	1	1	2.494	1	0.10338	138.5266	7.27807	0	0	0
CTF1	2	0	1	2	13.301	2	0.1163	176.6488	8.20712	1360	9646	0
GNAI2	9.22E+13	0.67027	38	38	158.828	7	0.13292	240.5833	8.99545	6791.9	78446	0.4623
TUBA1A	10	0.37893	4	6	13.375	2	0.1163	184.1226	8.35331	633.0235	3432	0.33333
TUBB6	2	0.30779	2	2	7.435	1	0.10338	167.1278	8.04454	0	0	1
ITPR1	5052	0.67062	8	14	88.564	15	0.1163	221.1679	8.86703	15404.02	116844	0.26374
ATP1B2	4	0.30898	3	3	1.271	1	0.00546	3	0.01637	1	2	0.66667
ATP1A2	4	0.30898	3	3	1.281	1	0.00546	3	0.01637	1	2	0.66667
KCND3	2	0	1	2	1.902	1	0.09304	122.454	6.66871	452	10258	0
ITGA8	48	0.52304	6	6	71.554	1	0.13292	215.4524	8.82057	15.02969	390	0.73333
SGCB	48	0.58344	5	5	11.824	1	0.1163	158.275	7.74533	0.5	2	0.9
STAT5B	19	0.47366	4	10	41.891	9	0.13292	206.7595	8.68395	24234.63	344890	0.15556
GHR	3	0.30779	2	3	22.645	35	0.1163	207.0964	8.7304	21288.67	178058	0.33333
GNAI1	9.22E+13	0.67486	39	39	156.102	3	0.13292	253.6929	9.18263	10526.35	140920	0.46154
HGF	9.22E+13	0.70372	26	27	144.261	4	0.13292	245.4762	9.11978	2842.017	33618	0.50997
CALD1	1.31E+12	1.05156	15	15	94.266	1	0.13292	212.2667	8.76182	0	0	1
PTRF	2	0	1	2	5.68	6	0.1163	160.8833	7.90928	6760	38990	0
NNMT	2	0	1	2	1.376	5	0.10338	130.3103	6.99115	5416	31200	0
MEIS1	1	0	1	1	1.493	1	0.08458	120.704	6.57717	0	0	0
PBX1	5	0	1	5	3.62	6	0.09304	149.3722	7.50623	6848.111	44860	0
COL4A5	9.22E+13	1.09381	32	32	158.381	1	0.13292	234.4786	8.95583	2126.07	112924	0.79839
COL8A2	9.22E+13	1.26835	27	27	150.365	1	0.1163	189.9036	8.21122	0.62121	14	0.98006
SGCA	24	0.56839	4	4	10.356	1	0.1163	157.775	7.74396	0	0	1
FZD1	124	0.52304	6	8	16.736	2	0.10338	171.4587	8.01858	2520.163	19792	0.39286
PDGFRA	91	0.4296	9	10	61.168	2	0.13292	224.8191	8.95173	2944.035	40268	0.4
PIK3R1	9.22E+13	0.2984	64	73	165.499	160	0.13292	296.5095	9.53923	82419.26	1148158	0.13394
RYR2	2	0	1	2	3.444	2	0.10338	147.1845	7.4953	1360	10648	0
MFAP2	5166	0.54298	11	11	30.756	3	0.10338	178.3849	8.08553	2835.569	53264	0.58182
BGN	40614	0.45768	16	16	84.703	1	0.13292	207.2786	8.61017	1125.784	19740	0.425
DCN	40827	0.31844	26	27	127.726	8	0.13292	228.8833	8.85473	7358.836	106862	0.23077
VCAN	9.22E+13	0.62148	32	33	141.335	4	0.1163	230.9202	8.84926	5628.965	61744	0.42614
TGFB2	9.22E+13	0.6268	27	27	141.456	3	0.13292	239.7262	9.05694	3916.332	57544	0.48433
BMP6	1	0	1	1	2.157	1	0.09304	130.7397	6.95836	0	0	0
BMPR1A	13	0.47366	4	5	15.366	2	0.10338	165.1516	7.88742	1811.333	16602	0.5

MYH10	1442	0.6123	8	8	46.571	1	0.1163	192.375	8.42572	558.5066	5230	0.75
TPM4	1.31E+12	0.77378	20	20	106.421	5	0.13292	215.7667	8.77685	1518.215	30870	0.66316
SGCD	48	0.58344	5	5	12.083	1	0.1163	158.275	7.74533	0.5	2	0.9
DMD	10179	0.38194	19	20	91.037	7	0.13292	211.0048	8.66892	8582.52	98688	0.3
WNT2	128	0.47564	7	7	17.659	3	0.10338	167.6683	7.94207	992.4296	13588	0.61905
FZD4	8.72E+10	0.74927	18	24	115.862	12	0.1163	224.1369	8.8438	15668.14	115396	0.4058
GUCY1A2	2	0.30779	2	2	2.689	1	0.09304	138.8921	7.19882	0	0	1
AMOTL1	1	0	1	1	1.906	1	0.10338	150.5433	7.68385	0	0	0
ZYX	5054	0.51877	10	10	82.029	2	0.13292	225.3095	8.9408	783.7047	15256	0.57778
DES	5040	0.76834	7	7	44.464	1	0.1163	171.4083	8.03088	0	0	1
VIM	5040	0.76834	7	7	44.333	1	0.1163	171.4083	8.03088	0	0	1
SORBS1	1.31E+12	1.05156	15	16	99.183	1	0.13292	218.3167	8.81784	1719.373	28566	0.875
MFAP5	5166	0.54298	11	11	30.859	4	0.10338	178.3849	8.08553	2835.569	53264	0.58182
KCNA5	1	0	1	1	1.287	1	0.09304	121.7873	6.66598	0	0	0
KCNAB1	7	0	1	7	3.56	9	0.10338	150.9456	7.59504	10813	102544	0
CYP7B1	1	0	1	1	1.089	1	0.00273	1	0.00819	0	0	0
CH25H	1	0	1	1	1.089	1	0.00273	1	0.00819	0	0	0
KCND2	2	0	1	2	1.779	1	0.09304	122.454	6.66871	452	10258	0
KCNIP4	3	0	1	3	1.276	1	0.08458	104.4556	5.74512	3	6	0
AR	69	0.21031	15	16	72.677	8	0.1163	237.6274	9.12252	16074.62	147478	0.175
ITGB5	1.31E+12	0.50322	26	26	130.81	4	0.13292	236.3167	8.99682	3835.335	51588	0.39385
PECAM1	24	0.32929	7	9	62.178	8	0.1163	217.0369	8.84107	3293.936	42098	0.25
TPM2	1.31E+12	0.74045	21	21	108.208	1	0.13292	217.2833	8.79052	1700.865	34812	0.62381
ACTG2	1.31E+12	1.05156	15	16	101.464	2	0.13292	212.7667	8.76319	1360	10308	0.875
LOXL1	5112	0.59858	10	10	34.592	1	0.10338	154.1028	7.47754	86.07077	5862	0.66667
FBN1	9.22E+13	0.80687	25	28	147.434	9	0.1163	240.8036	8.98589	13406.72	202540	0.51587
NRP2	26	0.56839	4	6	35.586	1	0.1163	197.2821	8.57875	556.7012	8024	0.46667
KCNMB1	1	0	1	1	1.072	1	0.00273	1	0.00819	0	0	0
KCNMA1	1	0	1	1	1.072	1	0.00273	1	0.00819	0	0	0
EPM2A	4	0.30898	3	3	3.786	2	0.09304	137.3282	7.1633	655.3198	22904	0.66667
SOCS3	9.22E+13	1.0135	24	25	21.11	34	0.1163	182.7941	8.10192	38525.36	419030	0.75
LEPR	7	0.46346	3	4	3.406	10	0.10338	142.2861	7.19746	12096	185288	0.5
CFL2	1	0	1	1	6.713	1	0.10338	163.6397	7.97759	0	0	0
ACTB	21	0.32413	5	13	58.092	5	0.1163	222.0345	8.90665	7027.771	55358	0.11538

PPP1R3C	2	0.30779	2	2	2.194	1	0.08458	114.3203	6.25884	0	0	1
GYG1	5	0.30898	3	4	3.158	1	0.09304	138.6615	7.18653	1269.047	34294	0.33333
COL6A3	9.22E+13	1.09381	32	32	156.677	1	0.13292	234.4786	8.95583	2126.07	112924	0.79839
ITGA5	34	0.27934	10	10	87.269	1	0.1163	224.0107	8.93671	670.3677	14004	0.31111
DLG4	128	0.64826	5	12	10.716	10	0.10338	182.5802	8.20166	10309.08	70598	0.19697
PTN	1	0	1	1	8.031	1	0.10338	152.1052	7.6087	0	0	0
SDC3	40405	0.5237	13	14	84.159	2	0.1163	202.8774	8.53776	1591.771	18418	0.45055
EVC	120	0.64826	5	5	15.353	1	0.10338	160.7837	7.85326	0	0	1
EVC2	120	0.64826	5	5	15.914	1	0.10338	160.7837	7.85326	0	0	1
MYL6	1.31E+12	0.81748	19	19	104.195	2	0.13292	221.95	8.85883	2488.436	59850	0.71345
NID2	720	0.71324	6	6	53.188	1	0.1163	189.0131	8.36151	0	0	1
COL5A1	9.22E+13	0.98668	35	35	157.834	1	0.13292	230.0833	8.8438	4285.006	185904	0.69916
CDON	9	0.46346	3	6	13.488	5	0.10338	189.1825	8.45988	5510.138	33602	0.26667
NR3C1	55	0.24269	13	14	52.639	38	0.1163	236.7107	9.10885	19642.59	156172	0.20879
FKBP5	24	0.56839	4	4	12.911	1	0.10338	178.5683	8.28227	0	0	1
TPM1	1.31E+12	0.70504	22	22	113.669	1	0.13292	221.9333	8.8397	2227.158	40368	0.58442
SEMA3C	6	0.2842	4	4	11.037	1	0.10338	165.9492	7.96256	70.08554	376	0.5
PLXND1	9	0.30898	3	8	12.783	3	0.10338	179.5849	8.15657	5607.117	33142	0.10714
FLNA	5	0.30779	2	5	27.758	5	0.1163	202.9464	8.66345	2920.769	21118	0.2
SPARC	9.22E+13	0.90437	21	23	136.007	3	0.13292	234.3119	8.98043	4263.579	56148	0.63241
BOC	2	0.30779	2	2	1.831	1	0.08458	122.5393	6.69057	0	0	1
CNTNAP1	2	0.30779	2	2	1.23	1	0.08458	114.279	6.26703	0	0	1
NFASC	8	0.46346	3	5	2.763	3	0.09304	138.7294	7.19472	2716	17588	0.4
KCNJ8	1	0	1	1	1.092	1	0.00273	1	0.00819	0	0	0
ABCC9	1	0	1	1	1.092	1	0.00273	1	0.00819	0	0	0
FBLN5	5160	0.59858	10	10	22.426	1	0.09304	143.4647	7.18516	28.38542	654	0.66667
ENG	124	0.52304	6	8	34.356	2	0.13292	189.6024	8.40523	1290.581	21042	0.42857
ACVRL1	122	0.52304	6	6	28.777	1	0.13292	185.9357	8.36561	618.1895	14510	0.73333
DLC1	8	0.46346	3	5	21.116	2	0.1163	187.4369	8.38337	1516.751	10822	0.3
TENC1	1	0	1	1	2.44	1	0.10338	144.4766	7.45431	0	0	0
CFD	9.22E+13	1.03861	19	19	129.151	1	0.13292	231.0119	8.9695	531.0234	9838	0.90643
NDN	2	0.30779	2	2	9.559	1	0.10338	168.9254	8.09099	0	0	1
MYH11	1.31E+12	0.81748	19	19	100.684	2	0.13292	221.95	8.85883	2488.436	59850	0.71345
ACTA2	1.31E+12	1.05156	15	17	104.146	1	0.13292	219.8333	8.86429	3944.1	41690	0.77941

OMG	2	0.30779	2	2	5.384	1	0.10338	165.7778	8.01858	0	0	1
RTN4	2	0.30779	2	2	4.992	1	0.10338	165.7778	8.01858	0	0	1
PRKG1	14	0.30898	3	12	17.123	11	0.10338	179.1659	8.12651	13956.92	154784	0.06061
MRVI1	2	0	1	2	8.47	1	0.10338	167.6802	8.00082	623.822	2222	0
SRF	3	0	1	3	5.917	3	0.10338	164.2206	7.95983	2780.876	15318	0
MYOCD	2	0	1	2	1.547	2	0.09304	131.427	7.03351	1360	7440	0
CBX7	6	0.46346	3	3	7.379	1	0.10338	146.1944	7.46798	0	0	1
PHC1	5070	0.49207	11	11	25.427	1	0.1163	189.7917	8.3943	1464.379	30046	0.52727
PER3	2	0.30779	2	2	1.211	1	0.00409	2	0.00819	0	0	1
NDNL2	3	0.30779	2	3	12.396	2	0.10338	169.5921	8.09372	1360	20542	0.33333
EID3	1	0	1	1	2.387	1	0.09304	134.2865	7.16467	0	0	0
NOS3	38	0.36588	7	11	79.688	10	0.13292	222.2405	8.90665	6628.742	68030	0.18182
CAV1	124	0.64826	5	9	49.969	8	0.13292	214.0191	8.82467	9204.068	62318	0.27778
LEPRE1	9.22E+13	1.26984	26	26	152.258	1	0.1163	189.4036	8.20986	0.16667	4	0.99385
CRTAP	9.22E+13	1.26984	26	26	151.824	1	0.1163	189.4036	8.20986	0.16667	4	0.99385
LOX	5112	0.59858	10	10	37.607	1	0.10338	154.1028	7.47754	86.07077	5862	0.66667
ELN	5046	0.67062	8	8	30.449	1	0.10338	176.8849	8.08143	821.7622	25160	0.82143
SERPING1	9.22E+13	1.1239	18	20	128.73	3	0.13292	225.4786	8.90392	1606.328	13400	0.81053
DHH	6	0.30898	3	5	4.998	2	0.09304	150.8889	7.61826	2285.293	20924	0.2
HHIP	7	0.46346	3	4	14.827	1	0.10338	161.1171	7.86009	1167.798	14558	0.5
COL3A1	9.22E+13	0.92924	36	36	159.054	1	0.1163	228.4417	8.75226	4002.373	137414	0.65238
CACNA2D1	2	0.30779	2	2	14.623	1	0.10338	157.7766	7.76309	0	0	1
C4A	9.22E+13	0.85227	23	23	131.558	4	0.1163	223.5869	8.80691	2510.36	22780	0.69565
C4B	10	0.32413	5	5	28.509	1	0.10338	178.1159	8.13744	351.3499	3814	0.5
NTN1	3	0	1	3	17.633	2	0.1163	199.0798	8.61563	2038	16754	0
UNC5C	1	0	1	1	2.085	1	0.10338	151.6516	7.68658	0	0	0
LUM	362922	0.61467	12	16	113.129	5	0.13292	205.1476	8.57191	5705.352	102824	0.39167
FN1	9.22E+13	0.45209	55	56	167.215	15	0.13292	282.4762	9.43539	30009.07	304174	0.26688
ADRB2	9.34E+10	0.53862	32	33	140.671	3	0.1163	233.2345	8.93671	7228.074	77398	0.36932
ARRB1	8.72E+10	0.45388	29	29	135.985	1	0.1163	250.7536	9.16214	11728.45	140402	0.34236
STX1B	6	0.46346	3	3	29.657	1	0.10338	180.5349	8.26587	0	0	1
COL6A2	9.22E+13	1.09381	32	32	156.447	2	0.13292	234.4786	8.95583	2126.07	112924	0.79839
COL6A1	9.22E+13	1.04592	33	33	155.226	2	0.13292	237.6452	8.98043	2726.717	122352	0.75568
RAMP3	6.23E+09	0.9963	13	13	99.638	1	0.10338	192.2492	8.37654	0	0	1

COL5A2	9.22E+13	0.98668	35	35	157.79	1	0.13292	230.0833	8.8438	4285.006	185904	0.69916
PIP5K1C	13	0.37893	4	9	49.475	5	0.1163	218.9774	8.88069	5756.718	77622	0.11111
NID1	726	0.62199	7	7	51.243	1	0.1163	190.0131	8.36971	7.86627	40	0.80952
HSPG2	41255	0.35513	22	25	115.839	2	0.1163	226.5941	8.85746	5704.342	78542	0.22667
TIMP2	10	0.37893	4	6	17.768	2	0.1163	189.7274	8.43119	2192.303	18450	0.26667
MMP14	9	0.37893	4	5	36.45	1	0.1163	195.8202	8.46535	465.2799	2924	0.4
MYL9	1.31E+12	0.65804	22	22	106.817	2	0.13292	226.7333	8.90665	4811.373	88186	0.54545
GLI3	284	0.39514	12	12	33.637	2	0.1163	197.6821	8.56235	4188.356	63658	0.40909
CACNA1C	152	0.38186	9	11	73.668	14	0.1163	211.5655	8.69078	12242.87	131024	0.29091
CACNB2	150	0.38186	9	9	67.167	1	0.1163	205.4321	8.6252	1956.418	42358	0.44444
NRXN3	124	0.43905	7	7	4.143	2	0.09304	154.5937	7.59231	1049.778	13662	0.57143
VIPR2	6.23E+09	0.9963	13	13	97.911	1	0.10338	192.2492	8.37654	0	0	1
VIP	6.23E+09	0.9963	13	13	93.559	1	0.10338	192.2492	8.37654	0	0	1
CDH5	10	0.46346	3	7	17.721	5	0.1163	191.5321	8.48721	5536.984	52658	0.19048
FGF1	722	0.5854	7	7	40.874	2	0.1163	203.0464	8.65526	212.5334	2002	0.7619
NGFR	21	0.2148	9	12	40.853	9	0.1163	225.0274	8.94627	8180.563	78900	0.15152
NGF	31	0.20489	12	13	59.471	2	0.1163	229.9274	9.01458	7227.531	92966	0.17949
NLGN2	121	0.64826	5	6	4.422	1	0.10338	151.9718	7.52536	1036.345	10136	0.66667
PER1	2	0.30779	2	2	1.209	1	0.00409	2	0.00819	0	0	1
CRY2	2	0.30779	2	2	1.2	1	0.00409	2	0.00819	0	0	1
MAPK10	16	0.47366	4	8	29.097	6	0.1163	206.4679	8.73996	3334.57	18808	0.25
JUN	5104	0.42792	14	26	87.202	12	0.13292	245.85	9.12662	22422.52	211694	0.12615
NRXN2	124	0.43905	7	7	4.192	1	0.09304	154.5937	7.59231	1049.778	13662	0.57143
NLGN3	120	0.64826	5	5	3.035	1	0.09304	145.7877	7.36961	0	0	1
TGFBR2	156	0.3733	11	11	61.172	2	0.13292	214.5786	8.78642	1269.595	26482	0.4
PDGFRB	210	0.37162	14	14	87.958	1	0.13292	235.1786	9.05694	4256.201	81290	0.36264
PDGFB	9.22E+13	0.43861	41	43	160.228	21	0.13292	269.5095	9.33975	26651.35	469300	0.268
CALM1	9	0.30779	2	9	26.703	9	0.1163	191.7262	8.42163	10811.91	99388	0.02778
MYLK	1.31E+12	0.85945	18	19	101.38	1	0.13292	217.75	8.81374	5105.764	70466	0.68421
PRKAR2B	266	0.28042	15	19	79.94	21	0.13292	234.25	9.04327	13890.2	207222	0.18713
PRKACB	273	0.24286	17	25	111.763	22	0.13292	264.6262	9.3985	41852.62	440000	0.11333
FGF2	904	0.29957	21	21	107.46	2	0.13292	243.7095	9.13071	3837.379	56302	0.25238
FGFR1	721	0.71324	6	7	45.779	1	0.1163	207.0631	8.71264	400.0392	5842	0.71429
NRP1	27	0.29157	8	12	44.435	3	0.1163	209.5845	8.73723	6591.505	77134	0.19697

WWTR1	12	0.46346	3	8	20.109	4	0.1163	197.4202	8.6129	3435.943	17562	0.17857
TEAD1	6	0.46346	3	3	6.573	1	0.1163	163.5726	7.97076	0	0	1
C1S	8	0.37893	4	4	27.061	1	0.1163	176.0274	8.13744	25.07709	574	0.66667
C1R	8	0.37893	4	4	28.977	1	0.1163	176.0274	8.13744	25.07709	574	0.66667
ACTA1	10409	0.3674	21	22	119.095	3	0.13292	242.1595	9.08836	5174.739	58524	0.28139
GSN	4	0.30779	2	4	34.788	3	0.1163	207.5631	8.714	2666.476	25110	0.16667
VWF	9.22E+13	0.67592	29	29	148.967	9	0.13292	255.8595	9.23592	3580.739	43136	0.50985
F8	9.22E+13	1.1239	18	19	127.475	4	0.13292	225.6619	8.91621	2435.628	16572	0.89474
ROBO1	15	0.38896	5	6	9.982	2	0.10338	177.4587	8.22625	1377.761	11526	0.4
SLIT2	15	0.38896	5	6	8.486	2	0.10338	170.3444	8.09782	1815.435	10734	0.4
KDR	672	0.28202	22	24	114.611	21	0.13292	257.5262	9.3015	18361.56	202466	0.19565
TGFB3	9.22E+13	0.45218	36	36	148.912	18	0.15507	255.8167	9.21679	14551.1	187766	0.31746
TGFBR1	144	0.4296	9	9	55.035	1	0.13292	210.9786	8.75499	680.7743	12302	0.5
PARK2	9.22E+13	1.18699	21	23	20.186	3	0.10338	150.1194	7.20565	2716	19624	0.83399
PINK1	2	0.30779	2	2	3.176	1	0.09304	118.2579	6.27796	0	0	1
ITGAV	1.31E+12	0.31641	51	51	163.33	50	0.13292	275.6095	9.36708	32942.5	741762	0.19843
ITGB3	1.31E+12	0.32983	50	51	163.503	6	0.13292	276.0095	9.37118	26336.43	592364	0.2
COL1A1	9.22E+13	0.87445	38	38	160.178	1	0.13292	238.9	8.92441	6506.277	236752	0.60313
COL1A2	9.22E+13	0.84457	39	39	160.839	1	0.13292	243.7167	8.97906	7826.081	252906	0.5776
VAMP8	8.72E+10	0.46791	28	28	114.805	14	0.1163	235.3631	8.97906	12128.41	142362	0.35714
ACTN1	9.22E+13	0.66201	28	29	146.473	2	0.13292	251.9929	9.18946	5346.079	57064	0.47044
RAMP1	6.23E+09	0.9963	13	13	96.541	1	0.10338	192.2492	8.37654	0	0	1
CALCRL	6.23E+09	0.9963	13	13	98.282	1	0.10338	192.2492	8.37654	0	0	1
PGF	240	0.66569	6	6	56.029	1	0.1163	213.2441	8.82604	13.5489	454	0.93333
GUCY1B3	4	0.30898	3	3	2.139	1	0.09304	139.3921	7.20019	1	2	0.66667
GUCY1A3	2	0.30779	2	2	2.773	1	0.09304	138.8921	7.19882	0	0	1
IGFBP5	9.22E+13	1.06242	20	20	132.604	1	0.1163	222.9202	8.81101	128.83	1142	0.91053
IGF1	9.22E+13	0.76064	25	28	144.338	5	0.13292	248.1262	9.13345	7050.254	70476	0.47884
PRKAA2	49	0.4082	8	9	2.195	4	0.09304	120.4746	6.28753	3609.333	58556	0.38889
LIMS2	2	0.30779	2	2	9.2	1	0.10338	166.9873	8.02678	0	0	1
TEK	13	0.38896	5	6	54.549	1	0.1163	219.1107	8.89162	862.5822	14286	0.4
ANGPT1	10	0.32413	5	5	46.451	1	0.1163	219.0441	8.89298	58.65692	1042	0.5
PARVA	10	0.32413	5	5	23.64	3	0.1163	178.9488	8.27134	133.4481	2826	0.5
ILK	27	0.33284	6	15	74.108	4	0.1163	227.8202	8.95447	7774.155	103844	0.10476

RRAGB	24	0.56839	4	4	1.742	1	0.08458	101.3671	5.36257	0	0	1
RRAGA	24	0.56839	4	4	1.672	1	0.08458	101.3671	5.36257	0	0	1
GLI2	285	0.39514	12	13	32.655	4	0.1163	200.8321	8.60744	6125.845	75408	0.34615
VAMP2	8.72E+10	0.52782	23	28	114.881	8	0.1163	233.4464	8.93397	15844	100272	0.30159
STX2	6	0.46346	3	3	29.059	1	0.10338	180.5349	8.26587	0	0	1
C3	9.22E+13	1.16218	23	48	163.623	10	0.1163	251.3036	9.05557	21483.22	248772	0.36791
CFH	1	0	1	1	14.264	1	0.10338	175.4492	8.12651	0	0	0
VCL	1.31E+12	0.57536	28	32	137.918	7	0.13292	257.6595	9.26461	12754.67	121392	0.33669
TLN1	1.31E+12	0.45099	34	34	142.916	12	0.13292	263.9762	9.33975	15724.81	214028	0.32264
PRKAB2	48	0.4082	8	8	2.082	2	0.09304	119.9746	6.28616	2249.333	48788	0.5
PRKAG2	48	0.4082	8	8	2.198	3	0.09304	119.9746	6.28616	2249.333	48788	0.5
GNB5	9.22E+13	0.63909	55	55	165.568	18	0.1163	256.4607	9.13345	9646.145	141586	0.39125
GNG7	9.22E+13	0.62621	56	56	166.169	1	0.1163	257.2941	9.13755	10520.43	160084	0.38117
DPYSL2	6	0.46346	3	3	7.907	1	0.10338	158.2825	7.81501	0	0	1
DPYSL3	6	0.46346	3	3	7.615	1	0.10338	158.2825	7.81501	0	0	1
FLT4	592	0.37055	15	17	105.388	6	0.13292	243.7095	9.13755	6853.228	98998	0.27206
VEGFC	9.22E+13	0.75644	25	25	137.154	1	0.13292	243.6595	9.11569	1786.185	23352	0.6
FLT1	542	0.43905	12	12	76.973	1	0.1163	224.3107	8.92851	839.7943	14886	0.45455
VEGFB	9.22E+13	0.87216	22	22	133.221	1	0.13292	230.1429	8.97086	540.8053	7208	0.72294
GLI1	300	0.47886	10	14	63.861	5	0.1163	208.7821	8.7181	4427.611	66024	0.32967
SUFU	264	0.58315	8	8	29.609	2	0.1163	194.0988	8.54049	597.5279	14118	0.71429

Supplementary Table 7. Hub genes satisfied high degree, closeness, and betweenness scores in the PPI network

Rownames(tra.data)	A1_OS	Status	TNRC6C	STOM	PTPRB	AP1M1	GPR68	CD93	APLNR
TCGA-BR-6565-01	279	1	2.098440644	6.767497165	3.221661223	4.387275853	4.349676456	5.072918192	4.633759133
TCGA-HU-A4GF-01	785	0	2.657212115	7.004317137	2.736709414	2.938733578	1.997139741	6.149916829	6.290070841
TCGA-CD-5813-01	315	1	3.325580448	7.133017657	3.626205753	3.547643953	3.645256731	6.507957124	7.200892273
TCGA-HU-A4GD-01	399	1	2.508131407	3.8187589	2.893332272	2.59749092	1.34545283	2.84991216	2.213077184
TCGA-RD-A8NB-01	230	1	3.762192192	7.834427792	3.908932049	3.216810466	3.395152572	5.79314211	5.640091772
TCGA-SW-A7EB-01	176	0	2.56815817	6.74455444	2.260054822	3.140642761	2.44813516	4.065416423	4.268431015
TCGA-BR-7717-01	552	0	1.590270764	6.273263955	1.908130029	2.793038423	2.325136655	4.327550227	4.098332563
TCGA-D7-6527-01	75	1	2.849266988	5.624702839	2.332828107	2.50982353	2.703624092	5.002873847	5.93367462
TCGA-BR-4279-01	291	0	2.062245153	8.224480285	3.127478531	2.996616017	3.944373542	6.175675163	5.96399044
TCGA-BR-8368-01	131	0	3.367460119	6.206178509	4.004114764	3.433209598	2.336757588	4.57910637	4.522555052
TCGA-BR-8289-01	81	0	3.604104128	7.359447439	2.873866036	3.226377034	3.907230009	4.541191689	4.303595177
TCGA-F1-6875-01	2197	0	2.615850321	5.401523247	2.429180116	3.416088284	2.807697342	5.122870284	4.835072571
TCGA-VQ-A8PP-01	502	1	3.318457359	6.421527668	3.969530672	3.547540096	4.030305484	4.665014098	3.92524613
TCGA-RD-A7C1-01	438	1	1.93979109	6.425562532	2.449187274	3.199528116	3.050087651	4.557637506	4.86692948
TCGA-D7-5577-01	376	1	2.256569456	6.094046664	2.230337973	3.257627462	2.654396678	3.832179565	3.481431748
TCGA-CG-4301-01	92	0	2.399152765	7.506820051	5.596761264	2.944735743	2.795711038	5.767303097	5.144865065
TCGA-BR-7959-01	1010	0	3.738978694	8.268739671	3.692510304	3.63015922	4.063651277	6.326983536	4.602866829
TCGA-BR-8372-01	951	0	1.627965068	8.050633384	2.588729921	2.901555013	2.799327347	3.615848065	4.090421513
TCGA-CG-4436-01	243	0	1.716789245	5.350023688	2.406503391	2.319358935	1.230663749	4.575633595	3.481738201
TCGA-VQ-A8DU-01	158	1	2.369320438	6.014480947	1.996339722	2.643555906	2.344929161	3.853274443	3.973281541
TCGA-BR-A4J8-01	411	0	3.25028475	7.034100554	3.020076493	2.53070515	2.197080095	4.799957385	4.782698335
TCGA-VQ-AA6J-01	838	0	3.609571731	6.822125802	2.996082739	3.260301993	3.30523146	5.530335016	5.326957504
TCGA-CG-4443-01	912	0	3.526293253	5.994768028	2.999204133	2.967243362	1.222632318	5.208376481	4.976587059
TCGA-BR-7715-01	1023	0	2.367239868	6.243439606	2.880633601	3.607711784	3.597873796	4.842312679	4.738277683
TCGA-VQ-A91U-01	52	0	2.354852675	5.922360113	3.208100519	3.078307218	2.524386669	4.916654188	5.059044467
TCGA-CG-5717-01	120	1	2.404697079	6.958105555	2.443864783	3.266804965	3.513910831	4.902565794	5.284245981
TCGA-BR-8364-01	675	0	4.423381293	8.33202366	3.916463865	3.901157194	3.971942393	6.092003358	6.045120844
TCGA-BR-8683-01	300	0	3.645951273	8.389124909	4.552091171	3.929380779	3.336106829	6.763168365	5.792761133
TCGA-R5-A7ZR-01	185	1	2.265324531	5.949551694	1.66659626	2.464799831	1.181373335	3.520960247	3.934084508
TCGA-D7-A6EY-01	348	1	2.967562313	7.44326669	2.896392381	3.355706131	3.386313614	4.818818878	4.714731618
TCGA-BR-7722-01	466	0	2.840556252	6.58936774	2.339758724	3.226935846	2.626179992	4.198102331	3.60960601
TCGA-BR-8686-01	635	0	4.18753893	7.895545497	4.282719403	3.402092587	2.880654914	5.941148599	5.603358647

TCGA-D7-8572-01	511	0	3.692504368	7.88385773	3.36775677	4.539153331	4.377972677	5.914050099	5.511595464
TCGA-HU-8238-01	46	0	1.61706571	5.988285267	2.152761464	2.410801451	2.276151781	4.621494942	4.304663947
TCGA-BR-6455-01	385	1	1.866324008	6.610150887	2.860331834	3.531898058	2.657706616	5.048113408	4.739093546
TCGA-KB-A6F7-01	1935	0	2.687017284	7.373659111	1.908830513	3.279762856	2.122354425	4.375320496	4.211366018
TCGA-FP-A9TM-01	189	0	3.32426054	6.964508202	2.908214779	2.542717909	2.390402792	4.268976053	4.122602545
TCGA-VQ-AA6F-01	546	1	2.686872671	8.049907823	3.105477846	3.416734774	2.363280988	4.982909205	5.34054795
TCGA-VQ-A91E-01	664	0	3.138729307	6.612107155	2.1015372	2.719507396	2.343515135	4.045253227	3.204073622
TCGA-CG-4305-01	457	1	2.997017348	7.422530684	3.855585467	3.389186959	3.588341888	4.768514181	4.471908839
TCGA-MX-A5UJ-01	600	0	2.595534527	7.251425842	2.844339232	3.121011004	3.530538126	5.707574594	6.308626781
TCGA-R5-A805-01	281	1	2.476923751	6.886210311	2.799576629	2.311126574	2.553710956	5.9511819	4.6503817
TCGA-D7-8578-01	451	1	3.656524616	7.5548948	3.059551232	3.497409194	4.869838509	4.802160737	3.887340338
TCGA-BR-8286-01	895	0	2.613881108	6.834363893	3.335010485	3.05552068	2.253027707	5.384596586	5.531860911
TCGA-BR-8687-01	250	1	3.82427531	6.509600965	4.209420096	3.077741193	2.366455513	4.42732539	4.140256196
TCGA-BR-A4CS-01	45	0	2.282360949	6.138079059	2.120254823	2.371437296	2.369669444	4.866384488	4.825465196
TCGA-RD-A8MW-01	98	1	2.515248628	7.132874601	2.193763199	2.721309206	3.462319761	4.951756806	3.852519134
TCGA-VQ-A8PO-01	256	1	2.769348077	6.960081775	2.975988909	2.907327862	3.75803959	4.51656653	4.441930733
TCGA-VQ-A8PU-01	832	0	3.050084658	5.628606939	2.234418954	2.552880489	1.988129384	4.412775305	3.796726573
TCGA-IN-A6RJ-01	379	0	1.597082486	5.834111007	0.903930817	2.679103141	2.412711939	2.805630517	2.179602862
TCGA-D7-6521-01	192	1	2.351021477	7.429563657	3.573366824	3.641336257	4.961323962	5.536052716	5.809673362
TCGA-BR-8484-01	766	0	3.27025408	7.04246181	3.789787782	3.312819106	2.805354588	5.476310046	5.309442272
TCGA-CG-4444-01	1431	0	2.195325388	7.462106934	4.067913144	3.208227204	3.154717368	5.570224294	5.297681889
TCGA-BR-6458-01	574	1	3.127274835	6.409134345	3.071530758	3.494262236	4.227274013	5.747277087	5.829211681
TCGA-RD-A7BT-01	123	1	1.569038824	5.387097364	2.856530271	2.754154978	1.771509905	3.605721371	3.374234297
TCGA-CG-5718-01	1095	0	2.436274182	5.831732965	2.280314633	3.010269605	2.179498969	4.639551824	4.21094701
TCGA-BR-4256-01	284	0	2.708951128	8.165691523	3.409423838	3.920464048	3.995190414	6.453688629	6.451021049
TCGA-HU-A4GU-01	200	0	2.738087114	7.030253642	2.904850604	2.24853939	2.989072515	3.829236402	2.8341568
TCGA-BR-6852-01	1367	0	2.313907158	7.926992402	2.325525971	3.377549648	4.293810977	5.097445164	4.865285774
TCGA-BR-8059-01	439	0	3.143401061	7.590820113	2.948775681	3.179730831	4.269224718	5.425719638	4.878965225
TCGA-BR-6705-01	779	1	4.227614864	7.910088215	4.130208243	4.042094425	5.200212203	7.312062204	7.779422986
TCGA-D7-5578-01	385	0	2.268788373	6.341578223	2.701590411	4.799398028	3.996580394	5.419556313	6.184197641
TCGA-IN-A7NR-01	198	0	2.620190302	6.778446818	2.358335303	2.710620914	2.869293906	4.071454506	3.835879519
TCGA-D7-6815-01	486	0	2.645093607	6.632597164	3.45820912	3.387361378	3.80606026	4.508218329	3.854791883
TCGA-CD-8533-01	226	1	3.773842212	5.878659981	3.289979002	4.335093615	2.699490607	4.563994995	4.996446801
TCGA-VQ-A924-01	1686	1	3.456011337	7.086328899	2.194515349	2.03232707	3.747476657	4.414099038	3.719498964

TCGA-BR-7958-01	899	0	2.302910207	7.087027432	2.277539757	3.520833744	4.182431894	5.331176153	5.35029815
TCGA-VQ-A91X-01	289	0	2.166155887	7.082648208	1.914409689	3.651113937	0.826547836	1.681827036	1.254341647
TCGA-CG-5726-01	881	0	2.65098733	5.344129741	1.795446003	2.837187657	1.478940566	3.759321281	4.419762632
TCGA-CD-8534-01	201	1	3.240203245	6.277721947	3.492481191	2.706350516	2.284443798	4.922973148	5.108587734
TCGA-VQ-A940-01	185	1	3.321989124	5.782999705	2.853619852	3.749829028	2.71191574	5.508592408	4.563431568
TCGA-BR-7901-01	91	1	3.573685778	8.026118091	3.641353725	3.400308573	3.413309418	5.835481688	5.624769124
TCGA-HF-7134-01	1588	0	2.290980943	6.559789678	3.873617206	2.370956691	2.582383994	6.850223391	5.183823349
TCGA-BR-7196-01	348	1	3.700905129	8.107070159	4.219037872	3.643925337	3.884877967	6.542152046	6.70773412
TCGA-D7-6526-01	523	0	1.689424605	6.415742912	2.89534299	3.119886326	2.181435572	3.826443332	3.462554627
TCGA-CG-4469-01	215	0	1.375601176	7.648451128	2.289162742	2.474192935	2.217986296	5.652454003	5.317411972
TCGA-F1-A72C-01	343	1	2.006686422	6.79643686	2.330344099	3.350305927	2.969651352	4.798551003	4.362588566
TCGA-BR-6707-01	426	1	1.885544682	6.124900072	1.854637374	2.738035944	3.128596444	4.138684561	2.940818643
TCGA-CD-8527-01	159	1	3.072484381	7.174240907	1.887195135	2.711526177	1.350447297	3.160694557	3.316284502
TCGA-D7-A4YX-01	1108	0	3.202115189	5.923021868	1.968099331	2.930025999	3.317468709	4.225096317	3.300285684
TCGA-VQ-A91N-01	438	1	3.747529762	6.039914071	2.939238643	3.031062415	2.347497489	4.521417539	4.150142237
TCGA-F1-6177-01	200	0	3.165775276	5.126364802	3.143939838	2.43964123	2.676080132	4.602135073	3.322257653
TCGA-D7-6522-01	566	0	3.370697671	7.168834667	2.902484131	4.123104873	5.147790988	5.910871234	6.659166536
TCGA-CG-5721-01	183	0	2.234310989	7.01907257	2.260749427	2.998466093	3.933018163	4.534315718	4.109660683
TCGA-D7-8576-01	204	1	3.264317446	7.359699052	3.377177836	4.060617123	3.093138177	5.833315144	6.11021883
TCGA-BR-7716-01	1210	0	3.007948963	7.210054412	3.288324979	4.087346858	2.816747585	4.380396204	4.602913245
TCGA-D7-A4YU-01	500	0	3.444319777	7.619936606	3.624947411	3.674895131	3.1412386	5.589153419	5.531953611
TCGA-VQ-A91Q-01	551	1	3.977667493	7.06731823	5.487498394	3.390914322	3.173068299	6.373630372	5.938601687
TCGA-BR-8486-01	615	0	2.526411564	7.639486441	3.468187213	3.378198297	3.060406271	6.28204452	6.043891854
TCGA-VQ-AA6A-01	1184	0	2.871686778	6.576241189	2.927915948	3.427221002	2.30798779	3.858549646	4.118396433
TCGA-VQ-A8P5-01	235	0	1.852569081	6.262165092	2.915973147	3.049626607	3.361591064	4.709714813	3.684489449
TCGA-VQ-A94P-01	81	1	3.95789015	9.339827074	4.221126053	3.705467736	3.400722127	6.559264968	6.614174468
TCGA-RD-A8N9-01	1083	0	3.487287556	7.397657622	3.668064974	3.209912038	5.179997445	6.610872241	6.882348465
TCGA-VQ-A91D-01	351	1	3.36353165	5.493931497	2.314835169	2.461121513	3.143954252	4.481650567	4.163744523
TCGA-VQ-A8P8-01	942	0	3.016679257	7.145180352	3.357802285	2.784286894	2.908850966	5.495754378	5.534501046
TCGA-VQ-A94U-01	819	0	3.415327006	7.016676828	4.148555279	2.929893134	3.462029429	5.636897604	5.65615856
TCGA-CG-5732-01	1949	1	2.662010409	7.064658837	2.175397129	2.969621646	2.464972292	3.921656677	4.425108232
TCGA-HU-A4GJ-01	547	1	3.556387082	6.336889996	3.166066743	3.518189893	3.429132538	4.787182585	4.281415744
TCGA-MX-A663-01	218	1	3.696818758	7.986257469	3.719863583	3.755851497	3.261008687	6.447453609	6.963699199
TCGA-VQ-A928-01	148	1	5.257302398	6.795050461	3.742591805	3.216263724	4.008134094	5.89331271	4.909851799

TCGA-VQ-A91S-01	1000	0	2.177958311	6.794516805	3.576650788	3.184480371	2.071922756	5.549783012	4.5985953
TCGA-VQ-A925-01	138	1	3.031783574	6.288572252	3.68185204	2.865456393	2.623638243	4.585277379	4.251614151
TCGA-VQ-A8PK-01	263	1	2.629290972	7.358549887	2.574984524	3.029734439	3.534021918	4.793004653	2.937292827
TCGA-BR-7704-01	1072	0	2.471359312	6.196155746	2.380534445	3.787647368	3.583741852	4.122832129	4.463815674
TCGA-HF-7133-01	1918	0	5.901184843	7.653159222	2.732650115	3.516596546	3.411880948	5.82305636	5.679080099
TCGA-D7-6525-01	171	1	2.326725415	6.90912223	1.422538065	3.56914113	4.620952715	4.353527147	3.840749177
TCGA-CG-5719-01	31	0	2.850068301	7.398558878	2.804136747	3.619420139	3.953757342	6.320156004	7.356540575
TCGA-R5-A7ZF-01	259	1	2.166488844	6.166431314	4.238793844	3.513372469	1.914409788	4.546046693	4.278892031
TCGA-CD-5800-01	400	0	3.3530912	6.196964704	1.680593653	4.05152511	2.762683004	3.919462388	4.466098636
TCGA-BR-8295-01	67	1	1.935228736	6.102327463	1.755943396	3.975931211	1.660093359	3.890688632	4.112101036
TCGA-BR-8369-01	419	1	3.518816023	7.439191019	3.333690779	3.00419406	2.37348159	5.207124548	4.794557028
TCGA-VQ-AA6K-01	332	1	3.428227687	7.42563017	3.459877852	3.046030081	3.074775823	4.966856046	3.735959627
TCGA-IN-7808-01	105	1	3.597878683	6.172050722	2.241147319	3.291629173	2.986573353	4.023759967	5.905926722
TCGA-HU-A4G3-01	170	0	2.447348266	6.146200362	2.255957613	2.517126352	2.135245342	4.421879258	4.393426393
TCGA-BR-6802-01	807	1	2.689538282	6.256142599	2.45170498	3.373490141	3.558617906	5.085412451	5.139993805
TCGA-F1-A448-01	647	0	2.805500824	6.927177938	3.001631096	2.386560319	3.517876201	6.30696268	5.890881403
TCGA-IN-AB1V-01	479	0	3.03366617	7.374737367	2.703728908	2.814290667	2.520034265	3.411570974	2.779153722
TCGA-IN-7806-01	1106	0	3.105000749	6.100130987	3.5527321	2.828166114	1.627982436	4.65301167	3.398449569
TCGA-BR-6801-01	1223	0	2.311210474	6.156982436	2.504428991	2.792241464	3.520497328	4.079287408	3.230321663
TCGA-B7-5818-01	356	0	3.559389311	5.411916857	2.383093054	3.672558457	3.145834086	4.03176982	4.051912421
TCGA-HU-A4GP-01	273	0	2.048179631	6.553592828	2.707138959	2.481764763	1.353691142	5.425025324	4.787966017
TCGA-BR-4253-01	124	0	1.587331359	7.49111693	2.638571717	3.535014865	2.785903231	5.011960234	3.718228112
TCGA-VQ-A8E0-01	531	1	3.305632412	7.627995113	2.600984293	3.405791828	2.495034739	5.645476399	5.539213048
TCGA-IN-A6RR-01	205	0	1.953915522	7.187186536	2.671858308	2.735266775	1.580461202	4.199874437	2.816513233
TCGA-CG-5725-01	153	1	3.373105715	6.530955995	1.761161161	3.027702824	1.597967459	4.249029908	3.589154275
TCGA-EQ-8122-01	243	0	2.872361394	7.204569175	3.172257427	3.400835796	3.280145936	5.99611772	5.965661684
TCGA-VQ-A8E3-01	538	1	3.058049446	6.12034595	2.640530544	3.404382746	3.099790128	5.408200384	4.99961152
TCGA-HU-8249-01	881	0	2.703536715	5.687481387	2.173949997	3.213160054	2.496558103	5.087253966	4.883410042
TCGA-BR-6453-01	485	0	2.766111514	6.515085225	2.995882034	3.061005717	3.525152282	4.928432738	6.163555056
TCGA-BR-4201-01	940	0	2.243867271	7.926575623	2.793212713	3.289183431	3.719342864	5.808878229	5.537587409
TCGA-B7-A5TI-01	595	0	2.807239853	7.543967167	3.527706791	2.994030591	3.277633609	5.966259013	5.439533024
TCGA-CD-A4MH-01	371	0	2.885475327	5.374701486	2.007614313	2.05607601	1.780275041	2.816789228	2.691283097
TCGA-CD-8535-01	390	0	2.680304757	6.864916354	2.165044389	3.337679214	2.35038151	4.67857165	2.325555674
TCGA-BR-8592-01	191	0	4.139223957	8.441684594	3.650115137	3.468947654	3.280607483	5.75853332	5.608289248

TCGA-VQ-A8PH-01	377	1	2.793846807	5.254944545	2.150780222	2.970566608	2.113505742	3.430731733	3.258184831
TCGA-CG-4477-01	365	1	2.280493518	7.653829804	5.203579414	3.226771212	2.357638841	5.184081379	4.540227909
TCGA-FP-8210-01	153	1	4.28928821	8.036014962	4.29836332	3.837696466	4.722010666	6.762228885	7.280060266
TCGA-HF-7132-01	2351	0	3.457287783	6.918822582	3.4139308	3.026591263	3.670462276	5.182344125	4.840674682
TCGA-HJ-7597-01	231	1	3.320519436	7.397280498	2.260943382	3.877545624	2.74053111	4.019432263	2.730823322
TCGA-VQ-A91K-01	1862	0	3.250790987	7.089533139	2.754640199	3.128864506	3.460798371	4.543743759	4.306304829
TCGA-BR-8361-01	946	0	2.33505999	6.067071802	2.32978139	2.846593406	1.556659027	4.694542534	2.100340727
TCGA-VQ-A94R-01	1018	1	4.342986376	6.554390478	3.753724926	2.908974751	3.924335305	5.172139657	5.279284648
TCGA-FP-8209-01	1676	1	4.752696319	8.971679326	4.261945979	4.262656922	4.556533633	6.743027369	6.073608405
TCGA-BR-8081-01	981	0	2.971626675	7.062421388	2.406623174	3.412598033	4.48658908	5.180478508	5.217997998
TCGA-FP-8211-01	413	0	2.530322372	5.784561162	1.932382106	3.109374617	2.518665442	3.872560426	2.740504058
TCGA-HU-A4G2-01	739	0	2.678959678	6.52938037	2.825001398	2.433299753	1.614106294	6.114903633	6.568710499
TCGA-VQ-A92D-01	2032	0	2.869113187	7.45982104	3.1300919	3.769094089	2.944438168	4.677500134	4.232126311
TCGA-VQ-AA6D-01	521	0	3.285133332	8.127078599	2.121565371	2.470293342	1.846542888	3.660792691	2.445680282
TCGA-HU-8244-01	742	0	2.380338287	3.985587694	1.859459917	1.795644376	1.052723403	3.278238813	3.887533774
TCGA-R5-A7ZI-01	2267	0	1.842636746	6.134794265	1.095800835	2.232921392	1.912500272	3.690861413	3.381952989
TCGA-CG-5724-01	122	1	1.207536214	6.37704979	1.691775819	3.717224623	4.010770427	4.344192877	4.183845805
TCGA-F1-6874-01	440	0	3.649762909	7.457565979	3.249116434	3.437467988	3.652852371	7.175343547	6.668036325
TCGA-BR-8680-01	972	0	3.837989782	5.220281858	3.063472076	3.456751301	2.450496103	2.406669219	1.663587524
TCGA-VQ-A8PM-01	57	1	3.52311825	7.049320024	3.628635207	2.700595404	2.949992853	5.744163587	4.818331255
TCGA-RD-A8N4-01	2171	0	3.77888817	8.932930174	3.628169001	3.351035406	1.98293184	5.13992581	3.207818059
TCGA-BR-8590-01	223	1	3.491465845	7.884034122	3.869569279	4.102826954	4.09767269	5.548423898	4.805625738
TCGA-BR-8384-01	113	0	4.585995092	9.088331483	4.373311552	3.849416566	3.862754401	6.665956259	5.387173261
TCGA-D7-6524-01	543	1	2.928557033	7.911665405	3.672904953	3.882865386	5.018886874	7.023343266	7.850125817
TCGA-KB-A93H-01	1145	0	2.420208622	4.999569326	2.251004409	2.088424999	0.617006306	2.819465311	1.804236548
TCGA-VQ-A8E7-01	1048	1	2.583683977	7.54251328	3.140651215	3.182347791	2.406060514	5.207696718	4.496043365
TCGA-BR-8682-01	991	0	3.929518514	7.556901221	3.895590038	3.256675069	3.489941171	5.748917963	5.232505491
TCGA-HU-8602-01	679	0	3.641430274	6.85617858	1.975245515	3.476554096	3.51353383	6.300887647	5.360071668
TCGA-CD-5804-01	368	0	2.0427226	7.634824638	2.694724896	3.432230215	2.363702248	5.035787104	4.804582736
TCGA-CD-5798-01	408	0	2.65834149	7.693082215	2.337211515	3.648747363	4.370202606	5.040808113	5.210739844
TCGA-D7-A6EV-01	342	0	2.029787105	7.3750823	2.473089428	3.52335672	2.411306058	3.956724062	3.76374021
TCGA-HU-A4GT-01	198	0	2.060932792	6.953463138	2.81351858	2.228057641	2.141947693	4.122576907	3.735770784
TCGA-KB-A93G-01	613	0	3.568190883	8.144469487	4.257470018	3.832049149	5.841488997	7.832286247	6.209807863
TCGA-RD-A8N1-01	3519	0	3.46215071	6.446152131	3.305281971	3.100876895	3.552002757	5.109540494	4.980540946

TCGA-CG-5723-01	3196	0	2.036225372	7.30845544	1.714857143	2.9522	3.069573174	4.11280609	3.874817951
TCGA-D7-6528-01	463	0	2.405479577	5.82145791	3.145717261	3.22533368	1.73350747	4.319282335	3.651158392

TACR2	GPR17	NMUR1	TLL1	QKI	CCL11	GPR4	EDNRB	AVPR1A	COL4A4
4.933514285	0.482487882	1.375316316	0.445472264	3.366386136	4.266928893	3.288306616	2.37187158	1.361835765	1.485001123
0.395441685	0.293925974	0.83009124	0.6197512	2.828048888	3.131161148	4.165787261	3.092731124	1.983437023	0.425578976
1.526445322	0.373271635	2.937224074	1.541796133	4.065864888	4.829814054	4.568321548	4.432587653	2.739271067	3.488920671
0.580993163	1.216564227	0.842960298	0.53176188	1.841329151	2.180362432	2.296739762	1.957982024	0.517316768	1.025021428
5.514287106	1.5970662	1.482564242	1.977499701	4.048461647	4.646095494	3.174219187	2.619514468	2.110553583	2.251392523
1.242040672	0.390998965	1.429102952	0.324999329	3.552221898	4.777199716	2.553902261	3.938538314	1.460988561	0.565768955
4.005814381	0.361672085	0.990655367	0.376169773	2.402372881	3.57676	3.326777367	3.295706099	1.618380339	0.71823998
1.113399744	0.239584817	0.960048046	0.390527565	2.253943981	6.377580825	2.863671008	3.325373319	1.240732265	0.654361734
4.233389357	0.438321329	1.671399254	2.093444649	4.742115085	7.011961344	3.279153486	4.679859279	3.198546864	2.453480653
1.657053684	0.333726631	1.401575232	0.238752011	2.118758627	4.616639223	3.011066966	2.815986998	0.496818151	0.9079139
4.484097274	0.605482513	1.817493696	0.606544156	4.162364129	4.771140902	2.702997993	2.574634614	1.260835706	3.123861575
1.146402848	0.271197073	0.416820865	0.197704586	3.445752329	0.259303883	3.766119246	1.421131751	0.32123958	0.280612747
1.876208765	0.522172363	0.436379104	0.485486732	4.417489209	3.630005238	3.29909538	1.968538305	1.296884882	1.944809798
1.250733019	0.912067522	1.027651331	1.429524508	2.690390693	5.780627781	2.74080677	2.471877127	1.305744265	1.109429834
2.404673473	0.317913689	1.228452306	0.172910244	2.951349715	4.127391553	3.106599607	2.34570002	0.275977294	0.557651805
1.08691955	0.557348517	0.758911825	0.823108152	4.247490311	4.605641324	3.916932766	3.557093991	2.530818813	2.05326696
3.4952524	0.766909501	1.707366962	1.062942132	4.581606299	5.31268148	4.215549056	4.328783679	2.044969399	3.445205449
2.409526246	0.147714051	0.710312736	0.456171171	3.245918596	3.693044017	2.299877323	1.931382488	1.340026942	0.551528593
0.538991424	0.238021629	0.457917665	0.107477782	2.425020226	4.516289417	2.792932578	2.886609672	0.86902288	0.101151038
0.619345875	0.253516017	0.821757484	0.327312676	2.496805083	5.700747629	2.647192851	3.596966619	1.323673423	0.979257372
5.713973561	0.951338009	1.172018405	0.84650865	2.935498808	3.637976519	3.612756119	3.248833891	2.043039142	0.765601378
0.647492574	0.179946239	1.218408903	0.385830088	3.481622073	4.216689701	4.399870596	2.923553036	1.362827456	1.824958039
1.068372202	0.190047753	1.423301888	0.263022093	2.765635261	0.061524894	3.554257229	2.962998814	1.177204072	0.307480616
3.791418251	0.144750752	0.857592499	0.432722526	2.904369639	5.095065595	3.747294497	3.818550182	1.854331642	0.459538771
0.442142675	0.174395147	0.968923933	0.285704697	2.86234727	3.141527158	3.732002171	2.941211031	1.223591833	0.591094383
2.993497652	0.317305985	0.775300416	1.356074909	4.000774502	5.248542956	2.828551703	3.244981842	1.518726699	1.273937057
6.310942761	1.888506498	2.770909977	2.519600205	4.989907377	4.824915702	3.244066243	3.502836649	2.778257774	2.767618785
4.042197713	1.259170303	1.814646599	1.913063054	4.491524222	4.56881066	5.129456061	4.983980457	3.136652256	3.101209118
0.982293515	0.716090233	0.349325046	0.034249236	2.126274377	1.32612716	2.396787859	3.561098058	0.398568642	0.429735494
3.465204932	0.70627608	1.521160743	0.506407819	3.373089944	5.046615669	2.90439822	2.320590163	0.710647839	2.401490437
4.002061609	0.395060096	1.471112024	0.284299773	2.73279811	4.001855661	3.250731387	2.537154793	0.757561149	0.649246953
4.879428141	2.256353795	2.302691776	1.157383429	3.93151175	5.987296761	4.141214607	5.372117064	3.510319183	2.843968887

3.859091883	1.268068128	1.591977815	1.073225606	4.102646179	5.251053315	3.836087869	3.780801749	1.999503362	2.300169523
1.110559425	0.103225818	0.645858222	0.413442157	2.237676053	5.118836658	2.86278195	2.757215901	0.845893163	0.816252072
3.117343371	0.297771559	2.631923574	0.753697517	3.267906238	5.292167728	3.257993783	2.103413251	1.353292731	1.992450221
0.927700808	0.810886591	1.260816906	1.050583479	2.93954972	3.87878092	2.406322481	3.739089627	0.711162162	0.568365945
0.771849012	0.732263457	0.473277728	0.472408119	2.936538143	3.153463328	2.574338216	3.153676363	0.730333708	2.221429822
0.864135061	0.983299866	1.023238044	0.487401488	3.179849438	3.008796822	3.76422944	2.9417254	0.963438949	0.972043281
0.751850632	0.483067173	0.592208712	0.274645289	2.699018663	3.798879601	2.380391634	3.166752654	0.617712381	1.169434363
1.819134969	0.56952466	1.227672024	0.793921778	3.786064733	3.811669366	2.580249074	2.283251819	1.73403575	2.224499263
4.934326776	1.791344511	1.035041793	1.384063329	3.223674268	6.155055124	3.539539241	2.836309921	2.182587455	2.379416266
1.358181114	0.194162578	0.542966213	0.879537951	3.625217588	4.14336032	4.190712956	3.019954068	1.814187365	1.143216082
3.321397943	0.851669495	0.892790709	1.276926542	4.075437426	4.824293336	3.147018138	3.10098796	1.326729038	2.172215523
2.470919816	0.258244001	1.207724897	0.611497323	3.814630722	5.526286906	4.033116025	4.473474702	2.378499245	1.346700607
2.917807061	0.198709289	0.646499776	0.461100548	3.019761698	2.953466119	2.405531617	3.576204582	1.417754778	1.560514397
3.904746765	1.58894831	0.46843365	0.332294812	2.808718429	4.515949819	3.743069666	2.675717053	1.567856385	0.37476205
3.328236324	0.495681846	0.478410549	0.406695742	3.436656101	5.340833441	3.719021388	2.719519062	1.443852655	1.186254738
0.781870865	0.336402451	0.373383947	0.175699489	2.808637344	4.30593695	3.389372973	1.759550726	1.086784419	1.077615928
1.230650838	0.154571979	0.665558395	0.067899366	3.132138644	0.417856303	3.450384046	3.063831322	0.764740961	0.279400714
1.072539464	0.35875332	0.156166508	0.412315679	3.109092808	1.950589584	1.434215094	1.168809125	0.295869412	0.260794742
1.314823194	0.294457297	0.784124403	0.634832771	3.566431831	5.317757912	4.139286148	3.304581151	1.136219746	2.676672344
0.575727962	0.408917231	1.555081479	0.71590007	3.819015073	4.030493098	3.186981432	3.780633009	1.549572155	2.105538392
0.40796842	0.342153793	0.858270767	0.617859839	3.321020565	4.953274335	3.113945918	3.107523865	1.359535475	2.052162766
1.187589578	0.394394472	2.449576846	0.578751188	4.229950256	3.635531022	3.507303668	3.368198421	1.527373262	2.863053676
0.390636675	0.313937604	0.669606466	0.083173772	1.885216458	2.003187321	2.542492444	2.418545666	0.866692955	0.208950843
0.998727034	1.40583464	0.509577911	0.086666473	2.353569457	3.9976342	4.288675288	2.43328469	1.564878386	0.334192127
4.87567562	0.709112675	0.968875809	1.8803412	4.931430114	6.684684304	4.034183736	4.535458959	3.073386647	3.241142483
0.427065725	0.10649847	0.478157847	0.038723151	1.887546625	2.472894484	2.605481904	0.882404789	1.246511412	0.32775178
0.845002018	0.217884274	1.712625351	0.47586703	3.331944473	4.964249684	3.604429954	2.40568286	1.451186981	0.787522276
5.357782027	0.473022932	0.819769354	0.883352158	3.930368238	5.406914222	4.143828891	3.230322821	2.2947795	1.11489008
4.312244668	1.795915054	2.780726562	1.721747722	4.368197689	5.70682452	5.128179042	5.085582879	3.84187767	1.824572128
0.877808794	0.517420083	1.791123153	0.429031476	2.866132663	7.748162724	3.713943727	3.398073771	1.34815763	1.350079973
1.416752757	0.534777235	0.478914274	1.044213212	2.938285886	5.169501505	2.303905337	1.655958465	0.754228499	0.821401525
1.41853299	0.074361052	0.88165793	0.145917189	3.092990315	3.382321138	2.751702971	2.868360296	0.787922388	0.699085932
0.787441984	3.177165695	1.503779764	0.534704186	2.414645144	3.023104032	2.760322268	2.190059652	0.820228296	4.292587301
3.115074911	0.878975964	0.930598154	0.454361335	2.863921099	2.736545607	2.816881714	2.155079342	1.149678143	0.700060887

3.721069857	0.349751583	2.049058991	0.524438127	3.749127595	5.681994914	3.949125084	2.659007232	1.427431027	1.700170333
0.409256784	1.096967188	0.246949849	0.061203298	0.706527117	1.248688098	1.252150743	1.319200071	0.234065213	0.140764466
1.186196056	0.026134856	0.289332843	0.176098346	1.362623757	2.734763426	2.345719744	2.366860375	0.390839107	0.851458228
4.321030416	0.614256203	1.548013132	0.570114209	3.25804524	6.511775566	2.407030291	3.345152357	1.746236801	2.523176787
0.092249215	0.168907077	1.335291657	0.309671606	2.551566958	3.140519526	4.042329342	4.160415632	0.960368364	0.53150683
5.276778182	1.546959689	2.036359147	1.010051798	3.925057823	5.231401564	4.402423973	4.854843802	2.557976134	1.631103171
0.986675924	0.142455077	0.692763317	0.821915607	3.217969168	1.6313669	4.747880769	3.544744458	1.236258523	1.191555082
4.844746578	2.465711427	3.534697974	2.352557626	4.301490794	6.121616291	4.754586933	4.649090155	3.192639587	2.79965976
3.014727732	0.39745529	0.494338606	0.180283946	2.1674018	5.07431165	2.298138884	2.063374985	1.000710012	0.749367654
0.784618226	0.175630242	0.518524075	0.383548927	3.110220543	3.466572715	3.528710568	2.208070325	2.130203401	0.253623754
1.750057709	0.114533299	0.398190082	0.395499653	3.124220238	3.644428873	3.725464232	3.007623489	1.895394355	0.543215557
1.28500266	0.340594105	2.268160026	0.249877558	2.823983701	4.083345643	3.3606418	3.008965577	0.539272606	0.89168583
1.587143058	0.344066365	0.535937693	0.185838148	2.901463253	2.954275192	2.874435255	1.840979383	1.591289769	0.31129706
0.353714435	0.020372734	1.120890376	0.118823238	3.181166681	4.886842341	3.161465115	2.354371693	0.588081816	0.561711587
1.130552911	0.300083909	0.653326241	0.506067344	2.33194324	4.503501266	2.540224821	4.240560594	1.184776227	3.627083777
1.113774446	0.330113	0.384497923	0.051747	1.999939939	4.194705438	2.997754089	0.728952348	1.320300774	0.115411474
1.077347902	0.361726093	2.295414259	1.288019364	3.877520947	6.716714351	3.71323748	2.64964169	1.50328069	3.093943686
3.296332524	0.866052413	1.480149208	0.486408528	3.462007156	5.40082641	2.738040769	2.180058606	1.059227234	1.035182733
1.266151394	0.417538218	0.506001275	0.491918243	3.391695615	5.198790034	3.74277439	4.008315661	1.94987232	0.446160948
2.593381586	0.478571544	1.061819611	1.312374041	3.436876193	4.060107295	3.059733188	2.963376206	1.478346194	1.235567351
4.69135412	1.2103404	1.011321229	0.787728041	5.288200113	4.88969224	3.287221588	4.745565487	1.50208167	2.627379796
1.186780272	0.879714938	0.561906648	1.296666823	4.041751863	5.392276611	4.431746572	3.538565836	2.596512751	3.724425108
0.31269554	1.070196482	1.425203336	0.348154185	3.283638412	5.285215917	4.859436998	4.689658368	1.852513786	0.510486249
1.010158316	0.544133976	0.455275383	0.203469153	2.175688287	2.827967308	2.225361232	4.037180703	1.551818018	2.462519911
0.992285178	0.506839929	0.621314692	0.704295393	3.355191211	4.691725287	3.565315047	2.539818322	1.25659163	0.896198287
7.989176846	2.330580703	2.305783226	3.22787127	5.095501731	4.658390555	4.127007314	3.68448431	3.960020714	1.667080319
3.279721669	1.035939793	1.155425435	1.295559827	4.137134345	6.576354177	4.766376721	3.798089778	2.686599359	3.673478953
1.254049841	0.053157403	0.648391981	0.23052294	2.781986922	0.667607365	3.036335498	1.975441145	1.818617457	0.317920686
1.175576599	0.839397591	1.423797921	1.294461151	3.296674559	5.56846704	3.779943814	4.605782351	1.716886483	1.585036725
1.159806125	1.069321255	2.050513776	1.48714861	3.381049137	6.39934909	3.945357122	4.568622613	2.675075736	1.624456143
1.173804555	0.219893469	1.084134222	0.32354241	2.131043675	4.539382718	2.613030658	2.676744226	0.322795061	1.157754973
0.527708516	0.813335986	0.738313091	1.219368702	3.730092546	5.079765767	3.035501499	3.746445635	1.199160275	3.003641849
5.485458534	2.260548592	2.753836716	1.871515747	4.282678476	3.661584642	4.318019079	4.062904062	3.099658742	1.139230939
2.100110202	0.58765456	1.381960315	0.63734123	3.909175345	5.282714575	3.706143701	3.628610548	1.368931273	5.639277752

1.276298852	0.273870528	0.680905749	2.3216946	2.772953058	3.088059246	3.564374832	4.109836346	0.787178813	0.370415909
1.124995091	0.645420867	1.363398337	0.379079436	2.636765759	4.438352843	2.663410856	3.344977197	2.185166498	2.335583852
1.072621273	0.769014187	0.475258064	0.144401915	3.6886353	4.62990615	4.107690092	2.855634241	2.59405248	1.389858264
0.88509798	0.436135102	1.079555337	0.161876999	2.741031913	5.796689283	3.518611959	1.864871321	1.14183242	0.79673616
2.381543251	0.027994988	1.546041784	0.592553554	3.76060816	4.407775583	3.738510983	4.558688743	1.38677116	4.016122395
2.188040686	0.512845257	0.783648416	0.330005803	2.603503508	4.549655683	3.041729221	1.671269427	0.526669359	0.7751655
3.686888199	0.533717832	1.006356868	0.827054175	3.518325638	6.260078723	4.605265843	3.556090471	2.863358301	0.863615876
1.112754177	0.459316133	0.426640486	0.360633977	3.460571938	2.987175008	2.72325996	2.316385216	0.721859327	0.635246328
0.330456654	0.652433641	0.702599243	0.09152956	2.369375257	3.190252748	3.3498956	2.344223359	0.875386594	0.73311547
0.265905009	0.587914248	2.558063235	0.554164432	3.427707553	1.775402532	3.278979538	3.107625805	2.412538307	0.928171505
5.402948592	1.655258973	1.642093768	1.49418419	3.681703972	3.293816265	3.152931616	3.290228379	2.866536715	1.942723602
1.79819354	1.353232381	1.138121307	0.385958915	3.433167987	5.80064285	3.016421136	2.95969431	1.03187929	1.618858322
1.749909476	0.592701509	2.332541447	0.51016095	3.312191431	1.450789225	2.627124014	4.586167826	1.367788671	2.90144831
1.078623663	0.277469392	0.628985027	0.313854188	2.52311664	3.959369843	2.673238895	3.708448705	1.157408627	2.42947757
1.254013359	0.648136449	1.794455708	0.426573094	3.464826169	5.664552094	3.744471715	2.451246047	1.664446965	0.689178346
0.794719319	0.577408755	0.576566292	0.67209571	3.424594007	6.220196289	4.073392002	4.159553781	1.534532008	3.582979697
3.726965818	1.046883818	0.851400499	0.943388453	3.570338431	1.891914658	1.307959041	1.409811515	0.594765421	1.899876979
4.729892194	1.080218465	0.714795104	0.736769276	2.52102029	1.08758959	2.728709105	3.130305675	1.383557529	1.084129122
5.022278968	1.915283203	1.319965543	0.17790013	2.501496922	3.12826498	2.743022219	1.936078197	0.462988059	0.401267732
2.948046906	0.106036792	0.882965333	0.1005991	2.393346679	3.451968863	3.306768887	1.699597626	0.681257284	0.202854056
0.545690027	0.622052495	0.295587794	0.450889101	2.251990104	4.240577802	3.504441942	4.361979865	1.132391658	0.395364758
0.882529346	0.07356497	0.593036011	0.312073263	4.120481799	5.003598625	3.512386858	3.561142034	1.527290419	0.597482016
1.050233242	0.253192422	0.541763244	0.475668434	3.019043179	3.17150293	4.009782609	3.144341532	1.380758323	0.363498007
1.229685589	0.221806979	0.447222765	0.669152681	2.227432865	2.712358587	3.374630107	3.326296279	0.590923895	0.638101556
1.993923021	0.052216992	1.191277173	0.082558633	2.305161374	3.674644195	3.674640917	3.313726508	1.068925731	0.907283116
4.045752258	1.431373216	1.241543367	0.88730125	3.143869609	5.465573271	4.215300095	3.711165492	2.012615833	1.02021776
1.945172608	0.363144429	1.730358569	0.592811358	2.899240748	4.646654829	3.69693818	2.861839964	1.131977642	0.887435677
2.147458753	0.361690212	0.943391145	0.369188581	2.599886172	3.157782557	3.983508482	1.913738024	0.99892174	0.625655494
0.725372245	0.442852512	2.179980552	1.244029971	3.088665545	6.549971671	2.910516857	2.891512494	1.415695221	2.798201957
3.113334804	0.928538616	0.813718255	1.295679454	4.6591896	4.528714624	3.635264567	3.337542369	2.849361893	2.104540468
1.578275823	0.420757973	1.201455187	0.566551965	3.363196069	2.547777876	4.15323604	3.894764629	1.865740986	1.304789684
0.826674172	0.323298017	0.492484802	0.08612275	1.891708547	3.21022155	1.755336806	2.778196395	0.485034362	0.875538039
1.816218816	0.540458972	1.423561542	0.222964326	4.042203424	0.056827609	3.219028497	2.024761746	1.425779147	0.155627058
7.365644291	2.613858345	3.282598709	1.64614394	4.57186893	5.833814184	3.356876268	3.996526898	2.470119344	3.984413054

0.312927286	0.202557573	1.092212466	0.095077938	2.410336959	2.808210109	2.704079942	3.241924852	0.679455479	0.58078763
2.296978321	0.315463562	0.841393847	0.750100075	4.305217628	4.468106944	3.436981667	3.767665708	1.843338739	1.857926799
6.546268726	2.060413292	2.494832015	2.875018154	4.593317865	6.817701237	4.082397808	3.743177883	3.240825586	3.516383711
2.407458857	0.612482787	1.787531639	0.732927605	3.684241929	6.370887242	2.605713262	3.644105817	1.221930513	1.974621947
1.064495138	0.25441106	1.242828507	0.473056979	4.335651174	3.404288771	2.871707736	2.128635904	0.496019365	1.19707019
4.316442846	1.038538514	0.649990354	0.332035381	3.205684016	2.419302766	2.681635682	1.7201639	1.255440243	0.456673904
3.055454011	0.038984819	1.106702862	0.273949072	2.937694003	1.448371614	3.061936967	3.556836373	1.703767807	0.789334078
1.137164428	0.975977652	2.147043523	0.758670908	3.446017282	4.179389896	3.147950598	3.375920371	1.771910196	1.44589077
7.281522898	2.929698883	3.269028466	2.44802104	5.358247137	6.145764098	3.708068817	4.824049932	3.433221704	4.672849104
1.60353029	0.191315858	1.165055759	0.597118117	3.602861076	5.240093625	3.517997714	2.715761122	2.193567989	1.73314394
1.793442612	0.063149693	0.808945529	0.126123921	2.2983092	1.804108739	2.729787184	1.518603087	0.976023537	2.525749583
0.915244836	0.157588296	0.916887807	0.553765915	3.33861312	1.22240229	4.379154371	4.638519777	3.176916082	0.073034314
0.787785566	0.060171861	1.250790719	0.289018754	2.299003039	1.406927974	3.842686761	2.772059342	0.980347653	0.191297377
0.633686075	0.152058763	0.521157258	0.275610145	3.450074839	3.546609012	3.32186995	1.822230793	1.764759786	0.546033137
1.353824491	0.215127795	0.225651789	0.110953296	0.924257771	0.523937465	1.761279698	1.493676916	0.247657726	0.154270636
0.901529251	0	0.270335557	0.11480536	2.244064065	5.174638613	2.460055764	1.222167918	0.759918709	0.133970696
0.641897678	0.183978581	0.411928514	0.229574204	3.51005514	3.182783418	3.270078957	1.082618372	0.962491203	0.323953342
0.764616548	0.557989044	1.214844342	0.747036168	4.005016534	3.857579292	4.601629262	3.721252259	3.504010694	0.467176838
3.40563058	0.082327516	0.172266477	0.196567548	1.714522837	3.749890611	1.550142762	1.136970568	0.366643348	0.616995424
1.059042446	0.142122356	0.861948029	0.554551177	3.615460251	6.076206586	3.891133828	4.660695999	1.459733902	1.426111348
7.977176084	4.571873946	3.798061665	1.320970624	4.350326547	5.979020884	2.593701871	3.711090425	2.839628314	1.054809445
5.284276074	1.822554583	1.592263216	1.614312968	4.411270669	4.673419316	3.104937729	3.865934628	2.182821445	3.089753756
7.787759779	3.279776561	3.23867117	2.026219023	5.048126851	3.868113122	3.438448816	4.626755849	3.347959426	4.963611967
1.162305424	0.857184039	1.274766628	0.825590011	4.267209091	7.830322504	4.941660959	5.278614348	3.009307936	0.474993077
0.311391998	0.04329393	0.829585922	0.023221572	1.192845224	1.950706199	2.466676033	2.225189823	0.158321546	0.332315206
0.64623079	0.544894484	0.432750357	0.583475746	2.423104096	3.386209458	3.593764444	3.517850902	1.544263318	0.39723146
5.714238343	2.039332437	2.535478669	1.422997588	3.951103584	5.230285943	2.663109648	4.452689017	2.119592068	2.492127303
1.403981642	0.026082058	0.696476822	0.376275972	3.684099044	2.498621856	3.797652718	1.19081103	2.961737136	1.048657499
4.212146827	0.373741264	1.127530681	0.619245236	3.002337151	2.596221641	3.743991105	2.976936836	1.973789002	0.413476031
7.151014178	0.835363231	1.363764222	1.027187953	4.136263905	5.19586167	3.587474652	2.359123964	2.070987837	0.783869466
0.842890625	0.278896715	0.229860381	0.155223163	2.590989824	3.74484251	2.620375248	1.728031043	0.659918485	1.172589906
1.146244676	0.03751996	0.353215774	0.091519296	1.880660636	3.439443816	2.638077201	2.077658093	0.40550844	0.442723097
0.768029237	1.809951217	1.021361742	1.18653667	4.716381635	8.44588095	5.281967082	4.313125171	2.69625085	3.703041407
1.130591534	0.864384634	1.544193438	1.123701167	3.559971595	5.001607713	3.134098289	2.976720237	2.146542304	3.324012354

3.172871476	0.091251601	0.708908619	0.687551237	3.333063882	5.871369342	2.846447148	1.689786448	1.34502442	1.608991181
0.686243578	1.075838539	0.521110129	0.222689138	1.734940472	2.166925427	3.238809186	1.343765926	1.159102243	0.137098151

S1PR3	HTR2A	HSPA2	DYNC111	BDKRB1	ITGA9	RHOQ	RAB6B	F2RL3	GPBR1
3.284791476	0.857486931	3.461977639	1.574796833	1.904013487	4.577367535	4.871739439	1.799417492	3.032887202	1.74132187
2.286386435	0.028742567	2.954551737	0.357019114	1.890715756	3.939055957	4.476290917	3.135803285	3.41067458	0.811227229
3.785223767	1.497292146	6.016979433	0.711507329	3.174601059	3.350370192	4.453567417	2.191073571	4.90346183	2.056479457
1.460592026	0.228335939	1.4877725	1.459076562	1.262267019	2.16671335	3.458420051	1.845023748	2.110719299	0.906917666
4.239053906	2.0668686	3.183223318	1.338196226	1.698830273	3.428180629	4.718345943	2.06611226	2.395083202	1.853389265
2.353726033	0.670281524	2.886475281	0.60413613	1.374924578	2.537942067	3.738100323	1.980879511	2.272210037	2.867781008
3.448894258	0.796356526	3.180278685	1.837122689	2.08218299	2.129719413	4.055223397	2.539950714	3.049574044	1.414032478
2.103914619	0.446773251	2.35025633	0.939737871	1.035430589	2.644135148	4.206465302	0.960289868	2.625897831	0.858619105
4.390904961	2.235565929	3.305998851	1.912693667	3.507139987	3.796094341	5.615161669	1.708254304	3.348395056	1.108598879
1.629450357	0.201169262	2.300613509	4.039353583	0.710851241	1.826255656	4.119431347	1.713139539	2.968388905	0.367897649
3.655495579	0.956907186	2.455399125	1.154759737	0.50105997	3.584763623	5.211773561	2.662165284	3.16475297	1.395995901
4.335047673	0.084666722	2.562168627	3.102721979	1.217207574	1.373749776	5.257994322	0.614189979	2.485494212	0.998934924
2.417191362	0.380791505	2.035691847	0.895802235	1.436713101	2.654244307	4.720038306	4.559664213	2.216468336	0.69289757
1.753773706	1.221834193	1.558616965	2.513602942	0.696917193	1.971953767	3.845261176	1.790826023	2.889739103	1.153047667
2.116702792	0.200396665	2.630254208	1.516435002	0.685022774	2.165408246	3.859674694	0.573819452	1.94904955	0.383113317
3.100352698	0.851879635	2.209360006	2.538059421	1.664147401	3.419684548	4.828076717	1.822384151	2.714723006	4.534434547
5.543481721	1.341226424	3.498987882	2.152203157	1.937796923	4.405412927	5.401889513	2.133842297	4.158581349	1.095471729
2.376244841	0.224336327	1.804204383	0.606284447	0.899273634	1.906319289	4.230894942	1.123212613	1.859821352	0.936948066
1.713310611	0.196657447	1.580344124	0.256749813	1.256846345	1.911465317	4.203663642	1.845193434	1.348820274	0.321875728
2.736017644	0.800802212	3.03048973	2.567432732	1.233860618	3.197045277	3.764489903	1.598363248	1.87549811	3.318026963
3.866097884	0.953167258	3.369200912	1.487800288	1.952972306	3.422173426	3.82809016	1.323949664	4.421209548	2.059272482
3.740103309	0.348676033	2.341711933	0.829241943	0.771954674	2.364872368	5.290332039	2.263422743	3.667488096	0.784932089
3.797471188	0.170415482	1.320364638	1.91785851	0.386049275	2.623576884	3.910237441	0.967224682	1.618703262	1.35195173
4.321094718	1.775114347	2.017840094	0.82488101	1.051865935	2.713057222	4.918549261	1.376336344	2.931440601	1.620053565
2.374924414	0.181742706	2.370287284	0.239172192	1.032297684	4.047958583	4.061131356	0.753457674	2.434921069	0.763425659
2.658357001	0.243175714	4.675329516	0.507162051	3.803965937	3.07327799	3.479078749	1.629763205	2.057360477	1.227362722
5.42054156	2.185148316	3.928389256	2.58690095	2.493275917	5.555077024	5.642895619	3.221595634	4.673872849	3.361061069
4.828298161	1.2933601	3.122191163	1.49988325	2.74629836	4.763619968	4.817239893	2.947692219	4.930140531	1.548243501
0.959330644	0.045626644	1.08820606	1.630705479	0.443994427	1.338150325	3.223867268	1.064097986	1.592750323	0.264055088
4.095685966	0.47891609	2.571919534	1.083686699	0.705560861	3.23963436	4.465431388	2.130900714	2.252316461	1.540269299
2.933912018	0.647922929	1.80372263	2.461448065	0.784514912	2.699209336	3.868276979	1.324427639	4.402284136	1.028997953
4.485873164	1.093004073	3.27317776	1.356834528	1.797337238	4.197840642	4.657862627	2.217637422	6.11863393	2.265046171

3.69036114	1.415687018	3.143948953	1.150056907	1.828138022	3.784379891	5.059359855	2.857619659	2.876606848	1.934934511
1.823439394	0.309806694	1.943501785	0.323712542	1.590395912	1.993629548	2.912277851	0.938977149	3.477998965	0.408332348
3.579133876	0.560110948	2.39363323	1.334769968	2.171408776	3.615314978	5.206885629	1.275158082	4.508505797	0.989953035
2.733021026	0.072004579	2.314901228	1.005837792	1.045747843	2.885819744	4.091814258	3.19042561	3.685637591	1.029945918
3.395464842	0.220172524	1.752482787	0.207464149	0.911138558	2.230063654	4.110992265	1.581424654	2.734997189	1.400836331
2.4633717	0.287686849	2.837467192	1.523067157	0.844917566	2.347911349	3.856297864	1.892715983	2.868727272	0.710763695
1.657577599	0.141469606	1.622194223	0.242719923	0.541214111	1.874979219	3.638112977	1.58987639	2.472743799	0.845873791
3.62501963	0.94075153	2.327595173	0.686694482	2.60509285	3.184643955	4.784407942	2.449763306	1.878687194	1.084844629
3.888177971	0.957048565	3.253252954	1.406704428	1.953459767	2.526457477	4.498062558	1.886233039	3.458507275	2.019598505
3.44686171	0.727419017	2.163554607	1.363104053	1.210246526	2.571254467	4.51171612	2.555951485	3.266544568	2.058946964
3.655044793	0.538920931	3.024483496	1.183950424	1.869902084	3.684479003	4.920979307	1.949729222	3.265618594	1.923345132
2.497031655	0.960868605	3.308082633	0.618129533	1.064587724	2.891525243	3.994053246	1.229081222	4.41034744	2.996970029
3.611079137	0.700283272	3.40796193	1.091090922	0.318487248	3.150590106	4.702415503	3.227385739	3.721735562	0.959851535
2.108495732	0.91556963	1.780404324	0.358953106	0.755375993	1.548881371	4.743634521	1.314639462	2.800508073	2.004746078
3.255878005	0.740930291	1.613622953	1.448140548	1.869473975	2.235107227	5.025710589	3.654698257	4.135758324	0.822703955
2.593241894	0.297074289	1.902493517	0.357842593	1.219164133	1.919297068	4.194006144	0.927514561	3.075144512	0.592021796
1.58892865	0.090111449	2.105876714	0.697410318	1.036629631	1.715704808	3.702646186	1.576242236	1.879256683	0.448387146
1.042309556	0.075371424	3.931099984	0.178951982	2.782063034	1.096803386	2.372756796	0.562845391	0.918543436	0.986810699
3.73399549	0.900723142	2.769068431	2.059766839	1.4399601	3.448148601	4.708585991	1.597809924	3.475305999	3.371644909
3.120807214	1.471352336	1.880105308	0.975528853	1.024918215	3.685548678	4.811929416	1.839647391	3.338633262	0.786664049
2.855409683	1.28568189	5.15109445	1.040098057	2.210659219	3.162993494	4.116670678	1.585685906	1.867978225	0.311746121
3.301668853	1.070529211	2.638136265	1.841290438	0.823094328	3.601533451	4.654178724	2.703241136	3.996890983	1.526425846
1.268604596	0.041051334	1.66796659	0.410021544	0.451915868	1.851349748	3.678003278	1.157015882	2.390017151	0.683201334
3.198581219	0.131652931	2.591955628	0.323032889	0.933001173	2.56797774	3.701108859	0.823406106	3.601727751	3.913853793
4.265041194	1.809594093	3.763410916	2.05707673	1.984507077	3.883304144	5.712301095	2.247476754	2.634676357	1.786942811
5.084593601	0.133599549	2.36463814	0.113869906	1.31977563	4.086395075	4.248031114	0.834925408	1.056728132	0.405898599
3.485063473	0.367760104	2.008789175	0.478418406	2.277516385	2.841651472	4.340216688	0.779110289	3.078000443	0.758218856
4.388614476	1.143938314	3.551507973	2.13855199	2.00223448	3.448774413	5.106897709	3.332291958	3.516575755	1.959955723
5.003661211	2.246974887	3.963785672	2.198407626	2.436186346	4.437159767	5.457938123	2.621172779	5.382684471	3.110073623
2.819771383	0.54032649	2.598305635	0.671044624	2.299698106	2.779265976	3.834378926	1.36556345	2.97832486	0.88220048
2.137496762	0.07488536	3.134212434	0.669337723	1.935333274	1.840887799	3.446705439	0.937177972	1.796267833	2.4437123
3.521006075	0.434771322	2.444353136	0.377374562	1.724726083	3.502399163	3.888007741	2.662856804	2.310199629	0.889430667
3.090403304	0.84333285	2.748752956	3.495390188	0.751704023	3.688836705	3.734764146	3.376904778	2.961178554	3.867978657
3.055858523	0.367166339	2.247966606	0.424328372	1.041834643	2.592095357	4.153073938	1.106732113	2.835965073	0.642226652

3.492369366	0.723744422	3.176099556	1.165557328	1.337826041	2.998898388	4.422564635	1.150727725	3.56554444	1.012963896
1.123774398	0.036693595	0.729703392	0.141530761	0.423782842	0.528032303	3.337937012	1.370875566	1.088346168	0.499845522
0.724726211	0.024835609	2.117202557	0.075114305	0.492812867	1.598980723	2.71375798	0.970458092	1.74323589	0.504517816
2.601810452	0.802588891	2.742215671	1.836521586	0.854198914	3.238415315	3.737192435	1.325639209	1.940343629	2.034853636
3.029993534	0.224708033	1.890357712	1.244594205	1.237283029	2.753417122	4.333174523	1.339775308	3.10450409	0.491966293
4.57871096	1.314167002	2.970152534	2.509956062	1.482796861	3.978745823	5.398974345	2.385611582	5.141762998	2.389200476
3.181857541	0.058072852	2.293566863	1.964466944	1.108252219	2.83929062	3.823026867	0.890635386	3.932985291	0.481430875
4.752406892	1.938581432	4.507425932	1.642483592	1.610808222	4.984005289	5.140268272	2.067499961	6.23338312	2.240262156
2.720525527	0.617377711	3.350345541	2.342484717	2.74044776	4.462269145	3.851931689	2.471622618	2.52248042	0.993161212
2.63895196	0.18692798	2.93006432	3.339340633	1.7377261	2.076137165	4.509978294	1.963735544	1.213631454	0.286424073
4.72621441	0.685477126	1.946944553	0.826190413	1.76576899	2.139539988	4.22051261	1.175510201	3.810100046	1.060935207
2.532415579	0.155511927	1.521718978	0.408131149	0.868062937	2.015019766	3.816415766	1.004849827	2.439202552	0.911383348
2.038198152	0.100238476	2.28103407	3.307099415	0.666188607	1.263918584	4.171902859	2.59965241	1.963431399	0.542895215
2.129585298	0.249891108	1.406211795	0.449836602	0.366509942	2.13470954	4.064543452	0.590772148	1.667456906	0.297710383
1.422612212	0.512303456	1.260643543	0.44134888	1.04748562	2.637601518	3.944186037	3.189772857	2.764457772	0.441088582
1.104732933	0.134467876	1.857261843	0.226981329	2.025389101	1.6072012	3.010291084	1.41667213	1.776353294	0.301731219
3.838783629	1.903258601	3.411784072	0.992278862	2.782761148	3.340926223	4.421771287	1.834585769	2.884200507	2.463856326
2.916646507	0.096192584	2.113133204	0.803331211	0.999857893	3.08763428	4.347329289	1.602965603	2.904623008	1.332693419
2.398722433	0.70521447	2.280510375	2.225089356	0.709592312	2.996624611	4.256431718	1.470496424	3.43419154	1.491447833
4.013619199	0.593518637	3.871881814	1.427265203	1.258492257	3.597005607	5.050656104	3.071921273	3.24347627	2.021623336
4.355190495	0.724549131	2.610809386	1.559189351	0.889969329	4.304320247	4.821007438	1.870458651	2.453748718	2.326148482
2.775675648	0.73544392	3.570598077	0.932565578	2.352827728	2.926118553	4.625756984	2.461663465	2.451116718	0.795977078
4.083294879	0.912046428	2.394789144	0.673219648	1.72826406	3.287082741	3.90135398	2.247974827	3.997217791	0.897301157
2.801639726	0.21108998	1.760643905	1.875632939	0.589659759	2.24858904	4.309481378	2.057318034	3.683267944	1.390339931
2.208893398	1.029740224	2.241381424	2.491757683	1.593031143	2.253283033	3.868429728	1.343269237	3.696103663	0.955741488
5.773365356	2.615073705	5.106322736	3.892134677	1.931090859	5.214312215	5.849796031	4.055947443	3.195235765	3.414560228
3.976263251	1.688680522	3.399709311	1.275887032	1.655759465	3.312459137	4.746891036	1.883597894	3.202527317	1.945304249
3.154730876	0.840174601	1.337485739	0.362108192	0.808357045	1.986739155	3.911667839	1.083068494	2.379839279	2.576857666
4.244815145	0.807128549	2.586120781	2.295370467	1.522061417	3.545596913	4.019735939	1.786757932	3.431204296	1.165648851
3.607194189	1.564625725	2.700616299	1.278798874	0.88185829	4.14992303	3.935853814	1.762204082	4.588003723	1.774005247
2.365857799	0.119044669	2.07466705	0.73489959	0.467476926	2.004532062	4.043573858	1.941670497	2.560823519	1.023927556
4.116849893	0.693595134	2.523610861	0.649255266	1.334279212	2.707750902	4.46880933	2.287204647	3.540973367	2.529637528
4.70413745	1.720727887	4.516310348	2.597685665	2.205056393	4.388510734	5.066725582	2.933721381	3.70365963	3.137375509
3.846100056	0.773786914	2.980056836	0.943229121	0.768382631	2.606084755	4.615804647	2.525730737	3.202648777	1.232978451

2.697200562	0.176716369	1.868654982	0.482601068	2.734661226	4.829385423	4.208119578	0.854229336	3.940072699	0.365285927
2.516210242	0.127967174	4.139515847	1.384832577	1.456423067	2.686498891	3.630083677	3.256481611	2.108601065	1.596768762
2.711887998	0.255319281	2.361158639	1.861057859	1.834337327	1.545659389	4.730886764	3.056339666	3.398853359	1.505294969
4.981753104	0.612949846	2.653302563	0.498539733	1.043697699	1.888989621	4.956905272	0.822512082	2.433114773	1.104543677
2.907780585	0.906696225	5.143765297	0.632212313	1.044505266	3.277122552	4.161395584	1.891608962	2.943134423	0.819270658
3.05101416	0.925284188	2.309110598	1.037478511	1.264207682	1.993696565	4.398521793	1.318556896	2.214038816	1.614570396
3.759399912	0.821485059	3.68487343	1.507743778	1.116801643	2.475053065	4.367356791	2.171897969	4.349400286	1.928466824
4.617095342	0.594929425	2.629557917	2.861812313	1.600821336	0.71118504	4.031077101	1.195051357	1.725326723	0.509927279
2.851812598	0.073905818	2.704400634	1.83032928	1.204179407	3.552412561	4.483169778	2.895418643	3.442753229	2.715870033
2.480263702	0.293969217	2.603926183	1.710943351	2.576329312	2.555580262	4.553272444	3.060374954	2.812108127	2.312443749
4.393695007	1.085195418	3.018761638	2.76328733	0.781091652	4.497241426	4.951023235	2.619351869	4.379689991	2.769163989
2.550481565	0.691860142	2.363697531	0.706067038	1.641205265	2.927206119	3.991879176	1.343042862	4.62287038	1.159205572
3.075261543	0.176872126	4.569333257	2.420019594	0.180127634	2.290008852	4.122746146	1.262237095	3.344268063	2.847256949
1.877158547	0.411012202	1.741691207	0.319617341	0.971986443	2.150683038	3.127117716	1.604490384	2.889983612	1.004086181
2.468642427	0.67339348	2.140400444	0.471852752	0.902767819	2.537101139	4.22149591	0.863822678	3.415293428	2.045040486
3.238921563	0.83412161	3.159938738	0.527779267	2.753148342	2.907017412	4.874199039	2.203026062	4.865465584	0.789208069
2.421637125	0.151820766	3.350914659	1.318650528	2.334819361	2.747684997	3.535820824	2.577525411	1.375645767	1.277680177
3.036123218	0.214329656	3.770121866	1.394495128	0.635802871	3.175415858	4.003733553	1.154524415	2.471053271	1.157853327
3.418172141	0.610301358	2.487379614	0.95723968	1.964122293	2.526592283	4.048576585	2.34326813	2.041406264	1.532114701
1.672395835	0.16445022	2.924871836	0.919838252	1.204698384	1.569944319	4.22609321	0.656907899	1.619410984	0.175532509
1.89691585	0.227344056	2.244443793	0.590371907	0.968723072	2.435767742	3.648483812	1.083343718	3.215928408	0.598737844
2.105713411	0.40380139	2.3239558	0.604082203	0.345062185	3.324068573	4.701981389	0.682567102	2.152718833	0.289084074
2.066318225	0.101500642	1.535126585	2.868716951	0.650540225	2.563483157	3.793735574	3.640862325	3.839758462	1.256137085
1.325411204	0.140921303	1.76442923	0.635899439	1.110260317	2.107360558	4.735545595	2.276184196	3.65160062	0.927656294
2.79212689	0.189079105	1.978031394	1.411117133	1.919974292	1.578343669	4.605760277	4.869389468	2.271034288	3.407784263
4.441643903	0.680799556	3.017118154	1.631708689	2.210978034	2.98160167	4.681868317	2.165543279	4.907097791	1.618768174
2.157846981	0.485236195	1.282352243	0.813977811	1.244692876	2.236010329	4.154175187	0.878735786	4.17731351	1.499772528
2.250585562	0.261834619	3.369868874	0.949366707	1.127586433	3.332041353	3.629761145	0.584470509	2.707058028	0.675446336
3.336840317	1.188892321	2.264717857	0.77116271	2.651361554	2.420385159	3.911921394	1.302962579	4.109798385	1.849694223
3.468613812	2.006657593	3.053397489	0.999867536	1.781185848	3.060019822	5.388040374	3.0248899	2.887828148	1.301023011
4.182372665	0.959010157	1.980949326	1.679816153	0.727613287	2.653699557	4.658060325	1.509316512	5.078120556	0.764973627
2.243152037	0.578831944	1.01521366	0.235435546	1.016771617	2.149910223	3.954682735	0.849081498	2.181812752	1.22926419
4.065436995	0.644026975	2.987971578	1.195742254	0.811024956	1.637224287	4.649672196	3.583430064	1.111580784	3.344053676
5.066754402	2.393344279	4.953875214	3.327460695	2.59703637	6.135903166	5.448395486	3.286619539	3.947108639	3.998716421

1.886287148	0.193050405	1.216715467	0.273011763	0.354669011	2.910377512	4.494781649	1.481290563	2.100350142	0.301546375
5.331776659	1.072271489	3.107635119	0.55539278	2.440872749	3.072785184	4.733993502	1.312176692	3.35578131	1.057262965
4.813929437	2.534774809	3.996620232	2.472554968	1.429329646	4.392037951	4.980409276	2.879425131	3.897981681	2.790221739
3.488903078	0.914889271	3.166369821	0.62404455	1.852894938	3.962783815	4.562664986	1.328528532	2.420153112	2.194601541
2.530063726	0.32408578	1.984503209	0.81651495	1.146638835	1.906353646	4.556215704	1.351152321	3.32872595	2.196930246
3.139248901	0.318729524	3.824300676	0.992225769	1.651965604	3.156461868	3.895762633	1.455428739	2.115350002	2.883689767
3.445610126	0.176432572	1.110204855	0.365451975	0.510380305	2.546899334	4.237747165	1.416355612	3.355750331	0.393574364
3.227807056	1.514929996	2.431969509	0.932122078	0.554083333	3.849787566	4.5799841	2.276463081	2.003065135	2.097870543
6.176334224	2.762915365	5.505847068	3.551385383	1.197804688	6.075715833	5.811723657	4.801943835	5.092302562	4.337257183
3.053854097	1.234541199	2.124863646	0.445530982	1.565643438	2.435536614	4.454507143	0.913062158	3.134683057	1.382596404
1.421815574	0.159469813	2.921935725	0.569502481	0.42938756	1.535420583	3.931966649	0.907420658	2.559505706	1.304890569
2.25611111	0.101769736	2.162731101	0.814960837	0.878411817	2.020526419	3.681486439	0.84114625	4.24268084	0.407446052
3.182457939	0.447938375	1.992760986	0.558914688	2.341886615	1.790833468	4.509147867	2.215222575	3.503301612	0.982127416
3.230867169	0.377562109	1.553738943	2.046330837	1.454336026	1.308378337	4.718941373	3.099747984	2.203092327	0.717435464
1.697003944	0.054064773	1.426385382	0.202189516	0.425045808	0.908416664	2.616587314	1.843681683	1.754679347	1.406213451
0.84984085	0.190293206	0.956964437	0.46923779	0.692514656	1.313212319	3.453788013	1.111132813	2.267902489	0.075820019
2.103084203	0.210234891	2.496855512	0.347859901	1.102901734	1.19639377	3.429642703	0.918524767	1.829980327	1.696619887
4.737644855	0.603972611	2.233174272	1.011925671	1.562671244	2.990475079	5.056208066	1.001774835	4.526963988	1.66290549
1.324872587	0.613447921	2.11455806	0.270259839	1.466256615	3.840185024	3.958425328	2.528908356	0.759165115	0.377250224
2.846242783	0.42011133	2.109265535	1.385006004	1.394651865	3.579899585	4.469084838	1.384988602	4.476938119	1.578580006
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1.087261208	0.071266507	1.615158074	0.146494893	0.628357157	0.641871536	4.674149496	0.895642571	1.885315908	0.445467049
2.550804599	0.889531446	2.932385391	0.259791671	2.256321651	2.310132398	3.887466874	1.06533666	3.567797919	1.100885065
4.608491887	1.969728771	3.714600549	1.754831329	2.045287955	4.611466021	4.933505585	2.947688596	2.683576659	2.420213274
3.05556242	0.187295098	1.935697376	0.377044964	0.756201835	2.511917481	4.093997839	1.422068323	3.960093621	0.207566989
3.992815169	0.587489135	2.75784941	1.527957344	1.418495128	2.934447496	3.925315395	2.265270975	3.130320858	1.625635489
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2.107469376	0.308881308	1.861612259	3.341817965	0.833415342	1.53236213	4.771005025	2.179559982	2.405889195	0.752588621
1.339977819	0.129415753	1.366011665	0.075767626	1.103167335	0.887722766	3.530895371	1.321981841	2.598309647	0.392734137
5.187279584	2.992423834	6.367791059	2.293010857	2.750394188	3.785130743	7.007136417	1.99114239	5.839634557	2.679973779
4.33022313	0.668205436	2.721102513	1.578284878	2.797189265	3.497776804	4.543721856	1.755585941	3.974546985	1.466911534

2.42660689	0.581264347	2.317567503	0.786926566	1.819411484	2.004708395	4.352782371	3.414334572	1.73408095	0.310330583
2.253933681	0.213444749	1.926723303	0.361382436	1.660952292	1.1638477	3.984848114	1.274229748	1.675721268	0.623939845

LAMB2	EDNRA	LPAR1	F2RL2	RHOJ	PTGFR	COL11A1	PTGER1	ADCY4	S1PR1
5.718743273	4.190624525	3.314586619	4.377504904	3.522774268	1.033424717	4.881486071	0.907919241	1.948092746	4.481625458
5.859065645	2.92519679	1.974416443	3.816748689	3.517615342	0.741746933	0.144016108	0.455919839	2.337510242	4.999073245
6.973823277	4.752450522	4.63352736	2.735919442	4.512072622	2.080800407	2.90054266	2.594083003	3.017852725	6.324838134
3.505338312	2.296295557	2.45790948	3.272814864	1.67970021	0.959765754	0.668112522	1.237185657	1.487823191	2.54725352
6.776108412	4.05128404	4.223960152	3.890848445	4.646040164	1.851575049	2.394267001	2.284486471	3.113889906	5.262944333
4.866360478	2.45536409	3.546174604	4.116905151	2.933403469	0.462545223	0.930115468	2.740760412	1.77181774	4.362584742
5.776283608	3.748463318	2.829735083	2.984933993	3.252015706	1.016085145	2.911122325	3.146431064	1.127261452	3.957713354
5.775739672	3.037029087	3.654549273	3.865317374	2.717617557	0.930161935	0.147673187	3.378979726	1.406972512	4.152828644
5.733282053	5.622595651	5.42744404	5.392911952	4.507833097	4.005668653	4.263829106	2.412592059	1.436602717	5.938963086
5.858911049	2.787671478	1.304008051	4.247960329	2.712851717	0.689888317	1.128550395	0.416539577	1.663553914	4.168109976
7.131078515	4.357618369	4.245350631	5.323415811	3.36842946	1.063498293	0.852154447	2.576872809	2.162317556	4.321875209
6.622562819	2.734396344	1.328877391	1.037942421	3.142507806	0.536741293	3.139875788	2.618991523	1.349695844	4.017231221
7.790712685	3.845653381	4.076506209	2.933289767	3.07193679	0.589295329	5.678015499	3.084102892	1.758124945	3.846647748
4.541236583	2.75686276	2.412582246	2.806143119	3.158784603	1.154646811	2.024926067	1.236359858	1.994873394	3.999032312
5.988758114	2.793363234	1.269350089	4.925910401	2.391041612	0.236070369	1.549208611	1.869453888	0.907366478	3.50715453
5.433685248	4.972610187	4.600091734	3.980451048	3.882622074	1.504337834	4.927932521	2.046149126	2.683853185	4.825993487
7.114902905	5.152157462	3.909967257	5.799278489	4.350636601	1.845686124	3.438686936	1.902678247	2.408606414	5.713660709
6.385329779	3.297685928	4.620055612	3.860049108	2.826876153	0.664207436	1.890528104	0.901885715	1.480239569	4.367240367
3.90620802	3.474829771	2.535350259	3.766062046	2.246196877	0.4467677	0.403776754	0.283030013	1.192443488	3.250010123
4.975491922	3.459553741	2.32354978	3.64183949	3.001366877	0.592608267	2.436186016	4.104449473	1.816846685	3.713623833
5.957520341	4.883240685	1.771943126	4.735690763	3.526027709	2.339351192	0.411069076	2.476688952	2.546044036	5.05752512
5.53327819	4.359556396	2.965486045	4.48001365	3.489991782	1.024996666	2.20803875	1.937308463	2.165347131	4.579857403
6.582894115	3.559861353	2.462048352	3.030354024	3.174926054	0.53481852	2.664685933	0.482320474	1.674064532	4.075432208
5.811850265	4.685547933	2.93616138	4.613797626	3.636093047	1.408419383	2.443507532	2.810955583	1.552666971	4.649366464
5.152384611	3.777588948	2.019073294	4.916740564	3.045564042	0.917022055	1.950539391	1.503629698	2.049534709	3.90824524
5.781609779	3.169246284	4.154057344	2.506155472	3.544258499	0.892379028	0.191518329	1.953632453	2.178138607	5.06373888
7.585228508	6.000466312	4.962637131	5.767384832	4.986112385	3.561362175	1.665499291	3.809947261	3.105706656	6.314105311
7.119865431	5.211177921	3.321318104	5.720151491	4.551994226	2.117923162	4.532495672	2.746115084	3.203336148	5.649988172
4.249796606	1.951408202	2.733018144	3.621063311	2.030277519	0.264541291	0.765239301	0.966258085	1.179920673	2.951872676
6.203274482	3.710504353	3.916023683	4.780812763	3.374027871	1.414840599	2.276853443	0.672276227	1.944580064	4.840712683
6.719992969	3.394906237	2.023757657	3.927734072	3.052532148	0.883961154	0.419581943	3.897096087	1.966917097	4.150182679
7.042395669	4.187592253	3.661830369	4.855228628	4.147467065	2.65421855	0.699737325	2.909529277	3.167473375	6.338874624

7.222966727	4.77177262	4.020035632	4.93977921	3.865496873	2.354565125	6.143212965	1.971713943	2.285671135	4.922156675
5.315656763	2.375333307	2.446026484	3.021131886	2.64248599	0.938238585	0.287504541	3.302622497	1.468961771	4.364475189
6.151379233	2.940560499	2.823405799	4.798895039	3.54281606	1.318322026	2.811890199	1.25401413	1.904333517	4.985354869
5.749768738	2.343344917	3.892822028	4.397624852	2.477162713	0.525666958	0.214358018	1.476323778	1.566715465	4.277087114
5.364986066	2.156724858	3.285120428	3.282508964	2.897074899	1.489424321	0.022938814	1.694766681	2.285467525	4.510765406
6.20323254	2.876793505	3.550904028	3.378694129	3.511423114	1.070653871	0.059845603	2.672384373	2.708115957	4.321535907
7.652221124	1.91839609	2.425751487	3.512354266	2.110481252	0.502383298	0.113421704	1.152694229	1.994514785	3.599499071
6.698223236	4.791449272	3.597790563	4.124705916	3.498793978	1.14604778	2.860572294	1.08391468	2.494505587	4.385417986
6.654531316	4.731815301	3.621348942	2.713715754	4.4237003	1.540252123	2.306817538	3.460475055	2.97505575	5.250127325
5.792334307	3.943997395	3.392118775	2.855444245	3.363275625	1.117674859	2.884775405	1.328765798	1.551781818	4.654328127
6.948222218	4.3565289	3.3620338	2.692978736	3.682047144	0.997255558	5.441299546	4.454234612	1.621495786	4.176327181
6.544825993	3.807653024	3.122795147	4.634152137	3.570697166	1.708249028	1.86583875	3.181947105	2.404476749	5.478603687
6.570438734	3.753633175	3.796796431	5.040211629	2.632138103	1.398025423	1.520984942	2.818873637	1.563533211	3.96194009
5.450758772	3.289322781	2.001952059	2.80869962	3.45149132	1.114207555	1.535099319	3.906478196	1.777241881	4.248134196
5.048229257	4.163340106	3.259742417	3.750062332	3.231949847	0.671731211	5.175214215	1.080927568	1.610735162	4.517394133
5.14375026	3.137042264	2.806622747	2.612081403	2.742338766	1.795616027	4.392643996	0.8441896	1.943042619	3.969780729
4.738583666	3.010118644	4.110117202	4.278817166	3.513067624	0.238077979	1.617581209	0.748663221	2.33457832	3.217490896
5.074683008	2.182952059	2.738770582	1.393597469	1.927198154	0.291543901	0.026087986	1.116001816	1.165576671	2.563379219
6.004325615	3.517657267	3.240649413	3.640986357	3.444352893	1.528229308	4.848290028	5.225559557	1.653516835	5.091045072
5.884118897	4.043471517	3.224157503	5.043214156	3.476795853	1.373130382	2.399829725	2.631187843	2.383300336	5.206459819
5.09453175	3.430784078	3.572098182	4.318017217	3.304788339	1.358345511	2.371117479	2.554259009	2.212060574	4.315703204
6.675141447	4.764814212	3.963583885	3.540215048	3.772511631	1.087514711	5.2185636	0.95089917	2.072121304	5.14668871
4.487664418	1.931779944	0.982407081	3.730398271	1.914976304	0.15304551	0.3670297	1.313274358	1.075006282	3.4598774
6.809372888	1.969497245	1.445054605	1.275513021	2.843363107	0.399641839	1.863810694	1.846668635	2.168300351	4.308605576
6.551418452	4.715570987	4.983648286	3.362350402	5.077391409	3.253894589	5.176246319	3.167059142	2.452977161	5.977687216
5.21362805	2.52910698	1.735041499	1.395697921	1.900507688	0.710761386	4.44197625	0.611661034	2.00517509	2.767273406
6.784318528	4.080063967	2.603576884	2.618953844	3.136223193	0.688823531	5.079650704	0.940584471	1.991159538	4.30133858
6.498543312	5.297557699	3.160537046	5.211743211	4.21953398	1.593073171	5.476121543	2.966746592	1.833442205	4.762721956
7.84673929	5.554918996	4.8540116	4.314002186	5.370717495	2.910036069	4.100925272	3.955680814	3.90768054	6.738129514
5.705569501	3.396134655	3.120546793	4.241224697	3.629015556	1.963954521	1.292008137	4.881974944	2.024266906	4.790360639
5.181132225	2.447361362	2.993542243	1.9894939	2.85086945	0.50969314	0.133135902	3.137800501	1.782010154	3.94251811
6.825376408	3.360032977	2.530684288	4.147957657	2.363715011	0.855357416	4.677649316	2.017566819	1.597283262	3.508657856
5.809012539	4.186981909	1.862798443	5.609796526	3.171123697	1.319009777	2.788379138	2.939344415	1.628388646	4.111825172
6.382261807	3.642689449	2.092840103	3.393243181	2.769588588	1.125227652	4.584930866	0.697158424	1.924104957	3.969191433

6.080203396	4.288646995	2.434213579	5.118415158	3.695276723	1.727805768	3.706818059	1.067498359	1.758907178	4.849381967
4.170259219	1.324313504	0.538881344	2.526996172	0.988074261	0.225314353	0.055806285	0.412888226	1.020168785	1.185065127
6.320734613	1.423361323	2.990975394	3.493980991	1.806258775	0.072845639	0.487199802	1.226555745	1.016425941	3.044411952
5.475720572	3.363842895	3.912350457	2.81439519	3.65178115	0.98621538	0.171980954	3.657145924	2.609940847	5.260685347
5.565118813	3.899452637	2.75832348	5.287264492	3.357034461	1.067545925	1.987179772	2.082421817	1.713476534	4.086462907
7.024223047	5.231993944	3.841957732	5.854205426	4.056770144	1.926135843	3.903680854	2.902478494	2.882231315	5.815273299
6.559117217	4.167800507	0.784128758	5.146126293	4.132656714	0.234392847	0.317250808	0.090887222	2.221976291	5.171429083
7.439087814	5.297173289	4.424666606	5.8724219	4.512344918	3.525601183	1.716660502	4.7420021	3.634370481	6.666382638
5.390369943	2.944257842	1.469104222	3.471977885	2.186948296	0.63737335	1.831041249	1.096391689	2.216315325	3.067943774
5.847255599	3.808768242	1.813525279	2.592017283	3.333727229	1.302781583	0.921636307	0.241843309	1.88559605	4.36300173
6.263094059	4.100644863	1.869149245	3.269084379	2.943194626	3.018693316	5.280333434	3.230596427	1.75120669	4.750848528
5.290421873	3.306634148	1.382661176	3.98082399	2.604437199	0.859754252	2.601345694	1.138310032	1.083858458	3.851250585
4.22770933	2.303330034	2.261383276	3.883085176	2.550906756	0.505548389	3.644489257	1.075476243	1.752201951	3.031019962
5.956471249	3.303555512	1.352006064	4.499766155	2.288560766	1.033894755	2.396446338	0.180985337	0.974746575	3.512833728
5.453729308	2.648874324	3.648315582	3.864017912	2.647940881	0.811660309	0.244409115	2.288626395	1.534006351	3.655884257
5.864610995	2.314840994	1.678809873	0.263365944	2.36856997	0.422152298	3.483028463	0.254972939	2.735159034	3.185096866
6.936656317	3.279542838	4.915449102	3.747420578	4.283478476	2.323741707	2.225859659	3.826798804	2.521344389	5.812694635
6.143040666	3.229145635	3.01910293	3.590314958	2.771303443	0.59629754	2.351236358	1.38237961	1.848410265	4.288896397
6.59234023	3.392334577	3.006311818	4.760085499	3.741644483	1.726003733	0.968286833	3.383338379	2.389075921	4.956153094
5.467235764	3.100019115	3.957021106	4.994752987	3.030941745	0.937036657	3.369131299	3.379635337	1.575601818	4.58951844
6.778601465	4.378449902	3.631301819	4.912209496	3.674171235	1.755855466	0.35598978	1.439342259	2.633588567	5.038044293
7.866805532	4.627999344	3.320662128	4.444583173	4.468408632	1.726134407	3.265896481	2.073994224	3.276037071	5.329440918
5.778446023	4.402723351	2.728426896	5.189059583	4.002727978	1.226524527	0.764964489	3.07446801	2.774327351	5.434960535
6.740208252	2.714976142	4.023202411	4.337833601	2.638930884	0.975811351	1.680577895	2.315896945	2.115035846	3.909670436
5.364960537	3.896564896	2.593768259	2.143034478	2.880724558	0.975685653	5.624743135	1.45890709	1.967960185	4.302266559
7.82801003	4.47360297	5.001808947	4.140688816	6.065113846	2.994847768	1.176948943	2.238992808	3.928407122	6.22771634
6.890404415	5.453367152	4.089758217	5.608374157	5.174544372	3.049349176	2.861104201	2.5488316	3.058962839	5.614844732
7.456315247	3.741961521	2.586337154	0.600751679	2.494198573	0.95287967	5.471687631	0.331913704	4.32649926	3.737642153
6.476330726	4.373351776	3.926355536	4.394940009	4.056790077	1.841153505	0.080333797	4.37653654	2.534755065	5.044354764
6.658857973	4.07936259	3.77203103	3.194756477	4.323838568	1.724062269	0.157373342	4.291483098	3.763729614	5.781285146
6.397089993	1.910832276	2.620480873	2.929368142	2.10968955	0.505697296	0.13195355	2.169009336	1.144200603	3.966730951
5.102276444	2.502291013	3.938167647	2.482050401	3.147900448	1.644397216	0.041552985	2.95133621	2.338180862	5.890295564
7.516613497	5.11335503	4.244820396	3.664350303	4.689223631	2.317176357	3.628232053	2.963570543	3.402288145	6.033134562
7.1024801	4.770000651	3.717427165	4.300233542	4.142487419	1.578375326	4.403735566	1.072183589	2.896547452	4.712501494

5.884432143	3.086341362	1.228077528	4.511585686	3.12268739	0.787010664	2.206124556	1.768394224	1.825250682	4.651055032
6.464328184	2.759455576	2.622076916	3.034252412	3.031105113	1.683993501	0.891849571	3.967446838	3.328511202	4.327082312
6.576530235	3.687974011	2.699928308	3.09079504	2.970332077	0.395022067	3.58280512	2.230144939	1.977709351	3.59160008
5.644667909	3.228297639	1.833964965	3.728669781	3.018570622	0.733922714	2.553121222	3.933774944	1.980527005	4.09807945
7.135016149	4.103482029	3.152188541	6.148403272	3.900723519	0.765060283	2.011904283	2.881988245	1.944139774	6.458582678
6.659278263	3.334642307	3.564924047	2.323217897	2.752190648	0.945152749	5.408121314	2.695314011	1.203349733	3.350617702
6.753697277	4.840422589	3.153777515	3.869318211	4.283589557	2.11084835	5.641455826	3.832235546	2.606683091	5.612958145
5.002636004	2.913976195	0.784325862	1.275696106	2.350699238	0.84239264	1.38255595	0.884089705	1.137433062	3.462172536
6.988387532	2.228128451	1.317666819	2.957435081	2.704974847	0.197011673	2.199922259	3.524256007	1.903898176	3.651581484
5.547829667	5.174250961	2.472323914	2.569341119	2.243085585	0.344417069	0.722738165	2.45891116	1.414504687	3.603065598
6.503288486	5.421207927	4.353727269	2.876665536	4.580222048	1.784408423	0.781748293	3.939445063	2.921560386	5.208423702
6.160415474	3.661107409	3.214789676	3.274975204	3.256479389	0.814450432	2.194662175	3.972145167	2.576997651	4.404945987
4.869131597	2.836846986	5.210749381	0.949021662	2.726411042	1.588495122	0.128544495	2.307148306	2.781179785	5.458088248
6.24353617	2.742544669	3.24318012	4.170477189	2.787757063	0.366783378	0.853459392	2.203403823	2.123531028	3.894033515
6.508411017	3.41894627	2.771399734	3.038368969	3.07981187	0.618784797	4.303661765	2.371645163	1.87502119	4.520459794
6.480860775	4.272766394	3.809218083	4.696934824	4.0887533	2.380990024	1.613672119	3.289504219	2.383481435	5.249531278
6.461219334	1.94606242	3.840684445	1.148717024	2.333855101	0.482515947	0.179058002	1.783680583	2.095412816	3.575706876
5.599869235	3.129823371	2.176903222	3.934336236	2.985123714	0.431820419	0.600742845	2.247397527	2.13855964	4.964586454
5.515903223	3.822110146	2.468627826	3.656260929	3.147877714	0.489401099	4.208277503	2.276681364	1.240955868	3.612072071
5.948649089	2.549627837	1.573158515	1.6949731	2.195494774	0.230025777	4.139860153	1.541728081	0.958103449	3.138365802
5.878381346	2.542804152	3.9606201	3.610562482	3.081602909	0.727197699	0.105968281	1.983798879	1.766429605	4.971661383
5.378256355	3.649702944	2.245030646	3.882268863	3.211667107	0.940269914	2.63523427	0.259018751	1.895081066	4.657426826
4.802220355	2.995008617	3.628504772	3.351222095	3.203775923	0.556827162	0.305200353	1.090766355	2.539716943	4.903104081
5.59568893	1.987043319	3.50636971	3.240838526	2.987010572	1.21893746	0.306050191	2.483388529	1.894655291	4.559379706
4.086552054	2.771994905	1.562087164	3.346632323	2.259828907	0.073421196	1.123797183	1.589324749	0.978322692	3.790624172
6.561479352	4.337248825	3.136479663	4.047834109	3.924640657	1.358054868	3.214387532	2.403643897	2.862704633	5.290262051
6.294424638	2.979442056	1.85469058	3.462029868	3.135802767	1.30957666	2.337329966	1.386273464	1.867100876	4.536055524
4.605979336	3.18954583	3.859931738	3.277243599	2.82582362	0.927660989	0.787277473	0.495240535	1.996810138	4.172051776
5.65708013	3.174470655	4.293245824	3.42038447	3.522100562	1.699817997	0.185514797	3.799460274	2.410084507	6.03532321
6.541839168	5.158218857	4.640476785	2.257661319	4.034925826	2.998588298	5.666338604	1.585539106	2.658637992	5.275265217
6.117988741	4.643628707	3.781930155	5.193696038	3.898564396	0.926729762	4.155403199	0.956747869	2.540111856	5.771255257
4.566024942	2.566575707	1.594193652	3.810964975	1.800114452	0.762904595	2.205937781	2.33275852	1.155396404	2.683491333
6.882146514	3.878397668	1.733077373	2.867062478	3.294501948	0.536652941	3.352681242	1.026604712	1.397043609	3.837656586
7.546641497	6.206439023	4.25643601	5.118728902	5.033778398	3.297391809	1.373419971	4.085610884	3.479098438	6.111808059

4.970282302	2.365739094	1.678136228	4.334954502	2.031369102	0.274577632	0.780240725	1.241933937	0.988827827	2.835520717
5.161797111	4.023343757	3.366961784	5.104277932	3.627540213	1.433706904	1.725755344	1.249889968	1.961980078	4.89228661
7.328325502	5.554235048	5.250381866	4.660316498	5.372813124	2.597014724	1.02956522	4.862698325	3.695139888	7.062837108
6.517333527	3.319515493	3.714353553	4.360215592	3.487246001	1.533779483	1.691764544	3.689826672	2.123615719	4.538600264
6.955908741	2.977701805	3.012544188	2.775261104	2.297378863	0.662454754	2.418735913	2.071075678	1.451362587	3.749958263
6.835919436	2.945077583	1.793105111	3.498185792	3.210571905	0.528508048	4.202898725	1.439545314	2.082725118	3.656878181
6.07794843	3.397498808	0.552040265	2.713249108	2.727381972	0.178769903	2.831190993	0.44402657	1.378897116	4.52732553
6.471888183	4.798277945	3.033630594	5.447848669	3.663202376	1.219236853	2.428792527	3.071768035	3.229234367	4.774251961
8.066004728	5.862829597	5.795052659	5.664858277	6.006578819	4.009522978	1.005375005	2.958462993	3.599262166	7.34042006
5.551165265	3.730804977	4.066529691	2.946320826	3.628262875	1.546485335	5.316162962	1.506694703	2.330363057	4.955421841
6.224806226	2.159823374	1.879549407	1.699565803	2.781638946	0.369107588	0.190279452	2.59101113	1.330456083	3.532999777
4.805069323	4.069661532	1.461691863	4.144466456	4.372258416	0.95410782	0.72487758	0.38664463	2.528732607	5.59392591
5.654797703	4.407435435	1.121774166	4.859074341	3.132214674	0.428561064	2.335299051	1.393844157	2.598789366	3.818960274
7.113940209	3.337300876	3.75280907	2.304369621	3.783631127	0.371738609	1.724637817	1.056224013	1.821013995	2.966368622
3.882224807	0.721267798	0.540427794	2.295163486	1.587041778	0.173204982	0.080200161	0.240445501	1.100798627	3.14506314
3.358551418	1.710178342	0.955823442	2.648284979	1.978837281	0.179087886	0.228141035	0.355032599	0.898097167	3.161749316
5.816234684	3.414416315	2.283436483	0.430936675	2.37106272	0.548334021	5.160364612	0.449138536	1.048200376	3.116428796
6.928279886	5.396599376	3.465866179	3.78209433	4.18952726	2.947362846	4.615195642	0.646015305	2.765369621	5.46533707
5.789877598	2.383851779	3.430361762	2.006856915	1.564328234	0.540766188	4.449598918	1.216977246	1.997963029	1.6055091
5.735339005	3.771688416	3.110655718	3.825265652	3.479199232	1.344723559	0.672525301	3.21640391	2.245069191	5.178186431
7.691534078	2.99203601	4.041064225	3.350378803	5.533024753	1.64726408	0.456961357	1.13152454	2.871544526	5.601235649
6.78793927	5.738703512	4.147031325	6.368327308	4.369438678	2.367522401	3.764502012	3.634324738	2.714837014	5.546079406
8.031178156	6.676046262	5.225846068	5.39858817	5.788485545	3.367957309	1.098225035	2.679211627	3.695224599	6.652407467
7.74100182	5.418006488	4.20298524	5.437590581	5.143401975	3.622972901	0.249532161	6.12878951	3.313531597	5.855884278
4.909627892	1.694561006	2.333447185	3.064893202	1.701550651	0.16456487	0.558326907	0.228708362	1.183275602	2.446604757
5.548229866	3.225530025	2.222407955	3.595984174	3.446786104	0.892626714	1.08476321	1.791169992	1.935245087	4.522066287
6.997367963	4.563831724	4.782906157	4.712440182	4.565085859	2.511888919	0.942609183	2.661161032	2.924620244	5.335382707
7.224305546	4.100498641	2.507528129	1.151918421	3.516561045	1.143653151	4.889807023	0.310382291	2.135753709	4.874715647
6.018187392	3.364418365	2.877156721	3.687141417	3.944964765	0.595955095	4.15577495	1.872688444	2.331966124	4.769466303
6.806279304	4.325772692	3.767162908	3.607761438	4.758685349	1.289413355	4.711627602	3.000468103	1.761406912	4.517673129
6.717004746	2.252027476	2.928546305	1.875714008	2.446728583	1.079597022	2.623909423	1.68022597	1.438209904	3.13594839
4.800311929	2.413002583	2.069741873	3.869616406	2.247294265	0.641396897	1.782204067	1.063196964	1.066844014	3.438623109
7.838955414	5.679017187	6.697848741	2.687177445	5.59712146	3.873615869	6.183164936	3.725504559	4.23398045	6.430801286
6.241363447	3.656042139	3.939118299	3.946595202	3.642642241	1.471581167	1.514132003	4.065799403	2.54124691	5.185289757

5.723833759	3.158422456	4.332671893	2.509976291	2.631263123	0.71481072	2.433783707	1.155299842	0.770803297	3.533781994
5.376223097	3.096626154	1.534788799	0.770714543	2.712820598	0.239670292	3.69745679	0.495902226	1.53096948	2.860691538

COL5A3	RHOB	COL18A1	GAB1	PPP3CB	LAMA4	PLCB1	GFRA1	SPHK1	CHRD1
4.401645655	8.396576346	6.213853375	3.150656421	4.460378296	4.977728452	2.604541074	0.962253591	4.017585224	2.862170929
3.482445505	9.351635907	7.068353088	3.251281114	4.571619896	4.401065656	2.976258802	0.429650044	2.772825699	0
4.117566588	8.277923278	7.568441573	4.034819762	4.421279576	5.234315951	2.305464877	3.489387564	4.449914184	6.459629239
2.642846759	7.396053676	3.216623454	1.901763402	3.897418798	2.614972712	2.293692643	0.61491777	2.513751491	0.53125821
3.758607496	9.387819925	6.540731629	3.533258993	5.323935543	5.365397042	3.267208677	2.656004345	3.111537811	4.494983126
1.685847678	7.782269026	5.005114228	4.095394128	3.912741408	3.836873007	2.363642689	2.117166605	2.268907785	1.084861399
3.575725081	8.953116578	5.997943479	2.549654999	4.34610901	3.938182311	1.916366029	1.079948995	3.298168681	2.58081533
2.877973327	7.497721545	6.001500607	2.99645006	3.623299617	3.734482881	1.754779603	2.803833623	2.329431985	1.286430993
2.621291028	8.939207568	3.704877698	4.224998035	5.388950657	5.077942217	2.439006533	3.387517985	3.154178713	3.642211326
2.855767226	9.504956041	5.301652862	3.316642592	4.239675952	3.736688481	1.348598902	0.587659789	2.136505623	1.127875861
2.514514926	7.751584728	5.752164425	2.679222567	5.139163091	4.252563137	2.413632244	1.820916801	3.290230501	4.295941566
3.801419304	8.147380684	8.091406828	1.477491202	4.870072842	3.394894556	5.730438026	0.061990407	3.432332746	0.015554094
4.04903116	7.578284432	6.087698555	2.819262934	4.772711134	4.590975685	1.745727032	1.04137263	4.865317659	1.679844643
3.238363052	6.254065425	5.089621338	2.660233966	4.245493539	3.668781579	2.320575078	1.036203506	3.223289712	1.225361981
2.957269506	8.336375031	5.542903813	2.63774436	4.144605417	3.898360738	0.503801734	0.748788257	3.032880507	1.656802376
2.870898639	7.95795645	5.191133767	3.556187522	4.824256699	5.361017831	2.274973114	2.193746045	3.176276426	1.884006696
3.937967848	8.880316029	7.116754934	3.889115462	4.636629428	5.798809934	3.706524233	2.240708446	4.505146862	5.9438125
1.856252669	7.895318808	3.54763939	3.102007267	5.685996156	3.110049957	2.940475983	0.952448235	3.384899524	2.374980412
2.953839047	6.613165388	4.013106366	2.682861179	4.308697557	3.723618117	3.01107044	0.181891941	1.550723389	0.073656678
2.792734487	7.088851827	6.317032553	3.120057033	4.315946522	4.063970816	2.787813796	1.241455073	3.414106474	0.85027557
2.715715178	8.632470068	5.778984347	3.073967572	3.878498356	4.488074316	1.388492698	2.729176109	2.552900127	3.40700915
4.826483081	6.184664696	6.391414353	3.589709425	4.62134161	4.993715967	3.425225257	1.08907316	3.612203672	0.553520293
3.057729254	5.841588939	5.930392699	2.803990343	4.468147713	4.332945113	2.51987479	0.468568755	3.621221563	0.468589425
4.635769812	8.452937967	6.965672491	2.20982743	4.875385165	4.452037033	3.374303221	0.797343231	3.107297966	2.572881436
3.095133586	7.917264089	5.56979662	3.039873785	4.790061991	4.609151659	3.486988708	1.010213678	2.525142702	0.316311234
3.107792679	8.038881564	5.700192414	4.157139184	4.527141309	3.69841332	1.809542032	2.259263699	3.938970743	3.745866908
3.908555023	9.698908092	7.117549387	4.738714686	5.139207713	6.376842973	3.333582361	5.046367276	2.836821992	5.034592185
4.254334506	8.905809349	7.919541501	4.562962642	5.416079598	6.59762693	3.319600985	2.916137997	3.383222358	2.772147093
1.623621808	6.955059843	3.678848842	3.091320728	3.478415237	2.880827514	2.373160492	0.854044413	1.207562288	0.53551799
3.709526334	7.789969242	5.828380582	2.769629463	4.547504206	4.629442426	2.142860155	2.733077496	3.598626094	2.4572715
3.252232376	9.310371443	5.67480342	2.612515666	3.63084799	4.310996601	0.777290366	1.634475165	1.830679674	3.147684125
3.279601739	9.244620997	6.028212904	4.117688317	4.672440911	4.85476866	3.10899706	2.829206218	2.068865673	5.065078958

5.464856758	9.473075668	6.991957974	4.312013778	4.780294463	5.959825265	2.844001131	2.986568689	4.465799401	1.646696365
2.958669239	7.032806814	4.939721388	1.819481881	3.852100486	3.585204694	1.293443919	1.22069681	1.92237996	0.985840717
2.867512796	8.966438925	6.013034389	3.115634919	5.122903585	4.175938979	1.755439161	1.370849698	3.252087549	3.954611209
2.107289101	8.909211762	4.35139905	3.02185976	4.207116269	3.540074212	1.932421659	1.003733373	2.88502829	0.082345341
1.952959575	7.36841221	3.968327628	3.448099157	4.432628383	3.169203147	2.85457837	2.218610993	1.831748663	1.118656501
2.908067129	7.648230715	5.919385464	2.607570427	4.369643631	4.246869208	3.257361375	4.553860971	1.486249383	0.603659179
2.15469238	8.198669875	4.51566736	3.024219256	4.513062476	3.407527395	2.02318289	1.396786609	2.73795834	0.146335173
3.665728881	6.311506126	5.391490402	3.379953544	4.722438918	5.258679611	1.809821038	1.47123868	3.877003797	4.105296143
4.03869365	9.101075568	6.272365291	2.896411601	4.316949235	4.841290537	3.1704203	2.327294734	3.979109368	2.678546601
4.789199887	7.234771319	6.23748243	2.588104075	3.636626464	4.885623105	2.628013249	1.139271967	2.892611786	1.506137053
3.798870763	8.926953467	6.595447972	3.502305635	4.19354014	5.199828137	3.24908207	2.212610787	4.612790863	3.126990861
2.491001309	7.301383718	5.252905327	3.169670839	5.049612676	4.853066447	3.285985445	0.709880901	3.210996664	2.906922314
3.122337673	8.225527869	6.304212774	2.927655748	4.731512027	4.478809653	2.071936189	1.926378695	2.439707024	3.161720603
4.92599192	7.218418415	5.859125898	1.724856357	3.893202913	3.788079712	3.2301062	0.157090235	3.089453009	1.371766473
4.419739825	7.869367703	6.176039665	2.997449047	4.063131656	4.694965991	2.386513842	1.291097554	5.935925034	1.072257279
4.458430865	8.465426476	5.70153477	2.528896412	4.484195938	4.17350517	1.918401266	0.330776253	4.189226226	0.493205348
3.031749103	7.624192909	5.317234676	2.972311376	4.727186879	4.268101088	2.640196479	3.478170227	1.988660477	0.26345577
2.762728482	6.349737007	4.531214428	3.655671264	3.521124899	1.628166737	0.452636804	0.293907154	4.299981413	1.206693156
4.437921709	8.147049659	6.764890801	2.615584233	3.888404454	4.378211937	3.048204486	2.349646733	3.715598633	2.457700039
2.622583962	8.67843325	6.182356988	3.252939367	4.906552138	4.753418086	3.006923178	1.977193197	2.739610583	3.4452329
2.25889656	7.050650708	4.699280187	3.479131079	5.729232622	4.552479578	2.021477092	1.437323234	3.181745807	3.250106206
3.98224293	8.053430652	7.711304753	3.175774811	5.187203666	4.968885775	3.889890496	1.182405745	4.36781392	3.36952738
1.955984653	7.873335517	4.98984476	3.482660116	4.684390698	3.123779039	3.276227669	0.538901615	1.784280616	0.195265798
3.658584993	8.409394384	6.511115997	1.837455271	2.892938894	3.371542597	2.636025218	0.446529323	4.624795549	0.208342501
4.508054476	9.710299901	6.115251996	3.368963232	5.31823488	5.557403543	3.133025989	4.173797257	4.755756997	4.7952013
4.049368605	6.834688224	5.700319521	2.813453791	4.704875113	3.384921547	1.289165619	0	2.894008062	0.049353564
5.109408952	9.029403218	6.910572797	2.6950735	4.54358513	4.447111498	1.385926277	0.344782323	4.903450863	2.617669424
4.734129261	9.566347194	6.955826829	2.71996469	5.150044895	5.496012382	2.638152378	1.934142157	5.030470331	2.557132358
5.662562107	9.749515632	8.425321601	3.425595109	4.536856799	6.333552054	2.913052717	3.430650452	4.719057631	6.447803667
3.913793173	8.08161228	7.05125924	3.177147449	3.769514732	4.626987638	2.095992907	1.868036033	3.296622166	2.553165783
2.048544983	7.864237381	4.264392184	3.501350072	3.793072625	3.321890306	1.865336785	2.098207105	3.964460188	1.965172321
3.556466693	7.667558173	6.261224271	3.232018966	4.56772039	4.632811789	2.265484849	1.053390743	2.968126676	1.511020293
3.32816667	8.015730015	6.947429732	3.890975347	5.139734315	4.237068668	5.579014913	0.954874042	2.344681045	3.407231365
5.758455725	9.306998615	6.432295408	3.02877803	5.079960749	4.277969276	2.376910029	0.897730097	4.82340025	1.15708957

4.052382597	8.618470862	6.54354693	3.293877962	4.128347647	4.728587767	2.437880603	0.725119789	4.614734974	2.237328815
1.514276719	7.829081382	4.279915865	3.122641577	4.230763467	2.35112091	2.237960528	0.398464095	0.958435472	0
2.209154033	7.405895719	4.518119328	2.595123048	3.569198319	2.953278544	1.882428321	0.664698159	1.590884731	0.773981883
1.970992313	7.595294038	4.775982209	2.92056164	4.253727402	3.84562531	3.362224532	1.79174947	1.372884714	2.550037229
4.07562478	7.879526297	6.152416527	4.004366961	3.929302796	5.247997935	4.157263795	1.727444735	4.678582962	0.903420669
4.480773344	9.387341806	6.629327977	3.804587954	4.66773922	5.562697426	2.737117321	2.584381231	3.798284614	3.696466354
4.423453349	8.70853462	7.445661027	3.720916291	4.675833271	5.705796579	2.749336285	2.374779945	2.861308736	0.033611943
4.808534452	9.579331728	7.873871634	3.831052404	4.919156976	5.446469465	2.207429626	2.880043175	4.268449067	5.852325138
2.913079134	8.211754853	4.985527487	3.724625644	4.489404129	3.528938763	1.659127697	0.491451762	2.665743787	1.097305648
3.668817095	7.602138006	4.624822928	3.416715525	4.692712155	4.584203455	2.38766793	0.181398122	1.718233493	0.121956423
4.131530669	8.463021921	5.854217697	2.698341222	4.278918337	4.42856117	2.976502851	0.990043291	4.273584591	0.792341142
3.154216626	6.696221185	5.664579991	2.629272338	3.563232883	3.777473937	0.649663405	0.928970619	2.765122563	2.098954509
1.392461695	6.809309766	4.797697749	1.776529189	3.837176587	2.939113706	2.373962102	1.281477409	2.764097409	1.997685199
3.378221947	7.600765409	5.525485106	3.184816361	3.943396932	3.713256221	2.757520544	0.224994057	2.699674583	0.133434599
3.049939008	6.254589202	4.962304206	2.973991639	6.91352744	4.433452207	3.533735958	1.970987322	2.485066101	0.64644839
4.458486498	8.294674361	5.765063343	3.319846912	4.459112304	3.681051507	3.419541561	0.006808766	3.744115372	0.016752101
3.764893463	8.323454464	7.261835576	2.633238066	4.268009895	4.865121622	1.128709508	3.347238532	4.532147044	4.792971233
3.879418615	7.761480702	6.18630732	2.184850075	4.178763788	3.64706882	1.799243378	0.809305059	4.609172591	0.642052767
3.430302474	7.275803777	6.198172348	3.247509189	4.334519	4.883969482	2.057730016	0.894503295	2.948214424	0.512193846
2.075562733	8.804042751	6.538187224	3.76091093	4.070694985	4.678011221	2.07547586	1.927487858	5.122443778	2.20015439
2.811570191	8.734481791	6.44421061	4.033026184	5.480972599	4.747821189	3.442215377	1.590205041	3.551974744	1.861940834
4.750974512	9.423729798	7.231970468	2.953812598	4.85130123	5.770641173	4.318662852	2.358005633	4.077023243	2.629809746
4.865650557	8.95312434	7.300592997	3.335188845	4.205853102	5.546946658	2.205552329	1.685238087	2.798639194	0.846126232
2.24817626	8.780340555	5.194695068	4.289284349	4.027517963	4.124731001	4.147578928	2.207535071	2.106406524	0.819077273
4.222239456	7.331906374	6.27651155	2.313448466	4.480025907	4.480807039	3.021029697	0.747336634	4.063350183	0.872044374
4.428550493	11.348139	6.545881017	4.596490763	5.996257564	6.845298289	4.55966963	5.325305608	3.023583458	4.825938902
4.400824647	8.014731187	7.416701237	3.468460207	4.948446056	5.936546626	2.936466065	2.299264648	3.868467203	3.842342086
4.298574964	8.130303647	5.900138287	3.269883824	4.669186695	4.326661837	1.818097712	0.077579523	4.747649267	0.579600287
3.941182266	7.382498797	6.165167783	3.138569331	4.69155323	4.836966458	2.85491436	3.552900756	2.485090057	3.361001124
3.576349406	8.225854744	5.772816685	3.25401725	5.364489763	4.767622176	3.15282193	2.266370002	2.114560763	4.066645875
2.026856097	7.204798544	5.030072208	2.910546363	4.325154225	3.038251468	1.731006546	2.242044404	2.596704349	1.453597168
2.908318054	7.409868787	4.860826528	3.085483868	4.84148824	3.484132513	1.524984212	3.361340396	2.281700376	2.266679156
4.062681467	9.595083108	7.388261583	4.176766213	5.015919797	5.733030515	3.305934346	4.216408465	4.403469217	5.993849959
5.126552141	8.208132154	7.473346689	2.800119126	5.08493064	5.350711416	2.400818767	2.231612992	4.239722546	1.372546961

2.733540995	8.453181459	5.566963635	3.382986322	4.834571469	4.546633885	3.173581895	0.466991881	5.087513387	1.930998767
2.735226861	8.210196496	5.171579141	2.800241171	4.449590428	4.735940172	1.906866911	2.120277564	2.303785531	3.739147711
4.785860258	8.265728912	6.261094693	3.594300341	4.668174107	4.632181926	3.323714043	0.243786164	4.346509765	0.932833291
4.205117459	7.903012783	6.62963865	2.0318715	4.843155249	3.91643912	3.755612215	0.431514073	4.051821877	1.053780151
3.459691509	10.14626493	6.620183086	2.524342522	4.98214299	5.069019337	2.885172633	2.432018531	2.463464982	1.326919194
4.399698313	8.056048144	8.072557078	3.523958916	4.579400322	4.021270761	2.862735235	0.173833956	5.104628185	1.637773255
5.427465187	8.546133439	7.497396393	3.172247673	4.115937574	5.260453997	1.758032326	2.087401606	3.866433902	2.865148193
2.571639089	7.685277113	5.414761427	2.628836539	4.011033751	3.518750451	3.005280944	0.096230061	3.147419115	0
3.837090844	8.858573539	6.574416815	2.607124928	3.667093661	3.783391742	1.771536341	0.871683147	4.552736079	1.464454054
2.588408609	7.718990492	5.121138876	1.975320099	4.000636345	3.357011894	2.392468033	0.647657511	3.506145868	2.935803845
3.481847668	8.964079476	5.487273022	4.14861021	6.250796722	5.144562382	3.353233531	3.571506317	2.857002632	4.704726322
2.244006504	8.8238013	6.361639904	2.323465908	4.413713217	4.439629366	1.791889859	1.970988341	2.729861895	2.561883211
2.174904977	7.826644907	3.419763111	2.779927442	4.529179517	3.024280565	3.192700144	3.144202047	2.381527192	3.791429965
2.748788275	6.860046098	5.256842375	2.280916425	3.763440858	4.110104182	2.099759972	1.112748454	1.579253384	0.444925849
4.599687667	9.230827909	6.784272669	2.122946711	4.392220928	4.262778478	1.382114148	0.769227845	4.000697245	1.503644661
4.178074069	8.912424898	6.93165644	2.7701653	4.015404349	5.069254258	2.264594876	1.628154626	4.390433317	1.064773652
2.380422193	6.706695509	4.361146734	4.181266912	4.501256935	2.867556461	2.269820847	2.954367216	3.156121763	4.254002117
2.746141909	8.528937591	5.509603995	4.334116953	5.163618716	3.706567206	4.202069864	1.755058648	2.631570458	4.127200214
3.394571104	7.929327292	6.82338664	2.215483976	3.641773195	4.1812628	2.611938324	0.573514144	3.063657433	1.353845826
4.774879873	6.670350222	6.283335421	3.180469728	3.566901167	3.274470889	0.389916724	0.030051878	3.755022904	0.410476146
2.819074573	8.70314046	5.482034644	2.418403138	5.061995049	4.175955586	2.654611846	1.364308079	2.111577838	0.611646211
3.263728004	6.507356782	4.780978008	3.009282299	4.88130685	4.307405882	2.196308492	0.224586541	2.699357063	0.335025747
3.331123453	7.348759422	6.052065807	2.682190234	4.317924154	3.97649511	2.726846805	3.749459681	2.412570766	0.344995993
1.956217749	8.301636426	4.375791246	2.060625516	3.095336237	3.166820748	2.944876143	1.327129499	2.381794341	1.898825075
2.994828657	7.608601246	7.388135886	3.616007143	4.02476041	3.914157234	0.940001202	0.650429218	2.338366145	1.197455491
4.531469885	9.045172497	6.80996242	3.316925486	4.26974026	5.050108051	2.669211437	2.720273832	3.669771214	1.731600058
3.769620589	7.601778231	5.425598536	2.288139893	5.066333792	4.02438373	3.993543253	0.295946883	3.996374898	0.705733236
4.197702618	7.571414124	5.53140379	3.15189005	4.032272446	3.9809158	2.766627704	0.497421202	3.361192011	0.095616378
2.255205493	8.029313225	5.925401798	2.406585183	4.014076641	3.517774814	1.198968709	2.820122998	2.694296066	4.360393806
4.296577462	7.98690989	5.389331119	3.239981168	5.173999652	5.439178325	2.448289932	1.468553491	4.050675515	5.176386669
4.461513328	9.009351419	7.082389668	2.975825898	4.51785286	5.331424796	2.589659018	1.234564662	3.947330517	1.981633315
2.433182736	6.388158723	4.854927249	2.913034153	4.615962226	3.538193521	2.69865344	1.895452422	0.992886559	1.170688676
3.575039305	7.267507098	7.231764597	2.237023408	4.63488248	3.81460169	3.787168784	0.075533467	2.910384721	0.06244581
3.624230292	10.39865279	6.547161787	4.583274882	5.407740487	6.28913731	3.396826651	4.474472724	2.618598832	5.999550522

2.179516919	6.92826804	4.614086034	2.594223522	4.612339736	3.71339397	2.293643818	1.141718871	1.419137989	0.165278807
2.837596082	8.684787149	4.73091144	3.301812563	5.303166919	4.773925581	1.634292575	1.488932574	3.223717273	3.633169393
3.422180186	9.440279757	7.208042901	3.860334358	5.045795678	5.529258874	3.393452352	4.6697481	3.219524227	5.928455675
4.01691624	8.043160842	6.778784445	3.524220949	4.933346513	4.770048827	3.16348947	2.578647788	3.229783393	3.958010085
3.755810048	7.480873192	5.637226196	2.773364826	4.547261525	3.423198019	1.341364193	1.014441507	3.727658607	1.044164956
3.828219933	8.409538762	5.57738839	3.417820318	5.233831297	4.47805996	1.932623438	1.369580218	4.367888027	0.773493124
2.662792942	8.672564553	5.833022328	2.240944686	4.156424321	3.841924954	1.054724751	0.125272083	5.831341588	0.700637279
3.387020802	6.974121822	6.314221954	4.224714064	4.70074843	5.122340868	3.604066511	2.539984001	3.819184882	4.149047413
3.766404568	11.29951834	6.619115068	4.946856116	5.843362133	7.015151564	4.666020007	5.829272975	3.448588586	6.166756726
4.131986257	8.081705843	5.81760706	2.840450755	4.456879896	4.624865539	1.777411064	1.588142677	4.107178896	3.846654779
1.89787397	9.103982391	5.661638891	1.86848286	3.995546642	3.138012317	0.858823801	1.178022626	2.471613791	0.829797188
3.733889438	7.508608471	6.260723171	2.852043073	4.397980038	5.253614707	2.142271899	2.39594444	2.241571643	0.082680713
4.847244422	9.178168342	6.82585685	4.034109914	4.474437224	5.006208867	2.030522318	0.195308853	4.589840479	0.37836918
3.696401188	7.572543882	5.161301043	3.938533325	5.031046614	3.505649605	2.340303669	0.23123148	3.469033091	0.95166233
1.37339515	6.525694388	3.532360145	2.704435487	3.611490749	2.032461363	1.586772538	0.360684982	1.480081517	0.076949028
2.219871859	7.090092862	3.866605521	1.009437975	3.059789284	2.550665835	0.829061889	0.129136705	2.54483888	0.020696287
4.625782301	7.949217773	6.603777675	1.990849883	4.090527513	3.928529066	0.698292899	0.060601024	5.426363852	0.338895569
6.196013871	8.651849105	7.759511248	4.541920693	4.973674019	5.835993235	2.166628651	0.058617314	4.074829631	0.101820323
3.235689165	8.06311745	4.362517765	3.130209731	4.598563136	3.214079416	0.902632162	0.19643734	3.181857256	0.074987082
3.764682596	7.625963399	6.281352201	3.311660568	4.860185597	5.1345989	3.008820344	2.836533592	1.973572982	1.480256258
2.632188836	10.94540969	4.92575706	4.297458892	5.761102096	6.099894665	3.729239091	6.0190561	2.410065374	4.122117765
3.805652518	9.224808602	6.761583502	3.925861547	4.532423215	5.647829085	3.206353615	3.83424188	3.852193514	5.242270082
3.864359469	10.90599351	6.309127627	4.863642867	5.821421593	6.654437166	4.501309592	5.771148711	3.11488194	6.82675416
6.312870736	9.039046354	8.517989842	3.297106626	4.799126152	6.56295547	2.471322625	1.385449598	4.891147101	3.027686241
1.664410152	7.231119496	3.83173246	2.670728895	3.427580525	2.524086456	3.284476686	0.059408074	1.464500237	0.115072677
3.67606818	8.053590836	6.195118411	3.611075213	4.458857198	4.486665158	2.568330055	0.580571009	3.432513414	2.712575352
3.673531878	8.979700168	6.551073567	4.507806967	4.998562038	5.516393679	2.917721504	3.717572186	2.587147084	5.741845288
5.075048667	8.655888196	6.462528527	4.080231552	5.135425132	5.213442429	2.060095517	0.318123663	4.541591366	0.1690328
3.438480117	8.346908634	6.525264929	2.147406899	3.689102485	4.514125315	1.76823098	1.581612765	3.420267877	1.217594736
4.374039389	10.15800213	6.810577556	2.943107157	4.798278068	5.519656273	2.309101485	2.374760539	4.831430113	3.07814597
4.358839233	7.358094857	5.51026833	3.322355289	5.34772779	3.735218879	3.03201582	0.239740878	3.380802354	1.63072691
2.947542823	7.337604076	4.536197383	2.591753395	4.511439685	3.133106562	1.826238605	0.254231104	2.319642902	0.112083774
6.85407209	10.13992948	8.247875245	3.858342488	4.922993376	6.870896626	3.751572307	1.012365536	6.411663748	3.215299523
2.958543696	8.498490729	5.505173796	3.084934442	4.53563003	4.554428954	3.004246741	2.98460173	3.182618267	4.176758275

3.040150062	7.862785135	4.435736498	1.844379059	4.290390362	3.236100266	1.866161777	0.53655707	3.802569385	2.239494928
4.733047994	8.462733569	6.272813997	2.210722034	5.239714477	3.548816423	3.425158405	0.065338078	3.412228098	0.080236974

COL16A1	PPP1R12B	UTRN	GABBR1	NOTCH4	ADCY9	LAMB1	COL4A6	NCAM1	CD36
3.859418452	5.283586448	3.629424156	2.335090034	2.966779602	3.979081846	6.248160768	1.902213597	1.823079152	1.192720553
3.980915342	3.330405752	3.325567146	1.103709374	3.531168242	2.760458046	6.199015261	1.101705728	0.225049054	2.219887682
5.881671015	3.733324645	4.412092761	1.795440265	4.251184457	3.617690568	6.266955931	0.393683299	0.660948711	4.380971207
3.279515275	2.249199009	2.15574681	1.548351657	1.894667054	2.16793384	4.148885872	0.876695829	0.789382831	0.949164341
3.873571299	6.681654008	5.394011256	2.90714102	3.52012357	4.602123138	6.443803066	2.126729622	1.69100292	2.115106411
2.161212043	2.604912232	4.296488496	3.247709811	2.222747433	2.804507489	6.023730472	1.778825771	1.560277997	2.9080048
3.25516213	3.426841367	3.111001247	1.116373994	2.575711502	2.498005967	5.196178868	1.517494049	0.782652842	1.245468885
2.782939262	2.570125155	3.202693005	1.917742241	2.539258219	3.993870873	5.500244421	1.303093	0.892781725	1.527302872
4.19005557	5.13821963	3.88189425	1.052963886	2.123690603	3.12182118	5.399407705	0.757553699	2.328637393	5.425754253
1.934454062	3.315954222	2.251868515	0.606614394	2.888885348	3.576826244	5.305512926	0.483489279	0.568118766	1.403711835
4.292582188	5.052549898	3.533631301	3.181528399	3.049259895	3.557404032	6.110868736	0.74297218	1.530194932	2.134424827
4.3755983	2.307307686	3.211503895	2.948101645	3.323368962	2.471267596	4.478493204	0.070878286	5.47914925	0.338739714
4.227713962	3.739640437	3.83060478	4.256530951	2.583523561	3.597029363	6.11321711	0.64592102	0.776179084	1.07945319
2.451438898	2.302416272	3.149375089	1.607625291	2.205716495	2.852348243	4.842805963	0.635609757	1.093993525	1.649776709
2.393954336	2.910691826	3.873185255	1.072119056	1.976485765	3.661827532	5.22901115	0.642541989	0.793410055	1.746479011
2.882443511	3.649968943	4.609111964	2.59947546	2.880413294	2.975750045	6.330135367	0.889355829	1.32122307	3.356409527
6.171009884	6.215028136	4.862756556	3.121242927	3.972424053	4.093384221	6.785876384	3.130534039	3.152870379	2.196703246
2.558504366	3.723702217	3.883408307	0.78955459	1.713209485	2.866918319	4.004531827	0.568609253	0.738615265	1.267356725
1.868262344	2.072890778	2.401525197	0.646765146	1.518116031	2.858184942	5.575792131	0.610917769	0.27769787	2.224738145
4.754508572	2.475026741	3.615317351	3.853303771	2.20508604	2.387890678	4.838674373	1.453925441	1.534125334	1.205031936
4.887960391	5.032029155	3.365049905	2.803492641	3.046199104	3.676518393	5.373654351	3.022774161	1.892940081	1.549283087
3.931929006	3.757241125	4.13304045	3.079493662	3.516463735	3.514860489	6.09685538	0.12326306	0.292994783	1.126908747
5.674357844	1.928876198	3.808503187	1.988902997	3.445706359	2.282981633	5.044409822	0.566709831	1.047293847	1.82843324
4.091087029	3.49244253	3.573228887	2.227488388	3.286504093	3.41433062	6.312303637	2.336101259	2.238233622	2.367871973
1.975450471	3.384936055	4.055522878	1.669003056	2.865524731	3.174987072	6.490299318	0.735995307	0.511703672	1.728579054
2.774688291	3.559495983	4.517990303	1.914785924	2.916090384	2.816507066	5.060444932	1.232698562	0.853577684	1.63316151
5.890153499	7.680899444	5.3803276	3.863215865	3.424474153	5.222593368	6.953923013	3.25918483	3.885170942	3.380775146
4.79956851	6.036357277	5.155320471	3.765914419	5.076221936	5.10403717	7.369591385	2.073185354	1.153907483	3.439742895
2.263542067	2.2371855	2.776695082	0.675706112	1.847970269	2.599169317	5.000846101	0.7579902	0.344332741	0.402257683
3.51199866	5.35763114	4.205538258	2.654590325	2.833362687	4.178400213	5.780683113	1.537374012	1.153888906	1.703423256
4.489914204	3.191603274	3.493640216	2.239522831	3.0828226	3.468877502	4.603837708	1.021820923	0.474445588	2.542109002
4.108331265	5.133855543	5.469097695	3.32611025	4.226058938	3.822504151	6.201766351	2.928385539	2.164978758	4.32402674

5.045721318	4.531238795	5.076546313	3.763403094	3.472317857	4.216683428	7.521731472	1.387282685	1.712980241	2.013647456
2.863024012	3.067813146	2.970831242	1.696341617	2.598490403	3.1418694	4.512036459	0.736330174	0.342024213	2.081248441
3.725802218	4.352966682	4.901356901	0.963563192	3.191312882	2.831549688	5.355929018	0.476219538	6.16898192	4.970576063
1.517569271	3.531743667	3.466627986	3.277838855	2.424863938	3.442998226	4.734849136	1.267690428	0.908240415	1.868663214
3.723482717	3.732644324	3.794298218	3.358730377	2.971630639	3.312508176	5.467384803	1.179742579	0.662109447	1.398880949
3.406865683	3.031022124	3.532411465	2.69972271	3.577695207	4.509299874	6.192246079	0.940234442	0.383847619	1.352873183
2.122622602	3.14534506	4.21369615	2.166360527	2.352766865	3.808307059	5.895504108	1.119160735	0.647196043	1.449565424
3.527429614	3.648124845	3.839615527	2.353188877	2.546194717	3.626294391	6.010691229	0.453801626	0.686185752	3.165708724
3.665840863	4.974165902	3.839998372	2.880637854	3.817792972	3.501106827	5.728855569	2.977118708	1.501316397	2.750584054
3.138231807	3.484588534	4.186796194	1.694826816	3.309038887	2.736635913	5.543980627	1.23099167	0.506319229	2.653983803
5.25370393	4.773354052	4.284242282	2.409617026	3.060846322	4.482763226	6.533584601	1.501207858	2.097870432	2.924897099
4.065715222	3.166204778	4.060998065	1.470946175	3.518562734	3.333676876	5.89728916	1.692783834	0.776116305	2.43059633
4.655653943	3.489051489	3.861810187	1.58408872	2.563326619	4.452554099	5.752696534	1.824529833	1.212578549	0.955620409
2.973532786	2.498317782	2.781037685	1.431250255	2.768020394	1.788698015	4.610297615	0.050241072	0.172665662	0.872236438
4.188762043	3.688602645	3.194648591	2.964966066	2.502076481	3.048826923	5.997102526	0.453605634	0.606577788	1.453068755
3.639266983	3.387181921	3.220695515	1.64621018	3.011418185	3.270380065	5.803273359	0.018056628	0.773810873	0.782751075
3.063258629	3.152672963	4.253188455	1.213836786	2.875791743	3.930079602	5.82849763	1.639377963	0.837831424	0.441865049
1.894224568	2.686847347	3.489129992	2.195012742	1.923173446	2.426351087	3.956573991	0.889878364	0.271677577	0.668066585
4.839979241	3.34878653	4.015908614	0.986797764	3.309545836	4.109131318	5.809224683	0.654606543	1.103309007	2.470940467
4.666960788	3.565416331	5.168804014	2.192773923	3.160342164	4.407445381	5.763622847	0.561282931	1.20703318	2.654705719
4.453898247	3.347139692	3.617908324	1.720140784	2.548287204	3.896256528	5.147223745	0.376787314	0.919159068	2.300689109
5.641743647	3.413749423	4.709681595	1.88663746	3.67315849	4.453098618	7.363283763	0.362546515	0.591308576	3.037303864
2.163722073	3.35228886	2.164990481	0.797304658	1.910782585	2.392576797	5.294020043	0.501158249	0.457098325	1.308263065
4.376910983	1.826222806	2.420656509	0.989489743	3.34613443	4.080652881	4.814376573	0.336224342	0.214521114	0.553363566
3.778177467	5.906211701	4.899040787	2.191806438	2.848354467	3.68443198	6.261664788	1.297610188	2.017203372	3.662391434
3.516314351	2.120633742	2.171631862	1.739607348	1.933548357	3.624096443	4.489571428	0.02104944	0.342286452	0.541202187
4.850620641	3.499497551	3.924961267	2.490696474	3.115451346	4.36867683	5.666090234	0.189967913	0.748009317	2.525306197
4.138039976	5.589112266	4.052053823	1.871841911	3.327924325	3.990142528	6.393488476	1.612752159	2.285057871	2.00251947
5.783296036	5.615842369	5.132839373	2.821870217	5.055308828	4.537794457	7.102155313	1.814775053	2.335904028	6.330427346
4.107376262	3.362378098	2.930575609	1.194978561	3.107952332	3.690171251	6.131405903	0.947358196	1.365824533	2.056550996
1.954953254	3.101563666	4.02730953	2.407090891	2.097170843	2.816776119	4.796247917	0.818836155	0.99133924	1.619918184
3.936167271	4.370729772	3.979335133	2.129271866	2.666315693	3.583659871	6.458422637	0.308550407	0.777029644	0.844907055
4.210512203	3.717959095	5.702915485	1.878799462	2.823499928	3.785834457	5.3554472	0.441726595	2.802613351	1.875415357
4.562733294	5.046565704	4.035797476	1.621384785	2.506344638	4.497679165	6.148551306	0.773761433	0.873256553	1.403251511

3.905248736	4.105418928	4.959965313	1.510564914	2.867018203	3.838820271	5.956812554	1.025843859	0.707378931	1.016684183
2.254222325	2.114365824	3.184671775	1.327387681	0.958837701	2.183381243	5.071599166	0.266525351	0.166425988	0.547856746
3.020901729	2.674399812	1.510402769	0.201485624	2.010920494	3.333959524	4.631314763	1.30927409	0.786199558	0.905904604
3.256686488	5.333656927	4.253393624	2.26717732	2.79750557	3.900577688	5.458122368	0.66822745	1.280009178	2.380738252
2.609497214	2.987389349	3.148363122	1.09483128	3.109075963	2.816459522	6.888816188	1.383155167	0.84202217	1.131005026
5.956753085	5.346027075	4.485936431	2.138430436	3.517753448	4.076743114	6.136879642	1.897585186	2.091478846	2.351558962
4.073851195	5.146094538	3.717461529	0.917695413	4.568090198	3.64165244	6.852549077	2.179185002	1.052182574	1.013320494
5.22135791	5.601543512	5.431887425	2.898990619	4.172484493	4.51891225	6.747551989	2.979269787	1.818192062	4.391568746
2.82337378	4.001755948	1.896809019	2.815114307	2.549690117	4.589096612	5.698288085	0.637781428	0.668627386	1.62765323
3.340624603	4.332446321	2.786917655	2.697275758	2.475757323	3.262453091	4.873441893	0.376316267	0.303517482	3.352919103
4.065065171	3.499492114	3.586479639	2.19412748	3.082543492	3.440885081	5.602129694	0.258402792	0.718456992	1.939738731
3.26328248	3.261696683	3.34007146	0.962633651	2.71040896	3.279997666	5.085665114	0.42740251	0.510334694	1.901194513
2.080851187	3.111121916	2.198415543	3.499359312	2.780628709	3.172696466	4.272127339	0.088101975	0.498767415	0.620909885
2.447491378	2.257319067	4.932259452	2.938996632	2.682660235	3.139352105	6.890770249	0.151202319	0.450826502	1.080893001
2.550888055	4.432673216	4.024234823	1.594613024	2.298809292	3.650350487	5.918639996	2.297994911	0.689940532	1.763639643
2.515283805	5.228025011	4.613953983	0.936213011	2.628800018	3.166429412	5.848954418	0.007098536	0.31130661	1.154851812
4.793046315	2.935416354	4.128905049	1.418830596	3.558276236	3.806125858	5.496161191	0.134058372	1.903573098	2.619433734
3.35101623	3.724596474	4.255923988	2.359096007	2.132790466	3.687975639	4.730897871	0.762366833	0.733793626	1.788057479
3.37111499	3.400617437	3.76419225	1.286015984	3.687138616	3.643820704	5.858620582	0.861233804	1.607675848	2.725967999
4.511396409	3.603076341	3.46951538	1.494631854	2.614778454	3.568535619	6.747303811	1.021808347	0.786882383	1.312011072
3.274109906	6.143771827	5.715147355	4.000524091	3.563790487	4.61594376	5.210990932	1.869975831	1.670097333	3.266443264
4.380235247	4.963810622	4.865087002	4.163696404	4.22968378	4.230313491	6.630525215	0.561094621	0.6065272	1.019878776
3.463592824	3.548032249	3.809372714	1.764571391	4.297168428	4.326543105	6.800433471	2.413677966	1.593834673	2.256486495
3.06215909	3.283508692	4.68166682	1.610012015	2.913879693	4.189068761	6.964027457	2.018071395	0.677746598	1.322972743
3.73428744	2.151542437	2.852753505	1.787521951	3.032332547	3.397101621	5.888066051	0.79869094	1.067932275	1.113823604
4.626109014	8.362513692	6.225856903	3.807887566	3.989689872	4.682410762	6.523236767	4.36888229	3.835329145	3.528154175
4.564607723	5.113917437	4.919871677	2.698086447	4.19267848	4.094437377	6.677890217	2.17336696	0.849967862	3.347870095
4.673921971	2.75580461	4.505579622	2.08107717	2.406604605	3.791473894	6.289623612	0.025738932	0.137106603	1.451248652
3.282628019	5.062810886	4.690309274	2.392786959	3.38052033	3.95737101	5.821910903	2.229500669	1.588088528	1.9903229
4.866486719	4.542268915	4.529109033	4.506417234	4.484220425	4.249287708	5.958824634	0.162270562	0.697987384	3.488469444
3.348441657	2.375519706	3.31289869	1.369383102	2.109660526	3.336692633	3.869339981	1.152107632	0.77214647	1.710995695
2.710759437	3.599645339	4.708814471	2.942997064	2.788473432	2.539022225	4.255115903	1.373197006	1.233278878	2.214496108
5.668747383	5.796676238	4.946474427	3.172533964	4.230058622	4.42739477	7.161478399	3.248861131	2.723723176	5.109589044
4.78466733	3.734185502	4.113117844	3.708452281	4.021382494	4.150699176	6.651973699	0.666107069	1.72210188	1.991424082

3.687745358	3.623771977	4.510078395	1.952988091	3.510948186	3.6429582	6.986451999	0.842619249	0.57573632	1.529674746
4.311979658	3.908854808	3.598438826	3.198083817	3.093623934	3.893415043	5.139519972	1.532089534	0.995877538	1.834750519
5.324015685	2.370019396	3.275350394	2.978778996	3.065553172	3.619478806	5.865521991	0.153119117	0.513408284	1.232922435
3.935363841	2.18526255	3.385784421	2.500150996	2.826429031	3.002416536	4.99356482	0.082437099	0.3956771	1.18305344
3.837084516	3.221108381	4.94678885	1.971831192	3.27442987	3.810539175	7.698678936	2.433925558	2.108300241	2.45573849
3.843940834	2.509925371	3.701851795	1.471624915	3.156692429	3.519366496	7.209250623	0.695558766	0.788929787	0.989183399
4.983930373	3.916382597	3.657522846	1.637550384	3.842299002	4.121593594	6.091545473	1.15482244	0.982206326	3.369241847
1.972330478	1.867208385	2.921763833	2.885927674	1.982413745	2.608300488	3.9962494	0.040917225	0.037319393	0.592801552
3.001986755	2.307928794	2.904483121	2.227140836	2.78517791	3.747270399	5.108582469	0.578833141	0.70189413	1.599860221
1.718989307	2.864580752	2.267434254	2.984766965	2.491435074	3.389641543	6.535485727	0.619197505	0.510796106	1.402929159
3.62713667	6.9010129	4.482100505	2.719359036	3.551305673	4.318591877	5.719030238	3.033561731	2.901766707	4.934679456
4.197015536	4.103077869	3.97829043	2.922758041	3.493174364	3.726822563	5.461532144	0.315479533	0.187610288	1.128364732
4.789625354	3.489864502	4.13796399	3.621823523	2.672795818	2.604366406	3.624865116	0.050414935	2.055196767	2.970603629
3.189806278	2.649424249	3.298870351	1.542018095	2.8091741	3.047135974	5.058845978	2.318690872	0.415255343	2.064990455
3.288472749	4.469939304	4.057816176	2.117191546	3.233357763	4.068895	5.552598203	0.377626926	0.546819696	1.82108396
5.62234858	3.600670184	3.812504873	1.7717523	3.608729951	3.700525314	5.971406711	0.704062093	1.028069814	1.622654223
2.87199744	4.634462451	4.258790177	3.213437122	2.15745126	2.953883765	4.00074663	1.282736854	0.949332792	1.521197693
4.457454416	4.676199778	3.779833477	2.194981138	2.993227786	2.481911532	5.010761536	1.396640682	1.508368489	1.327699583
3.673642345	4.771779081	2.803175185	0.947268568	2.65168505	2.575120891	5.22258994	1.259404794	1.143787576	0.74817702
3.446863198	1.764122384	3.631296945	0.984091896	2.088505881	2.76451738	5.260098424	0	0.353010069	1.071046907
2.551898561	3.235196497	2.844494375	1.135555668	3.27099359	4.23056161	5.377313152	2.283430719	0.825757481	1.559918463
2.410469705	3.283153333	4.702087935	2.37427594	2.650713367	3.235390592	5.946628172	0.097949793	0.517530569	3.472845049
3.259434999	2.132202439	3.459093229	2.095890237	3.213162692	4.776820032	5.177636907	1.244322699	0.330525821	1.898709037
4.360333319	2.592943601	3.116354219	2.900575831	2.69152996	1.750885536	4.677459671	0.98578606	0.170521282	1.164761315
2.210089106	2.656331477	2.740418008	2.238572096	3.115224542	3.327479549	5.470105755	6.273480454	0.216995463	1.192005974
4.005514528	5.401362717	4.025624666	3.051718071	3.998818557	3.632259549	6.584260261	1.607966548	1.871882658	1.783970841
4.039847538	2.815542948	5.098337475	1.362667668	3.043169675	3.784705658	5.020244912	0.225983931	0.671896966	1.353942397
2.778923524	1.96812983	3.99964844	2.573483126	3.02363454	2.174345985	5.073316566	0.445439725	0.427013112	0.859459623
3.630416337	3.436015474	3.595794257	1.758932684	2.915851183	2.920232125	4.45986866	0.190280745	0.787470961	3.507360001
4.075574606	3.933307851	4.10781288	3.484684461	2.737880347	2.966760548	6.381405581	1.757583086	0.936100577	4.043354249
4.444691236	2.459586476	3.60265879	1.509884558	4.252863891	4.285749621	6.28546217	0.282230102	0.325586704	2.052811087
3.248883754	2.372222428	3.609194529	1.309004515	1.802090397	2.053652185	5.325007653	0.213526425	0.213927623	1.578984425
4.694338597	2.728623361	4.150505785	3.180473133	3.060407774	2.168194975	5.959361397	0.103967613	4.394800006	1.03562165
5.379729618	8.054713804	5.131505563	4.18478201	3.32418061	5.031815416	6.430365402	4.479311398	4.550188196	3.897277896

1.837793071	1.716454672	3.091924918	3.284222238	2.006779614	2.480165258	5.061855469	1.102655447	0.865413295	1.143128059
2.154164672	3.186785744	5.054132446	3.144879489	2.685745558	3.313998253	5.415514083	1.293874479	1.617518255	2.588729401
4.958643703	6.916569625	5.668866948	3.644151681	3.874996574	4.576027942	6.164912105	1.65108313	2.692348746	2.609070778
4.607354938	4.451527818	4.689266667	2.436011318	2.859339835	4.203969135	5.83823008	1.153907545	2.302101922	2.040687694
3.486297801	3.605361402	5.651394544	3.317613715	2.280192892	4.142703376	4.990784576	0.404594977	0.680996783	0.668911212
5.847202784	5.886679431	3.174865476	1.676102035	2.74150447	4.871370583	5.428666569	1.013377149	0.733940625	1.132567285
2.315589491	4.126332717	3.142826394	0.797854485	3.051593073	3.525259112	4.423318817	0.12517836	0.424130425	2.615439143
4.89693097	3.929368055	4.386090584	2.316903462	3.481385855	4.57246698	6.733613029	0.676877005	0.623625325	2.031155104
5.271689083	8.597295603	6.158688106	4.285387876	3.768115243	5.231578643	6.811138622	4.685918463	4.107825552	4.411475935
3.703611974	2.916812838	4.036532322	2.197097651	2.832887705	3.196040115	5.449924231	0.142569669	0.668421798	3.228688462
2.359641743	2.433134702	3.136981697	2.753340869	2.572151987	2.841392494	5.170443845	0.22725086	0.181049326	0.824521538
3.690720865	2.563003347	4.154516868	1.238084519	3.55881087	2.057402564	6.161934298	1.116374416	0.476435485	2.846943076
3.687082366	3.175051956	3.673797807	3.801899937	3.323805155	4.270305437	6.521393146	0.182454736	0.131282644	0.948380976
2.853988804	2.67888828	3.540489425	3.454264396	3.029892091	2.418793217	5.940588397	0.220651924	0.16405521	1.470346849
3.601679786	3.74887628	1.782867034	0.432852416	1.585158408	2.887203977	4.781310259	0.780096891	0.249557206	0.484554387
0.550321564	1.646095119	2.031110986	2.003316466	1.489049377	1.940359239	3.336477127	0.093727007	0.203130975	0.423928263
3.948095027	1.411194272	3.111112461	1.895509096	2.158960713	3.294018663	6.108198519	0.160168058	0.176817885	1.193986671
5.694008302	3.187113854	4.915516513	1.778200052	4.324658628	4.688185144	7.07556816	0.119651677	0.819829383	3.733293968
3.659578647	2.954763367	3.905358827	3.338765589	1.890885689	2.891562136	6.218676507	0.168544209	0.298513365	0.483378853
3.567933441	3.97875964	4.229641198	2.012992792	3.815650393	2.96117213	5.906755099	1.407847092	1.566595947	4.439269924
4.367966903	8.313527502	5.449586259	4.254406615	2.855148247	4.893929128	5.055229419	3.895816323	3.670059615	3.439285417
5.048359154	6.379714148	5.101541532	2.973494604	3.131012966	4.600306206	6.78378372	3.262942134	2.572135368	2.598558304
5.416242778	8.785914467	5.594007305	4.376430243	4.099340561	5.36648271	6.646537426	5.460634241	5.109277689	4.025406676
5.314344557	4.692436174	4.637984539	2.39317957	4.376861976	4.189603199	7.113201195	1.812561275	3.624923464	2.793160656
2.841365165	2.200927969	1.99307868	0.682774674	1.831241945	2.341768361	5.015830233	0.161365783	0.093665862	0.873887536
3.878770914	3.328530184	2.935546543	2.35139383	3.238172831	3.897374576	6.929102453	0.781190584	0.250526991	1.213345958
4.388355191	6.861475646	5.1700835	3.271945004	3.233218758	4.646332872	6.15878157	3.177035466	2.460414059	3.3404742
2.715275912	3.652214609	5.520956106	2.949568701	3.156711422	5.231743302	5.898363845	0.015068355	0.529846819	1.696021171
4.200684765	4.940193403	3.063687423	1.866072794	3.579089623	3.321633279	5.335004616	0.383546767	1.532554212	1.481228143
4.484037736	6.545441906	4.270706485	2.022728101	2.783547321	4.103028784	5.79657113	2.134392989	2.563582044	1.929813038
3.527435563	2.842947727	2.416288877	1.223705591	2.495010473	4.187857449	4.631577194	0.466099851	0.302404321	0.741374876
2.054747703	2.92837128	2.401635155	2.165281031	1.711111394	2.546202019	5.050508031	0.241188892	0.238262905	0.767833589
7.239982022	3.887919901	4.973253333	4.048380916	5.578917358	4.735929101	8.45238257	0.152331977	0.564824135	3.053873131
4.415916464	4.39936489	4.409385284	3.218859999	3.323257367	3.938707268	5.815471538	0.253621158	0.812564899	2.051158859

2.052571768	2.432206847	3.148892335	1.936492951	1.662112152	2.575645184	4.064637541	0.667868841	0.578143311	1.421261543
4.288857842	2.942650606	2.906846213	1.899789713	3.120246892	4.008515218	4.904319226	0.094410907	0.220893169	1.258166031

CLU	TNC	DEGS1	GNAL	ADCY5	HDAC7	IGFBP7	TNS1	THY1	SNAI1
6.100272934	6.273186729	6.649538341	2.131125529	3.347603274	5.254164441	9.204256057	6.418002846	6.076655908	4.355938775
5.326869598	4.381033185	6.666120061	1.285905391	2.740754958	4.379836841	8.728678865	4.395450989	4.917296646	3.396636687
6.970850361	4.520329217	5.781043297	1.160708982	2.378037408	5.038383414	11.73168023	6.70718438	8.478508567	5.399253317
3.755057071	2.909785282	4.522649208	1.580311928	1.264619557	3.448593949	6.541621144	2.361066124	2.566058776	3.231060187
7.273417145	7.227778269	5.62065035	2.433435018	3.710854481	4.833824439	9.820558421	7.247675527	6.447098657	3.188590473
7.895208565	3.904858943	4.781153126	1.797236042	3.164354259	3.900977594	8.735456691	4.174851754	4.521833397	4.802865756
7.813813022	5.004838082	5.60209396	1.242887118	2.755126626	3.41562209	10.13782264	5.028934295	6.496105641	3.876908556
7.273202052	4.849509147	6.38470816	0.730553446	1.764241149	3.873542471	8.813667038	5.131019745	4.995328667	3.179108565
6.564915641	5.827176657	6.899394144	1.166173388	2.658481706	3.055309431	10.90153256	6.05651069	7.215428473	4.452880552
6.654765589	3.502761504	4.554030085	0.632476543	0.78029927	4.153314081	8.365266758	3.218773722	4.499868132	3.287939719
8.001495481	6.077224767	7.195831675	1.352799947	2.936590484	4.924988719	9.932433125	6.6687327	5.939472486	5.025798959
7.840408779	3.963094245	6.209528349	1.168525682	0.258629672	4.130625257	8.433316128	2.921175679	4.808502484	5.094504563
4.933104406	5.30055604	5.859623859	3.98650787	1.556738895	5.576740586	8.653084912	5.547584813	6.056906739	4.200675327
7.433822391	4.85778088	5.81812942	1.164964268	1.157440384	4.274430542	8.520830745	3.358981233	5.408217121	4.103584151
5.602113811	3.789549366	6.257814544	0.736652691	1.106777721	4.849312143	9.427125609	4.317804354	5.789059153	2.814718834
5.363515043	5.258885795	6.1650149	1.648308972	1.717640492	4.395955796	9.694558032	5.069157873	6.269728043	3.829201934
6.386344809	6.753854996	6.822133989	3.83941472	4.662734263	5.183567919	10.61719905	8.015952041	6.580645617	4.883369473
3.568377555	3.784720053	6.060114038	1.180493044	1.378255313	3.436244492	8.994250123	4.547857734	5.129311461	3.411150779
2.711543463	3.414619093	6.537651264	1.015205521	0.24973277	2.909748982	7.52834506	2.435254852	3.903622703	3.182456255
5.967413125	4.660459551	5.486655441	1.060454517	3.092448589	3.620780864	8.808701344	5.142953353	5.927832977	3.812106296
7.307423087	5.060663951	5.978568201	2.04257564	4.110637882	3.941517423	9.864437528	6.32207455	5.39841326	3.109109102
6.884822663	4.353261792	5.165205021	1.827385989	1.143824019	4.724349702	8.831483971	4.809561109	6.35552746	3.449728302
6.157019807	4.993100259	4.579919409	3.615381275	0.314653452	3.566586093	8.943655998	4.64390932	5.516663978	3.589945183
6.941451289	5.352763233	6.001511204	1.486732146	2.514139792	3.995437504	9.562865317	5.379725404	6.883332175	4.602664698
4.420032612	2.897956311	5.331760282	0.939941935	0.794855448	4.212589209	8.6647448	3.475505588	5.074348276	3.793366263
7.215052725	4.736001522	5.844258896	2.49156854	2.896830286	4.39890895	8.230168146	5.46593452	3.9352632	2.627076416
7.978105308	7.819921364	6.573554893	3.605118123	5.132769693	5.271196431	10.90842163	8.689814999	6.871607214	4.455878094
5.732975816	7.18758089	6.666806217	2.199726747	4.315025838	5.380428409	10.22033808	6.987118141	6.278949727	4.355680122
7.425609179	2.421009952	5.831737756	0.779752568	0.242807887	3.30287501	8.060593224	2.900860712	3.760259883	2.342803187
7.490177696	6.522755504	5.685798014	2.094595034	2.787792604	5.229878899	9.481106927	6.331236479	4.976496345	3.431204899
6.539329864	4.102329002	4.882936518	1.351684458	2.906471966	4.675983154	9.227550182	5.041463393	5.223993374	2.582619453
7.0252679	5.869589997	5.907755668	1.392912951	4.44818169	5.165015599	10.0070335	6.713550716	5.847294854	3.347647433

6.738501598	8.298608491	5.996407546	2.704633679	2.415004526	5.153158053	9.251136585	6.326115059	6.944356707	4.429243653
4.159541787	5.208504648	5.301062427	0.752762066	1.337554008	3.680038016	7.885572476	3.554890232	4.227668222	3.806958722
5.801070415	5.529192513	6.546071142	0.878917882	2.74693773	4.511935767	9.721881278	5.596410393	5.973868163	3.612641658
8.314486606	3.789274159	5.76728689	1.04973371	2.659855953	4.185170265	8.0256953	3.847133939	3.582347373	4.136921818
8.099099492	3.359704223	5.131013183	2.131861931	1.741500467	4.530067522	7.12131423	3.859927926	2.912297866	1.678013151
8.529596758	3.991955316	5.222187573	1.418530639	3.942838757	5.413647591	8.757201935	3.982278957	4.390222193	3.503800446
7.137377049	3.038990973	4.928441092	1.35988431	0.869608293	4.69623581	7.033568562	4.06355826	3.670145125	2.155687315
7.240222402	5.692107661	5.366486824	1.568827288	1.22266697	4.253306884	9.497944717	4.789695898	6.852773656	3.391871346
6.86650934	7.39189497	5.537393648	2.295378405	3.951555724	4.810423004	9.322862821	6.586078886	5.736134691	4.233729881
4.687684817	6.449001436	5.832153176	1.941153796	1.884515087	3.909171857	9.13985923	5.205710119	4.77662655	3.863963181
5.852311461	7.160536797	6.297923423	2.195826928	3.220341175	5.370391913	9.625628162	7.218961382	6.577418124	3.955760182
4.635755094	3.822642663	6.593797792	2.768148886	1.206645116	4.637746242	9.863549594	4.056786348	5.264468294	2.930720327
6.38772223	3.258498461	6.7279937	1.746963896	2.634374517	4.711043433	9.061574458	5.336708925	5.228537032	3.66159738
6.079915307	4.191835905	5.13322406	0.911403889	0.700005634	3.780099447	9.051479646	3.98720572	5.639156286	3.320413275
7.086520975	6.942935481	5.312545636	1.218735278	3.03511972	4.393873353	9.419952755	5.549114927	6.205848546	4.50182496
6.037703016	5.664379749	5.168103854	1.376589809	0.87186817	4.247340211	8.20345015	4.06948	5.564591114	4.110291883
1.746701062	2.875488317	5.936525879	1.19388174	1.06308065	4.40286023	8.336537461	3.23066147	4.659200749	2.890251311
6.140311585	4.800387334	4.881847713	2.423946776	1.09105459	3.642911064	6.139699555	4.502220762	2.811436036	1.281675427
9.436832182	5.480499078	5.967164796	1.791488726	2.5801183	4.441655249	9.749747926	5.713249153	7.36149953	3.929423655
8.176725257	3.632889546	6.819409207	1.385823811	2.092136038	5.112886774	9.598508174	5.44958693	5.996533259	3.0116236
4.359718242	4.484761092	5.566927471	1.685638129	1.703067956	4.359165185	8.784628469	4.522887256	6.018355743	4.356011585
6.217546921	4.227072457	6.990284024	2.158519536	2.125056161	5.606385012	10.66136838	5.880317484	6.969962872	4.60779546
4.018994586	2.859623632	5.260722135	0.857676101	1.237788994	3.93106905	8.387704689	3.12704527	4.037177308	4.054966005
8.47168414	3.867480971	4.875091225	0.581419728	4.282079018	4.513594733	8.928610136	5.566545131	5.45071945	3.929430037
7.42674988	7.503907135	6.707000248	2.239173155	3.0243628	4.542203987	10.44194087	7.068055967	7.580264859	5.59449292
1.463537119	5.013392025	6.353694032	1.481864009	0.554766726	4.237771535	7.554957714	3.356419069	5.145624118	3.675019247
3.851486149	4.912866674	6.131871822	0.700611994	1.021891615	5.122824093	9.244710326	4.968040937	6.254700046	3.473116963
6.911777108	7.094277506	6.128481278	2.573269528	3.868885852	4.749664325	10.32751049	7.091125098	7.063120245	4.1372537
8.086686043	7.471694947	6.609544891	2.416927575	4.682409006	5.701068279	10.35497787	8.384407326	7.972525817	5.783628204
5.893422532	5.928324454	5.499575263	1.287790082	2.649261735	4.977453922	9.781184987	5.058328793	6.420320744	4.566908475
7.88285449	4.734001907	4.902594084	2.300561439	2.073151368	4.022474276	8.245939982	4.660246254	4.105707937	2.816066292
6.943163493	3.927621715	6.188681159	1.694296686	2.288394813	4.581050253	8.991116731	5.803607836	6.23124247	2.767637162
5.813883224	2.792432315	6.395638765	1.856377402	4.416400044	4.489917715	9.646471981	5.370427727	5.41772448	3.166231812
4.253747803	6.331305724	5.961112051	0.974549113	1.680030167	4.445506499	8.25346579	4.921216469	5.47719323	3.709764974

7.065096753	6.142950758	6.406643053	1.014024766	2.997951142	5.326185391	9.371530808	5.739786243	5.7297303	3.939450505
1.889230696	1.3770971	5.331704613	0.825365919	0.223248298	3.747702157	6.056787477	1.905922021	2.746194315	1.693384585
6.611946231	3.630030369	4.413277783	0.359865029	0.773885946	4.335950728	7.583682028	3.650336281	3.702117155	3.335354908
5.627986401	5.665998447	5.58216894	1.503148292	2.811098762	4.235677539	8.853824566	5.573160326	4.583503983	2.311513158
6.373926728	5.178739656	5.016849261	1.138143421	2.753162504	4.609142097	8.716535324	5.240994887	5.416110729	4.322103995
7.42689089	6.003488946	6.045634267	2.357554254	4.188824367	4.81132249	10.13594643	6.914265835	6.311306681	4.590820534
3.618790469	5.805331113	6.159201727	0.907133	0.732284577	4.704238651	9.336903819	4.874325308	5.32597244	4.639358348
6.460403156	5.694842715	6.462204244	2.206784156	5.05290433	5.580119085	11.28556873	7.724302591	7.58515791	4.58323004
4.914334854	5.521772202	5.528387131	1.618342429	2.229280972	5.102239194	8.222048828	4.834423231	4.888343026	3.981903051
5.014914514	5.441472263	5.717249749	0.779503108	0.245018393	3.975688256	8.203384837	3.259309952	5.227569695	2.962290244
7.502462928	4.184046278	6.582819971	1.185213046	1.239857022	3.962351291	9.364475831	4.460633514	6.716601692	4.868296641
3.504921872	2.922922402	6.277627265	0.598112785	1.128501805	4.289950317	9.74503952	4.612072818	5.721389642	2.31188968
7.69643263	4.120697869	5.320283092	0.90134889	1.379194682	4.268538803	9.858221851	4.836022699	5.14281508	2.871875668
1.181970835	3.017855661	6.213486972	0.57122393	0.411034877	4.698940128	7.787140696	3.580252812	4.857519204	3.884190283
4.947399123	4.280902255	4.932588704	1.940784062	1.330481358	3.88131984	7.328840269	3.989834394	3.62346452	2.117619755
1.77484706	4.688055559	5.924705905	0.452753305	0.175039608	4.857805003	7.959242398	3.200182151	5.611770579	3.846727211
8.594457887	4.518804635	5.614884872	2.203243926	2.890930684	5.045782698	10.96037857	6.107299481	8.221746196	4.423312773
5.369364495	6.4268487	5.830778005	0.844699904	1.877952343	4.742521995	8.856519903	5.185289566	5.632188677	3.136550724
7.370677594	4.818964521	5.62402293	1.480381376	1.601478578	4.50494832	9.031329804	5.204759234	5.264624574	3.899358484
5.42945079	4.358782597	6.691622148	1.578373029	2.99605741	5.306443269	9.723436302	5.911289494	5.745132461	5.449503693
7.536647402	6.470981916	6.054714691	2.416804689	3.954155191	5.907212246	9.693296501	7.000419082	5.120003883	3.176695592
6.201444911	6.258177793	5.946353638	3.449318918	3.924243645	5.1333486	9.501491233	6.19918377	6.157906319	4.352559505
4.642122262	5.278923312	6.317935904	1.30003301	2.085017998	4.470244043	9.38328844	5.152740792	5.944220594	4.179692009
7.550735301	3.453913157	6.58113226	1.347078844	1.046324365	5.095698098	8.22389922	6.155919344	4.323026163	3.753692874
7.277875444	4.240388014	5.381318205	1.419368579	1.000258239	4.853616122	8.775904882	4.442312296	6.079697989	2.905553351
9.113221861	9.575609484	6.192307182	4.17913775	5.881490198	5.121457828	10.39842351	9.03264841	7.249238897	3.778625281
6.628562961	5.911386669	6.198390075	2.393044098	4.154162628	4.653702276	10.39349904	6.797706706	7.327734594	3.993652711
1.589894199	5.167634351	5.610583357	0.517340898	0.267082426	4.775875291	8.262742146	4.200085766	5.201740317	3.811650402
7.439793425	5.957857941	5.223819805	2.736680255	3.520272798	4.313703133	8.804815805	6.018403933	4.779329026	2.450439964
6.281905699	5.246124684	5.594389422	1.637648435	3.019176961	5.295855865	10.06717408	6.036984213	6.141898017	2.743115333
8.918367634	3.223140623	5.099859219	0.984779422	3.631058682	4.599980032	8.017868769	4.875661043	3.603570363	3.085095676
9.077876218	3.474196506	5.674660256	2.311630876	2.537923581	5.058346145	8.683408394	4.551258238	4.003695923	1.832088458
8.463626745	7.057378143	5.731052398	2.976500244	5.045740439	5.104173197	10.48460936	7.632187933	7.058857107	5.439593217
7.888872307	5.984728974	6.618535523	2.014063446	2.228727551	4.796957937	9.456731279	5.846316112	6.500860782	3.787764376

6.481602125	4.09361889	5.925459379	1.139153702	1.35250344	4.484285822	8.496175979	4.335480493	4.812777463	3.698716303
3.70842233	4.059615645	5.212500606	1.366560065	2.51918493	4.881140416	8.305344728	5.109124904	4.098541192	2.980511987
5.301950047	5.458056657	5.765724805	1.8581656	2.477200126	4.690994072	7.985738793	5.549914207	5.616558064	4.542826672
6.447231476	4.38776366	6.195943899	0.63987835	1.207023125	4.617998149	9.909814324	5.039368727	6.934094536	3.783781373
6.702342578	4.73057518	6.791697462	3.421037864	1.981549064	4.663573423	9.411312625	4.999494492	5.758145764	3.681090225
4.101752166	5.251582536	6.283004661	1.557262384	1.944582605	5.862107362	9.350786357	4.965415707	6.74354664	4.660265258
7.050512954	5.296230557	5.601167819	1.736854605	3.263173146	5.145575929	10.80763504	6.565883645	7.786878095	4.085092139
5.924882455	4.313101166	5.561867959	2.770994388	0.114710484	3.453935489	8.158687436	2.782722121	4.531560278	3.446056063
6.528005444	4.590065107	5.239924147	1.341618248	2.799818727	4.802048478	9.041586405	4.580548786	6.295216915	4.186804771
7.821167469	3.552110992	5.820357889	1.477491351	3.135666729	3.936401974	8.340810093	3.121965355	4.531884524	5.091992393
6.72374233	7.195879341	5.957973731	3.156250517	4.681183528	4.580093228	9.32063984	7.941613881	5.17775358	3.317607367
4.930589839	4.533801378	5.365520082	2.104744508	2.334396692	4.631877209	8.974092011	5.193114558	5.189331386	2.792845812
7.043818894	5.466253281	5.64973272	1.970311275	1.757418755	4.657120873	9.630892378	3.643916305	4.785915097	3.518989505
5.9315834	3.652470772	4.77081166	0.930157835	0.846368727	3.825465184	7.818377815	3.939256065	4.261309876	2.699895672
5.349214173	5.873868102	5.796633048	0.859707255	1.608190943	5.001703119	8.8147967	5.108178417	5.71032368	3.928459267
5.427004076	6.879855422	5.375980477	1.657158398	1.869083409	4.343932595	9.527686937	5.009465361	5.874058632	4.464020163
9.066223725	4.502891301	4.613606343	3.283753932	3.348764406	4.813992054	6.808342884	6.074180488	2.754298057	1.093311476
6.249176797	3.085164836	5.243161114	1.677250629	3.662855579	4.164065604	8.73284542	6.411444667	4.097187442	3.103634859
6.927671608	6.664168219	5.363732703	2.743841537	2.869812451	4.104061553	9.259927652	5.948991473	6.277624718	3.839979425
10.26871837	3.999614221	5.270910241	0.393511323	0.475390343	4.697710746	8.654773275	4.325186215	5.964394704	3.113073686
6.267684965	4.766791096	5.190098684	0.728677738	1.339958463	3.851623005	7.885012996	4.201314316	3.879703217	4.054936731
3.318463499	4.689100319	6.9594391	1.006692981	0.542689832	4.219955267	8.573915271	3.898670244	5.368195493	3.245046895
8.176137305	4.042460976	5.913164146	1.333964512	2.610907881	5.116986431	8.290562521	4.105139457	4.558291972	2.860118007
7.016220048	3.287170654	5.491349169	1.069417681	0.880080402	3.934939117	8.695695399	3.045866344	3.708148576	3.500911932
4.208192248	3.304225493	5.545341025	0.597333146	1.168756004	4.073027576	9.117527128	3.988458314	5.677918806	5.305140577
5.829210131	7.075691134	6.533436562	2.024974909	3.610343586	4.634397192	9.261972058	6.613471184	5.853934107	4.304607944
2.342442658	3.925715427	5.084793619	1.240770761	0.908289655	5.121802446	8.103888742	3.53969145	4.730129188	3.487470417
2.441510042	5.455689418	5.266310445	2.373662014	0.618059622	4.286169364	8.332495163	3.352986907	5.171662888	3.761216595
8.32139981	3.282116285	5.06398766	1.250437689	2.527007192	4.196738558	9.895750212	5.050694435	6.998563855	3.409331023
5.925164716	5.573053917	6.375805661	2.092641385	2.316678796	4.163248382	9.550554672	5.286834036	6.963451341	4.680066527
7.197121127	3.951543445	5.472187769	0.914382086	1.491954041	4.537881556	10.32393644	4.89369126	6.654354712	4.385148664
5.461065604	2.998894314	5.993423199	1.106574386	2.572598001	3.187363972	8.917466053	3.244842251	4.956903968	2.456039429
7.379526355	5.358283693	6.702188562	2.390985615	0.153634979	4.199251343	8.844971725	3.811440906	5.544398114	4.995729688
7.843730531	8.343468307	6.3895673	3.224470108	6.290257029	5.113480977	10.73250315	8.94389432	6.479667321	3.70492284

7.150883566	2.503871879	5.352670787	0.959648769	1.96344103	4.639832976	8.444334354	3.726792131	4.731985322	3.864750628
6.197808446	4.363119817	5.877087909	1.816963103	1.62835668	3.581569909	9.139410747	4.421236671	5.898397504	4.455266556
8.130620168	8.017938073	6.181105943	3.338951216	4.472937581	5.265956722	10.55597072	7.777092733	6.828501612	4.054335085
7.930254656	6.348651553	6.176904379	2.088667723	2.738079258	4.550195093	9.327013228	5.615792393	6.257215892	2.626179378
5.430081167	6.703651884	6.13673589	1.24013804	1.431907697	5.360362987	7.854619317	4.746179335	4.164374938	3.388323965
7.392587313	6.776298935	5.594267749	1.66224572	2.627386106	5.27498348	8.498153314	6.320344015	5.622524811	3.21218646
2.325987652	3.574595087	5.38335865	4.297859436	1.22387682	3.829865316	8.540902862	4.392402146	4.536513821	2.28153948
7.718775105	4.46899696	4.987103874	1.849695708	2.575713118	5.015968973	9.83831818	5.999817868	5.676471842	2.571401446
9.202878034	9.46735283	6.886537356	3.783107953	6.166213197	5.476566871	10.35400808	9.386378055	6.595590587	4.205228771
5.824833695	6.001807989	6.229074491	1.593717408	1.525177155	4.353779004	9.221347058	5.132646282	5.866879792	4.601811235
5.784736339	2.646580121	6.215730119	1.202864216	0.760144743	3.578383699	7.932029222	3.378139403	3.89896408	2.3079599
4.925407169	3.291340577	5.838277987	0.691096521	0.376540481	4.027128944	10.27370786	3.64768972	5.642886864	3.574126019
4.82879622	4.307303578	5.912613196	1.070447675	0.881187177	4.419508579	8.8840967	4.849911815	5.971598393	5.090060381
5.799670066	4.574752995	5.563007448	1.009823157	3.746837854	4.659213098	7.667372175	4.484705968	4.755668138	4.580229939
6.846881453	1.803923413	5.560080397	0.563730529	1.095967019	3.378656422	6.020488006	2.515489155	2.151653468	1.515864931
6.824925753	2.409911254	5.1052147	0.528728054	0.140300239	2.757475872	7.809111376	2.477409808	4.375696484	2.199935162
2.138966038	4.493609305	5.288847715	0.491186752	0.316909497	4.723055659	8.837684966	3.753060597	6.358262758	4.593835447
4.338960622	7.305794854	5.764601429	1.01315316	0.445550668	4.915501165	9.018603544	5.53187395	6.280616071	3.95604205
3.071226131	3.576266703	6.113321429	2.257860019	0.424134965	4.750383111	7.695155963	3.263973622	5.132932889	2.758739987
7.648789002	5.263535302	5.296079441	1.599373179	2.423043575	4.543954311	8.886742542	5.478592074	5.013384793	2.833879356
8.226957193	7.869659797	6.402084176	3.604257969	5.632146305	4.321598651	8.888084598	9.104718862	4.503234472	2.770104307
7.836512024	6.266754434	6.675207496	2.757791441	4.824384242	5.153573099	9.903815923	7.692475585	6.121262391	3.242401974
8.278946187	8.849182884	6.842358432	3.896696661	6.575578089	5.351301018	10.68290356	9.434793986	6.134019839	4.181065728
5.243982203	7.633003176	6.144447235	2.398038991	3.565152142	5.367546469	10.57885651	6.703805022	7.739281744	5.566336727
3.5201013	1.66264117	4.826347486	0.514768711	0.360962673	3.352222455	8.073333409	2.180255642	3.866805941	2.601093902
5.075163509	5.544215241	5.728869642	1.955054909	0.987877854	4.904778965	8.375135006	4.941424308	5.618526483	3.044189937
6.539288991	8.085618913	5.896226015	2.652777678	4.426160254	4.77615024	9.773342904	7.620079194	5.852879913	3.389425139
1.806019417	6.083544085	7.014569879	0.603403817	0.19255116	5.06275795	8.294580415	4.817422884	5.433149913	3.897381648
7.149594502	6.04005247	6.362637371	2.298159544	2.928897607	4.294592142	10.36673262	6.283463319	6.375721872	3.974507999
7.798801646	8.119270725	6.26230248	1.975131036	3.992981864	4.672201631	11.6682336	8.114457709	6.478172181	5.258348526
7.106175129	5.970771021	5.07382097	1.140455918	1.070766916	5.334135175	8.038031741	3.924616928	4.771630056	4.352410066
3.229090276	3.849631724	5.297768797	0.624494201	0.251390691	3.272888261	8.154908549	2.384498921	4.45434671	2.725561314
5.636103687	8.712451028	6.550758563	2.159647249	2.485140317	5.940129728	10.25021817	6.749647528	7.827039324	5.707015257
8.135838112	5.497057866	6.039842236	1.676693666	3.112963518	4.638893795	9.186794387	6.032013216	5.879450705	3.087023737

5.754469068	5.847418227	5.724989559	2.504385656	1.499746145	3.842444215	8.506908561	4.182875516	5.389702764	4.351365411
4.344965907	4.662071331	6.442417021	0.573829255	0.458326436	4.445510693	8.107797467	3.975664214	5.717508715	4.156582636

NOTCH3	ADAMTS2	CSPG4	AKT3	A2M	ITGA1	GNAZ	ITGA7	DAB2	KAT2B
6.295052053	6.520275185	4.545603471	3.437972115	8.314541399	4.125586395	2.572509491	3.87983563	4.990020683	3.228746323
6.429623418	3.153158167	4.101245168	2.239566849	7.772420667	3.549399507	1.379216678	3.308656043	5.453734945	2.930165905
7.470057358	5.710307046	3.895606251	3.408381745	9.167226148	3.923073869	1.799303686	4.379922857	5.870020214	3.097531952
2.737888107	1.669314663	1.552565289	1.511736893	4.861098578	1.845911934	2.540946823	3.004679636	4.781688676	1.942917821
6.13774411	5.791738264	4.628251802	4.123899251	8.753335717	5.159863429	2.776447741	4.523809161	4.862321	4.502395457
5.445829073	2.48269376	2.567793105	2.841564878	7.137022556	3.004484327	1.809657876	3.611221737	4.513610586	3.373092393
5.769797463	3.795598747	4.038907999	2.557279257	7.935388258	3.469729095	1.560106743	2.943667636	3.580460838	1.843547798
4.979404807	2.798766865	3.577508578	1.815115384	8.156119159	2.394048738	2.411609365	2.400739846	3.633855528	4.66201075
4.796324682	4.751961603	2.777507059	4.643142794	9.249895046	4.84161894	2.060323906	3.329517473	5.547387553	4.356420867
4.901856231	3.561263927	3.254668145	1.862909557	6.842664224	4.173482933	2.438563277	2.905568261	3.221184108	4.343439369
5.92351582	4.67915327	4.517195241	3.260319817	8.259778664	3.836519423	3.817487922	4.313868431	4.313242737	4.038492296
5.512791784	3.602803972	5.366728164	4.542643275	6.26698031	3.536470457	4.536569889	3.317250962	2.622765769	1.729171268
7.915293256	6.915981454	4.197987489	2.947788171	7.71419434	3.75865581	0.885069483	2.038184805	4.349382577	4.554711479
4.38285536	4.213122359	2.574999686	2.213518058	7.112902087	3.096504919	0.961882531	2.038282094	3.955150592	2.942670312
5.635084549	4.876232772	2.689694771	2.16791756	8.006804054	3.42454449	1.53696721	1.381942867	4.540910324	3.183583509
5.675477655	5.454766708	3.422112327	3.794286429	8.70614245	5.225827409	1.688981484	2.451948077	5.911977401	4.084374884
7.002790671	5.54008043	5.367136064	4.573734093	9.937916854	5.434692527	3.896275543	4.458358838	5.48067897	3.815485556
3.547158978	3.922246523	1.617918732	2.166966907	6.758267679	3.038189669	0.997341102	1.698827477	3.961121178	3.468474334
3.716114592	2.907713988	2.747910499	1.628188985	6.214681156	3.302749758	0.531668008	1.393451516	5.702972919	2.757965564
5.125400871	3.753982001	2.9098977	1.841981121	6.679696463	3.481647603	3.362124028	2.299763374	4.618008732	2.710062422
6.196246396	3.349777915	4.353075181	3.135261076	8.870626147	3.788324925	2.450974481	4.248772944	3.428489451	2.573127862
6.260133449	5.104799322	4.195076828	2.906958719	8.191269636	4.333128655	2.158673111	3.777427864	5.404175394	3.900525148
5.639569736	3.406180834	6.672276456	2.499240023	7.228797923	3.316281161	0.538996804	2.70270307	4.825068144	2.203078263
6.464074323	4.648884245	3.898543283	2.842668375	8.357789311	3.730731073	3.304901178	3.038671006	4.794815596	2.33708971
5.915529654	3.890600256	4.040033893	2.148547141	7.659868571	4.129898125	0.763092744	1.954459314	3.556125609	3.077912569
7.155882583	2.892016218	2.653857101	2.625589539	8.700513417	2.61450253	1.710766248	2.381964949	3.788106053	5.428007476
7.239017543	5.862583142	5.920577316	5.134968292	9.905723368	5.934892996	4.400446207	5.929405189	6.309153444	4.809267335
7.701098219	6.17156812	6.422302469	5.206747223	9.10474612	6.035470023	3.500131275	4.768344388	5.385693024	4.150079305
3.703496553	1.269324994	2.336001436	1.190671962	6.088681335	2.695949949	0.556396119	2.367681087	3.559401505	3.212128419
6.107092331	5.931248359	3.676222621	3.45335782	8.191601852	4.239019709	2.72274262	3.494913444	4.478988387	3.853544817
6.158359286	3.723837235	3.443162853	2.539474309	8.916326297	3.372174301	1.166992948	3.231684662	4.058287521	3.167605263
6.294924074	4.180619252	4.816183873	3.437352206	9.173984224	4.118211203	2.689987881	4.476503128	5.1464818	4.593057513

7.62745679	7.41701872	5.180267592	4.074679836	8.583756781	4.860372856	3.508632304	4.299347412	5.631940262	3.800922249
4.347977527	2.976548874	2.398617113	1.926696839	7.492190356	2.786801235	1.32567392	2.094341443	3.519700671	2.774900239
6.158233409	5.125116881	3.813824492	2.896063373	8.307561472	3.680178888	4.160239591	3.105001536	4.292849081	4.062832547
6.130614198	2.290998883	2.956639657	2.148126832	6.835602347	2.715545615	2.861156765	2.686492193	4.229050858	2.777027872
3.852281582	1.878422529	2.364331701	2.573785374	6.92725222	3.155048126	1.568643254	2.672746248	3.260414545	4.235525124
5.727186333	3.221796324	3.166227781	3.013769473	8.081010012	4.119895701	1.858811976	3.291825577	4.056006576	3.316739706
5.246950253	2.409606488	3.820152893	1.701544932	6.544597315	2.93957203	2.718756675	3.057289957	2.960265331	4.724178316
6.046627903	6.479516368	2.462225393	3.586212454	8.223705471	4.350797986	2.042916306	3.104273044	5.42537847	4.419316651
6.012086001	4.886937766	4.875044402	3.547542979	8.412875153	4.236400388	3.115740269	4.211916589	4.31919321	4.066892005
5.76849198	4.298308526	4.265841817	2.943090691	7.563024956	4.418640865	2.329085421	2.579201516	4.360191379	3.832270366
6.698101717	6.734448463	3.81082741	4.096593596	8.309403518	4.504435988	3.459581911	3.77100968	5.520024889	4.016774015
5.442259676	3.597199001	4.293545834	2.613679508	8.496177826	3.966382805	3.365374267	2.081147638	4.743487799	4.067582218
6.0576065	4.209957503	3.54320969	2.649721262	8.524938546	3.699730795	3.856369687	2.342991278	3.660402957	4.150878528
5.549769773	3.410689973	3.947452716	2.065526821	6.656935559	2.998698419	1.862231582	2.405945563	4.610222621	2.235611535
5.346371388	5.637838911	3.719967427	3.094709686	7.287523557	3.957702506	3.861046526	3.064555	4.676694975	3.287925426
5.549572154	6.056494905	3.147195425	2.604844593	7.271480317	3.110308827	0.459923134	2.42213077	4.030388953	3.386100679
5.444531329	3.175055915	4.28831463	1.809744032	6.913365532	3.633629709	1.788390886	2.251990188	3.372282144	3.858006771
7.303440173	1.264706523	1.620079031	1.138641634	5.667058802	1.258890164	0.754719073	1.771370053	1.870999191	4.336742017
6.141634214	5.460753184	4.027767377	2.89891846	8.79947467	3.967748534	3.790330807	3.981125472	5.290083462	3.107928681
6.375451705	4.667663707	3.001727774	3.320272635	9.121922198	3.966691875	3.41578938	3.044232562	5.115031799	4.150932154
5.04834843	3.584624201	2.795936191	3.124238427	8.570226731	4.756719296	1.769160004	3.151738056	4.686919855	3.141988922
7.241887194	6.035412481	4.411091278	3.754499424	8.852134935	4.490686975	2.070272754	3.016942754	5.279242448	3.752838087
3.801431634	2.486336428	2.512064638	1.37716521	5.847384027	4.046460585	1.387876433	1.724708817	4.287757236	2.23559106
5.470557784	3.319114429	3.317763388	1.521831872	7.583322053	2.645712946	2.61833243	2.837871103	4.113770954	2.923621005
5.91053461	6.204742079	4.257958299	4.54478935	9.219106388	5.296860494	2.9743876	4.213721577	6.277162427	4.18880523
5.149043989	4.775091887	2.500051785	1.85472427	5.841462595	3.950696156	2.241915943	2.835555039	3.596087771	3.392023426
6.973070226	5.686122768	3.704332787	2.997381638	8.167514662	3.755924233	1.140675935	2.776199162	4.352753349	3.75400915
7.03036164	6.238268296	4.863293722	4.159730006	8.59778811	4.937980345	2.779728254	4.143990894	5.145125243	3.639351483
8.503213181	6.685925472	6.140823373	4.516492432	10.43686014	4.678650324	3.801788555	6.143490881	5.642680256	3.455427752
6.160768531	4.610547308	4.244910159	2.701362353	8.676077299	3.473538037	2.16877518	3.445851983	4.282656591	3.107771287
6.300023571	2.579257825	2.063727458	2.332637594	7.838078811	3.772258011	1.65937891	2.391518797	3.749607394	4.012511692
6.224851774	5.397921463	3.663158581	2.983450414	7.517108886	4.3418353	3.194650436	3.864659975	4.672192124	3.27697591
6.365215314	4.816940116	2.903689415	2.847256546	7.879518886	5.165246926	5.052272325	3.872162897	3.964513502	4.017473096
6.787967767	5.621973179	3.482174209	2.672597412	7.347762603	3.634612533	2.881060834	3.304051179	4.087410486	3.723665405

6.420109204	6.228746266	3.788347782	3.484023519	9.060275926	4.360827153	2.404234641	2.639596602	5.057811164	4.137427436
4.662906632	1.256983607	1.572784893	0.646846219	4.476632738	3.678789289	0.901297758	1.860491879	4.086647881	2.99898183
3.748806528	1.59753087	2.733000753	1.075837449	6.103744961	1.822877901	2.1524613	1.825226344	2.161444331	2.235497077
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7.60828415	5.614177486	5.441712348	4.29566284	10.40497541	5.004603677	3.302168351	5.103746031	5.083938657	4.122639629
5.40511612	3.652164134	2.636120637	2.136755619	7.462073667	3.786775312	2.712750483	3.074887427	4.677866607	2.913480555
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5.403886752	3.665133728	3.695951338	2.190780733	7.498172331	3.356671641	0.704636039	2.06371246	4.092897327	3.176546197
4.779399476	3.367012412	2.16934268	2.212524014	6.63172089	3.113125452	3.436101084	3.316113644	4.369425527	2.201360021
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5.754781862	4.086244605	3.53855314	1.511290831	6.428017506	4.180389523	0.921588775	2.757342145	3.432287807	1.815216354
6.693271689	6.48244368	3.476146249	3.365036291	9.659752133	3.081752587	1.49624432	3.602221117	5.792002999	3.089964236
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7.042051375	4.667115687	5.642196227	3.124371739	8.383477034	5.003487782	2.682650966	4.043293185	5.215686427	3.638436873
5.536733162	2.781069208	3.417018171	2.01178875	7.232791668	3.048400889	2.233643062	2.809830537	3.996928497	3.925324952
6.080455951	6.0883508	2.957335221	2.686989751	7.265457709	4.002799554	1.012255374	2.00636501	4.467140575	2.421907259
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5.586767442	3.010416072	3.926475484	3.553824616	9.623729016	4.296496072	2.430858349	3.667493514	3.571516594	3.962184391
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7.297128345	5.392256485	4.695551651	3.449655389	7.976192251	4.279431281	2.611176994	3.204528083	4.172769258	2.6363763

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5.339161331	2.828130334	3.768707042	2.166705026	7.349585387	3.846928863	4.242252592	3.09272956	4.50768112	3.512311677
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5.484394563	2.802054345	4.995447911	1.621992278	7.013797832	3.084812308	2.045332726	2.179412481	2.563503334	3.261256643
6.6427472	4.748554841	5.291463494	3.391237971	8.350290237	4.391867509	3.591774237	4.192171554	5.139702792	3.07881904
6.058576404	4.374673329	3.474716687	2.593550841	7.183557099	3.628769594	0.664994672	2.017357571	3.606115096	2.960658377
5.263931233	3.843379531	4.021421309	2.027101876	6.572228833	4.374584562	1.541985238	3.098531296	3.850969192	1.927868893
5.290975336	2.958939952	2.391310497	2.579350436	8.598029957	2.396901569	1.958043208	3.497530693	4.84626706	2.834311421
5.981300442	6.10831324	3.835333293	3.867567026	8.970402145	4.402164213	2.184487824	2.952425609	5.883585105	3.930494049
7.105262922	5.961108942	4.812782573	3.086023951	8.477703297	4.610755971	1.688086611	3.976510123	5.067705052	3.515397306
4.623368917	2.87840884	1.858413335	1.521227961	6.722881408	3.320940867	2.592327585	1.336101744	5.416521545	3.298804113
6.078621517	4.519615157	3.525551822	2.326828234	6.578585398	3.765444951	5.152467535	3.497177674	4.064267411	2.627206551
6.891338846	4.388780271	6.934816591	5.181709395	9.855037935	6.286170282	4.436832894	6.670413807	5.244780854	4.723651089

4.213254449	2.622155786	3.043564498	1.386655633	5.92732658	3.168986875	2.309071041	3.537014803	4.442979032	2.69378728
5.349267439	4.845613853	3.072720629	3.534913287	8.343619647	4.86131211	2.559184276	2.157323346	4.440138523	4.467937434
7.093401907	5.325554316	5.266548149	4.734399316	10.41372376	5.247718577	3.524052404	5.169930265	6.022955828	4.588212932
6.032374754	5.277547491	3.539659013	3.345611706	8.972712475	4.251871196	3.499506999	2.917563746	4.646960165	4.464312823
5.259615906	4.208188555	3.261554741	2.568891309	6.599454223	2.919995963	2.925094204	3.309027139	2.733653827	3.500291684
6.404310079	5.654015669	4.331798199	3.097187498	7.70328306	4.402806675	2.233392704	4.52614143	4.545971497	3.900879262
5.930429502	4.341470989	3.758740677	2.42397016	7.525793513	3.701639509	1.324880964	2.76981977	3.314625845	4.121611686
7.205236426	5.729241183	4.093676723	3.561765005	9.245770262	4.304612676	4.115702841	3.701630412	4.754842955	3.549738033
6.909725619	5.321017552	8.156559249	5.821245127	9.656914403	6.867551339	5.202458143	6.845934671	6.236807883	5.396212096
6.101697261	6.27041147	3.173201531	3.065833277	8.104364405	4.004017981	1.310067981	3.171064878	5.370101475	4.071832921
6.598178804	3.590520041	2.503578129	1.731556675	6.97901011	2.919198475	2.759855513	1.466112337	2.866984103	3.539469066
5.643369663	3.636918695	4.529954058	2.759138691	7.927974843	4.289141802	0.812296816	1.624861721	3.834898678	3.055571734
6.73294524	5.781244219	4.550650747	2.665100028	7.425458729	4.263790506	1.822862718	3.168454272	4.712174708	2.838269049
5.934495034	2.628043784	3.507657745	1.76429196	6.159454953	4.217098588	2.278846892	3.259962445	4.13915192	3.469081286
2.708620777	1.202824286	1.657798039	0.99804402	5.339131567	1.584394556	1.083062261	1.70984009	2.730788116	1.967988642
3.134865226	2.494324919	1.681152209	1.240586204	5.763457994	2.251433052	0.528570848	1.047188079	3.423894369	2.512205423
6.292276518	5.369700403	4.303766154	1.980700141	6.321085206	1.900664397	0.216836812	1.578702517	4.206224754	2.202184424
7.387080788	6.556364706	5.857620051	3.769783315	8.603529798	5.057190508	1.728640249	3.794231196	4.71842765	4.332060072
5.087668404	4.204197474	1.894640533	1.920930127	5.518790271	3.777968457	1.649696622	2.303914027	4.2221141	2.962196716
6.20113159	3.737536089	4.609011716	3.332375306	8.642681916	4.6562525	2.557712338	3.457465084	4.448390695	3.656224077
5.134929376	2.191051936	7.500148913	5.059404826	8.254791036	6.809176773	4.985154704	6.791050353	4.164599096	4.891667177
6.875587428	5.970011889	4.943980147	4.637517811	9.850937652	5.120754252	2.909941579	4.514710757	5.533190183	4.353410271
6.76846338	5.092582179	7.562060775	5.853581154	9.959603644	6.618387792	5.055711613	6.996464236	5.725800064	5.143694033
8.191062883	6.718069117	5.834471695	4.237036845	10.13715053	4.78510501	2.180625052	4.741264328	5.252919007	3.512293918
3.666995203	1.371721264	2.280190574	0.972199253	5.524328291	2.691719727	1.539573846	2.106634063	3.143974031	2.31582909
6.685685774	4.517408549	3.875061406	2.677032632	8.06672501	3.723784302	1.663907472	4.356719803	3.796871567	2.83135062
6.618097607	3.473272531	5.847734449	4.499883455	9.972745392	5.346121546	3.046593152	5.26208097	5.632632852	4.278719574
5.950691105	5.700875565	4.459918638	2.971768372	8.037920038	4.049255753	2.569535539	2.123186985	4.43950579	5.764326721
6.101613801	4.004999938	4.252271751	3.089360832	8.249473163	3.830471455	3.241048925	4.203408553	5.176753985	3.176729916
5.974251293	5.605413647	6.078661399	4.470531327	8.724243519	5.490216031	3.797742621	5.520158438	5.184449243	3.236537985
5.025509516	4.544546006	3.117893405	1.912846037	6.165841943	3.421281338	0.973961302	2.221780235	3.038807657	4.185499245
4.286812422	3.48939582	2.07344919	1.484113616	5.860264466	3.296927948	1.20239452	2.385114278	3.586385297	3.438701583
8.074758461	7.851256522	6.490700307	5.188503498	9.930305589	5.5007543	2.24189707	4.754364757	6.157461096	3.960162334
5.775458207	4.288320418	3.470327596	3.163754811	8.703164861	3.747492813	2.589138023	3.400187386	4.854608562	3.918599375

3.832189037	4.266670921	2.481856163	2.133158736	6.868263324	2.918947791	1.736124915	1.858810941	3.985530123	3.678540123
5.762144182	4.020069366	4.142319723	1.791097808	6.166562728	4.50918264	3.344044652	3.634463162	4.654686543	1.773738431

RAP1A	LRP1	COL4A1	AGTR1	LTBP1	BMP1	F2R	MFGE8	GAS6	GNAO1
5.202609167	6.683562507	7.329397272	1.573311421	5.389680455	4.48642155	6.103106987	6.099712394	5.678259218	3.155447469
5.529724544	5.707186072	8.481705811	0.046195848	3.948862428	4.725107783	5.251427806	4.325670668	3.728363628	0.365485882
4.69584297	7.635290901	8.425485217	1.291514361	5.292905645	4.982917497	6.578055483	6.04692448	6.500328941	3.307862569
3.917700588	4.851124706	5.419994581	0.561064045	3.237910189	3.315607038	3.634485149	4.01559681	4.060962048	1.011179514
5.843562512	5.907191391	7.747272179	2.360169766	6.297981457	4.602891768	6.022550612	5.308177369	5.789280267	3.946942904
5.43701086	5.845465364	6.767480552	0.268933855	3.820479772	3.474039902	5.328254833	5.30441488	4.851323347	2.130013661
4.945836779	4.563861189	7.554934183	1.179007952	4.934038584	3.973914537	4.700256494	6.471425698	4.874464123	2.073731581
4.359294854	5.616386595	7.275653249	0.132310962	4.449578548	3.595618136	5.240575195	5.108363526	5.991177154	1.047295286
6.418109366	5.874040441	7.462753061	2.602002755	6.681465528	3.161189637	7.281242639	5.697411719	5.46921056	2.367135644
5.863678051	5.273769787	7.167411124	0.144304311	3.558038105	4.271716796	5.429742222	4.08252433	5.5635259	0.763180826
4.97085737	6.495928644	7.250980974	1.282649084	5.903042793	3.465588497	6.417352403	5.664321635	5.913312264	2.580301216
4.726714038	5.095039034	7.608193455	2.69177217	2.702170439	3.647146904	4.120737324	5.005588646	6.457903473	1.419942086
5.346991394	6.318997486	7.031469801	0.518646224	5.165928764	5.161455749	5.677604062	5.986422211	4.665227832	0.977782327
5.064859121	4.347050595	7.017894243	0.9203749	3.285300671	3.540033617	4.876861597	4.579368901	3.461675234	1.04899966
5.397153024	5.944171264	7.018465307	0.072632842	4.44970419	4.600042579	5.807805339	5.890451129	5.842293346	0.928145028
5.447134007	6.306501173	7.942569302	0.604625888	5.669224396	3.819512816	6.90923754	5.045542162	4.130517592	1.286867516
5.034484114	7.324069032	8.849295352	1.569869705	7.21867426	4.860102427	7.228207397	6.988309837	7.043639392	2.177352549
5.63153168	3.137449153	5.364704165	0.320069758	3.947781121	3.38832689	6.170440517	4.626145154	5.139454788	1.302919928
4.900075344	4.42591589	7.004978191	0.028115274	3.127941742	2.517838189	4.923568315	2.866277276	5.288132664	0.257367324
4.687033042	5.223749375	6.957642338	1.495482594	4.028047852	4.28527926	5.056286395	5.083524313	5.338613093	0.795390875
5.149861498	4.996511306	7.148934685	1.488435635	6.185233513	3.449886039	5.554069396	5.383391178	6.213012249	3.213477279
5.219150968	5.958145723	8.260229545	0.024324037	3.72468194	4.336214798	6.272917461	5.174433424	5.904967293	1.183684829
3.662096878	4.785126928	7.734936038	0.216854617	4.241949621	3.093936454	5.534348024	4.222188118	5.66443448	0.482971384
4.662898277	5.204552468	7.731297799	0.660716497	5.374206495	4.325868518	5.930587997	5.5152469	5.652435662	3.199616791
5.323188528	4.579454321	7.874630043	0	3.279463205	3.563512416	5.802993489	4.008034392	6.462706547	1.044890584
4.978059308	5.757920358	5.918955605	0.41938848	4.666310811	3.809056317	5.366330544	4.510227362	5.182124014	1.665115535
5.988964051	7.786187684	8.403427934	3.633392517	6.937325654	4.68868561	7.222225396	6.594116984	7.146118553	4.731037527
5.61564428	7.103741198	9.706501491	2.700899137	6.692587798	4.895139558	7.509488376	6.520763835	6.482116736	3.412552434
5.639332687	4.864033575	6.251873003	0	2.048769969	3.12164716	4.262167908	5.056806696	4.848427333	0.298879076
5.416860845	6.010483759	6.805176129	0.88660487	5.77298514	4.414762548	5.931454828	5.134841039	5.688630154	3.010622957
5.109515182	4.980175515	6.929035527	0.156510948	5.564322842	2.986038726	5.555008102	5.580937584	5.629982418	1.351814945
5.586604134	6.511864233	7.903512016	1.947714092	5.303353146	4.10752422	6.243872682	5.569723873	5.530152243	3.378715565

5.493468163	7.515434926	8.747329784	2.017261376	5.998490428	5.501961044	6.784084832	6.447280826	4.879185544	2.746400797
4.227615719	4.667216718	6.768700024	0.064289469	3.743807572	3.24171819	4.857359978	4.21592525	4.45373078	1.038343188
5.706411378	5.942896431	7.669853202	0.881694303	4.778335983	4.423993969	6.463653637	5.424000183	6.877406396	2.276910259
5.594980432	5.227144207	6.796986141	0.856770741	3.620834698	3.991763296	5.641344053	6.047828171	3.46773187	0.56085761
5.070264274	5.063845057	5.976136175	0.105909041	4.506197128	3.68500006	4.630599887	4.238991663	4.337003591	1.369526503
4.751597243	5.37319533	7.240029045	0.614186958	4.602100317	3.258563831	5.393265839	4.532433391	3.938541753	0.846211828
4.9790185	6.144040698	6.392999532	0.06526543	3.410955427	4.504817843	4.924299398	3.725973948	5.245621079	0.733476645
5.325877039	6.221403413	6.931423076	0.859916675	4.771060151	5.619055597	6.810439749	5.007077433	5.902656016	1.461151134
5.425255079	5.820600656	7.71082035	1.311713869	5.469637018	4.974651555	4.630433149	5.291479632	5.865872063	3.884545454
4.775920435	5.09823254	8.621822458	0.3099984	4.663777289	3.485134135	5.161326343	4.928513257	4.273445975	1.310479712
5.371614749	7.742704356	7.049205527	1.518606215	6.690591548	5.831450523	5.619873289	6.676425167	5.32439364	3.496843303
5.459699334	5.615967484	7.600463902	0.525139097	5.463531534	3.988125292	6.216574409	4.901882822	6.429848045	1.066111465
5.057395462	6.002656536	6.986887618	0.258078466	5.300710193	3.702968281	6.428555833	5.155657585	5.780753652	2.345276759
4.697181411	5.450794156	7.45622723	0.071660355	3.596050142	3.382971577	4.897240562	5.024408712	4.236497242	0.73350261
5.345662582	5.600295944	7.899506493	0.659925571	4.644370263	4.578514959	5.288661894	5.972981552	5.020873543	1.942127453
4.512377893	5.085979425	7.053716751	0.251529036	3.64022166	4.50216419	5.188996585	5.165148064	6.511744888	0.936087878
5.056654246	6.351769339	7.584753074	0	3.799617756	4.091824772	5.046539556	4.482667521	4.984100983	0.393943005
3.934076585	5.598318278	3.830333109	0.061240145	3.185441982	3.58152052	3.255437853	4.502869619	4.7756395	0.764923466
4.639704981	6.612712487	7.532625497	0.64628356	5.749296665	4.066510257	6.133044432	5.956295758	5.341116804	2.06805695
5.594158211	6.586069037	7.36730031	0.163958393	5.278958661	4.100302077	7.081269161	4.941479399	6.006126857	1.839500052
5.241453338	5.94199813	7.057534716	0.206842041	4.889217273	3.421204003	6.203198647	4.917043324	4.234544253	1.055962928
5.004604997	7.163531035	8.446807745	0.55599104	5.748620628	5.388324486	7.128870529	6.521917689	6.603556715	1.773402774
4.584832248	4.488180586	6.097285354	0	2.10438547	3.065418252	4.774481463	3.916198927	5.638021368	0.569350529
4.888650382	5.070796812	7.118970004	0.114236188	2.863185178	3.486555978	3.743796837	4.909757498	5.923223742	0.520479397
6.099996899	6.880928898	8.064343343	3.018360008	6.606974042	4.908336646	5.89785247	5.774247902	5.477937211	3.361738211
5.126752845	5.72599602	6.500093726	0.095778244	3.621510519	3.828484348	4.949273981	4.15749237	5.888885176	0.101630714
4.705425385	5.893740291	7.931933997	0.358057772	4.961622335	4.99474109	5.892546984	5.694000219	6.008641482	0.764596107
5.447347686	5.931599548	8.509964554	1.844451155	5.947231419	5.377993157	6.819998676	6.889604215	5.724244789	3.82659322
4.952507655	8.33710281	9.293930946	2.454194007	6.615419848	5.493974089	6.707436335	7.05844477	7.064133536	4.104650556
4.760191181	6.177009812	8.020024433	0.138591112	4.909020991	4.162825593	6.493168145	5.564954147	6.425949826	1.982158867
4.7057398	5.031201388	5.071662175	0.396033942	4.072254461	3.728906562	4.531828642	4.543591729	5.062253325	1.59714154
5.335911637	7.262048855	7.132165397	0.217213279	5.484103127	4.361763094	6.502562473	5.805969852	5.914333214	0.794325699
4.708516269	6.054058362	7.349428515	1.930177297	5.432273066	3.7465237	7.12510193	5.373657422	4.764337685	5.244844056
5.019710697	5.033519477	6.791814272	0.257332614	4.126516341	4.693270198	5.244631759	5.214794672	6.73394917	1.643710495

5.145935164	5.914781151	8.215606797	0.533770019	5.490391056	3.985026249	6.532521665	6.092541863	5.350110277	2.317786445
4.660868279	6.035800243	4.736617868	0.014946141	1.559293661	3.600033597	4.190870117	2.521365658	4.903429316	0.323061179
4.591389758	4.074139587	6.385681767	0.020112833	4.66884324	4.192703796	4.359377353	4.044149293	5.906430554	0.634413578
4.740424561	4.941615766	5.977967141	1.442441187	5.25007331	2.849559241	4.406973704	3.648212125	5.911474759	2.405910347
5.077281786	6.809383025	8.875839301	0.408212679	4.047255257	5.350282377	6.070530652	5.717978003	3.19524481	0.913669972
5.452659084	6.703641637	8.522211434	1.308036946	6.233310778	4.861702058	6.901989684	6.547414213	5.672348422	3.47982597
5.040859267	6.790450468	9.619623255	0	4.38506183	4.55820743	6.362607524	5.219298512	6.605856771	0.556607273
5.463297257	6.719488457	8.789367692	1.456022177	6.797712385	5.013167601	7.081987732	6.862437039	6.761470789	3.537154224
4.097186228	6.179500405	6.148039903	0.539984642	4.466060108	3.881835401	4.916424531	5.199410325	4.225675587	1.963486765
5.293024916	5.241547001	7.736397732	0	4.102885454	4.136889786	4.877423246	3.214383179	5.68988002	0.669227442
5.033652647	5.077060202	7.23524581	0.637115729	4.658078794	4.775382247	5.294188003	6.160138264	5.411380439	0.934199493
5.355180909	4.812620324	7.017627478	0.243722874	4.026267308	4.32067178	5.167887605	6.037918315	4.899515253	1.656543031
5.27408267	4.782552471	6.211140489	0.785700276	4.344261076	3.538777779	4.388763589	5.31895566	4.334799525	1.625138041
5.311055847	5.745165592	7.139039874	0.061688679	4.441381939	4.518783397	5.656205283	4.885710761	2.591693847	0.45179366
5.105957902	6.059853301	6.844405512	0.029827756	4.995729542	4.198057496	5.38063949	4.443585644	4.996417454	1.747687892
4.914396381	5.151147083	7.536726061	0.127164798	2.746228136	4.305715468	3.741435656	4.677077219	7.558713178	0.20075244
4.898846613	7.481882299	7.083174788	1.393768506	5.572217086	4.699292899	6.94776972	7.096695449	6.209064759	2.748533548
5.01074183	4.980694192	6.699395211	0.684378133	4.189683311	4.498085965	5.295519605	4.972682562	5.142958351	1.569006208
5.123625532	6.371938166	7.883752478	0.144633668	5.268579379	4.187006589	6.111268561	5.004270271	4.993585963	1.328598764
5.433933619	7.075259582	7.546144616	0.533990352	6.093382081	4.545115396	6.583144197	7.3465183	5.05888979	2.047731569
5.726517789	5.41682744	7.662207734	1.094360831	5.422516569	3.060014612	5.752897327	5.763717722	5.648754385	3.212622665
4.851843903	6.591606843	8.578123148	0.331179567	5.633725402	5.095716966	6.392823092	5.700660049	6.868600553	1.877791398
5.32812581	5.890601241	9.227753111	0.113341507	5.08719218	4.610794284	6.666019607	5.484045853	4.870640161	1.227844879
4.605311542	7.01993622	6.837648293	0.017398119	5.638923963	4.527405237	5.484594514	5.105708829	5.796757499	1.200771162
4.591901513	5.700577615	7.14693777	1.218525742	4.13553228	4.556188785	4.907136607	6.312905044	3.726491976	0.839925998
7.027193707	6.913364883	8.707082771	4.911241799	7.986063227	3.925461197	5.410585878	5.77413175	5.843677834	5.204973013
5.2056065	6.592394705	8.637416076	0.985194731	6.576413561	4.464966348	7.14279147	5.89941262	6.062118329	2.913674848
4.739259391	6.050958064	7.811565518	0.276649535	4.246281496	5.238549012	4.235302137	4.685195608	6.508887913	0.508192472
5.352603953	5.213918997	7.346780603	0.152294665	6.035865157	3.633922179	6.07693911	5.415220193	5.481227583	2.788748474
5.089481116	6.068174694	7.547808887	0.670475141	6.044339297	4.605156139	5.864382599	5.400377768	6.594529653	4.188744686
4.865406672	5.913947689	5.868279219	0.07118296	3.946647102	2.728444741	4.706180103	4.854759206	5.130674279	1.348307168
5.694143065	4.298713543	5.655303333	0.411253182	4.941663156	2.277055015	4.929264595	5.174423017	4.676633919	2.232953711
5.634009517	7.459183073	8.665635779	2.661390276	6.266192975	5.070973494	6.087315131	6.70275713	6.150485545	4.508943966
4.729236101	6.407832793	8.290289718	0.834306063	5.842030679	5.529650108	5.973582123	5.807215337	6.933114108	2.800850124

4.892230716	5.946978964	7.952333346	0.014403677	4.27151063	3.971830392	5.837737106	4.795815619	6.570505487	0.720053942
5.184311086	6.005163715	7.425519864	0.081785276	5.078438509	3.931612986	5.067055772	5.143142812	4.644721255	2.017117049
4.63782355	5.925847845	7.675710283	0.295930382	3.687609747	4.670014317	5.325397829	5.817941528	5.172094732	0.259053959
5.613309563	4.795275443	7.384652822	2.880315231	3.867414425	4.459955786	4.926534263	5.454724501	7.059846184	1.435142575
5.327252507	5.938813408	8.310099494	0.183238042	4.654570992	3.90856627	6.868604394	6.585135748	5.297335537	2.077697724
5.245524591	6.064336465	6.60926339	0.611037796	5.446195616	6.000476996	6.934228686	6.337299102	6.479219871	0.550654049
4.940408981	6.587238927	9.051903857	1.29271029	5.79526939	5.187421089	5.877210768	7.073395297	7.658793308	2.708430236
4.641854302	3.224167743	6.935889388	0.027428148	2.334604269	3.046905622	3.963063567	3.38157541	5.002964639	0.362571518
4.812105192	5.414904932	7.190612925	0.191130077	4.107799755	4.498928805	4.698297805	5.673544708	6.355071218	1.547421992
4.042622804	4.287767513	7.224632204	2.068730046	4.258582366	3.61737006	5.07997825	6.267888032	2.608182968	0.515306493
5.510160829	5.94986694	7.479530888	2.65041657	5.583729927	3.453350882	4.511590226	5.387815438	5.949161358	4.077375701
4.315202869	6.256394393	7.034547712	0.955890961	5.590170234	3.742966041	5.957926265	5.192739433	5.163082113	1.643345973
4.914816011	3.664423754	5.593343902	0.475272788	3.330975935	2.641123216	3.594198956	4.48293859	4.35100544	1.774823534
4.575754592	5.045302772	7.125626552	0.031689251	3.429844759	2.992398229	5.439012343	3.938892276	4.39689736	0.676461439
4.678028439	5.264863824	7.828418805	0.52160212	4.253099208	4.784159769	5.240544809	5.367000001	5.301684454	1.585147428
5.188773048	5.29763853	8.591776317	0.16743473	5.395318238	4.540580752	6.551360547	5.713948413	4.980786521	1.498574166
5.083814399	6.274869393	4.485369031	0.751997124	4.470294707	3.90464365	3.913006286	4.356766213	5.017681479	1.642758944
5.670892007	5.342196914	6.603692356	0.77349572	5.313935547	4.263078281	5.390781526	5.13198663	6.749380586	2.434580797
4.385638274	5.891560053	7.069664696	1.466651344	4.994714217	4.052379242	5.208152945	6.06285016	6.320435086	2.642797401
5.068874614	5.233758699	7.108971711	0.134376954	3.077215006	4.142417462	3.877182231	5.546457248	2.981237479	0.69846565
5.157764395	5.571599521	7.659446517	0.012389426	4.726950519	3.558325833	5.420301806	4.484123795	4.19894016	1.010683784
5.88598174	5.027864695	7.684340455	0.075282388	4.88091107	3.893863077	6.160696854	4.000091286	2.78530429	0.592510101
5.438329349	5.375823394	7.880511994	0.028065263	3.534787106	3.546679093	5.179016311	4.355867511	4.226301809	0.661159461
5.726534186	4.077995283	6.367925447	0.313245698	3.562844784	3.056607999	4.565322138	4.831719647	3.795193612	0.569517203
4.305557482	4.602975631	7.600723512	0.136280473	4.991878169	4.502263191	5.132996499	5.778035473	3.023280815	0.512343134
4.992300413	6.184842434	8.512074472	1.757670252	5.264777673	4.906478063	5.481482679	5.778898468	5.515882866	2.966383176
4.789092246	3.870443968	7.619872829	0.316926059	3.15234162	3.831546521	5.093250385	3.960034613	6.068273429	0.674249428
4.239121394	5.912196862	7.840297465	0.984221318	2.980051132	4.32934443	4.85573924	4.302565815	5.190218152	0.642594946
4.915672132	5.765272843	5.890171949	0.889749364	4.145261017	3.604499422	5.134928499	5.267116809	6.029779246	2.193443805
5.868711242	5.914393313	7.628274231	1.994787764	5.95418285	5.263468065	5.344164004	5.930757628	4.923208115	1.252831102
5.166632424	6.013484862	8.740584887	0.582558601	5.195100097	4.704090787	7.000868683	5.87930156	5.348297238	1.004232119
4.670451492	5.089032603	6.123365305	0.065659373	4.101954367	3.548313493	5.198100053	3.981622745	4.07410813	1.098341183
4.743987519	5.525045705	8.239279189	0.035522627	3.590123825	4.081308805	5.138032879	4.443522728	6.703604702	0.678786788
6.424734834	7.115722063	8.524995813	3.618050231	7.130726161	4.041885106	6.480980086	5.857613417	6.695978129	5.683340542

4.925199566	6.367004248	6.721019662	0.059486757	2.612100626	3.650994448	4.897093178	5.372392897	3.636063017	0.708482256
5.539703508	4.643781457	7.360011049	5.477242028	4.889031098	3.962213473	6.556120757	4.807430324	4.663341507	1.120162584
5.588930975	7.184862266	7.375959237	3.423302043	7.195574098	4.50926678	6.72944717	6.151325506	6.254891512	4.504592192
5.521792961	6.038485631	7.195281895	0.302813711	5.862548468	4.097574105	6.479042861	5.15750764	6.598428252	2.441989857
5.04302322	5.231204847	6.689604971	3.006270467	5.063046321	4.572786017	4.792298328	4.673378776	4.996618603	1.51995535
5.00720837	6.527107951	6.935203858	0.855632865	4.850517487	4.349652344	5.028206517	5.112553958	5.870949275	2.631472765
4.810351971	3.434865905	7.790025682	0.171477278	3.891950626	3.193365994	5.57568643	4.667829218	5.451812499	0.694927135
5.048829841	7.346823567	7.458411412	0.292819889	6.219545232	5.074937812	7.137852432	5.401692109	6.835295922	2.611755642
6.739336233	7.549623479	8.756686123	4.724294914	7.157130508	3.833764357	7.309678675	6.281076629	6.650096336	5.167470902
5.142442563	6.078849094	7.14184889	1.109907783	4.355378486	4.306385472	5.410098516	5.555855281	6.173216538	1.39788144
4.733960705	4.181026619	6.230109903	0.036709579	4.495530771	2.841317727	4.259282559	4.377341543	3.550953567	0.688843024
5.713543183	4.39579094	9.170826339	0.35692453	3.51278624	4.129771348	6.135985062	4.929717878	4.262455076	0.562164244
5.557764246	5.57984324	8.23843377	0.015644006	4.342934521	5.050424645	5.921738754	7.169508328	4.911653612	0.499239087
5.199748651	5.873657767	7.049792594	0.901383652	2.985560603	4.081975157	3.81332984	4.713917022	3.513748874	0.370125195
4.613466795	5.919013872	5.567389113	0.017707413	4.076905195	3.324857825	3.444601113	2.677264565	4.589194681	0.194642995
4.449959456	2.277585078	5.985515383	0	1.570797907	2.811380036	3.70130271	3.163698006	4.240253395	0.223281601
4.379463153	5.514155429	7.299268888	0.409561782	3.078860823	4.928221663	4.730138566	5.994772073	3.411896315	0.627364629
4.965364166	7.016879085	9.93650521	0.563680796	4.667112914	5.042376426	6.318167321	5.663928729	5.541360414	0.631508261
5.20132254	4.73616004	5.647422266	0.345501925	4.742039679	4.339025263	4.080606919	4.796415156	5.140853309	0.821502326
4.855407465	5.721255694	8.264036886	0.175297295	5.592652508	3.827781984	6.311929933	5.396512607	4.700450518	1.994022817
6.671529399	5.602795218	7.761263614	4.311738119	6.414582831	3.284419614	4.476350365	4.982213288	5.119159129	5.222214322
5.602795411	7.435545015	7.696233704	1.97868067	6.975254129	4.434727622	7.364523027	6.054495714	5.821645378	3.912996463
6.810219586	7.410793806	8.767276384	4.298104887	7.149736314	4.177129782	6.466246938	5.920598312	6.77624865	6.009124432
5.227665161	6.770113189	9.692954141	0.247273868	6.742993121	6.088348921	7.761159638	6.706787558	6.328924346	3.177043655
4.653856363	4.189111658	5.771574515	0.189504612	2.452658916	3.70068702	3.623729052	3.04506312	5.234471245	0.087041452
4.777139685	5.634415576	7.745345137	0.259359594	4.643006855	4.253726567	5.383433437	4.985191797	5.958069245	0.548839038
5.685395397	7.213305414	7.550320071	2.909230518	6.472156026	3.590098929	6.389799816	5.113980006	7.205183392	3.654093226
5.562310625	5.355937467	8.96701197	0.448123188	3.992712929	5.459673853	5.013037422	5.424332458	6.308061402	0.359564761
5.261050523	5.27888044	8.034417715	1.318489395	5.557727483	4.326070234	5.038159121	6.023048984	5.607982533	2.569306497
6.145294337	6.121499908	8.130521384	3.360023141	6.837759061	4.938831976	5.691175128	7.197086222	6.284470393	4.124963696
5.155521482	5.671423245	7.031513086	0.049764909	4.434963826	4.749637391	4.418469782	5.274511277	5.858186124	0.909986953
5.385359351	3.103515454	6.515572863	0.043136863	3.532586684	3.198668943	5.074847639	4.063322362	6.259190013	0.193371992
5.34830106	8.247584805	10.14194432	1.313845547	7.619682137	6.768265721	6.41171169	7.734493552	6.897609051	2.942321867
4.801927333	6.19956096	7.168622231	0.286675351	5.35103206	3.62194359	6.246047844	4.797063777	6.529958445	1.937652723

5.121702269	4.22670971	6.445652609	0.633739936	3.796741141	3.858020243	4.286525404	4.997746813	3.72095026	1.636444611
3.976680795	5.344442446	7.705117239	0.255052983	3.266060446	4.576174856	3.468350152	5.344744695	6.097482616	0.753083285

LAMA2	ABL1	PLXNA4	HDAC5	MEF2A	PCOLCE	GPC6	CBX6	BDKRB2	MAPK11
2.98091985	6.416932665	2.178552128	4.235407981	4.600732941	5.738123454	4.107401962	4.390690279	3.583712421	2.393756639
1.232123781	6.110766489	0.218586682	4.851449805	4.607960872	3.757889017	1.063942262	4.111633285	4.824224947	2.357826224
4.468515873	5.992130014	1.809442653	4.745635156	4.753159261	7.53861894	4.129240846	5.358294463	3.65560523	3.377043068
1.830635214	4.474789475	0.776095747	3.503962729	2.639796793	2.289168088	0.90561071	2.30632423	2.528639136	0.955819253
3.465911768	6.471882365	1.276981484	3.511290728	5.321123865	5.455622797	4.457664799	4.631422392	3.376966864	2.870385929
1.760796537	5.046264136	0.383742605	4.119995858	4.285989693	5.021405342	3.815139397	3.711522075	2.283860824	1.953217241
1.483798027	4.697019023	0.969416883	3.963606509	3.648318019	5.613998292	2.210313998	3.352445651	2.829556061	1.925872784
1.595711643	4.939373429	0.95500452	4.680555756	3.369734679	4.34523671	3.011532546	3.376193795	2.587465028	2.77129003
3.912085219	4.924143178	1.590244639	3.063358479	5.344439882	6.44685565	5.16917361	3.361387261	2.906908315	2.076342398
1.296973771	5.898533629	0.250907969	3.861864968	4.210999552	4.372466852	2.258323317	3.261346275	2.634952172	1.70465485
3.719283282	6.086858487	2.043799206	4.896635912	4.166221446	5.190923086	3.59037887	6.059017739	1.553567808	1.972652764
3.099089723	5.873232365	4.011759772	4.251264512	5.405960105	5.674414752	1.398238012	5.601556014	2.441549809	4.224108054
3.387880603	6.47912484	1.064168927	4.498154737	5.717922694	6.129234486	4.282433952	3.317565578	2.654614144	3.83871976
1.957795391	4.417268818	1.005009622	2.428773002	3.367591606	4.382139883	2.815797179	2.385723549	1.925787541	1.761088491
1.656598859	5.727708353	0.568161746	3.613146613	4.06308624	5.040608216	2.799128884	3.222548209	1.141983775	1.649798474
4.108429712	5.51781169	1.203544528	3.579376019	5.289684813	4.942205323	3.817203056	3.466418428	3.516332802	1.984738902
4.394513518	6.834366507	1.570881038	4.880855722	5.752925583	5.744969065	4.862440519	5.942909175	3.890391789	3.118840382
1.328846062	5.064632568	0.352079717	4.279863299	4.775466517	4.202630428	3.244620422	2.550081099	2.112204739	2.095973247
1.135395989	5.240777973	0.212707793	3.475223101	3.694802398	3.089003991	1.627577194	2.941568794	2.80930779	0.859819062
3.215059411	5.209509834	0.939046652	4.525168053	3.80599014	5.28844259	4.146283087	5.423826787	2.448321988	1.861691802
2.248427333	4.719528379	2.379334135	3.981100988	4.086210905	5.046183	3.155615816	4.642006947	3.188464296	2.392931392
2.253105291	5.81655343	0.417835549	4.682886041	5.461566825	5.677483339	3.41221595	4.569337918	4.02606839	2.093234873
1.212878361	5.074819002	2.394581034	3.42627262	4.511678364	4.298189171	1.174650503	3.684254738	1.832561748	3.23452405
3.24921219	6.233133128	2.431992055	4.043184239	4.344990591	6.117395463	3.833554784	5.30630359	2.217709354	2.859447289
1.97981826	6.096703162	0.192251985	4.675923608	4.077994478	4.103355819	2.576892113	2.44717683	3.703020887	1.880195579
2.883488753	5.591269423	1.191740324	5.324533975	4.857856765	4.598580472	1.763229475	3.713281597	4.967432161	2.645144941
5.219352991	6.822315226	2.305455103	5.204786315	6.026905154	7.151726364	4.808341525	6.500014479	3.340370596	3.312904304
4.490128565	6.575697651	1.741360721	5.520099985	6.03814571	5.518214797	4.618126979	5.283152951	5.581279636	3.130641855
0.529156025	4.131537954	0.062329324	3.490009567	3.732343364	3.439468443	1.174558356	3.350285381	2.655299088	0.993929796
3.035990525	6.350593982	1.140306789	4.178998229	4.725566348	4.805082274	3.979747072	4.178608169	2.241107516	2.622468448
1.595690186	5.069986029	1.325697727	4.461066876	4.162459794	5.308892391	2.197699868	4.497231626	1.923992054	1.760742626
4.027736448	6.146177968	1.950040251	4.594253782	4.851577326	5.918883196	3.432219072	4.991861215	2.792825894	3.10308445

4.257803688	6.527083933	1.331068682	4.745180388	5.091452487	6.98800688	5.124806612	4.928786614	3.604390627	2.883513995
1.539900738	5.220698153	0.627175293	3.063459087	3.271572338	3.874194675	1.849419688	3.067263377	3.312057693	2.570009703
2.905104006	6.324043443	0.844854617	4.596948274	4.587733789	5.144659167	2.652571945	4.326091024	2.222682764	2.671166279
1.435685614	5.985499537	0.207520015	4.635018902	4.447191067	4.296048232	2.031460186	3.267666408	2.758925309	2.214286381
1.541804216	5.577659828	0.413296538	3.649131262	4.836443172	3.55625817	1.44738499	3.703892102	2.973981173	1.929388636
2.025289294	5.656898511	0.69950745	3.902315261	4.924330244	3.873734219	2.069731429	4.117326582	2.411170506	2.620584855
1.637457634	5.789135234	0.173514811	3.067313809	4.298134519	3.339578184	1.632384879	2.118801461	1.960590876	2.409048003
4.024692052	5.531588051	1.336100864	3.731666033	4.834054322	5.716927238	4.303835626	3.135876478	2.88042465	2.491787246
2.749464812	6.169941042	1.23037531	3.819885789	4.573474962	5.67608111	3.589971739	4.500258067	2.996570535	2.6233844
2.619696876	5.121752557	0.701979273	3.501982042	5.321485764	4.572106512	2.380991612	4.247723682	2.918058981	2.368277835
4.475030442	6.184257579	2.199356637	5.009619744	4.75575456	6.882130783	5.108900233	5.416681295	2.965003953	2.494194322
2.068437721	5.516374032	0.536434512	4.228314533	4.358007527	5.581354747	4.053356765	4.449818009	2.159484672	2.791736874
3.230126528	5.691152824	1.334658917	4.057899064	4.455124105	4.915384646	2.965935358	4.50559146	2.717858707	2.485996597
1.790387444	3.971527726	0.428880608	3.598941423	3.062662855	4.779429085	2.224456631	4.048783572	2.550217991	2.215028828
2.621998514	5.052794055	0.835958885	3.97860502	4.243035348	6.223365184	3.933962759	4.560839127	2.701001369	3.48485639
1.845684027	5.884264822	0.332776147	4.020861881	4.326577243	5.595186594	3.124927399	2.959637602	3.513946069	2.399600989
0.964677807	5.863620171	0.161025212	4.062641507	5.235220979	3.857534875	1.944411367	2.223870097	3.629543723	1.312296041
0.804918697	4.614803759	0.243954126	4.985296705	3.872240879	2.735014504	0.68368768	2.449049183	4.124941791	2.05031243
3.565236568	5.614563868	1.728290904	4.530726338	4.2047042	5.78838746	3.914936299	4.566405395	2.977276104	3.484773543
3.697508012	5.431611889	0.868017453	4.826527202	4.911039714	5.005706245	3.797891013	4.013531921	1.982614241	2.89285485
2.704819687	5.572753521	1.057078692	3.562580447	4.834778906	3.874028937	3.324066911	3.095087053	3.106182881	1.9040641
3.751679726	6.209439462	1.728355757	4.951231837	5.663862899	6.378719062	4.35719651	4.657291856	2.082312072	2.780285116
1.718798948	5.203789863	0.059546979	3.618566488	3.95674562	3.436127509	1.772132558	3.172373738	2.535133028	1.274503803
1.361029354	5.074022741	0.141226759	4.381619488	3.429922531	5.61009046	1.290186144	5.248171998	2.470612558	3.357446896
4.324125387	6.328624365	1.275795971	3.895673842	5.548131215	6.682827173	5.661950783	4.860665976	2.598511795	3.274815134
1.156956967	6.617358026	0.206833461	4.455100198	4.486935579	5.2458	2.491682472	5.625110632	3.530806312	1.646886362
1.929572616	5.688007111	0.637109657	3.721302396	4.140105955	6.148399464	3.790963916	2.86598917	3.962704729	3.584416342
3.411145234	5.983946859	2.536046935	4.580892053	4.822881972	7.019744546	4.578060881	5.378677949	3.400326197	2.707515864
4.646410614	6.78420212	4.233844247	5.324331568	5.103776003	7.516267033	4.92335923	6.444750495	4.476178153	4.129856018
2.853743117	5.954055211	1.201940389	4.564886607	4.057895331	5.73058099	3.072524703	4.201643661	3.6376987	2.533529667
2.57464696	4.529124369	0.591048201	4.046408859	4.592996469	3.922881527	2.374264566	4.425285258	3.124126622	1.920961523
3.453680576	5.862053173	1.63085228	4.88408734	4.682529177	5.626065034	4.077240815	3.91187483	4.033588611	1.385068117
3.805778992	6.005510975	0.811296688	5.238854496	5.766992065	4.457995707	5.745744075	6.135327182	2.493882818	1.841890623
2.275532717	5.985803804	0.762894644	3.487548751	4.816861972	5.656368661	3.034299533	2.358188878	3.140495529	2.376868159

2.71025603	5.964810504	0.50548345	4.223010707	4.558570007	5.727807171	3.610675887	4.94298524	2.878953549	2.76402345
0.509344637	5.488648884	0.059400586	3.468556728	3.010910704	2.643927756	0.755968197	2.582209319	1.799758261	1.082952849
0.610942775	5.594244122	0.233836707	4.182532863	3.730690889	3.83642982	1.132735445	1.929495043	2.805685592	1.28393159
1.836545243	5.542178234	0.785476095	4.105760035	4.822771677	4.70575465	2.598577406	4.014921212	2.146398958	1.693864451
1.962348082	5.847215592	0.814294016	4.699586697	4.708046952	4.33736108	4.66593869	3.550674988	3.396049594	1.67188867
3.741665134	5.838717453	2.554817412	4.981602825	5.225748306	6.025238903	4.267601253	4.702559217	3.352498921	2.810655414
1.542597517	6.410533235	0.197537123	4.376052399	4.827475069	4.571258132	2.097134521	2.96358155	4.366497199	2.236498114
4.512766831	6.731171405	2.239631027	4.646651053	5.306933868	6.230507186	4.50069962	5.27806008	3.216662252	3.903392624
1.998120806	5.799643142	0.83070186	5.171572207	3.890429045	4.399502229	2.257200788	3.684770817	3.561598622	0.938757937
1.136824673	5.189646594	0.088631316	3.930435224	4.543481048	3.991428405	1.3278338	1.470350626	3.54491679	1.365035835
2.386976029	4.338142474	0.644114972	3.133949738	4.347117721	6.291363982	3.299495835	2.044821911	2.486051663	2.192650696
1.428170394	5.858325769	0.637892538	4.04176961	3.303585747	4.603970666	2.757441816	5.185243216	1.378585968	1.876722548
1.375523232	4.944960004	0.312278992	4.224965414	3.728791442	4.207722799	1.707582756	4.729058648	1.802999223	1.740593818
2.295707591	6.170935572	0.211349325	2.741868011	3.942180119	4.39331199	3.345895031	4.274925444	1.808498219	3.678053163
2.397362643	5.711526844	0.766534041	3.98030278	4.74300523	3.372915296	2.685097933	3.799627107	3.91254465	2.029065097
0.631165764	6.698984323	0.152971177	4.024766644	4.242584615	5.036617096	1.513257785	1.560672455	3.69141981	1.597818925
4.209343368	5.992367592	1.952616162	4.725004847	4.371668054	7.806826038	4.522066332	5.580570062	3.840224802	3.466259692
2.304433957	5.380180729	0.955682237	3.340324282	4.278728608	5.103297002	2.668046892	5.069049431	2.052139983	2.792987513
2.306929606	5.264745112	0.693570818	4.501336444	4.67660011	5.050153604	3.563642271	4.980505837	2.680678993	2.890009185
2.837625383	5.887981803	1.062648497	5.379527089	4.6572762	5.049937885	3.143461423	5.226244783	2.313158583	2.798565481
3.875201466	5.785523762	1.631015058	4.625770285	5.191792337	4.415181012	3.759948855	4.706274309	2.590292556	2.548815702
3.745690222	6.727890624	1.114278519	5.009196782	5.550168431	6.141621615	4.355171024	4.077231458	3.704327639	3.515225364
2.385206869	5.556524954	1.05413875	4.67095249	4.453639065	5.31148392	3.575166073	4.54237073	4.745303871	2.88138721
2.519085304	5.557955119	0.490207832	4.228604275	4.785517074	4.561669689	2.266027675	3.581615984	2.080743778	1.280086042
2.705387242	5.567347171	0.826579631	3.900653789	4.331445833	5.840283296	3.701813985	4.664206245	2.78210427	1.783913522
4.569096641	7.31711731	2.35852163	5.01015783	6.781378496	5.644773442	5.195005487	5.945807909	3.03298002	2.269222746
4.521487025	6.219722428	1.957540928	4.642509157	4.754569884	6.411123019	4.395560624	4.295608391	3.635107933	2.730433318
1.672784429	5.817678043	0.563274249	3.609203587	5.039670058	5.876082406	2.675515939	1.799197244	2.136795804	3.138690729
2.639235095	5.682392917	1.741637693	3.620073896	4.558992903	4.36798325	3.564309472	3.976851672	4.282037649	2.119464554
3.894212573	5.631927876	1.978839755	5.143104598	4.542983092	6.253616326	3.903775902	3.749150582	2.682988498	2.812396917
1.262148923	5.34581943	0.334058954	3.926655949	3.854305711	3.876152005	1.903071663	4.053841744	3.200307857	1.703883309
1.938203975	5.041979788	0.498806273	4.002804711	4.939590855	4.992321165	2.629987688	4.090381391	1.942870304	2.750143252
3.810535312	7.25845868	2.221144198	5.080072012	5.278635234	6.70755062	4.448799477	5.49526306	3.682888846	3.374662994
3.82042092	6.891378903	0.892779635	3.55504761	4.722748378	6.119928134	4.376531044	3.747095789	2.609087708	2.973780192

1.872674208	7.058969394	0.709469979	4.761808601	4.900415478	3.794337801	2.899901951	2.934502487	4.852636004	1.467625413
1.732338132	5.754418746	1.031649663	3.966321033	4.650610577	3.453212779	2.280286257	3.705222733	3.84075444	2.05246392
3.096036349	5.651636239	0.43366258	4.978839096	5.168681863	6.126891948	2.666423739	3.725518071	4.51091446	3.586201668
1.388091928	5.848448842	0.808712291	4.60129269	2.948826193	6.345498738	2.262286874	5.419460748	2.225074229	5.000587199
2.524694158	6.455485004	0.914930906	3.896389782	5.244832781	4.993237497	3.887139347	3.656985904	2.831206919	2.609092457
2.788253395	5.460466258	1.040339859	5.305074907	4.96352491	6.874502918	3.918862794	6.211844481	2.083104955	2.18295571
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1.763004225	4.711978281	0.267680375	3.437216979	3.580195853	4.325629028	1.406721448	4.571574058	3.12174847	1.75878136
0.867804905	6.060616402	0.758851276	4.60031201	4.655978297	5.572595112	2.003178759	4.381873643	3.635755572	3.058598067
1.138598922	6.298536021	0.470892689	4.964359241	3.986564822	5.012025973	3.091496657	4.422373692	1.68127001	2.116732993
3.153154529	6.609132837	2.462713946	4.937124298	5.314147341	4.753070756	3.131734003	4.966015968	2.7795175	2.414832847
3.009931791	6.018220258	1.654935702	3.777171344	4.086800925	4.92887589	3.30134316	3.55819695	2.999947997	2.348063447
2.264333224	6.62147444	0.446697704	4.200853412	4.68321618	5.563548492	1.685796254	4.884710384	0.758056187	2.509388061
1.511880231	4.856710653	0.450400298	2.598386729	3.526762158	3.503849626	2.023291511	2.61667281	2.339799701	1.823051276
2.096462914	6.019759324	1.074819383	4.099293201	4.232715386	5.177392129	2.762734657	3.315115008	2.492873156	2.986782145
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1.693921617	5.117547516	1.484446843	4.141326825	3.610054449	5.580883147	3.360614204	4.798812112	2.987806134	1.477039105
1.095508245	5.965497149	0.496315778	4.081386168	3.417906727	5.493911763	2.596869259	5.759046316	2.047808342	2.333961396
1.58208842	5.518447238	0.714809654	2.729175378	4.26542804	3.23517247	1.689788657	2.73214877	3.671800301	1.883397665
2.365375416	5.288329353	0.191872167	3.211973823	4.893990978	3.911137792	2.968393554	2.144764057	1.869377884	1.99289716
1.030228596	5.229070116	0.214948395	3.615864518	4.308104884	3.295814955	1.43329867	3.820507141	3.385731345	3.093588895
1.949681849	4.443560075	0.302378937	3.524329164	3.514665437	4.528696786	1.311747139	3.043917186	2.72738627	1.691275297
1.364619184	6.332259135	0.246594882	4.970346076	4.502396913	4.99532641	2.883097227	4.501866338	2.911166382	3.957887175
2.76394363	5.953848984	1.282208818	5.39246252	4.342227327	5.292962462	3.220152033	5.75196091	4.419514947	3.051568043
1.641867036	5.840823491	0.541985308	3.7508022	4.151704028	4.537976049	2.908407654	2.344001703	3.08794884	2.432981664
1.68396578	6.05365811	0.534501484	4.036356184	3.179733828	4.69239337	1.659685193	2.556732874	2.895707086	1.639294942
3.089282241	5.283015035	0.956443936	4.022738386	3.66215517	6.749298481	2.838072309	4.489816509	3.352602196	2.838029788
3.88712087	5.405676056	1.57994089	3.460859433	5.124248048	6.813439001	5.205237364	3.479907767	2.936096113	2.641902199
3.256907502	6.057284315	0.661093572	3.930506363	4.620637716	6.122560492	3.787060788	4.301403591	2.622723111	3.03783363
1.59089302	4.303943048	0.328573042	4.025454513	3.459313452	4.858081465	2.321624433	4.008458633	2.639705554	0.902492502
2.920438997	6.754335478	0.438086177	4.184690243	5.261498277	6.6411651	2.203447614	6.504338692	1.532859557	2.946526521
4.965655021	6.938696221	3.837146298	5.146684726	5.910214583	6.335371615	4.70537954	6.475975258	3.663477778	3.165178285

0.762311288	4.721098723	0.164430373	3.592759996	5.571816376	4.120519745	1.81018789	4.292901108	2.067734213	1.351797281
2.948883656	5.210533333	1.007984633	3.241733512	4.974340808	4.588028652	3.542040185	2.613949813	2.977025857	1.841886501
4.8078707	6.622438794	2.097683976	4.856784656	5.830989069	7.155450076	5.432537913	6.673024421	3.372576121	3.461407922
3.438561225	6.232025643	1.955969627	4.838761409	5.014730803	5.097050619	3.948296108	4.250361809	3.245214443	2.564092426
1.346907907	6.471917085	0.847727442	4.182946547	4.249851931	4.250602835	2.40430856	3.354987328	1.893493211	4.087549833
2.588333883	5.727390856	0.616281803	4.256291102	4.786538783	5.42673744	3.466660995	3.268446991	3.746469299	2.418216257
1.2022605	5.713000891	0.285654035	4.530890666	4.836087481	3.116760952	2.930295439	2.27371896	2.050437383	4.249287428
4.277668729	6.145268549	1.104141405	5.786858242	5.045450904	6.023010959	4.288212392	4.377192757	1.93731964	2.07636034
5.788364037	7.532160035	2.585773925	5.391926241	6.692094899	6.789718722	5.693740774	7.188071671	2.833844959	3.699176274
2.887414004	5.713971221	1.374112222	3.754145526	4.517446393	6.404344043	4.180825898	3.468914856	2.740775672	2.382508217
1.539143471	4.468099534	0.274849729	3.023295062	4.497321334	4.057409497	1.509816074	2.342139397	1.642171803	1.474278807
0.65786857	4.902077678	0.053334596	2.48887861	3.958849425	4.800972372	2.221000992	2.828054961	3.209387119	2.122577215
2.553009191	5.884775448	0.905482758	4.297627934	4.644488789	5.358755958	2.438398101	3.382045811	3.815496972	1.851906954
1.16680525	6.225522858	0.25145682	4.510051239	4.747732667	4.533765852	1.444303617	4.024671206	2.820704918	1.778175806
0.257899957	5.169611516	0.160992743	4.083242793	3.299331611	1.656468092	0.391887317	1.522109396	1.673524453	1.072139507
0.589775318	4.523723591	0.465244976	1.753505956	2.672116993	3.796299064	1.017610479	2.351956534	1.81032678	2.298447628
1.259031616	5.31947716	0.376263082	4.520436201	4.025117474	6.396690065	2.770900006	3.62935682	3.005124596	2.228887739
2.675832071	5.735511894	0.744888828	5.063332369	4.836362783	6.682425125	3.306032553	5.124818265	4.565672805	2.801574223
1.643258043	6.792260055	0.474681492	3.679393238	4.12279762	5.56524762	1.842674957	3.578365265	2.691852858	1.439196143
3.217851106	5.495013967	0.831104438	3.840113341	4.456722823	4.552102943	2.978765029	3.988027034	3.64480954	2.030751819
2.899422349	7.343809549	1.078742106	4.621123239	5.960436592	4.45660538	4.694736313	6.383518498	2.594188384	2.664189631
5.080830373	6.380241335	2.312651055	4.424688171	5.398949529	5.684739445	4.577616423	5.237171381	3.064855974	2.924755053
5.815964987	7.485448358	4.102099918	5.346593848	6.428208791	6.562671581	5.134193295	6.894222336	4.130017421	3.329557937
3.842757362	6.451670629	2.299855544	4.606414345	4.920490081	7.856383645	5.247795658	5.199638341	4.787875444	3.728657966
0.525398799	4.415202283	0.042392282	3.454198746	3.647620974	3.519870954	0.720613383	3.826111	1.448695657	1.073751107
2.702873936	6.749975138	0.824329759	5.447555053	4.331055355	5.264532312	2.596915021	4.77935793	3.84524709	3.62761218
4.302073675	6.810047271	2.077023873	5.37474728	5.489682334	5.998364559	4.473997558	5.650056548	3.990748818	2.796081722
1.704519585	6.145342	0.251544298	3.369085023	5.188387695	5.312486473	3.256735248	2.589373221	2.514138808	2.302675551
1.717995573	5.063057667	1.320818617	4.11902847	3.941016728	5.807950116	1.919503592	4.603568213	2.355457455	3.039531184
3.381195481	6.130147351	1.650921178	4.715230545	5.032505394	6.627569525	4.363705359	5.687287128	2.915559491	2.882929971
1.422716935	5.880696486	0.146479313	4.067537724	4.555878343	4.81872235	1.93052629	1.938274106	3.005763127	2.057842457
1.20617544	4.531674444	0.19949852	3.043104915	3.922338121	4.80110503	2.008915563	2.548661382	2.570502318	1.44782723
5.027641801	7.585744774	3.140288692	5.207554304	5.539993354	7.786073616	5.395588477	5.069547814	5.455272582	3.518061969
3.814373686	5.366037559	1.561700043	4.151677894	4.299775836	5.303851147	3.315003184	4.463423715	4.532193582	2.708618583

2.307665608	4.919398174	0.63261365	2.678700462	4.130305212	5.107592779	2.316613971	3.286855609	1.952548065	4.652909118
1.24376547	6.546431704	0.439392523	4.693405017	4.560939351	5.066040257	1.95490901	5.275173121	3.730712264	1.766404559

VAMP4	SDC2	PPP1R12A	ANK2	GNAI2	TUBA1A	ITPR1	ITGA8	STAT5B	GNAI1
3.168695637	5.057589745	4.324763782	1.511586567	7.144516664	6.638161332	2.620685318	2.453799479	6.867990674	2.735506515
3.630517365	3.413504864	3.995788849	0.348704373	6.418932982	4.943582061	1.8258299	2.113479795	4.776463046	2.657553187
2.907526585	5.311841727	3.559901705	2.100310902	7.738011672	7.250210589	3.288357429	2.743707798	5.018062082	3.40329369
2.875413176	2.78077496	4.085444089	0.785526288	4.337023004	3.670488873	1.522717273	1.967150572	4.197918787	1.898016271
3.595268857	5.121004957	5.388525799	2.60587108	6.926335544	7.135425647	3.465529464	1.17572224	5.369719817	3.396114019
2.746331172	5.876321107	3.362055854	0.860195153	5.917022381	6.018341275	2.100487105	1.849406569	3.898266051	2.650063444
2.720060357	4.73909926	3.346226173	0.843126256	6.620504228	6.371133259	1.603746834	3.162277401	3.580704423	2.578804012
2.794018212	3.687221432	3.323421795	0.750821919	6.873708411	5.457579856	2.29793327	2.812526363	4.275863289	2.356797529
4.24950183	6.798063969	4.3305879	2.002699697	7.047463418	7.69841427	3.141029567	4.512700304	5.207895903	4.228312798
2.990987033	3.57060088	4.154982694	0.30925742	6.989667437	4.873309296	2.02402989	1.438716887	4.722264632	1.901429269
4.354133775	4.910897418	4.080040281	1.741468486	6.575812168	6.728070169	2.474036931	1.291210208	5.168407942	2.739277731
3.198286601	4.220986171	3.570835225	0.763505488	7.481862564	5.800912469	1.104346796	0.731529055	5.371626626	5.362013475
4.035708676	4.793884837	4.977155961	1.703679432	7.822190265	6.46220226	2.643149876	1.680330402	5.02800009	4.205744069
2.749986621	3.696593528	3.448451735	1.174985116	6.299439089	4.922244237	1.873760932	1.573683647	3.461097304	2.172471021
2.225962457	4.03220607	3.732631905	0.516604997	7.141759023	5.680103857	2.047358213	1.479828027	4.303536009	1.553484095
4.368324865	5.775644599	4.227252086	1.539145685	6.248052533	6.242773316	3.236435353	3.378647074	4.616818434	4.168632488
3.841298458	5.601049893	4.730718334	2.840663157	7.175518084	7.783070663	4.210844025	4.281962299	5.417355445	4.850578142
3.845241938	4.50017992	4.20760805	0.730823079	6.947871769	6.617295182	2.050465358	0.824175408	4.699063458	1.7334268
3.299983563	3.474725816	3.416135002	0.168667917	5.080646859	4.043996726	2.053173937	1.340272447	4.650489518	1.920189612
3.528938658	5.11416027	4.171900783	1.451846277	6.213106905	5.52097603	1.752309067	2.274943685	4.183941119	3.496241715
3.36969377	4.881008099	4.462700205	1.623219535	5.960277214	5.954453766	2.820701937	4.134014907	4.427318805	3.019628453
3.491565836	4.491745529	4.326733438	1.630415119	7.105126056	5.453747694	3.040465004	2.183600596	5.225398683	2.608386819
3.130028725	5.305346295	3.01565281	0.298345166	6.519941618	5.539112711	1.685504519	1.522763684	4.254262159	2.397771551
3.077306921	5.200272515	3.383762846	1.138926977	6.828584417	6.778344009	2.020371779	2.797837861	5.21429206	4.21936714
3.209303526	4.111225472	4.410968722	0.614870913	6.214355644	5.287693475	2.221016756	2.317462624	4.984717644	2.017681223
3.32154582	3.576079597	3.885522132	1.378711678	6.942475661	5.888123563	3.110369409	2.726246757	4.629610589	4.810647561
4.060504373	6.213875918	5.189945853	4.052240031	7.350880507	8.801636725	4.181858456	4.468233098	5.819751801	4.384088056
4.027587005	5.92821561	5.35376351	2.467416858	7.074145237	7.337158906	3.634653763	4.086928185	5.770983603	5.357070291
2.317414119	2.907586429	3.402488381	1.00155987	6.192609545	4.303934974	0.899444369	1.727026063	3.896822527	2.61978664
3.052430728	4.655856114	4.431382288	2.048872985	7.082618258	6.542947961	3.317533887	1.040848346	4.923123074	4.360072308
2.969459368	4.154677789	3.90560077	0.810449058	7.224319127	5.873823294	1.860159973	3.751100829	4.184155684	2.317055705
3.315571252	4.584853679	5.004537227	2.568615248	7.023105074	6.210906693	3.740002492	4.968796926	5.427065838	3.100172655

3.111384629	6.295880122	4.513110808	2.149372487	7.489492565	7.315497344	3.167146232	2.311857488	5.383313935	3.437106828
2.59598082	3.485780711	3.70267302	0.63267798	6.021624999	4.924151882	1.628790782	2.111437282	3.7829492	2.648932166
2.806064768	4.741163868	3.949031288	1.784399067	7.319562309	6.204474217	2.456089983	2.383482608	4.904684462	2.11052147
2.464382082	3.440996791	3.832900082	0.608506097	6.772067255	5.413745043	1.908534927	1.604840964	4.819735991	3.137223459
3.374596842	3.085022288	4.542694566	1.530403169	6.252069986	4.473719015	3.442071053	2.847936623	4.856863553	2.273731984
3.264725176	3.561233647	4.09357894	0.91660846	6.434887178	4.508317284	3.163724872	2.924983232	4.669525046	5.57811693
3.112677229	3.219914604	4.728615403	0.533253824	7.066538525	4.153506109	2.400199724	2.462392219	4.333677861	2.132251093
3.694005829	5.27669433	4.209249981	2.241738307	6.838101454	6.332883396	2.511130063	1.29076436	4.984538509	1.87082149
3.231207022	4.704542562	4.18419834	1.673842217	6.77538493	6.82556606	2.788419345	2.249524735	5.054857139	2.985008744
3.01977944	4.408628031	3.935920369	0.559364898	6.557640398	5.687611822	2.594058714	2.813815488	4.39362706	2.923442965
3.313347634	5.632444396	4.242807146	1.658470382	6.880974664	7.825136102	2.856687244	3.029153125	5.1746531	3.725429998
3.586333967	5.114652097	3.726124525	1.002749809	7.139572942	5.715658482	2.215403376	2.410861169	5.029717132	3.01634595
3.56422692	4.777915917	3.979170621	1.000137646	6.260775763	6.761250311	2.24320945	3.878104871	4.406035396	3.145103673
2.75763582	4.304878972	3.915684353	0.773956967	6.14734145	5.742232545	1.18987029	0.831703048	3.494040791	2.452599966
3.31773676	5.031871273	4.063054017	1.192111262	6.695807336	6.176742382	2.063545388	1.669935796	4.177010433	3.431020196
3.468396556	4.508448654	4.411593471	0.71536533	6.540644871	5.985591936	2.159025939	1.158318111	5.024102936	2.743948801
3.437846191	3.797611806	4.022015981	0.416883208	5.847775436	4.518253572	1.827271649	2.410757661	4.602631975	3.78605586
2.669998761	1.300370694	3.264433324	0.381014402	5.462553735	3.921360485	1.296365795	1.688737173	3.369293415	3.997767026
3.659335617	4.890718566	3.658794107	1.493668872	7.232810044	6.574952824	2.772562344	3.721498082	4.705943792	4.00566089
4.06150868	4.63378647	4.792882881	2.177267528	6.858905024	6.498997805	3.092757597	2.443172404	5.312283037	2.573993681
3.140875279	4.084672037	4.895546858	1.238271113	6.205147222	5.606547553	2.636497693	3.352120162	4.488175954	3.891937457
3.495734372	5.493474353	4.067323234	1.183733872	7.693508424	7.076937114	3.040621861	1.756061548	5.022696688	3.695501255
2.748190924	3.153782082	3.689480165	0.258326566	5.424067164	4.511926583	1.353134783	1.333538864	3.913475101	1.889187249
2.371100409	5.28934194	2.69050071	0.19605661	6.716787837	5.150365349	1.540318228	1.839663784	3.398685712	4.645124478
3.821198425	5.489946307	4.946829209	2.870181613	7.815334646	7.939170635	4.10835035	1.387063027	5.166341104	3.460776545
3.569827603	4.081062532	4.229781604	0.184858093	6.024186136	5.467183206	1.283032634	0.609311182	4.499224403	1.68713734
3.256488085	4.825138094	3.862396707	0.76245222	7.468063251	5.919008041	2.615554388	1.911506772	4.69098658	1.783252551
3.474349787	5.535066222	4.807361006	1.998653756	7.043287328	7.052493788	2.445825974	3.881973855	4.970933096	3.895668386
3.232550921	5.924922556	4.06238309	2.835049764	8.13589365	8.051500402	4.022210849	3.897945672	5.600868508	4.278492925
3.096764919	4.39848439	3.527694715	0.990986388	6.692678133	6.435243614	2.592434655	3.029858955	4.472393344	3.623666374
2.907831944	3.220810342	3.744450779	1.037702578	6.104589966	5.558531895	2.147704922	3.128983189	3.78135522	3.450012631
3.023139173	5.079730668	4.035851771	0.820009155	6.678021649	5.967532618	2.920318073	1.59185909	4.494528461	3.223034037
4.167451201	5.120418123	4.393015424	2.618094782	6.227463793	5.708238271	2.940612254	2.051234621	5.236326894	4.901619184
3.174745544	5.002355308	4.886778585	1.060157102	6.605485656	5.695469978	1.827441296	0.632557525	4.768802443	1.968094663

2.909948837	4.714877522	4.831439755	1.621593547	7.470395337	6.721112648	2.7526157	3.472342721	4.713283123	2.539645949
2.741279864	1.948058486	4.03239397	0.105104272	4.886194841	3.669034783	0.929351767	1.213052885	4.153161502	1.025389946
2.314711704	2.759085108	3.219561364	0.465406217	5.433870292	4.044407044	1.70007561	1.456671691	4.243503002	1.366546043
3.417293314	3.599020863	4.142051621	1.803634931	6.266915157	6.016796151	2.781142401	2.642954266	4.64357159	4.096671052
3.352498266	5.196552838	4.423839669	1.533312725	6.609761946	5.071486633	2.495258567	2.717637219	5.58110161	2.647002577
3.852794017	5.69780503	4.115880237	1.820044279	7.378423617	7.297590886	3.123481136	3.627519661	5.04312747	4.267987186
4.156712297	4.264640343	4.075636474	0.936024216	6.449917784	5.746018848	2.467864711	2.414894635	5.089292906	2.922971379
3.507509255	5.546753373	4.67253384	2.693402559	7.625251821	6.880290506	4.240617454	5.679912587	5.582944762	3.537354663
3.436048727	3.435958132	4.0429682	0.569700177	5.91007228	5.100958684	2.034509336	1.288386327	5.586298261	3.938253777
4.531481213	4.668025176	4.166741193	0.567332801	6.249398501	5.182935196	1.837642805	0.804389577	4.614627897	1.74735665
3.515736067	5.547150617	3.891375863	0.558362823	6.844156368	6.90657401	1.668034229	2.081369504	3.669514765	2.813633741
2.483053137	4.234788586	3.684975668	0.650920685	6.801570664	5.600070965	2.043272213	1.267666575	4.013179667	2.291245453
3.342288869	3.976294902	4.110878539	0.764397635	6.449300408	5.764804723	1.179941936	0.774612315	4.011988009	2.26807611
2.833091005	3.503627554	4.376312081	0.603454529	6.486757113	4.670865001	2.363082473	1.114769487	4.516191735	2.023579244
4.424264699	4.22059956	4.58869071	0.75376617	5.856905766	4.771582291	2.431588488	3.110080794	4.866075431	2.988204659
3.405070661	4.108537477	3.686254151	0.151354057	6.265325443	5.25971105	1.353378014	0.73897284	5.129940113	1.250617249
2.721836179	5.561265848	3.213556765	2.759166185	8.140939734	7.428683635	3.295815636	1.854453284	4.985541785	2.147811271
3.123792507	4.048678057	4.168227665	0.809259978	7.550573764	6.495751794	2.379420539	0.673761526	4.375382132	2.113004662
3.492212121	4.362870253	3.82755802	1.001751208	6.797249254	5.651212937	2.589372233	2.312628085	4.954138861	3.827933843
2.9034152	6.257752883	4.345983112	1.287054148	7.440113634	6.139447066	2.6415349	3.102599764	5.14468378	4.126781806
4.054429192	4.483142988	5.271987473	2.157003083	7.055416547	6.188615122	3.548152047	2.962892101	5.713671022	3.006141551
4.117063426	5.34618013	4.333089912	1.210454772	7.014904195	6.393036041	2.767347137	1.453431666	5.040087531	4.430835213
3.230727042	5.016521143	4.383086572	1.185666053	6.470214067	6.320641994	3.069461204	3.704092428	4.730038771	3.680599753
3.610433381	3.932649816	4.524010848	0.629291944	6.297024878	5.100282099	2.332867457	2.234226828	4.631784998	2.571993461
3.056229172	4.967708796	4.92386731	0.923552686	6.607285893	5.17171105	1.618058427	1.402101663	5.077177459	4.176908332
4.407104743	6.306107273	6.605230465	4.685988903	7.420039863	9.486859434	4.733863787	2.404568778	6.440537988	4.660161543
3.943085427	5.448318595	4.520050246	2.883249905	7.108219696	6.620059558	3.601733839	5.000900941	5.243375228	3.770789645
3.389971333	4.667158578	4.39759438	0.284930742	7.215824869	5.348268478	2.914730666	0.577955178	4.402425062	1.54141695
3.670625897	4.852802774	4.434776739	2.33404282	6.567246901	5.742697702	3.495264466	5.415361158	4.804340082	3.848805516
4.202282984	4.874493026	4.600238825	2.317781625	6.504685382	7.043115913	3.424827873	4.344460415	5.518005079	2.37338406
2.390984094	3.268795453	3.093978361	0.804183094	6.439128453	4.682676252	2.256631989	2.592115896	3.679717901	2.361628486
3.626714685	4.098127674	4.421817586	2.398284281	7.199756842	5.538331849	3.913186939	2.736922675	5.46252623	2.449333433
3.079236546	6.220142637	4.859925023	2.956293231	7.33232408	8.033838289	3.765094094	3.989905784	5.306909263	3.764873521
3.353268678	5.734669057	4.234822184	1.326311399	7.32966922	7.198099989	2.820424831	1.22526748	5.239273322	2.653471078

3.216178406	3.947231501	4.652913456	1.388063718	6.507864726	5.092665302	2.785977339	2.514637945	5.419701998	2.33036543
3.342712978	3.80684515	3.880816106	0.909487685	5.928725113	4.76471825	2.95190132	3.560971832	4.252245184	4.679236532
3.559775274	4.424887128	4.029870955	1.18899836	6.808720338	5.638398936	1.756838634	1.928736721	5.205987761	4.123945686
3.043096828	5.012859624	3.741083115	0.422855098	7.344450973	5.672367849	1.82363737	2.483952054	4.503946306	2.291573041
3.854182587	4.830289975	4.064014237	1.162575947	7.454829691	5.937246439	4.321228196	3.011389503	5.355151454	4.308800849
3.302887512	4.365736611	4.079241281	0.718170922	7.330710483	6.166203463	1.737020354	2.634292668	4.72901495	2.964006177
2.865511573	5.711861827	3.78821955	1.069693286	7.670297043	7.319170244	2.450727552	4.440766647	4.707433273	3.663710049
3.413180054	3.316512275	3.274181272	1.031858697	5.515909865	6.34271686	1.171716815	0.340309806	4.219040178	2.952085511
3.477951296	5.053793735	3.29633329	0.588019448	6.916743469	6.786355904	1.520218581	2.265742117	4.871255948	1.821906778
2.819860443	4.262900351	4.346773101	0.490365055	6.19509561	5.844078526	1.600925638	1.642764331	3.927693196	3.471892841
3.773406035	4.566632349	5.025886481	2.512779334	6.427114255	6.90213743	3.234267404	4.376627212	5.261444111	3.566779226
3.497422701	4.085755466	3.735976928	1.488143625	6.599134708	5.607974694	2.262771542	3.969965216	4.446150055	4.316617618
3.623534262	3.251324285	4.200620485	2.327030962	7.088989886	5.801528671	3.169167752	2.237991054	4.73492473	3.885288575
2.646200451	4.11190342	3.384785301	0.373475192	5.742102869	4.632128057	1.92876666	2.74151058	3.129548895	2.987458557
3.114175862	4.181359149	3.903798025	0.665130582	7.399555849	5.729229296	2.287343433	2.163354612	4.565852405	3.636704218
3.552346534	5.460746778	4.002151717	1.075812405	6.999075006	6.395412422	2.690997977	2.966891656	4.381971479	3.539752909
3.651687068	3.373590285	4.673125773	1.089986905	6.117945533	4.795552288	3.279280028	4.108451626	4.680823325	4.543565184
3.784904643	4.072628465	4.392888964	1.225010642	6.265792629	5.01290395	3.294803551	4.825759376	5.205137521	3.603354766
3.253298855	4.483258374	3.379242705	1.067425107	6.944440327	6.538017633	1.575049273	0.516883344	4.248111411	2.158938891
2.569444524	3.374506823	3.223391177	0.251148062	7.862147435	5.324195245	1.954260392	0.729852664	4.430963249	1.627942422
3.070692244	3.766702617	3.937668971	0.635446925	5.86889885	5.077560461	2.374955474	2.989375422	3.996276854	2.638035595
3.50415867	4.233841085	5.046330884	0.620182399	7.07858088	5.160232237	3.360645009	1.466408898	4.855581512	2.767231981
2.963535683	4.112455561	3.827467619	0.38279601	6.993357496	4.340714243	1.694153201	2.208257175	4.537132009	3.626649492
2.948611591	3.28523498	3.657031224	0.589327569	6.685509528	4.28181684	1.336283425	2.513857235	3.721816806	1.919272185
2.915559175	5.123368178	2.871322673	0.974443841	6.107673802	6.721332205	1.790048821	1.97426959	4.29493671	4.387455745
3.712703883	4.913834088	4.303497322	1.959763841	6.567225673	6.878663811	2.777553064	1.58558657	5.719851828	3.325105295
3.653626676	3.513479732	4.355066572	0.717641664	6.76141787	4.344184227	2.104056912	1.613993892	4.824263647	2.179777611
3.196228563	3.508759198	3.388635718	0.437197635	5.756953753	5.240743127	1.504127224	1.477181654	4.003029561	2.230224891
2.521913391	3.806535688	3.359245314	1.779680375	7.219643368	6.523216847	3.099976943	2.285851809	4.523770544	2.638856584
3.805142155	5.85614253	4.564854123	2.564090571	7.082779125	6.843998482	3.140567283	3.907957936	4.481948547	3.132601431
3.436377043	5.404131469	3.799256088	1.242963581	6.793518716	6.040494473	2.272133455	1.554862591	4.457533077	3.980072019
2.806468186	4.164560827	3.626327742	1.068715141	6.022064071	4.9843784	1.599769565	1.640367277	3.90401552	3.304306353
4.328483451	4.219000399	4.876955185	2.620809399	7.887529001	6.930461412	2.031908751	1.154814603	4.154623132	2.289764123
3.802704409	6.097061767	6.171154389	3.978808154	7.202896966	8.224952928	4.500040471	5.142489043	6.020383119	4.864602369

2.943040831	3.832023356	4.399377979	0.749581782	6.224712878	4.477708555	1.326081171	1.67701216	4.072819359	2.329067512
3.350682429	4.830760198	4.409136169	1.57368356	7.291152239	6.70675287	2.894670536	3.671075688	4.5304975	3.602570731
3.7825595	5.596278015	4.943370744	3.82454676	7.550257682	8.345434204	4.458331809	3.966488405	5.843155421	3.859218494
4.063879578	5.085653915	4.400224981	2.139847362	6.886775657	6.34675581	3.596638865	3.666783037	5.330120014	2.961317478
3.73037684	3.238961234	4.851254462	0.720859145	7.503942252	5.488759483	2.639127584	1.344572284	5.177711625	4.280021388
3.40252343	4.089496778	4.625997231	1.995330951	7.224780713	6.295516399	2.153083273	0.723403027	5.00449078	1.970965175
2.789421419	3.788938229	3.945198533	0.814953701	6.711451833	4.990259138	1.853064556	0.917803454	3.929415091	4.113285687
3.451130318	5.353758303	4.526963492	2.427381794	6.273768561	5.819365571	3.166452582	2.394361449	5.841966129	2.09728185
4.179934672	6.339135512	6.348618939	5.52429141	7.782465577	9.052424868	5.120503759	2.96910622	6.58415948	4.759022415
3.033551402	5.073136784	4.083063165	1.386604595	7.008907729	6.684241001	2.540303507	1.450765103	4.762544482	2.299427115
3.12048319	3.689570041	3.186594534	0.421798299	6.716210042	4.632733886	2.392790849	1.797675573	3.902473842	3.297381977
2.804408521	5.106200124	4.358818357	0.400776035	6.556916149	5.806419658	2.244752539	1.988792455	3.686061069	3.373249404
3.888584485	4.887848527	4.310649876	0.376002131	6.869058651	5.166976642	1.745234521	1.78577164	4.445711703	2.210276393
4.073426686	3.841015197	4.492382018	0.558520819	6.344207263	4.090921568	2.399104887	1.427219043	4.626051213	3.030595508
2.971515365	1.727023462	3.249105927	0.226269267	4.601578693	4.519416456	1.465727185	1.10602915	4.008090607	1.942338167
2.235988849	2.707444025	2.827684297	0.108023701	5.670080788	4.585779633	1.67833794	0.778015722	2.93722912	1.436453739
2.589723733	4.196434419	3.832142831	0.258974964	7.373887017	5.755855291	1.509612304	0.303807474	4.456424303	1.594662518
3.505534186	5.313861646	4.49452364	0.370458363	7.530151089	5.579651284	3.067779769	1.436122035	5.307870381	3.594901308
3.742493672	3.65486405	5.413544598	0.331567327	6.374349873	6.050403247	1.134955938	0.656692042	4.837843076	4.564617809
3.180589236	4.62859251	4.11178971	4.066171859	6.869292898	5.885012874	3.176139513	3.859266987	4.849023365	4.418723645
4.052038018	5.72972755	6.46605015	4.613374352	7.109828748	9.118071935	4.1600147	2.655514462	5.632038011	4.186012256
3.660491523	5.492755026	4.935485783	2.941729536	6.778429746	6.946907174	4.106877677	4.827990994	5.716310194	4.418010666
4.236534943	6.278894596	6.454109221	4.779289443	7.3628383	8.601260491	4.885887761	4.249550815	6.472002249	4.820721151
3.437138356	6.250338275	4.286381547	2.08958952	7.868778294	7.518136958	3.435151974	4.591500827	5.323617006	4.606879962
2.730874139	2.987908031	3.468814844	0.277656607	5.633602809	3.855420634	0.800280122	0.618274366	3.718839091	1.183043053
3.098981192	4.131235758	4.160036951	1.215582269	6.523727431	5.148566557	1.622962183	1.865339663	4.86377234	2.400944475
3.651980108	5.384944778	5.303346155	3.467607891	6.573351025	7.524143163	3.820504307	2.957827264	5.920869141	3.452949213
3.497635025	4.321386807	4.895702877	0.348127531	7.882173437	5.626847905	2.648786852	0.589648105	5.291069881	1.912582729
3.016300136	4.655556591	3.425179744	1.274867869	7.337619635	6.84174558	1.97585855	1.989463119	3.904899479	3.365544494
3.384184925	6.097617925	4.66155868	1.715834352	7.781427796	8.877663194	3.004728173	1.306619288	4.70524642	4.274664156
3.027396388	3.979449745	4.087326555	0.3553186	7.021958283	5.076527834	2.087466432	1.680417731	4.370925296	2.024777444
3.458415046	3.751270926	4.210621255	0.221768392	5.773266848	4.639508718	1.088813098	0.7625298	4.179650274	2.255945064
3.971213862	6.086731247	4.780080786	1.435871738	7.984623402	7.401249572	3.366001091	2.940350627	5.460449841	4.534885727
3.596351857	4.135398833	4.434616137	2.314460072	6.681928831	6.035037228	3.444892857	4.019160013	4.977350865	2.114123318

2.883207115	4.468165717	3.830639864	0.994741809	6.716148276	5.672247214	1.82298444	2.015277126	3.781382108	4.273998913
3.649696096	4.24270588	3.415661639	0.17064672	6.443649753	5.099215275	1.632369942	1.083904785	5.029396788	2.45076621

HGF	COL4A5	PDGFRA	PIK3R1	MFAP2	BGN	DCN	VCAN	TGFB2	MYH10
1.149402795	2.400717496	4.344260075	5.091667087	4.706509128	9.558639174	6.238142116	5.973712606	1.810270169	3.609891112
2.42644455	2.135296533	3.397180808	3.826194869	4.281031413	7.12552913	4.21041591	3.301833716	2.24781104	4.518254265
2.993197054	1.414882004	4.948598879	4.148560876	4.987324852	11.22447308	8.120551717	6.982952492	2.513825563	4.810417079
0.963308336	1.801560491	2.906503115	2.987530881	3.108565219	4.945103283	2.953366922	2.666942564	0.791678466	2.789096113
2.142164352	3.317405833	3.773492773	5.054496641	3.077047785	9.429591941	6.06330318	5.606505908	2.848474046	3.457444136
1.112055889	3.696287863	4.488322435	3.286815999	5.804493057	7.78530179	4.829021947	4.555920995	1.424063071	5.162445143
0.715026531	1.90992633	2.626202126	3.460096829	4.655728164	10.02479558	5.043990813	4.673311004	1.081512598	3.250306352
1.46276496	2.064053879	4.335964274	2.913158771	3.14671552	8.129553112	5.496452135	3.655628101	1.975546276	2.706603991
3.745304304	2.199842272	6.00000374	5.80570758	5.224796548	9.794032573	9.04969725	7.025235827	2.75513254	4.836088906
0.975561205	2.297199723	2.969900223	4.540063249	2.628489734	7.426316723	4.444091305	3.374971053	1.393193425	3.95905203
1.883351845	1.970451876	4.553566849	3.888281353	5.191840179	9.519107625	6.58545532	5.391897098	2.450170214	4.414949082
0.436606552	0.363906534	1.972807266	2.876932289	3.928551732	9.402525868	5.060923611	3.59169702	4.535440109	4.754951124
1.14118967	4.333664604	3.856047826	5.171329202	4.935672569	10.1984055	5.768894521	6.361755746	2.86863833	4.291514196
1.560338836	0.784774347	2.464921724	3.589309886	2.538756943	8.388513423	4.523993736	3.922375344	1.295595817	2.343368898
1.044787045	2.316214875	3.021979246	4.079960268	3.39903891	8.663847318	4.91163618	4.716272331	1.758030086	2.118189876
2.456912106	2.348977555	4.513496827	5.266922237	4.267221637	9.361559535	6.588770201	6.230656126	3.153996373	3.810888304
2.816320014	3.361368776	5.20991579	4.706188033	4.982378931	10.7829019	7.431888774	7.433928818	3.854588931	5.527959429
1.441187599	1.81313778	2.831194808	3.199137782	3.017680403	7.467802379	5.816576638	3.436639263	1.130919568	2.146840688
2.050524851	1.276005781	3.486488066	4.220101845	1.686548347	6.405115161	4.210798459	3.377637386	1.860339962	1.463823917
1.371809178	4.451411282	3.815513432	3.537497811	5.716019383	8.41417583	5.284019863	5.990468062	1.929478832	4.410631841
1.299354868	3.58477567	3.63235292	3.680200364	3.488842232	9.434893862	5.703744287	4.82958451	1.06303441	3.694489876
1.221991958	1.83799672	2.823659147	4.034234704	3.744754946	9.429679065	5.020908466	5.161476679	1.53035161	4.616705814
1.144042057	1.643895108	2.272190252	6.300284	2.240414506	8.834282104	4.588372306	4.273515167	1.673708507	3.577098079
1.42468324	4.485066181	4.271372752	3.588178694	5.535150038	9.927267575	6.418731175	5.804102643	2.702466425	5.010163534
1.320023661	2.337242153	3.55184123	4.181805534	2.446365939	7.642907247	4.512247456	4.55300795	1.525520082	2.87231758
1.353994441	2.688494446	3.578614595	3.538361878	2.643587251	7.610798025	5.811490884	3.510803321	1.744497085	3.600569367
3.455358276	5.005232431	6.285368828	5.47823962	5.882241779	10.58889636	8.597618883	6.793271937	4.246997763	6.571292744
2.742206422	3.696031301	5.261163029	5.364255042	4.210768491	9.396936226	6.616222585	6.473278835	4.165484661	4.103456761
0.444158429	2.023573661	2.801100161	3.649751258	2.521652703	6.129832631	3.482890541	2.371045815	0.967893317	3.745069286
1.525234164	2.672549739	3.609076485	4.317141359	2.852247011	8.787055362	5.72242795	4.913794186	2.844310185	2.922517532
0.860969525	2.107434264	3.75917743	3.207556526	4.22008639	9.573935958	5.2891621	4.530237742	1.666750113	3.171555285
2.510617211	3.474472316	3.944753778	5.222317912	2.390231286	8.863667657	6.481354161	4.625865405	1.641995431	4.213724268

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1.405902124	2.052730686	4.166538119	3.097542227	4.125105863	6.127649182	3.539546684	4.888143418	2.397500611	5.542596464
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1.815643527	3.611455151	4.19299867	4.063063706	4.317088383	9.319150921	5.996549144	5.197456604	1.203633808	4.137509532
1.306881042	3.187436572	3.65018841	3.690024949	3.265000066	8.099853574	5.092170611	5.114698079	2.095717307	3.690039874
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0.914159211	0.467001072	2.652071524	2.055223048	3.72672585	8.38280847	5.344581956	4.032076371	1.286450146	2.433736148
1.314244614	1.135644908	3.602023568	3.493348007	4.992071968	9.60216408	6.033166754	5.855420918	2.485107021	3.592792729
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0.393520878	2.308138364	2.565646713	3.239741966	1.096409106	6.648953878	4.140328112	2.0697355	0.418679554	3.348858232
2.030118698	4.433202744	4.060003907	4.151950945	4.899100035	10.37556143	6.630972643	6.15239378	3.030217556	4.243744651
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0.786801724	1.500726095	3.04538873	4.370580835	4.421099908	6.910655155	4.12552553	2.73877913	1.463042318	1.313932906
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2.199278968	1.925189664	4.615284817	4.33013928	5.04292462	9.463619517	6.395505174	4.664185908	2.132444574	2.984805873
0.693700654	2.251125772	2.860026728	3.674861165	3.328475527	7.954111829	5.426428656	3.372119338	1.620453457	3.291242895
1.202971778	1.289479246	4.51096302	4.116107896	4.531899123	8.956132389	6.390298417	6.262660452	1.740073171	4.647713715
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1.515516908	1.97949822	3.166837772	4.558034795	2.408056477	7.054727397	5.195070137	3.603400262	1.62166129	3.948294332
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1.895514732	0.626782238	1.955297784	4.79095433	2.116440687	7.13207455	4.223684025	3.907501668	1.44370256	2.105978962
0.755606183	0.956653176	2.819745543	3.725911276	5.665068451	9.980218384	6.050081482	5.71079196	1.549911343	3.586022724
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0.95225972	1.150220047	1.982632255	2.969317579	4.884330466	8.471928083	4.542712505	3.974647203	1.633942174	4.198005211
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0.708752415	0.790569564	2.546790458	3.463101548	3.603988778	9.165305688	4.698129326	4.5044966	4.403723032	2.97037741
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3.669298657	3.057432194	5.85747569	5.223601715	5.819511542	10.13083441	8.411474767	5.909379494	3.874804964	4.762660841
2.55642096	2.248143441	4.470603894	4.86702421	3.735673808	8.753192467	6.315536495	5.382158731	2.227063846	3.68478476
0.51052565	0.800561191	2.463767343	3.022942526	5.360465392	8.152552881	3.456404236	6.445010985	3.294005162	3.717207405
1.082299596	1.713458547	2.71711889	4.789759767	3.75967626	9.242274216	4.837465979	5.221400841	2.16636191	3.189071066
0.904304529	0.834180807	1.584797356	3.46059108	1.842006665	7.99470997	2.940558937	4.111745268	1.85618064	3.790793826
2.524750569	2.423991521	5.128380418	4.716994104	4.232753754	10.27577535	7.101383945	5.947038703	2.501993284	3.96873685
3.337686762	5.481559614	5.829866988	5.968255989	4.400903161	9.808385267	7.900836291	6.100799234	4.026266173	4.943636192
1.778400367	0.816010716	4.096977722	3.702086291	5.024086724	9.975470694	6.649555888	6.142385211	1.195436975	4.334751073
0.49194778	1.112743286	2.34834634	3.096033328	3.170730375	7.675053706	4.666018017	2.613768994	1.323258347	1.677314011
1.316140168	3.033098308	3.937940754	3.439581214	2.573635638	8.729353593	4.681950223	4.250529846	1.311094647	2.172099492
0.5959268	0.677045517	3.319196081	3.802523276	3.725503547	9.742560086	4.653334101	5.229713465	2.280197081	3.591019851
0.243101925	2.299936331	1.683356861	3.271086323	3.920307929	8.134468878	3.263142223	3.113314832	0.547057278	4.215494711
0.317546555	0.980584987	1.714461887	3.160026953	0.721000034	5.134490068	2.059859183	1.178034186	0.511227317	0.599116431
0.563122789	1.093799804	1.25055701	2.596957117	1.752972192	6.809654744	3.079102148	1.727053187	1.129321555	0.967476977
0.388644039	0.184732384	2.815989323	2.116210613	6.38253202	10.37590876	5.742348065	5.262010612	1.572783308	3.613142156
2.984460376	0.621068459	3.989736112	4.536638161	4.134236018	9.571368082	6.04854028	6.28661059	1.757811335	5.267731758
0.37818892	0.587481363	2.526063944	5.038910047	3.935016643	9.170251306	4.754770401	4.475788737	1.102316927	3.703563504
1.866200248	3.057626273	4.894007093	3.678910735	3.264339438	8.612985122	5.580126346	5.326471842	2.579929468	3.91361105
1.360254651	5.241083456	4.708221485	5.143828245	1.885066862	7.159359815	7.029610417	4.195420845	3.048534269	4.445065184
3.331521099	3.73216538	5.45802502	4.862552768	4.321927103	10.1845829	7.492119248	6.525296759	3.399246121	5.100089364
3.042569364	5.7657822	5.66937007	5.966018073	3.59852328	9.930938392	8.391722529	6.272717022	3.389290962	5.584895593
3.553225606	3.656384705	6.245281656	4.482269334	6.777946288	10.70208139	7.734940237	7.059339932	2.991232451	4.822310481
0.253455684	0.574231875	1.381453518	3.402076652	3.211403759	6.648626906	2.456129218	1.82718469	0.761333436	3.201509633
1.418743566	1.781728968	3.764231905	4.371444558	3.320670306	9.025855844	5.601282266	4.580752565	1.391636852	4.057913803
2.897925669	4.037300499	5.617848552	5.549262019	2.093467886	8.625833844	7.747441704	5.248528821	3.751900912	3.993000901
0.742997953	0.145290448	2.512607681	4.464986227	2.961016929	8.564236409	5.250506499	5.394116684	2.303129307	3.338726081
0.839666727	1.967738741	2.575126113	3.326345272	4.316446838	10.01126061	5.391681216	4.351427676	1.844218516	3.709535374
1.289754362	3.033311513	3.770960706	3.682790875	6.018946626	10.34417174	7.193782726	5.478600791	4.048481276	3.950593897
0.709892543	1.400033781	2.487311441	3.187999269	3.308208022	8.650196372	4.402540775	3.786125046	1.759380315	3.758114001
0.915270339	0.633845895	3.023915899	3.441371066	3.367233363	7.649778596	4.595416912	3.44258589	1.143478301	1.991169382
3.39375254	1.472209302	7.555125599	4.399592724	6.458003466	11.85429315	9.245987526	7.47106115	3.126117725	6.211187084
1.958798989	1.990926288	3.076747098	4.382589292	3.37708615	8.812008378	5.755779869	4.811725958	1.800621282	3.984185475

0.575364015	2.327220682	2.849277018	2.834612853	4.448919122	8.749535436	5.344328524	3.947159061	2.94133576	3.374880532
0.246674614	0.200141395	1.263407183	3.427792942	3.019069153	8.951837851	4.429859601	4.326378058	1.530537912	2.482286824

TPM4	DMD	FZD4	ZYX	SORBS1	MFAP5	AR	ITGB5	PECAM1	TPM2
8.63710385	3.006279524	3.510321742	8.968389206	5.786365155	4.509413439	0.683945068	5.679858081	5.958333579	8.152502482
7.412033764	2.936143683	3.370891676	7.902347813	3.474445612	0.108169866	0.305948751	5.750684123	6.351613569	6.243122375
7.695675948	1.833760196	5.364867217	7.956433229	4.346324389	6.51823261	1.658144498	5.642797277	7.32346056	6.987350088
5.831081874	0.953581731	1.435294094	6.434940327	2.735165122	2.020381824	0.372708389	4.092225599	3.569615473	4.405164029
8.166932848	3.276095363	4.255842722	8.45839388	6.383337438	4.032452862	1.143268418	4.910079189	6.716055454	8.198744605
6.485927223	1.81839856	3.688138016	7.085882504	4.187950702	2.906301	0.426566162	4.980320695	5.076655049	4.371178087
7.594943306	1.539887777	2.805257017	7.861071638	4.395531349	4.02999849	0.600529342	5.175129819	4.939493337	7.761118325
7.153550203	0.744708263	2.91852787	7.252730406	3.324233572	2.333750335	0.263607186	5.435102576	5.571107086	7.150897463
8.657858246	2.499347439	4.150054551	6.744020206	5.440826829	7.14525203	1.611012192	5.834956871	6.836797662	7.780813073
7.342991334	0.812512922	2.812723276	7.599949625	2.939658367	1.719758259	0.225245989	5.455539786	5.455123059	4.405167778
7.308039654	2.41393811	3.982572757	8.15473431	5.550518596	4.733498492	0.736657832	5.369448388	5.668532983	8.121613855
7.438014017	2.244629872	2.553106949	7.661501805	5.08989955	1.842852665	0.10634949	6.386509385	4.77676669	5.520944452
8.623425556	1.125343798	3.160505866	8.61632434	2.728068905	4.561638403	0.837100015	7.462324469	5.211409207	5.821201428
6.995341507	1.108533981	2.89769864	7.624259457	1.828974817	2.172364101	0.521801465	4.566741582	5.479374959	5.411294322
8.113173966	0.639646121	2.461536813	8.526414283	3.2033452	1.512624476	0.1897602	5.411432372	5.029908609	5.488204554
8.809283552	2.299004324	4.030633755	6.964019502	4.21223375	5.141740387	1.339874655	6.001658018	6.175614976	6.239155086
8.559760491	3.267073957	3.705305723	8.451687037	6.980151563	6.128204955	1.833255048	6.247852321	6.644426842	7.712838989
8.023187536	1.801395915	2.728518312	7.876438236	4.449971669	4.147013624	0.312103132	4.341316944	5.753297839	6.09881322
7.195724954	1.804721968	1.922357851	7.518718255	1.396259257	0.629856915	0.122210689	4.933139271	4.775512929	5.099083072
6.986576206	2.943352909	2.645904004	6.733020332	3.759486963	4.062609014	0.390247681	5.02997805	4.431948746	7.068038505
7.197271867	2.239040609	3.401530425	7.60628658	6.090036207	2.997842012	0.865852666	4.959517315	5.646691004	7.732547747
7.248044335	2.123475124	3.432965414	7.666135982	3.805473702	2.128236785	0.429944868	6.232364715	6.005678331	5.790920845
7.273261256	1.178204722	3.217698377	5.870038706	4.500449153	0.924107116	0.287816281	5.463239346	5.451236459	3.998618395
7.790853762	2.242617653	3.214972572	7.501434436	5.313481869	3.995099522	0.647422404	6.124585668	5.655663409	6.665191907
7.482525436	2.084151413	2.697161993	7.780903373	2.778675238	1.58549825	0.195436829	5.142195779	5.608739389	5.744030797
8.256874597	1.449852259	2.341549963	7.921290333	4.204013402	2.069260799	1.714341805	5.922820327	5.925560756	5.5840122
7.652353179	4.634798689	4.709827326	8.820327401	8.097170469	4.962522808	2.754663053	6.896908036	6.758226579	9.230410765
8.627280115	3.192565442	4.854468107	8.817094748	5.7386792	4.149282119	1.458497908	6.632532507	6.840676224	7.435466401
6.534309825	1.707697816	1.862867372	5.937624	2.775252806	0.274767504	0.00509286	5.199192025	4.458017797	3.386131904
7.810660128	2.171860456	3.758244986	8.215881622	4.928630898	2.684107673	1.031422908	5.354756248	5.816794518	7.201969339
7.70765647	1.599176827	2.916407227	7.436666594	4.04619463	1.863581233	0.577455453	5.646650225	5.214819317	6.156091003
7.273831162	2.744798626	4.759204344	7.370171266	6.230909727	4.190954065	1.216837128	5.737267801	6.93229928	7.264092711

8.184569872	3.035156578	3.793938483	8.340719509	5.47467843	4.523227088	1.015120073	6.42666496	6.391462184	6.640556687
7.490210512	1.09942959	2.066217471	6.884067601	2.837759823	2.516737637	0.124257368	4.050837802	5.177941083	5.211759104
7.396060347	1.957823357	3.346286649	8.103024882	5.191333524	4.002720281	0.428446701	6.212149556	5.989747007	6.514661961
6.817364293	0.580626477	2.768997017	7.491886714	3.35339596	0.560946415	0.07597199	5.359762782	5.393732256	5.19215791
7.314998198	1.406560496	3.093478134	6.673357613	3.477908813	1.918231101	0.435676544	4.342924944	5.200091208	4.822067065
7.62808271	1.282428421	3.009302964	7.573966097	2.874386608	1.815815025	0.188400757	5.862584904	5.919161753	7.892651194
7.400691579	1.021991024	3.842162941	7.277163434	3.689466497	1.151111873	0.098358484	5.365778975	4.954003385	6.726230179
8.482099511	1.082558657	3.6750203	8.175414454	2.8135426	4.805631793	1.201669704	6.904417858	5.812125102	5.177020991
7.736713791	2.441401689	3.658513371	7.882506819	6.010390835	4.340271276	1.064569476	5.350394111	6.367698333	7.965837986
7.310367584	1.66902652	3.185856707	7.020198223	4.067587561	1.768663545	0.774276222	4.946363465	6.256990878	5.935850626
8.097515722	1.899891323	3.496319022	8.763957089	5.149461016	5.132926697	2.093525097	7.371638276	5.518835619	7.322392858
7.250297264	1.715694051	3.623277715	7.897713999	3.815833341	4.176943297	0.289242515	5.87032091	6.268663109	6.186553779
7.177690231	1.264075786	3.756574178	7.167410912	4.573027359	2.581673958	0.820701158	6.148192941	4.94219347	7.587684738
6.544857799	2.707633132	2.707398316	5.88838791	1.455413357	2.831223257	0.241497217	4.970026475	5.176749418	5.220390221
7.854913082	1.184906502	2.754781089	7.474888237	4.422457014	3.949166912	0.680141607	5.333820578	5.854476716	7.131383663
8.235450744	0.930452875	2.66118219	8.347299426	1.784755872	3.137757911	0.249892392	5.116484482	5.377284	5.387652332
7.845789533	1.450138591	3.12778191	7.369150011	3.009455231	0.998222902	0.238423986	5.510227104	4.629240871	6.07690093
7.123879598	0.635992936	1.778559811	7.305431092	2.979334976	0.732455505	0.787459017	5.130792711	3.601407223	4.716152191
7.918318207	2.538035924	3.133693449	8.179226311	3.990069363	5.356611	0.954521947	6.622756551	6.138412223	6.561983954
7.92201689	2.56301271	3.712331585	7.802667175	4.3886807	3.940538171	0.496799517	6.362471435	6.351398176	5.072441844
8.309541827	2.465878222	3.327886676	7.229219666	3.990987473	4.634522655	0.328051427	5.363719697	6.1946881	7.932882982
8.257199095	2.124652009	4.25569179	8.74271584	3.629115557	4.961098247	1.019708746	6.885754062	6.390835602	7.12218389
7.214363612	0.55092582	2.163300418	7.782610327	2.311730639	1.062731516	0.084549428	4.319919558	4.329196822	4.113946782
6.881594306	1.451196659	2.580933121	7.159875879	2.635029025	1.383058367	0.192846058	5.214074412	5.246583835	5.927362684
8.800241239	3.113533144	3.855830313	8.618385542	6.34369161	5.057263524	1.791711997	6.079475806	7.298921012	8.606477304
7.307987295	1.079013636	2.050049235	6.882374571	3.854357673	1.958319044	0.11115196	5.411925043	4.183759774	4.295804038
8.356526219	0.964945717	3.176850433	8.461418352	3.612261215	4.538790533	0.303738652	5.772918858	5.9572187	5.669919304
8.06153947	2.61154159	4.011125593	8.243925236	6.394295418	4.42831539	1.226722003	6.69083712	6.097430331	8.316177734
8.736250666	3.30995073	5.739316756	9.059387048	6.763214527	6.033267602	2.531085966	6.652469554	8.063748794	8.458562811
9.225725469	1.12323822	3.100891066	8.901762162	3.506880448	3.10650143	0.358792416	5.34477473	6.192740018	6.322872912
7.056376819	1.172493953	2.772005829	8.126809814	3.607479769	3.172149268	1.170507581	5.525642124	4.967576574	5.957807333
7.654282003	0.627430002	2.908094361	8.714997825	4.52216298	4.159012257	0.692096755	6.33610464	4.993846278	6.315228947
7.039391712	2.229482425	3.086607198	6.297878657	5.018891401	3.515410901	1.817667043	5.239564009	5.349716511	4.434711127
7.988816632	1.307151382	3.30134155	8.956345185	4.158720309	2.772877425	0.271819725	5.594847422	5.248203615	6.532033128

7.647630136	2.272549109	3.567485385	8.801356691	4.49211669	3.84553263	0.987159543	5.789604551	6.229389765	6.027516611
7.689528318	1.717922232	1.173680408	7.203436087	2.849331749	0.212700039	0.064002991	4.546974835	2.518201251	7.023847901
7.018145337	0.342220174	2.000899053	8.400907283	2.373958545	1.364378958	0.085632759	4.826726654	4.439454762	6.196795174
7.081501712	2.248886073	3.262996574	6.726139344	5.53937823	4.223296221	0.767934753	4.503739185	5.999745194	6.602022455
7.866409284	2.528773134	3.360288727	7.814023471	4.553973222	1.406377665	0.222735807	5.85839067	5.747223924	5.131550029
7.654056771	2.406105957	3.746497446	8.001537047	6.089623878	4.255354255	1.230332081	7.189137137	6.543790825	7.559496248
8.18166281	1.942837444	3.552360866	8.598122755	2.167709207	0.11561518	0.34622983	5.389524295	6.83661156	5.067611553
8.589482096	3.605317999	4.806230657	8.508836135	6.422930592	4.781012342	1.468335074	6.675711037	7.666152963	8.175933878
8.207362659	2.206213323	2.383952264	7.726656538	4.62820969	1.941657665	0.353124475	5.892956757	4.755247901	7.090233974
7.559806501	1.003453323	2.449169692	7.130078956	1.682247473	0.565118167	0.274732326	5.677557974	5.861275737	4.278923752
7.582656127	0.947606452	2.712021599	8.221548578	4.534379621	4.597910799	0.500399206	5.668652424	5.2719283	6.532303317
7.328787807	0.783587453	2.734387023	6.899023604	4.102517524	3.677931888	0.34800566	4.736619165	5.244987643	5.963167166
7.665276652	1.976710777	1.850576946	7.946451908	3.863138586	3.517464268	0.741762654	5.660236888	4.218464913	6.86001503
7.663250473	0.564632785	3.08944856	7.720357554	2.302268325	2.08204368	0.154441087	6.231937467	5.066614645	3.738996487
7.454774546	1.285737661	2.869494874	6.950868865	2.944638382	2.354610777	0.357861775	5.216954555	5.169673692	5.575797522
7.683547072	0.323101753	1.854746864	8.38545821	3.901041281	1.671387299	0.237796206	5.222851709	4.832139114	4.649405115
7.421271482	1.299004436	3.914432125	8.86540622	3.00869402	5.974280924	1.231430815	6.154584656	7.136439829	6.77022328
7.540270819	0.926015421	2.935976843	7.951121168	3.991500155	2.896703305	0.313627657	5.357706847	5.527767726	6.788411385
7.932409691	2.848454805	3.80776329	7.420225789	4.225479469	2.693107343	0.474216542	5.589002291	6.6202634	5.579005006
7.908326713	2.326115525	3.031109125	8.762460322	4.123692245	4.216580026	2.306768609	6.389466803	5.707018848	6.571208087
8.258804651	3.108807841	4.104303718	8.179805614	6.414077941	2.286582026	1.134638485	5.529833592	6.800404378	7.91937886
8.296479525	1.389400494	4.176243699	7.10438816	3.148398796	3.177310209	1.013393001	6.004632769	6.642079362	7.452882363
7.898262559	1.878608711	4.040575411	8.322585612	3.340806691	2.350158496	0.475741767	4.943993867	6.357953594	5.828648997
8.094511372	1.676065387	3.520586611	7.974774125	3.564020904	1.961939223	0.323120181	6.549562435	4.633763986	4.840014476
7.718805855	1.56698982	3.16975483	7.179337817	3.877314909	4.170512277	0.856475629	6.549048889	5.287211071	6.300441051
8.083545905	5.329280818	4.802628026	9.21846949	8.740902286	4.017125494	2.138549108	5.311398314	7.646871708	10.79708593
7.85231788	2.558187415	4.549103095	7.675357801	5.518506182	4.038166699	1.891745139	5.829217926	7.325100001	7.105355347
7.789552484	0.481039811	3.163756397	8.845878281	1.76288778	3.217621567	0.425106212	6.106468927	4.974572879	5.765083029
7.679034499	2.49027293	3.413635806	7.618500443	5.14029332	3.465431326	0.799866778	5.17139473	6.249583685	6.354935016
7.552858954	2.312437275	4.442401135	6.881324792	5.147039335	5.406875426	1.121121776	4.770231202	7.019399977	7.021502583
6.604200778	1.845759506	2.629513771	6.875721108	2.991110038	2.374816938	0.105321412	4.833770791	5.11951317	5.390446603
6.990452013	2.084360179	2.977773926	7.27440328	3.279287764	3.322470658	0.437729118	3.536243541	6.19764903	4.654013209
7.951017363	3.364052831	5.621768882	8.502472107	6.887042186	5.793037279	1.492354566	6.377462809	7.089992736	8.619074565
8.158200168	1.502142675	4.397109042	7.906768432	3.816146212	4.252887926	1.230323086	5.516681717	6.108809375	7.601051241

8.541082965	1.083599282	3.645521175	9.019632465	4.12360227	1.087765209	0.229094179	5.648187067	5.938789539	4.819251658
7.545884429	1.791280987	4.402202544	7.584843428	4.120453828	1.941552681	1.522951194	5.570330347	5.192832843	7.51384492
7.837081465	0.391822951	2.299094034	7.693156654	2.997330747	2.586235969	0.577253448	7.308419854	5.175501833	6.595882424
7.669115742	1.970556698	3.368585616	7.670515153	3.404043187	4.127325458	0.133702092	5.513233119	5.039155271	6.80956594
7.710346239	1.824700755	5.067689566	7.868335063	4.416230967	3.0910109	0.548863187	5.279375579	6.159750468	8.084461586
7.750562301	0.54798416	2.417959393	8.570522912	3.260312342	3.607709128	0.600353452	6.843637872	4.807332391	6.771898097
8.342862322	1.505095511	3.591552238	8.267025564	4.718771722	5.369621003	1.208106052	6.639625432	7.105064267	8.249344779
6.864333203	1.92040292	2.240378449	7.472868154	3.690937488	2.315698552	0.087742067	4.821390242	4.612980231	4.130233134
7.500657991	1.522046954	2.560264395	7.652088798	4.675766483	2.63791025	0.318258653	5.066495344	5.004287477	6.120783241
7.190898579	2.295312862	3.744754253	7.375298775	3.141517435	1.99937066	0.195323912	5.899303027	4.618898652	5.565532778
7.744459645	4.352340778	4.548855245	7.778405771	7.313804636	4.299794774	1.903499412	5.923166684	6.337048383	8.694798642
8.285062108	1.727139824	3.380833555	7.407316595	4.207878821	2.946083186	0.975430728	6.395944954	5.507001459	6.290701094
7.263962905	0.785699707	3.34772691	6.753023189	2.216517125	1.951276824	0.733962437	2.978872285	5.414628776	3.6882196
7.129172389	0.949856664	2.848785283	6.639824407	2.436192458	1.984032532	0.195485537	4.223403032	4.950684078	6.010344819
8.400889612	1.119787823	3.196043788	8.823588454	3.736941929	2.997472631	0.550340904	6.340141176	5.79682948	6.12570257
7.711233877	2.279524374	3.715076261	7.696255273	3.519708892	3.316158431	0.403884461	5.020094706	6.470600857	6.08163012
7.477914824	2.549584463	2.968266446	7.288970084	5.549506509	2.984341017	0.562003881	5.482047123	4.567910909	7.260980903
7.076971984	2.898970333	2.901416177	8.267472256	6.224528318	3.309158208	0.616756814	5.089949649	5.447128185	7.282358191
7.720272238	1.544741518	2.625643012	8.645244867	5.183372237	2.886434638	0.662027484	6.468173766	4.891233213	7.897547797
7.343461576	0.273202284	2.358841084	8.087100529	1.469846227	3.075198353	0.124805738	6.003689909	4.755406552	6.159280188
8.039158119	1.247879256	2.683474889	7.864639529	3.056038585	2.260670848	0.204922831	5.130735503	5.753015726	6.372712634
8.490266272	1.105485813	3.637364346	7.591795893	2.957467681	1.777103021	0.159202453	5.010410879	6.497222169	4.089197764
7.000400359	1.080248491	3.519885235	6.811107248	2.902866992	1.17652091	0.743172458	5.988155681	5.828374805	6.596002065
7.5420603	0.935594245	3.044580707	6.928727746	3.681788874	1.161487684	0.252309772	5.028805375	5.175948317	5.602027902
5.422669219	0.943339194	2.638523447	7.120538614	1.935583336	2.403914267	0.16278264	4.689206606	4.787928	5.074395135
8.082344244	3.462222275	3.708337216	7.902108689	5.671442474	3.460979686	1.000456096	6.034793015	6.270327503	7.60744556
7.975781286	0.853014517	3.28585019	7.699950537	2.789721993	2.349272905	0.268044471	4.88580689	5.921115214	4.953302297
7.672126128	0.922876675	2.645504598	7.103571256	3.817249959	1.550329924	0.102443897	4.520846149	5.118591286	4.718127964
6.879056545	1.011813188	3.646299358	7.407023451	2.787999541	5.032337827	0.509346459	4.38162551	6.508723102	5.823726953
8.948318569	2.019518625	3.717667993	7.671785874	4.731807192	5.743613762	1.478991798	6.120241773	6.567871461	7.042705716
7.504262161	1.965057581	3.888649384	7.525380487	3.028681152	4.376020961	0.743427469	5.946604113	6.397779075	6.08456913
6.310990958	0.735233714	2.30236158	6.013877066	3.206433984	2.47668367	2.361738681	4.987057303	3.711150695	5.542485325
7.865153334	2.583420179	3.045665158	7.544287753	4.230070286	1.8232635	0.583827512	5.703658061	4.584066268	6.125611126
7.553999632	5.045364105	4.753446244	8.765428352	8.581510578	5.637040691	2.438950302	5.898092633	7.040499417	10.38648943

6.491077017	1.89030652	2.462410532	6.833292369	3.353168118	0.74024739	0.149094877	4.902499462	4.222729341	5.107744374
8.104052977	1.623440601	3.401708601	6.938100294	3.95970342	4.234899674	0.666909635	4.699456044	6.216491739	5.228904327
7.699026744	3.762187585	4.687131299	8.666554957	6.737708565	5.478142771	2.453170683	5.618644105	7.627889854	8.585463012
8.042032651	2.008125456	3.743001842	8.083421805	4.772579147	4.251032558	0.901535636	5.611098466	5.959731435	5.526936799
8.172483416	0.75464186	2.448729964	8.781158364	4.164265671	2.130184231	0.3737164	6.363561201	4.876518314	6.127886763
7.759871612	2.456352609	3.135435378	9.135308268	5.281810748	3.015227334	0.743995794	5.816394199	5.382176764	7.471124169
6.631910592	1.019252487	3.484997907	7.363116902	2.867030417	1.744146199	0.203841671	5.54634885	5.400797066	4.741556212
7.150643892	1.849890138	3.939008751	7.620590245	4.182069999	3.654265364	1.770103695	6.463422313	6.0466334	5.619264173
7.551988916	5.868960321	4.931387554	9.200396442	8.979860101	5.658835338	2.86914942	5.777898325	7.347797249	10.44647348
7.458376843	0.994953601	3.459321768	8.661624477	3.515084616	4.901561898	0.65205823	5.395137007	6.189796386	5.153578633
7.14855159	2.131834796	3.656544418	7.441122259	2.424619786	1.526499199	0.224524568	4.576889737	4.430741337	4.635811647
8.080428469	1.097292295	3.73457465	6.697047575	3.838914053	0.469296082	0.271587132	4.363862826	6.765086474	4.968653186
8.263023703	1.152160068	3.085479181	7.989726232	2.854328772	2.385788443	0.384855086	5.74874354	5.259955511	5.652585819
6.60646112	2.82536396	2.970154873	6.914914317	3.331264506	0.723409678	0.168574275	5.72204549	4.136482737	6.666271114
6.399769493	1.243797919	1.155436795	7.220589501	2.278253741	0.288804867	0.07559344	4.401445989	4.166381418	3.680669328
6.578839652	0.403774602	1.943429875	6.558011798	0.203917324	0.303117673	0.092890488	3.054763915	4.554036109	2.853599327
8.302034303	0.227405842	2.284877765	8.219854373	1.25479057	4.053023635	0.295723065	5.853221072	4.759493729	7.231418459
8.111245727	0.871717734	4.255571385	8.318704262	4.220391907	1.924314791	0.683336338	5.967265572	7.043986333	5.217588529
7.903094998	1.020855812	2.148820092	7.890395672	3.550163377	2.832717387	0.448110789	5.519545579	2.732686525	5.710950165
7.115643376	1.813455312	3.868400035	7.141763102	4.085008448	3.904398264	1.048757527	5.131141939	6.376904211	5.516919448
6.868542387	5.525300622	3.966934904	8.776887499	8.476480869	4.384851407	3.649139155	5.030909941	6.130350308	11.26171723
7.885158153	3.578471592	4.334068961	8.667683187	6.829717111	5.370848255	2.094038378	6.085708603	6.636354509	8.166572475
7.807404881	5.992542568	5.169497701	8.918940744	9.166569317	5.905851039	3.531817805	6.211104804	7.388677021	10.51070603
8.820132891	2.398101926	4.434765152	9.002321695	4.772366764	3.871216791	1.734590656	6.436482571	7.495202803	7.258086442
7.314197692	2.523315172	1.82838455	6.288192467	1.045591496	0.35997763	0.076066279	4.83711967	3.582548775	5.535095089
7.923886555	0.893639065	2.962058885	8.574402835	4.225297661	3.77668646	0.345869816	5.463910047	5.678729775	5.211468435
7.498698898	4.040530507	4.164886109	8.108077344	7.180055118	5.118382978	1.486425721	5.921846136	6.390151053	8.52194894
8.392002432	0.714737522	3.373692062	6.936597088	3.911890102	1.848923326	0.214372944	5.883780869	6.361538832	4.802721397
8.180757128	1.855513469	3.306886238	8.069085669	5.413990694	3.814947101	0.691546786	5.551226044	6.045322523	8.457456748
8.999019624	3.266747197	3.211139865	9.417425118	7.086057948	4.103471561	1.78599544	6.796516196	5.96061181	11.01621017
7.727721529	0.597500235	3.024468144	7.252997093	2.819396426	1.646618345	0.156603223	6.052213269	4.702955061	7.163332543
7.265324738	0.458671772	1.723340615	7.269330337	1.751784307	1.668485385	0.182649895	4.512985554	4.527520354	4.197398741
8.895528108	1.719824989	4.975534164	8.824757424	4.837863052	5.758138231	1.702236866	6.90017028	7.831329522	8.05444802
7.244200842	1.800902101	3.99767301	7.582648019	4.55318027	5.212734678	0.508858576	5.123567753	5.908891263	5.785465543

7.798838606	0.8632561	2.875491611	7.928968935	3.335846895	3.10503042	1.579467184	4.189805456	5.070683435	6.185180153
8.059059556	0.899444424	2.141801023	9.242210928	3.021494151	1.990237127	0.207184697	5.471990568	4.303537056	5.969908949

ACTG2	FBN1	NRP2	SOCS3	ACTB	COL6A3	ITGA5	DLG4	SDC3	MYL6
9.784279356	5.362407017	4.335379019	6.446869349	12.58489968	7.308427229	6.537255682	2.318826022	5.922753689	8.111433404
2.976283105	3.415784607	3.30803321	6.390550746	12.35172438	5.495743562	5.397409406	1.738631039	5.517988915	7.906797352
5.990150258	6.662571807	3.614852445	8.265802822	11.83071715	7.960351976	6.058197809	3.670237275	5.420416674	8.593206053
3.664142917	1.6212613	1.186302691	4.687045548	11.45809075	3.703799393	3.249407249	1.373232025	3.633586065	6.97967667
10.27855782	5.590004837	4.24592685	7.006308157	13.18734521	7.342551622	6.619522464	2.666964346	5.99593888	8.535514608
5.439267993	2.847837827	3.06347954	7.390159326	12.34636133	4.451091951	4.530094323	2.276516292	4.635223004	8.815107311
7.535788342	3.61728444	3.054501848	6.551967632	12.65311784	5.720007309	5.405113629	2.161209617	4.650152811	8.13034475
5.94597815	3.322120522	2.184125378	6.163174498	11.33423657	5.585674776	4.828227892	1.44611297	4.718994661	8.083304646
9.187682997	6.200750126	3.922067968	6.686312004	11.42706642	7.068325708	5.667054248	1.998913687	4.24971527	8.838891732
3.434530589	2.992980186	2.050024651	6.640622885	12.78663049	5.029800076	4.306612966	1.453296603	4.739044017	7.870203356
9.476435409	5.034242222	3.536406809	4.683267064	12.57782606	6.555626858	6.043028287	2.829597	6.021005849	8.450576977
2.659553393	3.715143633	2.926340891	6.318541042	11.36360895	5.344552861	5.581419069	2.51550126	6.140288861	7.172958347
4.623536628	5.91813155	5.102064104	7.415608904	13.06734942	8.097897173	6.206568417	2.398938277	5.422728801	8.160207105
3.859107587	3.164627082	2.424391466	5.463042542	12.47490633	5.501693559	4.886640854	2.026461895	4.619736822	8.54553281
4.716388288	3.575243388	2.841724618	6.505184454	12.7743837	5.405245895	4.386593463	1.705172955	5.224555172	8.935318724
6.242686465	5.797407786	3.902089421	6.045052081	12.016591	6.787214918	5.812886277	2.28806612	4.150484349	8.901020981
9.097052458	6.583271748	5.760338245	7.366928582	12.65689437	7.975463122	7.265417085	3.016418257	6.149555921	8.795121135
7.077784219	2.976606096	2.427995037	6.315879057	12.73404165	4.726581991	4.335380399	1.587196577	4.736276477	9.244591269
3.322901239	2.730122227	1.700853433	5.524327014	11.66548334	4.996260104	4.03098082	1.363076979	3.985710489	6.808368663
7.03788534	3.73969466	2.949617889	5.506387129	11.35087008	5.964838634	4.310341015	1.605026497	5.635056805	7.601312598
8.81784697	3.88720783	4.122882926	5.244120973	12.22748507	5.672678981	4.450633694	2.270742735	4.914494653	8.46659266
4.032294193	4.403414854	3.602106654	6.48729082	12.55823108	7.171400409	5.711554483	2.033047957	5.13338333	7.762137409
1.819157519	4.195369513	2.844810263	3.535043442	10.08354254	4.380810372	4.090697094	2.279001833	4.961335231	6.743317644
7.075049306	4.765346347	3.834282686	6.040838531	11.84021786	7.115956942	5.385024611	2.722677869	5.993651364	7.582426721
4.910242566	3.721085048	2.695539832	6.477308075	12.31741012	5.916217865	4.578460274	1.324901687	4.140609951	7.647253161
6.771671516	3.638652029	3.087128075	6.798031243	12.28552033	5.557999812	5.01371172	2.503888875	4.193280799	8.183878254
11.56432481	6.444587452	5.703108209	7.1084696	12.98798271	8.258047016	6.426562614	3.897484585	7.109368157	8.906611437
9.314418758	6.317819934	5.475084888	6.859179514	12.62179553	8.263252601	6.637494135	2.985165544	5.989208838	7.705283675
3.931751529	1.90426639	1.224155149	5.238384798	12.22229479	3.608994615	3.517528071	1.568311136	3.336727591	7.993717397
9.003834723	5.15784324	3.85514915	6.473928085	12.64525214	6.855910659	5.723399557	2.129707506	5.413382172	8.234039757
5.701031887	2.798434563	2.88107228	7.481747501	12.21320839	5.161612753	4.299389042	3.274651052	4.711258097	8.320912591
8.388422351	5.113065065	4.125629695	7.699011519	12.19355289	6.857541222	5.340973489	3.373158484	5.788112634	8.108514778

8.866873133	6.30909481	4.679038582	7.828885877	12.90409706	8.911507461	7.286452195	3.40819292	6.262807349	8.310855129
5.529364923	2.775750565	2.657479819	6.009111868	12.0893285	5.054957056	4.545696122	1.43101064	3.494619285	8.234138801
7.772174804	4.927210171	3.115551046	7.333965524	12.2701118	6.371193403	5.069971018	2.298657698	5.793099925	8.268653104
3.657104711	2.504552788	2.33783302	7.48173652	12.6625705	4.218634556	5.575664058	3.000457061	6.032050103	8.915053532
5.222415377	2.918609434	1.982545215	4.541466246	12.41113261	3.97222725	3.993665859	1.415495556	3.725447942	7.964541593
4.711579333	3.265336351	2.371524186	7.589667596	12.59375826	4.820551317	4.832120691	1.764732208	4.525108062	7.450328157
3.795948073	2.749237086	2.355805489	7.137810942	12.72011734	4.658206574	3.974612797	2.676938511	5.166860233	8.259741548
5.687093073	5.847456976	3.794046827	5.481193241	12.53448173	7.701989327	4.94059624	2.666325465	5.927028381	8.042252461
9.719372493	4.813514716	4.007395465	6.552402697	12.72804947	6.999071446	6.239815518	2.743450128	5.712323434	8.621249741
6.174565887	4.061445817	3.942162517	7.53471864	11.6257207	6.26796807	5.980133334	1.832457341	4.445598183	7.548223334
7.918787268	6.485889708	4.77850399	7.114956034	12.90334071	8.815678511	6.426781835	3.288126476	5.663838656	8.680480885
5.880948757	4.040528269	3.082842877	5.56900197	12.67078336	5.726423246	4.863847715	1.88285311	5.26564881	8.213580794
5.465234719	4.129695353	2.868670289	5.756959915	12.36197596	6.212197125	4.344319934	3.154868969	5.650535651	10.11466336
4.721501413	3.408750206	2.163977147	5.446866689	12.12466666	6.016312557	4.633236241	1.565387935	3.434333863	7.709549432
8.458162765	4.66047794	3.443012401	6.842391119	12.11150106	7.308208569	6.746055783	2.124405615	5.430269649	8.161801172
4.145469999	4.53246411	2.855312407	6.865493476	13.2790802	6.992186001	5.411585406	1.794325302	4.270604904	8.19333444
4.784952853	3.216051717	2.147374326	5.800497289	12.26123359	5.249308678	4.229314899	1.353927708	3.825992772	7.886772373
5.97618099	1.251376237	2.063483006	4.2361119	11.73768708	2.627007901	3.488102686	1.504505278	2.56535465	8.329885904
7.000487945	5.714994267	3.625920173	7.444178536	12.28951379	6.821553888	5.907972306	2.235766465	5.380038032	8.316092232
4.137164762	5.214154576	3.375281284	6.864705897	12.46074919	6.740184068	4.63758236	2.208728527	5.864759601	8.244046305
5.928329377	4.532395372	3.185779849	5.720389348	11.51430312	5.731429389	4.56375603	2.028308818	4.202071173	8.554959137
5.370906641	5.788662917	4.189419377	6.664898154	12.85603387	7.341570559	5.739343229	3.421515585	6.899810314	8.421095652
4.172948552	1.987172951	1.498377251	5.588797271	12.46104676	3.888879704	3.890869522	1.205758432	4.016408155	8.242668677
5.556460833	2.675872596	2.416518593	6.924312281	11.70726632	5.364949128	4.964904597	2.342331405	6.104673425	7.325615916
10.67505069	6.534109356	5.00363104	8.039215967	12.65119592	8.392035756	7.561316621	2.956329643	6.605911193	8.2810651
2.600556799	3.600228787	3.776216429	5.683605263	11.83548781	6.526006872	5.076442932	1.322891654	5.404581662	7.471291405
4.440261567	5.101491736	3.639362501	6.583834597	12.5546957	7.203614203	5.699751961	2.539076598	5.979257487	8.280234975
9.953433817	5.252528405	4.76213757	6.782118292	13.18219136	8.421214602	6.695258442	2.923588153	5.633724823	8.964760878
9.897986255	6.924706515	5.099131658	7.809467026	12.81784979	8.666725742	7.549766337	4.090686378	6.599994573	8.647060321
5.940879189	4.392049352	3.018322205	7.330800983	12.2764461	6.680086312	5.568279995	2.379186526	5.050874533	8.557673518
7.113041675	2.56107994	2.828260303	5.652990833	12.10663842	4.740173888	4.276139212	1.515954165	4.291660381	8.627150288
4.854374793	5.398524275	3.602467821	4.399299045	12.23928836	7.46530023	5.111674818	1.755665812	5.178930617	8.074050118
3.371562523	4.679421061	2.624756996	4.646833174	11.79870496	6.460531812	3.904078259	2.675696951	4.82040128	7.993000801
8.622097312	4.654708012	3.090286237	6.9073162	13.28108443	7.154543738	6.088403417	1.876237862	5.427407719	8.366016899

6.283301724	5.056637223	4.236478582	7.793428139	13.03010818	7.200621886	5.357173229	2.202453427	5.81618076	8.675245855
2.220007431	1.107615325	1.026700001	4.604606413	12.17608027	3.593209502	2.528710166	1.683682498	3.559282798	7.385526341
5.245543923	2.068990962	1.451955491	6.248086854	12.74767357	5.015733017	4.097873758	1.09097092	4.769897009	7.923836168
9.369827987	3.350362087	2.776958479	3.869653868	11.8415533	4.974274691	5.481117536	2.485339836	4.977793881	8.105881778
5.509246387	3.958418433	3.093800054	7.691488312	12.7372875	6.326923696	6.095464102	1.823920005	5.281107543	7.557299253
8.781865239	5.613388065	4.546545243	7.422376242	12.72048255	7.452470085	6.215094268	2.954535167	6.613474826	8.49696948
3.923303669	4.05964364	3.130363787	7.801846435	12.32379455	6.158716919	6.222322459	2.249407022	5.104057363	8.15480573
8.593511377	6.028943748	4.895129281	8.280533381	12.53314878	7.440341311	6.204952316	3.59512307	6.025786699	8.681676806
7.219587839	3.418697644	2.888900188	6.071604378	12.67025702	5.505461975	4.323232655	1.405260305	5.104235188	7.795567513
2.723062928	3.756128626	3.024204762	5.441218963	11.8138367	5.689546073	4.916258024	1.970346522	4.43494216	7.823491264
6.62401866	4.831084987	4.342569453	6.971448177	12.56727438	6.600194952	5.659676089	1.848847438	4.03248427	8.772341219
5.286666882	3.033671861	2.555243705	7.163657204	11.86313863	5.088932112	4.397030197	2.274147728	5.499901698	8.496396684
6.817261396	2.912079925	2.664912276	5.441665615	12.13910136	5.103602853	4.458268355	1.161123036	4.900689812	8.53944353
2.399442742	3.516872599	2.694952372	6.60927012	12.93259491	6.02427047	4.49294076	1.341246964	5.078663684	7.927198293
5.2415861	3.618836216	2.768538339	4.925620877	12.85039572	5.559293828	4.163489014	1.524932479	5.279068279	8.065848567
4.277427442	2.998953056	2.593184075	7.712319186	12.64884848	5.687430732	5.341534662	1.702609131	4.197138081	8.27814922
4.985593628	6.300802825	3.61621993	7.614702062	12.46604107	7.806662034	6.018908596	3.332527487	5.930986976	8.516320587
8.807308411	3.974075029	3.911557173	6.677762078	12.37892618	6.237901377	5.768253216	2.03449746	5.97763397	7.863378268
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9.350143751	4.943892307	4.588385193	5.79014969	12.69839176	6.72332332	4.916028953	2.40117524	6.254306458	8.34917568
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6.417175988	4.598751389	3.782899635	6.331195476	12.72257069	7.128570466	5.901979729	2.519218469	4.975771919	7.746708974
4.602659858	3.853498212	1.771506968	6.26442062	13.44657321	5.769997221	4.867979677	1.431027698	4.73838979	8.329328102
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7.169987322	6.005114026	4.658345271	6.846972736	11.90595006	8.398541283	5.922932822	3.025573413	5.292957867	7.929435668
2.880876926	4.963741565	3.394481726	7.487062175	13.08816743	6.899909407	5.964504462	2.286606183	5.369784694	8.422584649
7.563074494	4.20861322	3.730130812	6.170035428	12.40300491	6.284336162	5.239072938	2.04872441	4.812417139	8.120769079
8.236141601	5.557226239	2.799329961	5.520998335	12.16690035	6.89499522	5.062886538	3.720456744	5.468208379	8.250548203
4.613712061	2.434037355	1.742040688	5.885486499	10.85501057	3.992809504	3.987174946	2.609973836	5.071805049	8.033222343
5.411039966	3.611015877	2.282404334	5.826025817	12.48528547	4.396358867	4.492319873	2.007557862	4.250312081	7.797634115
10.06031773	6.602890107	4.945131758	7.870392033	12.87316007	7.601986989	6.627704165	3.64224899	5.988846228	8.566489101
6.640659942	5.733346341	3.805015453	7.329202231	11.99941501	8.230404503	6.112388437	2.853231344	5.592150093	8.757411298

4.518094784	3.940034466	3.485572447	5.361713707	12.21267834	5.503784586	4.88648745	1.52440653	5.1190309	7.365017652
6.141802288	3.436840424	3.088432978	5.345333121	12.87126128	5.373329219	4.858981011	2.240976228	5.489655866	8.3293142
4.089601217	4.635722216	3.225245985	7.62265254	13.02302921	7.776314714	6.455944141	3.737972841	5.795648281	7.921754886
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8.376115462	5.2329563	3.894527819	6.960453043	12.35524118	7.230858595	6.403792925	3.00048484	5.553862503	8.614783712
3.075018823	1.909334347	6.334016997	5.260523086	12.08407167	4.171079978	4.361065434	1.354324683	4.069048102	7.504714256
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4.975691898	2.644249456	1.896545063	5.466746284	11.96918561	4.253676978	5.54700977	2.329417234	5.088629041	8.169298158
10.62942423	4.363897139	4.481307502	6.424052347	12.4822056	6.179236782	6.991023492	2.568828984	6.201648631	8.188098341
5.311275141	4.527232982	3.293974153	6.605238277	12.53805761	6.066624907	4.921639847	1.947694637	5.189349324	7.783756769
1.371814233	3.362494675	2.094306738	7.634538635	12.3154356	4.855819452	3.604925431	2.906495691	4.840030319	7.703276388
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10.10800408	4.119504946	3.377101143	4.859686654	12.26709064	6.764554628	6.324581047	1.848610352	5.289253274	7.668017742
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4.200109911	2.87113802	2.462310563	6.937358411	11.96192761	4.719604999	4.892869728	1.528370642	4.728095526	8.623159069
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4.387210554	5.360438067	3.49549917	7.478818965	12.53303299	7.305963352	5.870262095	2.229245857	5.94925832	8.285490316
4.996563922	2.825855478	1.481857244	5.864290374	11.78264347	5.107995352	3.485980226	1.140038956	3.776999055	6.922306948
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5.780294056	4.741004877	4.471901125	6.634098886	11.61664268	6.299706006	5.068217231	2.021283649	4.657386704	7.410402562
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6.200829412	3.594319812	2.923296163	6.738199347	13.01351348	5.616302352	6.154317974	2.774386699	4.901783214	8.298256576
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6.226698505	3.769682042	2.479693078	5.651458443	12.08064523	4.92729744	4.299272878	1.263373382	4.676459657	7.234868537
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13.20561229	6.650544563	6.553498797	7.684319318	13.72689661	8.72156055	9.024705917	3.892529274	7.422725968	9.53904659
4.684819982	5.324181478	3.915925691	7.563643752	12.75587158	7.46326236	5.460438298	2.388652022	5.430328286	8.310098525
3.737689432	2.348166873	2.747846969	7.83179708	12.14048862	4.695729629	3.837201974	1.22103728	4.835337517	7.444492112
5.374613803	3.747236851	3.009881376	6.278380802	12.11438842	5.496754131	5.277432537	1.408329754	3.157850649	8.666164463
4.725303184	4.243231944	3.618013725	6.075128421	13.5872076	7.492554248	6.206346283	1.71516341	5.93185593	7.871752583
3.94964694	2.663193326	2.058533401	7.079556358	11.93647223	5.270288018	5.602727607	2.948043908	4.318099651	7.65059099
2.228178212	1.42071743	0.805708147	3.92469299	11.49897337	2.91145705	2.695087595	0.642125471	4.343616948	7.774973998
1.339598736	1.359621704	1.239630373	5.2859743	11.9322754	3.809088127	4.037508099	1.152055477	4.286435775	8.910653525
3.300378874	4.34976142	3.999897191	7.181628295	13.32981245	6.758001277	5.76367674	2.708557447	4.305826691	8.762977104
3.780515382	5.559468237	4.167451605	8.093857137	12.6736499	8.26555994	6.964731325	2.942043476	5.068481577	7.854988338
4.071972816	3.44911199	2.958399679	4.392560198	12.91622494	6.322901897	5.189932138	2.173872393	6.079751214	7.974861845
6.38901092	4.62861789	2.827141418	5.650498539	11.89021768	6.006337821	5.478600999	2.139071647	4.787495086	7.653340176
13.55551207	4.176638522	6.194859099	7.43101113	13.36536485	6.558781559	7.757176452	3.556000114	7.064969729	10.16286485
9.266143364	6.567616345	5.134306358	5.976482466	12.48837214	8.417687897	5.821753083	3.06928662	6.174991442	8.239200964
12.67029726	6.610481249	6.490604423	7.591662142	13.37270688	8.454863392	8.417280955	3.804240185	7.678799442	9.065442625
7.962562065	5.915067722	4.61140644	8.474832648	12.95835664	9.063482025	7.384722469	3.625185614	5.559671344	8.660663138
3.809843072	1.15631326	1.577749527	4.644885692	12.07448696	3.178689139	3.370566751	1.42500646	3.927323658	7.006911107
4.532079304	4.65350114	3.292045445	5.397175914	12.3985689	6.802966512	5.386752668	1.857036429	5.623820667	7.648701592
10.73404262	5.334401609	4.926696401	5.878613064	12.06274202	7.154828657	6.917053158	2.98988836	5.945429048	8.081736994
4.30895479	4.552842773	3.767300408	7.914920753	13.71982281	6.931067303	6.928054798	2.272937064	5.455049695	8.144244215
9.585160314	3.853462086	3.514941533	7.08137347	12.99633537	6.203220196	5.902149806	2.706483246	5.558729411	8.292713807
12.93698578	5.398270815	5.166722699	6.659361198	13.50541528	8.061120623	7.761212159	2.776075859	6.722280869	10.11436559
4.277661494	3.466939881	2.290242683	7.385094538	12.70133629	6.209770147	5.062110927	1.517195163	5.358673509	8.495913193
3.201490069	2.420715218	1.709908832	5.24263628	12.54560558	5.192639154	3.80481653	1.109300773	3.961990243	8.661854422
7.168177873	7.345255897	5.560653817	9.36333324	12.81285626	9.819384817	8.814210104	4.574170699	5.205496092	8.309813897
7.20094831	5.256820637	3.156910974	7.174328946	12.29887678	7.11690456	4.85417965	2.357500455	5.982677632	7.65754309

7.448723475	3.144942495	3.270738386	7.345936049	12.42606286	5.734546003	5.516030664	1.610601073	5.105619909	8.721305569
5.586116868	3.406809831	2.687110558	5.423545635	12.40902457	5.397379256	5.639706291	1.421009822	5.141582518	7.803556928

COL5A1	CDON	NR3C1	TPM1	PLXND1	SPARC	ENG	ACVRL1	CFD	MYH11
7.127186947	1.790085081	3.548513908	6.248360578	5.459746811	9.532703674	6.326958409	4.192694474	5.570963105	8.951889398
5.14933941	1.707944536	3.763981451	4.453054816	5.420400243	8.316017168	7.168417709	4.361080138	2.325704633	2.417471502
7.933493563	2.407119497	4.051741819	5.199111398	6.479298796	10.94707326	8.384101235	5.375279852	8.421758128	6.362524479
3.393694276	0.896986675	1.927499853	3.603795264	2.239078052	5.628275965	4.186090151	3.272854132	3.608729833	2.913154561
6.775590575	2.651257093	3.956319529	6.800355926	5.516866393	9.045491939	7.011899458	4.031806701	6.857762457	9.70020205
4.649532552	1.788315658	3.924193936	4.094982929	4.665830099	7.840148906	6.05210321	3.291445722	5.303520805	3.96283955
6.346886766	1.143077132	2.427338452	5.065529117	4.170744804	9.183307632	6.528313848	3.337700523	6.628056769	7.168855124
5.097161622	0.444314285	3.352554298	4.454617735	4.97921263	8.119180066	6.488465128	4.28046705	5.39769936	5.495307433
6.4066533	2.90588979	5.121858522	7.062440547	3.897039696	11.09068796	6.319226476	4.619794173	7.118343173	7.227015183
4.959150391	1.296666149	2.293166559	5.278974971	4.677561509	7.80414852	6.262288225	3.4541746	5.729746855	3.377286585
6.720311827	2.139092906	3.469934176	6.066777401	5.004474323	9.068917877	7.82745757	4.092029165	5.507943601	8.203617059
5.898633811	3.666884615	1.715422332	5.382635318	6.913014407	8.307365742	6.892765862	3.353788803	2.781663726	1.612879968
7.845047606	1.489879937	4.996618564	5.920637044	5.626628837	9.985182299	6.394409534	3.475255423	4.460160671	4.326999804
5.07065556	0.80515967	2.975054255	4.388878308	4.510229096	8.130460278	6.321982792	3.046874195	5.588882473	2.255124571
5.746639153	0.624932501	3.8885089	5.613752759	4.6592983	8.492670565	6.211027737	3.538318007	5.534846867	3.83035749
6.536062357	1.336943568	4.553522498	6.444300206	4.660161808	10.06000271	6.371598096	3.696484128	4.035308415	5.437972554
7.765230085	2.978039243	4.62727367	6.41611092	5.911609145	10.16493457	7.623033351	4.913430706	6.021870835	9.393423063
4.365110448	1.167223599	3.236904807	5.871469955	3.975913199	8.537449316	5.548465949	3.676542706	4.732549983	6.091291342
4.224950487	1.281088921	2.13719915	4.284385472	3.234682786	7.679982278	5.787470814	3.493982185	2.469052907	1.758344922
6.001695654	1.499061721	3.095717896	4.76413916	4.812223844	8.640041358	5.744716194	3.616708555	3.851692271	4.347073826
5.633063519	2.634251263	3.404882228	6.076185134	4.163007522	8.310460888	6.4521059	3.051236003	4.164369894	8.702502161
6.517105854	1.266571258	4.270866666	5.039800141	6.192199616	9.116903095	7.333940748	3.876476818	3.926326885	3.622189852
5.140593774	1.393753131	2.662298342	4.824372605	6.318475312	8.870324741	6.622002934	3.090495061	4.148475522	3.230354573
7.175608114	2.452127256	2.911873346	5.31383251	5.524916433	10.04623451	6.400374983	3.873487029	3.826544402	6.362679708
5.694725654	1.572898681	2.778144198	4.968245514	4.681635428	8.161319254	6.651265613	3.654184361	3.236573853	3.326589265
4.441046651	1.666302056	4.517015213	4.545176839	4.790347596	7.392755133	6.410055706	3.504096505	6.478074367	6.868473204
8.634332226	4.879395798	5.526363708	7.85527698	6.247507012	10.84868955	7.607512938	4.680003801	6.936680595	10.9906523
8.222727715	2.312160316	5.435766737	6.81086796	6.472528307	10.18329567	8.000832236	5.865740187	4.658275243	8.691979546
4.057778408	0.905890855	2.990934728	4.644412224	3.374514819	6.964919616	5.775769663	2.776789665	3.626397044	1.88570032
6.171974406	1.666013746	4.191547012	6.063874807	5.40996862	8.351350974	6.56181381	4.048182203	4.718280646	8.279315341
5.815065291	0.77062257	3.485616584	5.965767283	4.464170652	8.134523547	5.779125981	3.581816188	4.514192487	6.646467906
5.784590946	2.174504353	4.036535061	5.922072555	5.866267682	8.600761838	7.099910325	4.634855946	6.562262657	8.7253496

8.917108063	2.331364284	4.595478774	5.855668476	6.498190646	10.27346531	7.247419583	5.350189992	5.694145344	7.778358236
4.504668332	0.63526849	2.606194598	5.274529668	4.256308513	7.079282201	5.933435302	3.737147765	4.088973337	4.296034459
6.138350683	1.998390145	3.498240895	5.706005493	4.895421074	9.182394439	6.915882471	4.174089667	6.432314314	7.066271126
4.191440705	0.902170916	3.505296764	4.308815239	6.078346698	6.954636867	6.502128189	3.822306475	4.598309209	1.808803557
3.803579651	1.47439848	3.722863092	5.72072435	4.272240064	6.530080064	5.672126388	3.00313732	5.250675847	5.220180591
4.457093211	1.260644063	3.949303485	6.614841061	5.39802567	7.632814057	6.514624949	3.569612304	4.445036068	4.643750766
4.156961742	0.966112789	2.851119805	4.897210333	4.948133341	6.485464952	5.431439621	2.747684153	6.679077881	3.283504696
6.8838959	1.650361794	3.651210521	6.022534555	4.920029844	9.978723528	6.140876564	3.670252925	6.780462888	4.455247933
6.729335475	2.144372999	3.105880982	5.966495037	5.335346223	8.93476269	6.926421694	3.930335237	7.607469708	8.956828877
6.270072501	1.077370478	3.668074504	5.242318279	5.652954901	8.758187341	6.929975545	4.010467734	5.114355914	5.566829353
9.125083151	2.016093114	4.326961823	6.226371222	5.620819533	10.69488821	6.865039746	4.469505942	5.184603482	7.749579196
5.609033413	0.530614896	3.901835851	5.378253736	6.087972078	9.147585223	6.895335951	4.021920673	5.710921612	5.385001257
7.034213593	1.887307248	3.745077139	5.348101244	4.901438262	8.790821974	6.283034251	3.465415217	3.595942978	6.598853814
5.641694903	0.481556811	2.254329733	3.790108588	5.221361767	8.590156519	6.469412883	3.183137293	4.247432228	3.619214612
7.179255394	1.618998341	3.845193778	5.936783376	5.520473293	9.419250143	6.591766564	3.721413553	4.160681704	6.716671946
6.983008812	0.538210919	3.743404111	5.357334794	4.78547746	9.054763793	6.314850225	3.451924439	6.20930515	3.157982604
5.863234105	1.980602142	2.846295995	5.977161244	4.251968467	7.983395702	6.011898479	2.98046422	2.392778717	3.513503748
2.567177687	0.997069042	3.426347454	2.811123814	2.37983236	5.243517058	4.674054942	1.622778589	5.443496889	4.861589958
7.322701308	0.838398971	4.175486988	6.060197135	5.285417793	9.869973372	7.287427275	4.195099478	6.603309252	6.186585151
5.885682393	0.902108449	4.972681262	6.006736543	5.626630844	8.671165073	6.660780219	4.062868614	5.280504161	4.671257943
5.077609459	2.637506395	3.433125774	6.603939152	4.689528836	8.735228035	6.076658581	3.451257203	3.875258874	5.055348108
8.086786334	2.042220439	4.11884204	5.686244495	6.282744044	10.91488715	7.344401458	4.299182967	5.902277261	5.472752867
4.286550335	0.835792435	1.964396439	5.434140218	3.128810687	7.520928227	5.284770839	3.062023138	2.410670847	2.204105557
5.758003566	0.629941162	3.062581523	4.383214795	6.09877937	8.688639172	7.139097233	3.596404458	3.966126096	3.401033037
7.514863289	3.016231836	4.800074063	7.003785944	5.996887083	10.66968187	7.365001988	4.433526892	6.924229008	8.863183032
6.632141868	1.530396364	1.752156945	4.570709046	4.561367094	8.595531736	5.223367716	2.687190606	4.509013644	2.017561027
7.099987782	0.802870584	3.535175861	5.385169237	5.943580724	9.612377626	6.877324199	4.068531611	7.837310469	4.559710302
8.236368223	2.88043246	4.302506072	6.469633898	5.446822885	10.55816878	6.585633357	4.209888352	5.133755647	9.278531262
8.835652485	3.516492399	4.642573827	6.337971946	7.457403196	11.38423859	8.596055736	5.602764619	9.625785288	9.052327857
6.419403254	0.76107562	2.923572791	4.919906918	5.562234566	9.001479232	7.579755728	4.927541326	5.902801226	5.574486226
4.574389125	1.045952533	3.758479927	4.723397369	4.838465031	7.023136358	5.760901192	2.973914704	6.622154356	5.90079325
7.422312624	1.388015823	3.645194441	5.527270751	5.193901604	9.385735232	5.962540442	4.534394824	4.387108751	4.042482515
7.184191189	3.137509013	3.499223007	5.949431524	6.054797507	9.078091848	6.190854429	3.640570773	3.590543165	4.262027588
6.857482783	2.203864649	2.730052873	5.6516756	5.093724575	9.163670975	5.775998479	3.172743228	7.731845253	6.893136281

6.959781797	0.970236783	3.946770594	5.545428193	5.662076728	9.4424263	6.96843932	4.33437507	5.268760825	6.905238883
3.725679454	0.700696427	0.880573466	3.866270102	2.354336592	5.758026142	3.399727198	1.314733313	3.783921385	1.644883375
4.92367785	1.009625467	2.427932793	5.435494936	3.950519003	6.883984269	5.788209453	2.832431795	5.890849133	3.455951862
4.440284589	2.111465772	3.877140142	5.878012957	4.801557623	7.076712206	6.105063547	3.301663458	5.821411434	8.091145845
6.358371345	2.383012174	3.680032949	5.0316417	5.281096454	8.434585341	6.549848318	4.813026932	3.229168701	4.327026279
7.547351983	2.881404302	4.261730363	6.10794662	5.669846121	9.927974801	7.575662868	4.536828955	5.039926195	8.65583861
6.593835116	0.924368554	3.208786044	5.61594647	6.116347953	9.408300623	7.442857295	5.064336376	7.366714044	4.460973185
7.414707639	2.620261294	4.55000677	6.531614274	6.078129425	10.17778727	8.23083485	5.157078098	6.538060322	9.313380576
5.228114483	0.803017439	2.627834689	5.333629597	4.769017202	7.80279239	6.017843548	4.796395096	4.53708732	6.667585076
5.160387854	1.711630422	3.418666506	4.84250709	4.664162784	8.870569094	5.647032463	2.866855178	6.38952541	1.838372025
7.125816097	1.611627266	3.783515804	5.767450394	4.390367058	10.06998323	6.518659708	3.41200559	3.681355814	5.170144727
5.493064684	1.056765228	2.888516827	4.627216132	4.9489041	8.491146112	5.807366691	3.622644922	5.176083579	4.686031813
5.31691767	0.743659154	3.813415037	4.984331951	4.854201107	8.008559476	5.538393017	2.966345608	4.775084548	5.93311188
5.67406084	0.832859817	4.424337061	4.988754141	4.482631801	8.148152446	5.619416152	3.407277341	6.219467664	2.105717115
4.900952688	2.014322948	4.192882988	4.78555738	3.942403548	7.142123892	5.728786747	3.673124721	4.286940236	4.909050062
6.161223088	2.099927113	1.609543046	5.260185723	4.607932683	8.608625122	5.966897361	2.964189659	5.296087088	2.031708488
7.49868562	2.007304438	3.890184343	5.123098537	6.485044515	10.35918753	8.426848167	5.623724064	10.65190469	5.492856375
6.079719884	0.581001163	3.515736964	5.000771231	5.938145935	8.554881681	6.743084562	4.218025182	6.652035503	6.620120956
6.604400977	0.872149713	4.526154329	5.230072354	5.828848271	8.705156595	7.297771819	4.466695066	5.568425651	5.291131465
6.253059699	2.184089752	4.034004978	5.609902305	5.037216386	8.928150009	6.766962961	5.254979291	5.804995748	6.607595027
5.52620498	2.28990307	4.671027446	6.402014306	6.327444321	8.300267785	6.814863089	3.820417959	5.61298596	8.89362968
7.066139939	2.514279017	4.39720191	5.340131954	6.139420305	9.649486735	7.025151178	4.187512052	4.980504278	4.353470989
7.374612232	0.916812242	4.077685837	5.172870048	5.806066229	9.411586662	7.756272303	5.281048841	4.054091372	5.335227603
5.863198363	1.005146996	4.166170355	5.668780084	5.173364572	7.752854039	6.046855392	2.81656833	4.188313923	4.324595762
7.160456006	1.5239234	2.627763944	6.289161377	5.231017011	9.567326646	6.218114085	3.184205932	4.161894583	3.663252915
7.052819808	4.470619868	5.337943604	8.881792579	5.64229604	9.095850075	7.331392388	4.217187402	6.545092987	12.1640524
7.453706786	1.75151274	4.255228085	5.696458153	6.102083116	9.904470891	7.757654717	5.086963255	5.926663414	8.490502597
7.301016955	1.777140259	2.752386549	5.682974237	5.06936929	9.510515558	5.982952011	3.186230411	6.903395514	1.727037976
5.600170984	1.13579457	3.876113663	5.696567963	4.780239691	7.734342749	6.872093996	4.037896092	4.231156273	7.946860087
6.130978826	2.038916391	3.574506546	6.248884617	5.500728581	8.651599478	7.160200042	3.614654012	7.997529665	7.22735941
4.235135392	0.960458573	3.408474321	4.771079908	4.343202732	6.866675252	6.14623457	4.2144956	4.900258116	4.753755625
4.533365729	1.108557123	5.01866931	4.426794054	5.114734713	7.394776807	6.704632245	3.778475843	4.986769526	5.47428583
7.947756339	3.928294832	4.359376957	6.694298653	6.248804451	10.2765524	7.998943118	4.759668125	7.053981208	9.806175433
7.559356763	1.8384123	3.73020318	5.479559181	5.667014151	9.873547624	6.784403529	4.301526121	5.014427538	6.312294228

5.299794994	0.706739445	2.65188872	5.29513947	4.749107307	8.148298071	5.958065616	4.493155233	5.083160389	4.472844181
5.410372816	2.462328915	3.433537691	5.785557194	4.728309578	7.82164839	6.286454727	3.799118782	4.690972362	6.334421327
7.331593692	1.761505154	3.767761017	5.447486703	5.143474858	9.478592852	6.798332932	3.301199501	2.993859717	2.333773359
6.044990683	1.789786045	2.931171158	4.367828763	4.928247487	8.588576846	6.918688471	3.953492178	4.727960089	4.496642221
6.602899934	1.455694617	4.380094984	4.984742934	6.227167014	8.803741524	7.117166065	4.508752511	5.115320239	4.411078515
7.289262681	1.230726362	2.385831242	5.231416711	6.353885053	9.989721634	6.9352004	3.567854771	5.999061349	5.535510008
8.122900357	1.645470444	3.813997434	6.691332683	6.120236456	10.83510882	7.877073028	5.025168519	4.935896193	7.551477797
4.28150368	1.820349366	3.013352206	3.847164471	3.573681797	7.532583944	5.823409887	2.560884685	5.41737265	1.497675144
6.054402691	1.096770332	2.523189251	4.878363451	6.438234785	8.496563416	6.723964008	3.540491722	4.480794517	4.360245459
4.595023482	1.680950252	2.724778185	3.755597559	4.722904941	7.811866712	5.77332909	3.242848485	5.659388984	3.324815111
5.782234647	3.209094651	3.899460437	7.175820124	5.121427349	8.121075869	6.58240595	3.261973642	7.094591946	10.79591574
5.873322674	1.755372319	4.030732893	5.854682675	4.758834308	8.496661334	6.394914648	3.313530035	4.360463489	6.068817423
3.69795628	2.038143373	4.022495099	5.568548092	4.526122794	7.262173554	7.078649459	3.580078244	6.092359618	3.258338365
5.328013975	0.60387675	2.61489624	4.617758003	4.432897359	7.473471767	5.890241354	3.460422495	5.152789874	4.098173453
6.962098631	1.311900221	3.431043562	5.657669289	5.254696326	9.277079624	6.842844119	3.631843436	5.424286959	5.612766658
6.788854444	1.637456558	4.063136906	6.020337122	6.032574502	8.873841151	7.328178319	5.029067493	5.141563424	5.172117019
2.334539556	1.189401361	4.011788635	5.107792796	2.858515852	5.379240753	4.385745894	2.215747641	6.380065785	8.287672542
4.866741027	2.475849386	2.955130893	5.906654288	4.276150811	8.083851081	6.137298894	2.78289792	4.0703986	8.20177361
6.829475383	1.600359751	3.104212816	5.849984746	4.34163845	9.350777342	5.635026274	4.480799699	3.763299022	8.24273884
6.468984168	1.559454071	3.169223063	5.955463906	4.840720857	8.922752625	5.930741442	3.362167989	5.457913558	2.944368158
5.017746164	0.194494796	2.375582781	5.802051062	4.627358901	7.174622782	6.778279403	3.838152417	4.750702675	5.111695855
5.242478795	1.365948135	4.172494418	5.265024871	4.856770728	8.861603974	6.07067918	3.842435625	4.772813023	2.357142065
4.980909718	1.0337763	3.831162015	5.48542794	5.95051921	7.873720664	7.341874825	3.716550283	3.928741393	3.426858034
3.640331145	0.824195584	2.974150008	5.405931027	4.185791421	7.338157811	6.622390924	2.869127635	4.26024743	3.946642767
5.422243859	0.93719141	3.92345591	5.093479826	5.632733931	8.496930939	6.486443807	3.285502881	3.920140801	3.443672937
6.86151358	2.565395341	3.312986233	6.104697272	5.626609551	8.988480965	7.131759449	4.469309043	3.659348532	8.537514162
5.761893464	0.86299891	2.85631662	4.866235224	5.189072165	8.360098428	6.35240808	3.402479938	5.922552626	2.181299821
5.714831887	1.357632181	2.534321003	4.101488336	4.8023406	8.00584834	6.606286905	4.189101287	2.470589389	2.291843288
5.599682405	1.590878164	3.600361662	4.529186592	5.13146013	8.587198388	7.215523799	4.538739277	9.378114565	5.465072329
7.527488172	2.239800547	4.174861681	6.441175924	4.980249451	11.12477558	6.142841274	3.652509744	5.356976204	6.769036716
7.494138691	1.058871614	3.946236136	5.295960761	5.884089243	9.943127342	7.153717084	4.183154368	5.560100611	4.280836921
5.435416991	1.661259939	3.811800645	4.345624838	2.932277841	7.864920214	5.096944817	2.965699646	2.920197672	4.396191155
7.638095015	2.761861541	3.105910318	4.582281487	8.75394013	9.605147959	6.354715994	3.184866694	4.172149138	1.26902834
7.263946748	4.124858738	5.046950545	8.686621273	5.690526076	9.20430571	7.50229101	4.270894803	7.40056359	12.10011012

4.94105685	1.26418169	2.297119846	4.504780418	3.651806471	7.274340263	5.475237828	3.249645317	3.536435226	2.899698218
5.423189147	1.520853431	4.282810008	5.112813482	4.460208301	8.958956489	5.781385523	3.208447835	5.066580372	5.370005778
7.477947685	2.732303315	5.105968003	6.771096016	6.548665808	9.811385115	8.200590258	5.189471856	8.741585914	9.858688952
6.796495029	1.067737979	4.123177844	5.604153922	5.539614607	8.928174025	6.784899677	5.356965092	6.270190866	6.357624473
5.807992387	1.426881742	4.017560366	5.932914375	5.487054781	7.717599813	5.315146125	2.932556977	6.034036634	5.350596401
7.016693374	1.716194279	3.080399103	6.934653248	5.683874487	8.920522314	6.170568653	3.383368207	7.29824648	8.878974745
5.460860105	0.634271451	2.891628126	4.31697024	5.693890882	8.177870326	5.434655255	3.253289885	5.950171607	5.136784038
7.553587329	2.142387137	4.072880639	4.996357523	6.561210976	9.629884023	7.234872745	3.85203553	6.076419936	5.91616683
7.611048632	4.708314666	5.829531836	8.82036873	6.523801786	9.638435767	8.009411313	5.387981228	8.071949398	12.38520202
7.419179036	1.948065509	3.754213811	4.656831542	5.583136492	9.644901107	6.993906526	4.181743124	7.065148656	4.464578093
4.81432078	1.115652407	3.708086447	5.217205271	4.751755095	7.257791035	5.75605547	2.987323739	3.383732478	4.021128859
5.719310763	1.058922891	3.807586553	5.350022479	5.135405597	9.441888843	7.335948581	3.996000563	2.96173595	4.278298616
6.925839826	1.39378196	3.002847623	5.288363535	5.526807064	9.228422775	6.096877451	3.256165754	5.489901523	3.702260456
5.241781284	1.240674838	1.890735117	5.147378204	3.747274366	7.847571312	4.987909411	3.033278269	6.019189269	3.176009259
2.688661292	0.396223128	0.967397223	4.563239264	3.862917139	5.766429202	5.440901133	2.905707974	2.973420138	2.205079778
3.802076899	0.395348065	2.845522213	4.301350038	3.494637408	6.959090505	5.880357422	2.440368842	4.676132205	0.721747487
7.481430412	1.02713204	3.540033689	4.971870497	4.795176401	9.833433415	6.243015414	3.513601699	6.971799799	1.402191391
7.688773264	2.356527423	4.00296312	5.193963723	6.523672864	10.14806752	7.493384746	5.098505491	6.26949267	3.105112436
6.451198164	1.227520435	1.966146915	5.31617922	5.160913916	8.459264564	4.481493648	4.105547487	4.393956949	3.496281694
5.998358812	0.66922352	4.309445478	5.375917767	5.083082018	8.417525517	6.986367655	4.061041466	4.603327112	6.254378336
6.350462066	4.251222115	4.620472858	9.466033854	4.626243906	7.617350102	6.320555077	3.349553323	6.902376801	12.44826993
7.715434388	2.96208534	4.635496543	6.471242211	5.80860111	9.800059913	7.06893962	4.38609536	6.114882126	9.649736125
7.520262646	5.26298043	5.562669935	9.2172841	6.048046188	9.559039487	7.368138517	4.95539976	8.565529952	12.6738546
8.863734545	0.910175826	4.196633034	6.744532701	6.695774148	10.79116963	8.629797335	5.377841357	7.740928288	7.266664024
3.455043725	1.669060965	2.438937317	5.650864877	2.862162855	6.536889667	5.804797521	2.558715176	1.764313484	2.568088816
6.426179597	1.043445884	2.465753084	4.575642193	4.732175904	8.750598609	6.258815805	3.926577581	5.34835613	4.392262348
6.370612059	3.394437235	4.440101272	7.026002798	5.659942756	8.316750876	6.813433362	4.649446185	8.106651579	10.27949877
7.083932709	0.887860799	4.035269798	5.991090856	5.927324997	9.102658718	6.872709256	4.690850011	5.574520974	2.227434446
7.083187723	1.210252626	2.870565103	6.275602415	5.388002512	9.795024058	7.108829023	4.159919974	4.290867308	8.238754011
8.296324529	1.987122748	3.893837766	8.292502482	5.204262551	10.75870305	7.054800082	4.375896034	6.460725397	10.36313489
6.160015183	1.501296851	2.189735131	5.852380242	4.942293226	8.218824625	5.639122949	2.852864162	4.418015576	4.066954039
4.964346316	0.527577286	1.874332128	5.264792455	3.580530646	7.667352385	5.370036917	2.912244156	4.892819015	1.845681094
9.468370621	2.326764277	5.072799334	6.43058213	7.251093479	11.46679797	8.653706348	6.160548094	4.013065843	6.440224607
5.926076043	1.421249519	4.274243693	5.378171561	5.552754647	8.096191106	6.883179822	4.2549296	5.673914941	6.661075156

5.486892626	0.982730683	4.229546534	5.149078381	4.355672856	8.395560603	5.968549887	2.958043724	7.11208857	5.389985422
6.450595235	1.419587599	2.318779842	4.838595884	4.266598651	8.821896487	5.483634637	2.93464351	4.379480134	3.41096196

ACTA2	PRKG1	PHC1	NOS3	CAV1	ELN	SERPING1	COL3A1	C4A	LUM
8.559332581	2.471707301	1.985921062	3.726958436	5.911816433	4.551350048	8.518632229	10.25806239	2.854827427	8.815968508
6.090040652	1.747203195	1.942299275	3.825204048	5.548155824	2.838478173	5.294499076	7.771559975	2.552914514	6.95771348
8.91106259	2.466343222	2.261716316	4.622586291	5.656318701	6.195003268	9.438125819	11.42660459	4.228272384	10.02375986
4.533928764	1.256333416	2.184050349	1.841722344	3.941759697	2.362271551	4.203524827	5.956113119	0.350062858	5.2177971
9.491065604	3.3595593	2.81778758	4.478227872	6.523349566	5.186456431	7.975378019	10.03209601	5.245814115	8.521658426
6.663062149	1.619692361	3.124966518	2.248313479	4.634150484	4.348629075	7.395280617	8.276617272	2.33542624	6.995958761
8.747290162	1.959588812	1.550869487	3.387768428	5.275042044	5.183636397	7.877538835	9.226520553	2.562968399	8.185648606
7.274745092	1.623795372	1.449385753	3.170853661	4.727729173	4.796551768	6.603921052	8.206197673	2.231346398	6.997891034
9.831715235	4.335417495	1.879007448	2.498603495	6.991989778	5.731155163	8.344335529	11.18999751	3.108918309	11.10654561
5.780863548	1.282790938	2.897708106	3.349727889	4.226525153	3.279990073	6.065128083	8.050140532	1.726807847	7.33351509
8.713851873	2.778189299	2.595017432	4.079425698	5.250391546	6.4311875	7.440913625	9.586180984	3.742885791	9.150909588
5.925318246	0.647173634	2.393993218	4.637090569	3.633282695	2.736338045	5.864929941	9.254026203	0.64279404	7.704475915
7.383461735	2.348564168	2.987998653	3.151235097	6.951899155	4.575976926	8.16180486	11.06317486	2.093150086	9.256762964
5.94275667	1.751681286	1.168675896	3.911166607	4.924680907	2.896716592	6.792775962	8.265572821	1.008849208	7.370615085
7.341031067	1.344371444	2.3305758	2.107119096	4.17549786	3.336930401	8.549352978	8.117980426	1.480139721	7.899254946
8.413000841	3.219026005	2.124608881	2.827043021	5.031419794	4.845723529	7.518460537	9.783682061	1.543873161	10.05907544
10.00939424	3.877418705	3.185772889	3.982205573	5.746899613	6.905508015	9.051750592	10.95135241	4.836814124	9.68874111
7.12159112	1.372622353	1.545194806	3.248965547	4.560397318	3.072782058	6.859540858	8.11060689	1.382691893	8.693569942
5.828792889	1.766699935	1.269311721	3.714769785	4.390244517	0.941616263	4.605085411	7.342048877	2.06972123	6.814150966
7.710599315	1.783578609	2.158904355	2.54558551	5.045675519	6.06046086	6.528075826	9.410798214	1.239108341	8.421213119
9.132138165	3.158785432	1.933935179	3.353881747	5.793021442	5.475482425	8.024565513	8.889690657	3.61943416	8.311843318
6.41215168	2.258718399	3.474863819	4.292144862	4.407632033	3.21626545	7.796303673	10.04177118	2.098035263	8.06524102
6.027876805	1.487354918	2.723374819	1.959865093	4.4106754	2.595621767	5.091210036	7.846858098	0.210259714	7.323925598
8.46779153	2.577713756	2.51247661	3.144849737	5.171812729	6.079937905	7.818117681	10.72634091	3.502848619	9.020450706
6.645534769	2.228143652	1.37877388	3.123299276	4.439597533	3.583198479	6.46138539	8.307467019	2.381134174	7.603673485
7.399260791	1.670038628	3.275813659	3.340519696	5.726466074	4.478055735	7.468117985	8.139103759	1.989013607	6.974182715
10.44404752	4.572254253	4.00342262	4.232413897	7.324685393	7.230107123	9.380915289	11.91437914	4.735018888	10.81991835
8.80569758	4.175567099	3.042724447	4.681349373	7.054637712	6.471026976	7.462069424	11.07432422	3.9799252	9.563248634
5.500366806	1.711533544	1.223591309	3.544732423	4.508322342	3.130114002	5.467059391	6.382789248	0.575338701	6.954598004
8.20651435	2.401708656	2.678438407	3.861107855	5.292843337	4.449361825	8.060001431	9.612221736	3.309553505	8.467629642
8.058556551	1.996776243	2.311166248	3.576197081	4.973026994	5.276378309	7.975197334	8.443134029	2.73801074	7.824977368
8.822985345	2.893079284	3.095843401	4.163893422	6.077244498	4.975183939	8.729339709	9.051362567	3.776404169	8.614700381

8.342085657	3.576301804	3.772614521	4.006077381	6.17845255	5.456730102	8.712334215	11.77510609	4.277312946	10.32509918
6.403562244	1.595406775	1.785067592	2.942843173	4.16340895	3.331546931	6.173847611	7.922025392	1.837220008	6.601892505
7.819143106	1.636603081	2.380860483	3.628279543	5.179081863	6.490416454	7.889954477	8.841110235	2.796662686	7.892013317
5.654949083	1.604041533	2.821347358	3.088073416	4.876397683	2.539295704	8.497373264	6.908071652	2.239479272	6.089031033
5.893597211	1.730196618	2.774790916	2.749763803	3.991469095	3.191091712	5.397531519	7.019794979	2.156059988	5.920472206
6.458513738	2.089536122	2.41183398	3.47433338	4.457550244	4.700898827	7.143288227	8.201682145	2.747963234	7.048166555
5.687779768	1.320043997	2.583781122	3.177326436	4.084168418	2.10821147	5.523919699	6.96139315	1.770971956	6.316894407
7.269430874	2.245791858	1.898065668	3.497083591	5.38487713	5.228804578	8.392999447	10.21413658	1.913021803	9.978016376
9.463191796	2.573133651	2.312039638	3.741443415	5.809230737	5.690817815	7.879762184	10.04821273	3.849049939	8.471069397
7.021105637	2.301647072	1.734324837	2.565060266	4.712780934	3.652181246	6.653062098	9.592103452	1.313174815	7.356728182
9.22276179	3.103087735	3.032420518	3.219780902	6.138434049	7.605290082	8.529616306	11.72600229	3.014069094	10.4957985
7.560937434	2.796295483	2.164111173	3.445532989	5.667627785	6.431539751	7.515959881	9.670118214	1.956819695	9.535512434
7.520911137	2.270974837	2.267640994	3.119666231	4.597931873	5.444225538	6.949062028	9.443329043	1.739253503	8.800581252
6.261294412	1.748330646	2.403785769	5.697033986	5.259391883	4.575248096	6.051783758	9.03885785	2.052833346	8.241652615
8.067241397	2.27250676	1.738810643	2.966423376	5.623798141	3.837823655	8.117592024	10.54819912	2.48040643	9.325382643
6.820809429	1.713289795	2.424989723	3.841362372	4.154683609	3.166037067	7.355339765	10.15360266	2.195950539	8.572512198
6.413179266	1.82512735	1.091456844	2.425985031	4.134314825	4.504718213	4.85054234	8.239179473	1.440343678	6.618354457
5.917401172	0.538121021	2.543252612	1.390327935	5.050636352	2.820278407	5.867061602	5.579564395	0.47300026	4.536734227
8.434970853	2.239227836	2.519965588	4.461783733	4.520738429	7.175081238	8.370689993	10.20378852	3.252641791	9.36436989
6.741702976	2.393318866	2.741214379	3.617816024	4.736874906	5.27338761	7.614513922	9.169419162	0.647307508	8.915263372
7.863501841	2.357600288	1.593396403	2.764318625	4.692523737	5.110810696	7.209939003	8.430268513	2.559771989	8.686523201
8.61560825	2.935038398	2.377040401	3.433957814	5.176163756	5.669939444	8.89445081	11.26947044	3.973396918	9.165609178
5.828117103	1.269702575	0.999677002	2.571034062	3.840142268	3.486790305	5.385286969	7.117142878	1.802709212	6.779184799
6.48726603	0.860874452	1.133655517	3.731445022	3.934285629	3.641287257	6.195049356	8.629997589	3.791614942	6.578732869
10.08044301	3.609864078	2.800479149	3.771351427	6.806304795	4.897461768	9.179645943	11.21085931	4.139720671	10.24709744
5.529565793	1.337247751	2.89099376	2.411349103	3.938962055	1.361313808	5.44549438	9.545392747	2.299319614	8.051437724
7.642971655	1.936638446	2.045510351	3.756734075	4.580244234	3.572819741	8.806921201	10.22815391	3.712685723	8.461851772
9.222908149	3.258915022	2.362744288	3.305447306	6.717226487	5.576322883	8.583294488	11.34919039	2.76340716	9.896089338
10.01260881	3.533212853	3.176516471	5.178849955	7.438939951	7.161930883	9.801997784	11.67352788	5.118552796	9.888206255
7.640758327	1.846526724	2.015680934	4.022280105	5.219326532	5.246292341	7.924858152	9.174423172	2.766234962	8.092796971
7.417790008	1.490395393	1.982596397	2.548124822	5.906102023	3.862143994	7.217021348	7.09287373	1.71884084	7.200624368
7.209823411	2.213817815	2.916444836	2.955302653	4.84530805	5.490416568	7.517219953	10.0741384	1.519272373	9.231466203
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7.544599557	2.089923608	1.400154235	2.69255861	4.690582839	3.043707339	7.353472421	9.951724096	2.044762923	8.281571578

8.115618436	2.411388101	1.907806685	3.84815882	4.970847007	3.535914414	9.244672083	9.978512538	3.376786038	8.627048015
4.115418022	0.614273015	0.736470985	0.760087146	2.553652832	2.54293034	3.7799362	6.221665201	0.860721291	5.573563789
5.683459182	0.805771673	1.767767354	3.358977299	4.39147127	2.577914534	4.613835292	6.565677406	2.719877855	5.251374762
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7.273714289	2.358980178	1.931492589	3.196039419	6.174866521	3.532560804	6.25932328	8.524932539	1.364044846	6.604847937
9.939181054	3.261801501	2.974714079	4.881159617	6.356201919	7.067506459	9.84535988	10.6655744	3.799705928	9.403763096
7.312231692	1.404282441	1.324777953	4.126240172	3.920416467	4.835633532	6.369239008	8.415915835	2.146424668	7.155487036
5.466248972	1.553276273	1.200887165	3.82928083	5.390830278	1.978230166	6.177240593	8.761259569	0.296786594	7.019253779
8.459185101	2.353017574	2.364369629	3.4484796	4.88555011	4.685703804	8.036088697	10.56057136	1.636880997	9.383242373
7.266851298	1.504996672	1.490666232	2.32261382	4.732146425	4.380593025	7.743284824	7.895194787	2.088815311	7.733248101
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7.164219802	2.71355483	1.802894341	4.096529597	6.761375374	5.197904455	6.790181649	9.28996621	2.614205626	8.414653893
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8.398850737	3.20473788	2.438987075	3.908934804	5.785984167	3.873803093	7.78882081	8.632673202	3.884918676	8.748597463
8.462360646	2.599589372	2.753527533	3.899936827	5.627503867	6.155840757	7.560863445	10.1699343	2.906169869	9.475918725
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6.596661447	3.135471576	2.362621561	2.393958041	4.724781355	4.217923856	7.401537298	8.274967973	1.999691379	7.343119724
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7.811616373	1.511483556	2.178889925	3.038872742	4.698012499	4.130310641	7.755045487	8.589119359	0.980360035	8.05972967
7.028669525	2.571321752	2.904634944	3.41676808	5.270215843	4.779888737	7.978712355	9.223342081	3.564333482	8.119344758
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7.206514163	1.2539771	2.20419432	4.796075982	4.604708011	5.086560186	7.094332361	8.526254479	3.449917947	7.281877287
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9.607325522	3.62215923	2.647427765	3.365426648	7.184312887	5.441365738	7.557700283	8.928594522	3.720293583	7.74324688
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6.1844559	1.912541419	1.437228592	3.380670282	4.206738847	4.220288875	5.349842954	8.290983935	1.545528213	6.72673998
7.420525219	1.544614367	1.797865566	3.494937372	4.941062872	4.213347106	8.388482341	9.835852388	2.443967705	7.907278535
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7.160082786	0.866502863	2.515120566	2.203041182	3.480770348	3.311282899	7.827903348	8.982552097	0.788351401	7.037951673
6.505432565	1.786497713	1.253433006	3.606600689	5.590945871	3.103187564	5.260452899	7.652606756	1.794717693	6.798870839
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5.81674424	1.662809423	0.945257843	3.662249936	4.465246075	3.704439977	4.703691986	7.801750711	2.725751534	6.620997867
6.578532096	1.8723502	2.039987281	2.125323737	4.632533732	2.965796277	6.105863168	6.900000718	1.000021938	6.655412663
6.881638296	1.400232421	2.114367115	3.035956786	3.818393601	4.991459989	6.860564085	7.438967466	0.496412768	6.08350607
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6.847244615	1.657402387	0.894176712	1.629810763	3.72086821	4.790336884	6.241546418	8.497390991	1.929282812	8.187456163
6.631219928	1.492347339	2.735299656	3.473455003	3.271292071	3.063834823	6.5644082	10.43673136	0.920061424	8.434858144
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7.067583419	2.076332546	1.634612425	3.314151925	6.316323639	3.011633242	6.23167994	8.733819316	0.602201612	7.914813044
7.480146254	2.258169872	1.866414812	2.910018234	4.410709452	4.241115652	6.856928954	9.64294034	0.97451997	8.26287097
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3.98440524	0.704386378	1.260900056	2.482539161	3.164348504	1.368648059	2.781793789	4.674183216	0.738958306	4.291094116
4.738281102	0.561101426	1.231782591	1.835487765	3.744670211	0.810020818	6.414335149	6.610132457	3.050635101	5.597894144
7.089655467	1.330112745	2.388297113	4.104908738	10.64386628	1.044770083	7.468587683	10.01180852	0.899992792	8.452006561
6.89430979	2.720510451	2.051120405	4.873997714	6.352299282	3.431476943	7.008342283	10.75364352	1.660192202	8.580526034
6.578459193	1.650061897	2.281962888	1.358033435	3.703460085	3.639316343	6.144490729	9.490874476	1.207112111	8.473434154
7.73295931	2.760152673	2.494945518	3.288001848	5.553444122	5.562156427	7.021869466	8.958444981	3.449044695	7.879644999
11.69805931	4.88649019	3.667231204	3.126344632	8.705205797	5.362890092	8.080410741	8.679330851	3.815548837	7.855807019
9.344879462	3.533813433	2.783376724	5.685656148	5.89022486	6.815606449	8.759744377	10.980313	3.594762836	10.01753501
11.3185631	4.832189967	3.967830023	4.119078493	8.396608122	6.379627175	9.033160314	10.72797272	3.52103904	9.858225805
9.110864749	3.535790435	2.884615559	4.684969826	7.04423436	6.766841484	8.724392322	11.81123944	4.053243319	10.17257789
6.06275186	1.262089277	1.319873145	1.637746751	3.0331706	1.181846767	4.633111132	6.172302237	1.188172835	5.241965314
6.690632238	2.08313087	2.04876127	3.467163767	5.294002691	5.194633648	6.531929354	9.815521068	1.884489452	8.036210849
9.425208068	4.141812235	2.916835658	3.476899741	6.826732823	4.899456113	8.051488291	9.595960925	4.767003269	8.993240438
6.799777182	1.920284494	2.628722959	2.627915725	5.14433164	0.408960817	7.559441814	10.41999991	1.685179448	7.903794059
9.389463734	2.39629179	1.925492108	3.795332774	5.347557313	5.874141674	7.957478335	9.779811977	3.650969624	7.899908403
11.15372467	3.443934923	2.435439297	3.422950787	7.741003742	6.163379976	8.380500768	11.21154319	3.557314265	9.883258504
6.519352415	1.255630682	1.65596184	2.723477514	4.39472816	2.657980239	5.473540443	9.199778572	1.041303689	7.546726715
5.561310802	1.581292214	1.190744736	3.223471051	4.284689463	2.389139685	5.670854698	8.023900643	1.447492158	7.947468621
9.005660451	4.284890416	3.058476692	4.391303635	7.004081203	6.420581626	8.869514933	13.45272569	2.800935721	11.13257525
7.681013767	2.216162265	2.871642661	3.631824359	4.412153622	5.257385477	7.583532493	8.953493903	4.064841249	8.366111138

7.399117181	1.349922761	1.396333299	2.640216459	6.375321483	2.750946671	9.674273092	8.457551525	1.414321103	7.744295141
7.362233674	1.149666625	0.771302691	5.002799808	4.054831222	2.710351928	5.493990046	9.296899258	0.836450862	6.615522108

FN1	ADRB2	ARRB1	COL6A2	COL6A1	COL5A2	PIP5K1C	NID1	HSPG2	TIMP2
8.653939384	1.274972229	4.960857225	9.016528334	8.622281296	6.91272365	5.435059795	7.530135515	6.886089369	7.79554828
6.654405338	0.609671281	4.70748169	7.363906785	7.259594788	5.614944831	5.010892284	5.672715245	6.877914853	5.963856613
8.208414438	2.126201711	4.488979359	9.755319967	8.9357518	6.839817349	5.588032497	7.217085856	7.592384599	7.87532236
4.073786022	0.45783643	2.313690102	4.787213336	4.538294644	3.891076108	4.12018106	3.760660192	3.768874487	3.898081509
8.870192087	1.738378372	4.079481712	8.782997397	8.021770866	6.771634633	5.93173297	6.460309099	7.260844698	7.045270588
9.284160329	1.712376477	4.360778174	6.825964392	6.484598641	4.61789846	4.355159362	5.901201158	5.44343842	5.647686559
7.076223124	0.723174327	4.362110028	8.319063801	7.337538871	5.996213949	4.749936445	5.264008348	4.96655434	6.69612387
5.748904931	0.738456643	4.761196922	7.64601852	7.726438944	4.899627456	4.513563711	5.983913088	6.237545209	6.472086709
8.164234814	2.236548538	3.481900369	8.013172297	7.903141566	7.404108649	3.824643096	6.268322902	4.996420574	7.312883495
5.456061315	0.48935231	6.12255199	6.429830818	6.269801293	5.030984861	5.555754747	5.434938902	5.804942355	4.8577078
7.946510281	0.735758845	4.141624698	8.356804966	7.535835512	6.016882866	5.513550569	5.476253222	7.433925801	7.549049799
7.203920041	0.052449326	2.958513661	7.501229028	7.066526492	5.441865033	5.105991479	7.313620873	6.496153241	6.87751426
9.383505484	0.578596926	2.701519079	9.013995444	10.42522446	7.734683	6.256730069	5.766928991	6.595133981	8.02575759
6.022275342	1.145746138	5.226623781	6.918749481	6.518251872	4.942737457	4.262962157	5.951889328	5.684173499	5.323869376
6.275684502	1.171088938	4.036235361	7.13379881	6.784300631	5.398832232	5.324443949	6.078267427	6.303590646	6.445110249
8.874025253	1.534922156	3.512763315	6.986070715	7.044914858	7.390164376	4.600932912	6.806844867	6.474922556	8.366263074
10.01535264	0.866654797	4.218432659	9.228732379	8.489168299	7.738686118	5.944938253	7.026233175	7.751335229	8.608864799
6.251471478	0.799750002	5.665132796	6.379441064	6.165225088	4.57077662	4.226797233	4.028092016	4.532087956	5.685500179
6.064838145	0.237457051	3.436143907	5.621721624	5.959585627	5.235366346	3.479375521	6.179370901	4.124551533	4.840392564
7.429306092	0.921590087	4.327842476	7.616984893	7.470339645	5.839213512	4.266696336	5.650300933	5.033633927	6.483606932
6.80316332	0.728790928	3.706265975	8.15139554	7.176115609	5.636635425	5.043078683	6.344666693	6.183494765	6.887146911
7.958101518	0.887687394	4.589419861	8.639482418	8.551197893	6.59366174	5.26336374	6.413416419	7.097555876	6.485004852
7.728537251	0.285060164	2.911805563	5.993496097	6.145817321	5.013295483	3.573651468	5.493773386	5.664304158	7.254122292
8.741481204	0.641065651	3.402875564	8.85166572	8.430688285	6.751787524	5.292095679	6.61744992	6.034612915	7.651289667
6.446409932	0.421062963	4.341145508	7.25003383	7.214377064	5.99241056	4.791347899	6.170248969	5.995576679	5.448268533
5.749878491	3.935417241	3.40590018	6.924261628	6.688854609	4.623925443	5.35999705	5.448228143	6.100979139	6.370733051
8.753489724	2.655468632	5.000686287	10.13227365	9.722744213	7.873420507	6.380477826	7.629861174	8.377994615	8.915968944
9.214987414	1.893994804	5.188051896	8.793560464	8.521657427	8.103095895	6.049410798	7.962671047	8.68940284	8.367429558
5.002650627	0.259206142	3.747782785	5.70572364	5.477187262	3.934196406	3.222621993	4.682358522	4.493262338	4.644081428
7.617840303	1.624042756	4.089139512	7.928971443	7.445990118	6.475343489	5.301865788	5.806924404	7.343276344	6.938784031
5.495069729	2.429149772	4.062896705	7.888164528	7.260035929	4.965379346	4.950181373	5.818533454	6.207603248	6.81351675
6.968331224	2.061133918	4.737227451	8.389778946	7.981546064	5.555647649	5.657421356	6.645567337	7.923296191	7.051107804

9.444211307	1.508246813	4.387209297	9.526396635	9.515537035	8.430180207	5.7267327	7.666639255	7.558152908	8.537719364
4.358779186	0.888782233	3.730282137	6.519202146	6.081838624	4.733830023	4.494788063	5.22130934	5.647620608	5.591764526
7.492927318	0.709424155	5.34052534	8.146920167	7.918405992	5.580923199	5.782412475	5.551729408	6.653930582	6.592825657
8.144458535	0.379553882	4.236316825	6.180963732	6.274372889	4.446378514	4.95031045	6.976508093	5.991927654	5.918973663
4.467426936	1.238413931	4.307742754	6.007229016	5.446012409	4.378541454	4.863904918	5.026906847	6.093212477	5.136521939
6.536994188	2.298365711	4.605456041	6.937232871	6.974828855	4.97229944	5.185238916	6.018740016	7.666481945	6.537866193
4.298413958	1.000291449	4.874290016	6.101321944	8.645699244	4.519712461	5.506920034	5.22902406	6.612507461	5.406079918
8.520616462	1.237311095	3.890502999	7.842058588	8.108238516	7.020091456	4.665185244	5.841455975	6.802079834	7.895301673
8.075032305	1.371771017	4.261497829	8.687062436	8.090473322	6.520848275	5.762146565	6.259268987	6.707408049	7.122713136
7.75358654	2.646613195	4.311042449	7.638092381	7.439369253	6.641995217	4.43216487	6.45050504	6.703744842	6.671383718
9.763616106	1.100527948	4.57045399	9.492660743	9.047940131	8.168704141	5.570142912	6.854950535	7.437430407	8.903324392
5.8011957	1.355417374	4.260756076	7.44390021	7.135691298	6.227433208	4.800825428	6.207982515	7.149472058	6.396874159
6.598274195	0.866115163	4.185585942	7.749074779	8.749290008	6.567456186	4.972885273	6.362220887	6.90814806	7.055450334
6.592215286	0.321774282	3.279351462	7.352723654	7.118520887	5.956763692	4.24619726	5.4967998	5.854640657	6.311983334
8.90058118	1.003166915	3.972295433	8.843249001	8.310903467	7.366592687	4.877330663	6.703843433	5.959595333	7.533397959
8.059533675	0.481429827	4.017137221	8.294617276	8.102665376	6.786438652	5.500506249	5.392579357	6.208564246	6.884242817
5.621758768	0.275675492	4.31450261	6.734773398	6.770936738	5.780843596	5.114584537	6.168978263	6.323279882	5.9003737
3.63091157	2.780228044	2.542542553	4.997979455	4.525489067	2.611344431	4.721357596	2.681171929	4.702123552	4.64011864
8.181701493	1.562744333	3.645251271	8.038228314	6.907809935	6.99148836	5.614770232	6.311438653	8.301060642	7.655074805
6.623858901	1.590531572	4.119049323	7.594073208	7.545464456	6.002413169	5.243284131	6.234926916	7.49938485	7.01167599
7.495801238	0.971082765	4.441123603	6.581246356	6.430394777	5.662325936	4.535640632	6.023118289	6.096564852	7.252659888
9.697645938	1.409219321	4.611658831	9.085061815	8.523721352	7.809761305	5.762920671	6.37219199	7.718879648	7.746143332
3.751788217	0.486199408	4.703420488	5.644887089	5.426591628	4.590505936	4.253847779	6.347857555	4.709974298	4.456155918
7.526254701	0.968831122	4.032742452	7.734925595	7.162332123	4.978775374	4.585377526	4.962800216	6.239132523	6.339373355
9.98711295	1.630968488	4.30341477	9.012565641	8.847682133	7.886708288	5.482544624	7.396644985	6.91047998	8.49636877
7.247592241	0.224529235	4.846953428	7.725986457	7.743137998	6.450143018	4.453812756	4.98149894	5.526562135	6.098581575
8.689986459	1.064071874	4.053657875	8.988496691	8.663977066	7.14887293	6.241789762	6.020109949	7.154965029	7.124988566
9.761262625	0.857125975	4.545494824	9.754283495	9.328206526	7.762312328	5.495628729	6.911846577	7.355924102	8.802980466
9.526565625	1.94285973	5.139966259	10.39565332	9.910201379	7.765824982	6.295464783	8.082725226	9.349031642	8.846177143
6.484530667	1.354406732	4.927969146	8.432579498	7.945889845	5.988283422	4.937185894	6.707505056	7.04406913	7.211042335
5.901971548	2.496054663	3.890441651	6.457125639	6.166102253	4.122141662	4.520291988	4.71753699	5.372969646	6.461252122
8.274819177	0.48198719	5.164295058	8.088642088	7.667040481	6.854910821	4.567835322	6.660305421	7.41749336	7.462092194
6.647257875	0.349217665	4.44139147	7.931220241	8.440657542	6.330132106	5.276718613	6.812182395	6.411282279	6.614979635
8.463902823	0.519998564	3.15392599	8.643343458	8.696139112	7.105988224	5.477170714	5.684418878	6.728076551	7.179926937

8.418906922	0.846475949	4.242793545	8.915548074	8.488734002	6.926000618	5.600971519	6.064287642	7.142110611	7.055492659
2.154941658	0.073954465	4.528998748	5.17403262	5.213227426	3.641443706	4.001313358	6.036843842	4.567306893	4.747763021
2.853273234	0.376080776	5.731850516	6.629067244	6.642363945	4.268476104	4.986123764	4.342883084	6.113370651	4.27492078
6.233130533	1.128461869	4.318780879	7.016595284	6.324891243	3.706172181	4.995726643	5.359367857	6.079342381	6.343945364
9.362518732	0.512704101	3.580389045	7.330205137	7.475130875	6.706304093	5.093158511	6.794388515	6.989643162	6.146685405
8.488589494	1.146746272	4.479660005	9.001875526	8.402498418	7.274064197	5.455347786	7.491048794	7.951010553	8.14648372
7.355663065	0.417342037	4.939215252	7.882161181	7.535396284	6.637488757	5.315003291	7.236983687	7.881474093	6.069246273
7.701350245	1.761779852	4.316039079	9.622033035	8.965987252	6.868223407	5.96227593	7.398933573	7.949363773	8.436586648
7.48197941	0.317376893	5.151814857	7.051784679	6.299524018	4.955742359	5.119951155	4.840644757	6.426524355	6.510931256
7.688073865	0.680397993	4.085330543	6.630896359	7.085821997	5.906148232	4.456753266	5.354753533	6.560023195	5.761794066
8.002576934	1.106864871	3.870144648	8.645640167	8.062602313	7.236393948	4.999192495	5.812763216	5.395855317	7.327875293
7.412963215	0.714024862	4.39578859	7.324096651	6.694569469	4.828908363	5.320917875	5.136632099	6.458330068	5.959983993
6.479277504	0.177072205	4.195912245	6.794833267	6.241733344	5.147189818	4.467528446	4.791689226	4.530541685	6.969146976
6.388545806	0.60268179	3.915033637	7.045428301	7.217688955	5.653476594	5.223524703	5.880468955	6.225950457	5.519073127
3.931739361	0.994088698	4.474088557	6.587324089	6.872975229	5.102160728	5.234097145	5.522046594	6.610734702	6.270710601
7.671247895	0.092866575	6.373225747	8.036952183	7.882165895	5.736130243	5.495073158	5.151700034	6.707471591	5.652319893
8.234897742	2.544941688	5.170933704	9.925414408	9.183530213	6.556850843	5.60476188	6.305860268	7.497782574	8.425181889
7.751165212	1.018732078	3.558109396	7.95303418	8.663901911	5.519777027	5.402227778	4.772191814	5.559811292	6.208845444
6.729337125	1.087053793	4.936023637	7.812514956	7.883622397	6.16180543	5.491505203	6.482454609	7.873430865	7.171730192
7.992849495	0.999761489	4.419724695	8.961979877	7.845041732	6.158049582	5.756555327	7.817565239	6.575174682	7.98084473
7.24223373	1.506758782	4.272421504	7.964532113	7.47242633	5.609791175	5.820977473	6.331329416	7.458389616	6.913990661
8.238912647	1.183162731	4.171734572	8.927624661	9.356448881	7.617547162	5.856092715	7.324599809	7.834284607	8.596167525
6.770185505	0.853811502	4.07668711	8.4170171	8.255978391	7.255711546	5.027154192	7.575897111	7.374435165	6.818895782
5.926327124	0.67855344	4.881481868	7.151077531	6.850453103	5.662829964	5.192401787	7.502695406	7.118548572	5.781425436
8.748716767	0.388866526	4.51734295	8.288199592	7.799689918	7.233453091	5.082555746	5.774401794	6.254110498	7.877602266
9.429989566	3.546330072	4.373169884	10.39720044	9.8436453	6.666652829	6.993480496	8.189094687	8.17551563	8.602607776
8.23935106	1.438995115	4.3960786	9.172865055	8.554790656	7.38498361	5.708992709	7.187496234	7.534366995	8.432399091
9.677079349	0.346828482	3.442013333	8.861636996	8.407338866	7.282761461	5.093493894	5.604435255	7.277222902	6.955318781
5.902285459	1.285156255	4.229759621	7.800042009	7.257700392	5.644591196	5.162324204	6.327326984	6.423654803	7.390134329
6.548653513	1.127075293	4.431723185	8.373938808	7.743207262	5.640245243	5.719467906	6.749926698	7.242966576	7.556705844
4.416111224	2.214217847	4.772284952	6.371101215	5.84043641	3.872750836	4.183733968	5.500478686	5.930596232	6.26521554
5.006110155	2.426360421	3.458412728	7.102357697	6.327645614	4.303013978	4.660504836	5.355975798	5.54336142	5.656643389
11.12206595	2.288443151	4.659816494	9.727269952	8.923072671	7.413454653	6.106964379	7.986019218	8.11625602	8.140515105
8.899438361	0.624571301	4.084414574	9.094704585	9.441249405	7.558781912	6.16206537	6.812987534	7.830604311	7.710436052

6.147435308	0.491016658	5.192764285	6.826314843	6.930149982	5.587799691	5.243321173	6.110976744	6.723094664	6.871507127
5.756346168	1.649820862	4.75603282	6.864262583	7.73018507	4.777617935	4.988917334	5.587597631	6.809434353	6.20610471
7.837615139	0.601677045	3.378595429	8.67959493	8.431429139	7.22887672	5.300435531	6.42579855	7.550754153	7.236494289
6.903144541	0.9855168	4.131432332	8.37504884	8.012895017	5.566918438	4.982518726	5.981552012	4.272173837	6.120918647
6.458173951	3.055113804	5.590134914	7.885412547	9.208081403	6.556487128	5.579191808	7.050823524	6.903522679	6.959086772
8.689361866	0.642945486	3.748883687	9.035109044	8.911921177	7.159964276	5.076986174	5.522976273	7.2841594	9.083746239
8.860680864	0.681643531	4.503652426	9.85184603	9.296002784	7.369378092	5.55287912	6.548276947	7.948853918	8.319331592
5.977143506	0.625630042	3.8527276	6.718837669	6.150332768	4.487214593	4.215785924	4.366385581	4.710689101	6.060142185
6.451226059	0.515301691	5.049817907	8.360550184	8.177243999	5.080117163	5.413007039	6.745172357	5.37077617	7.002340042
9.236355839	0.26352703	3.096330853	6.42046615	6.509180139	4.570225675	4.323036254	6.671508943	5.246713358	6.009866926
8.175991436	1.611333829	4.458701015	8.503704085	7.753168035	5.475371424	6.028715459	6.693874417	7.49591543	7.378541727
6.996764289	0.787397914	4.659219647	7.345337709	6.906742649	5.815330802	5.055756821	5.651912365	6.738625906	7.602280456
3.376546414	1.732171159	3.181775308	6.612663687	6.389580163	3.059074661	4.798909855	4.826938514	4.425552386	5.452560536
4.699306213	0.957715338	4.512191749	6.734346459	6.718270081	5.294874047	4.493862254	5.652314072	6.137794483	5.367591595
7.938511959	2.283365786	3.672508716	8.2804505	7.988039526	6.555153312	6.114479013	5.852190402	7.369956103	7.582954529
7.213487768	1.136657893	4.57559943	8.151302536	7.946779599	6.949513147	5.170536712	6.743497374	6.913387827	6.914992222
6.236387374	3.210846572	3.981058143	6.258331813	5.584528757	3.022233915	5.579725856	4.483209969	6.106012693	6.209163833
6.807148244	0.798563233	4.653339298	7.185424726	6.585449298	4.970254816	4.995079325	5.73064952	6.59022906	6.936180676
8.082525555	0.879442413	3.511581213	8.179079186	7.238497814	6.227575207	4.893854632	5.732160731	6.662331226	6.707808889
7.716244723	0.539641023	4.831556976	7.809059334	7.219611689	5.684657211	5.425787727	4.533066887	6.978802524	6.032186627
4.306676607	0.556274326	4.241584785	6.981279466	6.808704735	5.284737245	4.62044458	5.78586268	6.709056186	5.669199491
7.431565319	1.307163833	3.348045027	6.487450726	6.688108233	5.937136066	5.181534764	5.927353984	6.067506387	6.641219119
6.784489464	0.502547985	4.801798752	6.979066151	7.874885052	5.50629326	5.387184319	6.918016922	7.547235864	7.599044498
4.145038737	1.384940535	3.027171613	6.07899065	5.651304095	4.193344077	4.654465538	5.312355853	5.563459508	5.423436864
6.589394431	0.330369747	2.605119397	6.862128982	6.656661134	4.831509742	4.914001705	6.079808673	5.482747312	6.431189743
8.294059897	0.933006492	5.617589883	8.71095652	8.022364166	6.715870649	5.231899922	6.790181433	7.59848009	7.134480533
6.242106986	0.643071251	3.661267072	7.351753474	7.518728501	5.877686881	5.960606847	5.745655826	6.120113537	5.306859133
6.115173412	0.257055816	3.586791712	7.520510406	7.400753978	5.854659095	4.662008774	6.58899271	6.070630513	4.997971877
5.372571944	2.259474807	4.765748287	8.298932655	7.438588603	4.56201176	4.696291322	5.567588121	5.647951307	6.467312529
9.843164453	1.130173083	3.064095055	8.6419558	8.817423198	8.454097326	4.602525847	6.699812705	6.300346056	8.782321361
8.953520765	1.446094663	5.293966588	8.584668638	7.897608275	7.544506407	4.980573973	6.959013518	8.100760678	7.305256313
5.402131243	0.481764389	3.913084742	6.555124684	6.335082633	5.366797329	3.90329919	5.169716837	5.078169331	5.39953129
8.778990603	0.309436736	3.74410621	8.011319983	9.081071897	6.310966129	5.474854905	5.629428588	6.495726057	7.285393484
8.853418355	2.249552019	5.29150745	9.946398397	9.247508083	6.561662059	6.607428264	7.950315058	8.634818428	8.511557825

4.381334426	0.511193596	3.544760518	6.544840611	6.819788749	4.877366599	4.643439785	5.897783475	4.586691709	5.006746782
7.312993523	2.328381063	2.671002336	6.649721328	6.837322311	6.367664685	4.684943914	6.819406891	5.392863406	7.220640666
8.810983493	2.817695416	4.917590743	9.598583885	8.798917892	6.847462611	6.075935772	7.228803811	8.077662074	8.413787509
7.222786933	2.077533028	5.584409694	8.237167174	7.958711288	6.302271514	5.557826732	6.178235362	6.43829917	7.136014181
7.543112732	0.642496777	4.330579255	7.649678834	7.406936499	5.672172971	5.886571474	4.810185405	8.487830002	5.981773547
8.609940279	0.932549988	5.643451566	8.508307659	8.319704231	6.706289474	6.095985298	5.5605792	7.919283547	7.051484776
6.935685691	0.239540597	3.874228218	6.401298152	8.301004135	5.295060778	5.097895794	5.994048198	5.805291744	5.248014395
7.522092122	0.730512054	4.607258527	8.4018643	7.686323334	7.118765824	5.841270392	6.471879825	7.797525317	7.539657868
9.940397355	3.215958956	5.431526857	10.19798698	9.834688919	7.017418678	7.327178244	8.357383843	9.04772268	8.334352174
8.892938875	1.111093199	4.341025498	8.617681916	8.42377586	7.222929976	5.137345079	5.783612722	6.271401982	7.477605824
4.731027511	0.914673902	3.120194184	6.346223012	6.392537949	4.506655749	4.891719947	5.63825821	5.775592651	5.648568018
7.622252691	0.488447307	4.007225231	7.342345853	6.974211384	6.129024074	4.58429598	6.684669946	6.299688073	5.649659207
7.831634043	0.16497645	4.016087374	8.442697877	8.063200065	7.230815035	6.218490864	7.10647589	7.508948981	7.303673637
7.287531977	0.840320684	5.439093685	7.102546258	6.447519599	5.256076896	4.738475645	6.029003625	7.077280696	5.731826701
2.888962057	0.216827578	3.792895548	4.658263963	4.353174746	2.705312232	4.193159623	3.78695261	4.904463807	4.172052774
3.604596877	2.742428877	3.04100297	5.91661243	6.35045642	3.591834257	4.188021531	3.987783483	3.353450712	4.149882597
8.554702366	0.523195331	2.865313658	8.752278336	8.50126461	6.577198589	5.194754538	6.225025356	6.360441494	7.864812154
9.391441606	0.873874098	5.188367391	9.533568654	9.655286233	7.965377868	5.562464658	7.74434947	8.678431018	7.400045794
6.543158498	0.851875172	3.927845817	7.866224882	7.256742247	6.119798212	5.589318759	3.948996709	5.195218971	6.342494982
6.683796088	1.307878354	4.027997968	7.750610721	7.175256926	6.010216842	4.944336059	7.020016833	7.415710104	6.573397947
8.545737903	3.436989465	5.975940267	9.562732347	9.181204965	4.996073705	7.109154582	8.118385226	8.024832108	7.520058821
8.799873401	1.845078532	4.715205529	8.896381795	8.135558178	7.485892702	5.7657986	6.9605876	7.788915517	8.931409912
9.663103121	2.984264858	5.938338329	10.0877256	9.461377737	6.891981202	7.097244422	8.279105759	9.017724996	8.801030994
8.388906261	1.269137672	5.051507398	10.43452697	9.971082281	8.348942049	6.008697354	8.061020728	8.462137881	8.849848584
3.765420286	0.161134201	3.972208265	5.470402551	4.849175708	3.745973809	4.149277298	3.60528099	4.219326161	3.979117309
6.81139018	1.133363658	4.309615043	7.798862202	7.649367594	6.61739322	4.826842184	6.735864582	7.0311878	7.111202064
8.515455499	2.090327381	5.180233878	9.076358249	8.682685515	6.161303686	5.861668436	6.755157865	7.780083363	7.993864582
9.417476667	0.634082919	2.961448374	8.534594332	8.411530699	7.593437716	5.152261333	6.187901678	7.578926113	6.839217577
8.078219505	0.626041902	4.403584012	8.692581305	7.733067751	6.196330433	5.031605294	6.571381409	6.43189485	7.063132496
9.750090254	1.726539909	4.222672969	9.659630337	9.127212196	7.629676278	6.320999912	6.719573299	7.706797049	8.671306037
6.95378582	0.831849884	6.484227483	7.381952974	6.982636917	6.0923339	5.354389212	5.062526261	7.097803734	5.819886798
5.252336166	0.099686449	4.439038448	6.337383684	6.578708224	5.237142702	4.260540298	4.696697404	4.346015119	5.165927323
11.31473632	0.958711603	4.28827672	11.21606045	10.79023175	9.726679733	6.232281334	8.468177387	8.88005735	9.78160085
7.567065168	1.434275865	4.179149687	8.143270346	7.397722751	5.613874749	5.278175971	5.842176716	6.915927067	6.536713255

7.377075947	1.799926268	2.868706968	7.548167114	7.537028827	5.069713927	4.902155399	4.956895824	4.252425368	6.494182713
7.453369617	0.091009377	5.593268484	7.689719907	6.925512762	6.118380182	5.980633784	6.039241494	6.255254944	5.697545365

MYL9	GLI3	CACNA1C	CACNB2	CDH5	FGF1	NGFR	NGF	MAPK10	JUN
9.664852478	2.301213888	2.278248508	1.513782118	4.319024048	0.823274189	1.41523693	0.481772448	1.302148535	7.81879152
7.235176776	1.179983554	0.986548464	1.156502267	5.255220931	0.81982416	0.825902593	1.057203324	0.234843932	7.703600807
9.285110584	2.450322282	2.160697157	1.862277786	6.16056869	1.458496847	7.996973493	3.215113834	1.790743855	8.757909744
4.818620422	0.984944983	1.179215282	2.428631032	2.644382276	0.890018114	0.517610422	0.729398669	0.726830049	6.581869707
9.874897165	3.314372323	3.351465349	2.3690196	5.265125984	0.567615867	3.146394528	1.189431723	1.896265502	8.296186154
6.755927392	1.047615852	0.908233734	2.025345305	3.885948147	0.292996278	1.380099363	2.02261186	0.837189363	7.677677823
9.08564982	1.221338885	1.145882806	1.056634909	4.205603111	0.776792832	2.151655488	1.792103425	1.135773165	7.549194528
7.46970213	0.962081027	0.935996752	0.40451852	4.43235667	0.427376035	0.815765611	1.045114686	0.870348169	7.109710456
9.475915129	1.933762975	1.917571038	1.713867089	4.483260478	2.007232524	4.29881873	2.185985752	3.036130904	6.969542004
5.440424547	0.591581498	0.735179385	0.769961694	4.266400308	0.345403596	0.287363478	0.355650418	0.376499791	8.681177691
9.291964014	1.839843137	2.105629412	1.179042752	4.041437941	0.874397293	3.333010606	1.326392457	1.407271158	5.961230648
6.461913021	1.011785401	0.767981964	0.640630008	4.365711435	0.615081033	3.434137465	1.559747649	0.240996291	8.266642466
6.979403381	2.71558484	1.442307576	0.788796705	4.077996818	1.158953905	1.06995753	0.594481874	0.526137354	7.454624682
6.221473152	1.614694111	1.26362026	1.519485527	4.089619074	1.149028413	0.717988711	1.016109291	1.137265773	5.362088022
7.57295193	0.901656737	0.518471373	0.19725711	2.890471219	0.422709368	0.333009989	0.297127865	0.390683649	7.633175931
8.001731399	2.313413896	1.397219176	1.369371851	4.553856039	1.492214238	1.562576337	1.089372011	1.534390345	7.117860205
9.652002401	2.947570574	3.80238821	3.10260378	5.578113753	1.702468553	4.21226536	1.456284953	1.384351372	8.148494797
7.597882433	0.827628399	0.635474787	1.058261307	3.649851666	0.606455938	0.502166694	0.055600444	0.551092021	6.380441929
5.296388548	0.60623005	0.623883318	0.359180477	3.425151573	0.426363942	0	0.477397348	0.257295282	6.430381804
8.020374811	1.249361522	1.729185272	1.452784896	3.749228806	0.765853966	0.506286899	1.226246907	0.946352476	6.760326294
9.658291011	2.022945577	2.035362817	2.084979419	4.512397631	1.204436866	2.007659915	1.598842454	1.676772539	7.346258935
6.259528948	2.123402037	1.536423262	1.41633776	4.892963645	0.562139037	0.972223355	0.358857738	0.794928493	4.930809259
6.158326629	1.787651237	1.002909108	1.119154271	4.762459522	1.289080337	2.602842722	2.199117666	0.793052507	4.747148416
8.490346619	2.04346714	1.340409947	1.079986332	4.723923704	1.212997822	2.08718005	1.411602858	1.661488021	8.150275942
6.323778274	1.033892899	0.808153419	1.013299391	4.583505667	0.5284902	0.549041381	0.987961803	0.447440109	7.434364534
7.854818931	2.267547139	1.433041982	1.284476833	4.476789744	1.048015596	3.897156342	1.084519195	1.118643786	8.721950061
11.07203909	4.586301471	4.358912099	3.084153645	5.305328313	2.163725135	5.898624844	2.257938184	2.559478613	8.490374071
8.91137329	3.022893882	3.188847758	2.203603032	5.649830719	1.508692925	1.897349969	1.810173332	1.534068253	8.31151627
5.31131808	0.298447159	0.31724607	0.442936383	3.207584094	0.249038534	0.120468326	0.281839177	0.490577795	4.951362248
8.740626156	1.979769024	2.157242359	1.250375641	4.166523892	0.66869987	3.174462061	0.539195091	1.49876321	6.738270782
7.718508586	1.368305697	1.142552362	1.184929626	3.858977679	0.845988665	0.435225439	0.884311812	0.994555001	7.638478388
9.105669174	2.522665381	2.435213797	2.167817039	5.499795214	0.919705955	4.622825038	1.375283982	1.696635629	8.632517915

8.600592433	3.824441307	2.635068496	2.006949862	5.128214386	1.273226717	1.858060592	0.915764879	1.28296599	8.686741549
6.314949173	0.789999181	1.454299271	1.03890929	4.05470167	0.284315841	0.505991783	0.203360631	0.683010023	6.212947209
8.593357761	1.542256262	1.470969503	0.812324866	4.607877377	2.468669862	3.255057213	1.987646783	1.008221035	9.385212114
6.111726909	0.65940489	0.461174714	1.379977104	3.967294933	0.218702286	0.501941859	0.150505156	0.869360526	7.068851493
5.887771337	1.371099566	1.008909803	1.648207454	3.607212362	0.303780446	2.49268529	0	0.925729072	6.495767609
5.999831435	1.181142588	1.284510075	0.904123632	4.714997881	0.413386153	1.155053973	0.448624215	0.746378662	7.037668551
4.839261858	0.789269264	0.737515286	0.814224047	3.505898581	0.293713831	0.535945773	0.206302714	0.37676294	7.636421753
7.338466033	2.272637341	1.390487892	1.381295279	3.982248232	0.79516322	1.128436315	1.097498593	1.755241822	5.266433623
9.743156906	2.421060419	2.941137037	2.219589649	5.345534108	0.805532555	1.58947656	1.623891328	1.788027097	6.701710379
6.995633282	1.307443703	1.796673307	0.795584837	4.661448822	0.635211053	0.673508575	0.351213569	0.439424925	6.609799401
9.325104717	3.736405958	2.496103223	1.425662391	3.962313834	1.78109852	2.346309471	1.097829181	1.397197896	8.437624854
7.05670337	1.300988921	1.034466336	1.416097361	5.126350034	0.982594957	0.383931544	1.059001057	0.980709332	6.710516741
7.279001388	1.957408492	2.117451419	0.942252498	3.812825368	1.042940194	0.586055898	0.228034253	0.905391008	6.571372203
6.374385577	1.280714026	0.973989503	1.13490586	4.304888245	1.623761604	0.189327055	0.496550586	0.582551841	6.567772719
8.409822346	1.904906595	1.477475728	1.01317099	4.11072618	0.82398969	1.429935107	0.287109454	0.749409471	6.436406473
6.422446848	1.578478736	1.188398064	0.783490207	4.069021057	0.869767022	1.339440996	0.334028163	0.666784056	8.072087162
5.787230918	0.58203612	2.43944994	0.482740627	3.847368168	0.754602385	0.214288816	0.547559786	0.288730638	6.892879672
6.190065146	2.108924059	0.39159581	0.47737047	2.300685932	1.1191589	3.357370258	0.100334415	0.484876811	6.770412982
8.59723238	1.948506487	1.512993475	0.85560327	4.674970486	0.627220367	2.608934893	1.506496117	1.62264178	7.228459988
7.69660292	1.76435001	1.391516711	1.110004933	4.820699256	0.683461983	1.867924847	1.03846789	1.288163295	8.914446436
7.358196426	1.489897046	1.279021029	4.602104243	4.557636831	1.155867347	0.86254582	0.986606439	1.182661203	5.897289883
8.898545021	2.711298964	1.923156177	0.940729029	5.168053291	2.373199117	4.682926165	2.600633769	0.936599777	7.598091715
6.37775284	0.429753442	0.244668033	0.501757379	3.359248503	0.493382475	0.516282582	0.255561751	0.394188349	7.248155209
7.934172544	0.928621872	1.626312397	0.562454066	4.216778273	0.457880474	0.302258317	0.891731083	0.324027657	7.587406248
10.03394891	3.486804919	2.835227348	2.464983554	5.605062011	1.685609495	3.34946735	1.777850796	2.427039192	7.832405405
5.647678949	1.088064479	1.346261236	0.974668991	3.58347738	0.538617521	0.15711286	0.091054292	0.110913994	7.891963869
7.819539659	1.925395783	1.218956569	0.677630436	4.560925558	1.406522614	2.228214946	0.831721109	0.636458509	6.959098391
9.859227023	3.22115899	2.868437319	1.526981105	4.769780179	1.486669592	1.859021013	1.61626494	1.563427611	7.566653331
10.32781157	3.58332862	3.769249592	2.183126992	6.868606043	1.914952528	6.532024657	2.92423204	2.908474792	8.250601509
7.977610299	2.016998648	1.491677247	0.750240402	5.146460835	0.823158788	1.575201885	0.896296424	1.374262372	8.183339207
8.032670428	2.146295305	0.725561654	1.006045253	3.401394746	0.423108422	2.859446757	0	1.055573304	6.93451437
7.453426434	2.260743007	1.575120145	0.714727897	3.764853723	0.94746813	0.595175312	0.292662761	0.848965957	7.254286456
6.415113049	1.614798518	4.074223992	1.825084239	3.875629212	1.018270861	1.211288034	0.774842951	1.000760882	7.409525039
7.873130811	1.690320362	3.544604662	0.805719787	3.723947521	1.057603117	1.237732242	0.256521997	0.6226091	8.062226327

8.272537778	2.25617823	1.762400186	1.168036944	4.69362385	0.846993803	1.33509207	0.432890658	0.749475984	7.728140002
4.001953385	0.205253214	0.184611232	0.506993854	1.516968743	0.194325541	0.632109628	0	0.141843433	8.430230409
5.90948657	0.350285774	0.262272544	0.200863684	3.257046927	0.321835346	0.248836291	0.065758472	0.273715226	7.919295022
8.515998998	1.681085933	2.496160674	1.792034895	4.729582462	0.42818765	2.320076658	0.878307106	1.068290919	6.78105781
8.07469409	0.977844522	1.16380578	1.411569547	4.818260869	0.971846999	0.437254271	0.747595535	0.481208797	8.360740852
9.623911227	2.590887863	2.323133628	1.545197938	5.164708956	1.166277156	3.401811031	2.369534838	1.571639785	8.899989178
7.298166741	1.198586199	1.461213163	0.633444893	5.93898255	1.404122288	0.078149246	0.234507637	0.348214519	7.796307282
9.963811648	2.691872172	2.833607248	2.372318267	5.989576793	1.092733169	6.649356847	2.825305299	2.195441253	8.141737599
7.893439494	1.044645274	1.119838582	0.751330831	3.261387211	0.319859126	0.512828634	0.102403295	0.876262446	7.047075212
5.624242368	0.921095606	0.646764656	0.905185229	4.283199153	0.552918895	0.285363423	1.080402009	0.195736323	6.35303041
8.301451351	2.107129074	1.022244413	0.98480606	4.352525117	1.125583896	1.09985914	1.21250674	0.814585771	7.683523423
7.198951976	1.230921879	1.053794524	0.542963042	4.166632076	0.503830143	1.224513645	1.152340637	0.743162555	8.277538404
8.538251684	1.312820846	1.169778102	0.840736491	3.058821186	0.821391657	2.324403069	0.679153332	0.544029789	6.616529979
5.028720427	1.425292487	0.597433885	0.723179317	3.825702934	0.539696377	0.162198368	0.75644903	0.350217756	6.995330561
5.63078685	1.212403355	1.386557542	0.779799818	3.726074971	1.176509783	0.33641239	0.571203799	0.739730977	7.003519091
6.461119542	0.897040262	0.744895583	0.283464348	4.36583392	0.90812449	0.062298913	0.120956601	0.065767019	6.080443333
9.096627517	2.854035011	1.626118771	1.142747558	5.569236118	0.994217555	4.064111572	2.321442833	2.056501162	7.680358562
8.298571633	1.169793127	1.1029994	0.629521366	3.884143772	0.477216684	1.733599854	0.765169495	0.698911017	6.403872206
7.185280756	1.789422369	1.54590945	0.905147507	5.146420427	0.794017285	0.965309541	0.4332705	0.716747938	7.210026264
8.982846757	1.51736684	1.401863716	0.782828852	3.962579482	0.777619647	1.415465918	0.352566426	0.989485693	7.939291145
9.212545891	2.450913101	2.791331742	2.364152763	4.765754884	0.768169011	3.915321671	0.878125967	1.351624258	6.813880651
6.948326923	2.509710622	2.111016403	1.281021721	5.575707378	0.968655677	1.216968215	0.402114056	1.081474271	7.985887953
7.296848603	1.687995727	2.108812914	1.020867481	5.595449165	1.281566698	0.383417385	1.018394746	0.995848134	8.374664054
6.66941621	0.986925101	0.886136155	0.752094437	3.565460056	1.073075765	0.523279881	0.403180423	0.941058611	9.30526705
7.004387515	2.557510333	1.467625685	2.430375687	4.083463674	1.441664756	0.424614758	0.840970101	0.996158465	6.369073529
12.51973586	4.855696297	5.442304188	4.210555858	6.301272799	1.944196143	5.610907721	2.200559982	2.948445131	9.821176754
8.860930454	2.885653936	2.531524535	2.380248158	5.871992561	1.598747076	2.449470273	1.077381267	2.003395835	6.844164525
6.858999558	1.86265219	1.30825276	0.413895725	3.755549194	1.023327048	0.576463682	1.166560665	0.033976715	7.359604879
7.821400407	2.451704312	2.568631697	1.546896005	5.044491578	0.860478921	3.148758513	0.167718842	1.691992541	5.851671427
8.009399953	2.380357179	2.71829538	2.266658217	5.588140608	0.490065105	3.073589514	1.252733765	1.784713733	7.427001194
7.003050246	0.724314977	0.927843711	0.281287017	3.433144579	0.459601998	0.966228215	0.116373323	0.573702936	6.515330921
6.427023581	1.996326149	1.04624223	1.066612846	4.477151352	0.310768271	4.09885674	0.630259988	1.678998604	6.900514592
10.33936828	3.204993383	3.707463665	2.594944432	5.977722611	1.699524849	6.18725833	3.278844704	2.197033793	8.914266946
8.451413814	2.88277231	1.737944382	1.463456034	5.190063512	1.171048957	2.293165316	1.213083953	1.241447728	6.657711218

6.663044827	1.217731447	1.023010687	0.886606643	4.704259103	0.68584535	2.926218138	0.519346807	0.565549959	8.22875854
7.390621507	1.381836346	3.210115238	1.338834794	4.143537082	1.185597586	1.004016108	0.320903745	0.647865527	5.67343582
7.556067228	1.964719288	1.893404844	0.775402372	3.956750308	0.626829976	0.696109826	0.249843353	0.574404864	8.11979456
8.165312075	1.402430518	0.733244293	0.990446435	4.159233462	0.921166292	0.950567492	1.276080127	0.637898428	7.080302775
7.064103517	1.312749606	2.569707052	0.581475542	4.895398982	1.118185516	1.18505354	0.321850658	0.869013226	6.325774354
8.493203123	2.034172738	0.993693506	0.717714768	3.903204932	1.453401822	1.149510717	1.435344736	0.669806524	7.790951956
9.961045214	2.876064677	2.462585019	1.492212444	5.809552255	1.59940285	2.93342595	2.23999432	0.989191201	6.488922934
5.730845029	1.640176674	0.799778346	3.115892405	3.636353171	0.661870347	0.311833914	0	0.323802246	6.178180676
8.10304994	1.0912095	1.890662192	1.044533186	4.135378133	0.543654491	0.954481313	1.24162591	0.552658558	8.152228417
6.780185246	0.639851825	1.413294439	1.499661119	3.965789984	0.540409133	1.94262824	3.963738341	0.450244149	7.840709637
10.27775222	2.804772545	4.012705233	2.990372657	4.790334678	0.975188248	4.104687674	0.946305236	2.53073597	7.599594098
7.238898525	2.307374737	3.247729227	1.807369149	4.282476852	1.019955095	0.792443806	0.330089119	1.264499908	6.839240553
5.832488399	1.526913687	1.6590278	2.338145424	3.742141804	0.361849827	5.868594365	1.844892995	1.270456638	8.044491069
6.097117308	0.861177291	1.402888752	0.554537325	4.153186379	0.530234354	1.008101063	0.400192492	0.434534833	5.599070019
7.594758688	1.687198852	1.89630259	0.694170904	4.752616744	0.587415727	1.458938271	0.507915366	0.497258658	7.048837665
7.250951712	2.123866049	2.854350649	2.392624429	5.370499816	1.02673266	1.00664274	0.97348177	0.979449118	7.331921061
8.401265457	2.321393074	1.422488371	1.853413159	2.845057142	0.927618827	3.076332617	0.674535941	1.649785767	6.570198367
8.704006944	1.477471341	1.80868019	2.203713695	4.172396031	0.596729295	1.529775954	0.458441738	1.18949052	7.804294753
9.513349203	1.898561063	2.984307245	1.025385627	3.804866762	0.592587414	2.032913038	0.621776071	1.047343364	6.112508523
7.091932412	1.046631814	0.537479418	0.40273827	3.580264918	0.549341584	0.113449165	0.25648666	0.142432535	6.788519231
6.277635893	0.98350876	0.764485803	0.68733218	4.809835936	0.471641468	0.467894403	0.395228187	0.663276392	8.395317706
5.794034817	1.424276811	0.62412694	0.823349682	4.370522437	0.527556256	0.109110623	0.391109051	0.84190187	5.265239192
5.52882178	0.562639377	1.104224385	0.460745067	4.882528532	0.614499769	0.820098297	0.134722111	0.517559302	6.284264393
6.515631447	0.67859686	0.708742257	0.657367562	3.720583457	0.506663437	1.439054403	0.672258549	0.819061039	7.442394815
6.945386254	0.606076546	0.652625049	0.468866812	3.949406354	0.667094196	4.447302307	2.293392936	0.758733356	6.457176513
9.383142627	2.44647188	2.577959923	1.777958175	5.118081007	1.16515693	2.962919529	1.167255951	1.282043667	7.773256404
5.334275658	1.460645109	1.066727448	1.458061299	4.789201061	0.636123349	0.429499024	0.17486311	0.548656748	6.136731753
5.852912794	0.882147934	1.345971472	1.185099711	4.379384164	0.535851527	0.517522507	0.424453204	0.252837533	7.033735298
8.212926614	1.682399649	1.22110907	1.038663682	4.860745645	0.338704155	4.558070369	1.718725784	1.60183456	7.378532367
8.84758986	3.13478685	1.672567994	1.70812531	4.99747394	2.215040857	2.436285885	1.020631446	1.705113125	6.61747313
8.061035278	1.945540448	1.448488275	0.945932906	5.449673836	0.921896786	1.97033926	1.323312568	1.225328436	8.161930794
6.747521253	1.033304786	2.260958559	0.892559945	2.576861982	0.546474019	0.145247494	0.339320187	0.582367037	8.520383999
6.477074203	1.62884597	1.889461862	0.833912212	4.018571517	0.947578064	6.294566129	0.93424131	0.558305145	8.10321361
11.82606913	3.462412657	4.884522423	3.822031352	5.26193081	2.359681473	6.218190795	1.869789574	3.01022577	8.447181841

6.599521794	0.481468212	0.459996325	0.956543964	3.178448033	0.407209465	0.255842031	0.469410645	0.401274317	6.001821324
7.130284403	1.785695481	1.118807998	1.287425789	4.462244546	0.718358629	1.388471789	0.813219739	1.357772201	6.357266388
10.35676327	4.099281359	3.636267351	3.098284981	5.94167459	2.135403415	5.231987053	2.037272608	2.9747042	7.538319123
7.562528785	2.161789069	2.330631688	1.165164341	4.513068033	0.618807817	1.954710023	0.743836124	1.526908044	8.042037998
6.84242987	2.961231934	1.087978172	1.387002665	3.433495502	0.701843165	0.828429547	0.797398194	0.42340641	7.076047352
9.122075897	2.257375266	3.753632351	1.430979032	3.945970065	0.653799067	1.406041371	0.550708698	0.55330471	6.904902317
6.374205932	1.0951316	0.877200723	0.779277384	4.071717909	0.543679706	0.708976618	0.878540364	0.363952921	8.733280241
7.10097022	2.702785012	1.669792357	1.700834035	4.591656289	0.889971383	2.348367534	1.059297634	1.841313302	6.426610252
12.33954691	5.214369743	5.550324102	4.56911439	5.871279349	2.178251795	5.195101199	2.300069336	2.587977904	9.603705343
7.419218538	2.308661383	1.825092567	0.881882309	4.525127213	1.352506268	3.66001115	1.348057737	0.739842408	7.688211702
5.705046818	0.847011451	2.056906293	0.693345498	3.274291626	0.353367223	0.324214274	0.393859396	0.310875181	8.029940267
6.864909644	1.163619296	0.948074116	1.102709654	5.739378844	0.911900639	0.368439678	1.186469532	0.408336264	5.304306734
7.19760514	1.412632573	1.513978383	0.947190289	4.216310014	0.891753277	0.542860743	0.556622351	0.367063876	7.492301891
6.963087003	0.748619266	0.655389712	0.68307909	3.58437213	0.536314753	0.983836445	1.245229725	0.364387129	6.862454744
4.158237097	0.301525113	3.217409033	0.762540129	2.983978524	0.197317249	0.07279013	0.05800247	0.079816467	6.054382674
5.020687602	0.265805797	0.214260006	0.33334985	3.060187381	0.161064351	0.113552581	0	0.179783379	5.809618728
7.976079242	1.481260689	0.666140472	0.40654379	3.297094597	1.267185314	0.733614152	0.802011797	0.17910104	6.724111439
6.968724673	3.366565358	2.03675151	1.238415357	6.041700473	0.999928541	0.442740671	0.6801752	0.695194792	7.280948219
5.982282341	1.288697895	2.791361839	1.193909568	2.050685463	0.561462836	0.759520671	0.137339596	0.394252232	8.505485069
7.073109924	1.880669455	1.555663552	1.192126095	5.225410607	0.987609224	1.103931678	0.446943311	1.613515992	6.107251456
12.81731234	4.446520684	5.227161584	4.050396191	4.535638963	2.00561938	3.964832551	1.855357223	2.840965998	8.066275456
9.581022337	3.146748545	3.383774995	2.40220531	4.792304855	1.54940818	3.759691371	1.24436549	2.217512847	7.483736925
12.18387224	4.24299592	5.394311004	3.998502627	5.695438179	2.099932093	5.54139958	2.093704767	3.216785685	8.605311386
9.236165626	3.496344138	2.744748807	1.560552744	6.448770959	0.891169107	2.521657852	0.965173566	2.493822956	7.350896344
5.476564522	0.312892696	0.423050033	1.296517428	2.644426339	0.344765546	0.121985438	0.697534307	0.372143786	6.464517773
6.39458904	1.664291888	1.91978292	0.718313725	4.324378726	0.666995187	1.131023732	0.726162989	0.497073778	7.494347251
10.08906272	3.337308787	3.478970793	2.688883456	4.77457095	1.658503577	3.969409095	0.814059962	2.13277748	7.538519565
6.549782297	1.602076954	0.783974457	0.68816695	5.284417764	1.587133951	0.276612883	0.355286814	0.143061045	7.737725796
9.746253073	1.708285144	1.843815652	1.2509353	5.045879256	1.01192719	2.862078253	1.326976361	0.861834633	7.262602015
12.10188448	3.2892441	3.458348566	2.411154702	4.498067758	1.326136982	3.377955639	1.51824368	1.33514435	7.336999563
7.284405279	0.761988646	0.801861391	0.612650087	3.493215766	0.541109586	0.338816495	0.390550923	0.435450404	7.604897294
5.481627741	0.798150079	0.998819507	0.466948428	3.434344968	0.408018702	0.139793829	0.18197089	0.220203243	6.431212739
8.976870872	4.331414962	3.491877673	4.054592533	6.760294826	1.92931693	0.628171873	0.729607817	1.578104082	8.44234579
7.494468602	2.258389136	1.681039054	1.411862405	4.524280727	0.491422166	3.062971425	0.618712996	1.429096101	8.515980868

7.989368164	2.752419563	0.589920505	0.521810525	3.265268718	0.493401741	1.733500102	0.91714949	0.457442535	7.017186239
7.231058895	0.886980601	0.887276474	0.483189752	3.365975763	1.073833342	0.947986812	1.549494971	0.120072737	7.921952269

TGFBR2	PDGFRB	PDGFB	CALM1	MYLK	PRKAR2B	PRKACB	FGF2	FGFR1	NRP1
6.585223232	6.60332738	4.639533169	7.597441476	5.783231253	2.72646018	3.671219416	1.52551281	3.947044441	4.365844311
6.618990264	5.509615072	4.881441637	7.353501546	3.738926192	1.944117212	4.381845167	0.61255057	2.81671723	4.209167332
7.34019597	7.675119004	4.659794181	7.010629587	3.94938439	3.374578886	3.511362128	1.87874242	4.192332648	5.703572833
4.535500038	2.804117863	2.685670959	6.554495537	2.181579303	1.725931924	2.063479333	1.012056881	1.405563214	2.295752929
6.888198812	6.2393877	4.210853233	7.701846662	6.74206536	4.921555961	5.799578574	2.663722346	4.47924836	4.76443652
5.761030004	4.608841842	3.473339391	7.51368257	2.773045032	3.4647679	3.767618135	1.10912907	2.615009578	3.056512984
5.219414621	5.509656878	4.456383991	6.894818929	4.74905038	2.01265842	2.24613262	1.477536959	2.937159549	3.388772287
7.911373298	5.434984347	3.91485396	6.609110206	3.603488549	2.665998987	2.796051954	1.089892903	3.638037463	3.249107365
7.317318269	6.27126616	3.271013715	7.409422003	6.594542347	5.202183241	5.47845679	3.907111686	3.924108046	5.322082004
5.426044309	5.192492011	3.799995259	7.760907237	2.490541011	1.690854413	4.649306007	0.706505759	1.906441635	3.089693475
6.660358069	6.462135174	3.316509858	6.329369287	5.832954327	2.631592134	3.739165165	1.662470117	4.317628295	3.938489705
7.114686648	5.136681178	5.457195753	6.78077156	2.055571913	0.499068429	4.507439836	1.168694884	6.226305214	3.058562039
6.25324161	7.289546456	4.051063776	7.601956729	3.271982741	4.657957873	3.776120353	1.1398307	3.944025713	3.875572853
6.069934418	5.153351386	3.6730399	7.040333205	2.58572304	2.21549366	2.835911959	1.588189486	1.886659429	3.540800152
7.035993576	5.818456346	3.856098568	7.442066123	3.179651108	1.96251253	3.750760411	0.654722922	2.766214102	3.773650612
7.167916929	6.275795155	4.699972956	7.542427377	4.612131949	3.325435337	5.119750331	1.704859878	3.377437791	4.97160204
6.944662906	7.474712919	4.617844167	7.083829501	6.90594714	3.650390676	4.418983632	3.318919515	4.957862217	5.067810917
5.759007126	4.296223257	3.242770802	7.425392096	4.34753821	2.846523877	3.566069357	1.04021911	2.036916303	3.68852015
6.121553726	4.367398806	3.169634337	7.088033873	2.144916961	1.38342189	1.845329432	0.80952353	1.168526023	3.434347988
5.62929722	5.054355706	3.329127343	6.687910012	3.974585932	2.256679698	3.565210741	1.081250039	2.969369618	2.981821453
5.769245822	5.935096213	3.941725523	7.348932229	6.038091397	2.32038498	3.458276846	2.545057231	3.487273071	4.507044509
6.511972402	6.619934352	4.577130451	7.471024524	4.407564018	3.811266419	4.569031009	1.284434093	2.829890283	4.802296997
7.947102919	5.718826565	4.508516482	7.343970467	3.002002893	0.744156258	3.404714835	0.368967079	4.267744063	4.2563501
6.390580801	6.727004215	4.538284232	6.772164568	4.933997504	2.272021838	4.537779817	1.229794436	4.421159725	4.178701568
6.338154937	5.818277076	4.121609434	7.296554155	3.279536461	2.386369915	4.018533459	0.872452004	2.105277886	3.675542561
6.420853484	5.447994443	3.72295596	7.279585138	3.927859368	3.143517388	4.080756636	1.609060288	3.324074452	3.668929619
8.144734355	7.866762931	4.113449253	7.658793373	8.128827958	4.578305026	5.358282519	3.917207454	5.683325666	5.55765713
7.954761619	7.825711224	5.635490183	8.032716629	6.378706931	3.952120496	4.969027644	3.396454367	4.391608771	5.951003905
5.885876967	3.523732703	2.806104638	8.116839888	1.910531656	2.015984559	3.569811768	0.400615942	1.26836401	2.66186784
6.255727235	6.086280284	3.512808717	6.838802064	5.196746151	3.786059912	4.261015249	1.835036333	3.378998786	4.176321114
6.533306288	5.963771002	4.720344171	6.927689144	4.042104704	2.639269232	4.282655188	1.156257621	3.138833343	3.711338193
8.087082137	6.897486387	4.837743467	7.13430886	5.844812989	3.366295056	4.601651977	2.895120546	4.028003232	4.997955535

6.997272204	7.821949319	4.880716906	7.345273872	5.522246073	5.004621578	4.405664196	2.010287815	4.263197732	4.994614403
6.153793605	4.738422115	3.369356706	6.81391037	2.755718251	2.637211417	3.448962863	1.167172928	1.88476048	3.030354678
6.464434353	6.430940343	3.913707274	7.300331701	4.685609985	2.368201561	3.195728293	1.652257425	3.428706975	4.474964116
5.545893795	4.186150471	3.536865731	7.049872774	2.243906851	3.952092291	3.898794363	0.626456842	2.337058432	4.258534107
6.232860143	4.010253944	3.093753867	7.03505646	2.995601453	2.921268426	5.425910625	1.383920746	2.466606552	3.111903501
6.501408023	5.635834611	3.991773532	6.889005097	4.354115487	3.229530008	3.797461362	1.733399914	2.44982474	4.642827308
6.43256171	3.833041099	3.249095135	7.324465985	2.089429502	2.379788569	3.225178175	0.953094651	1.820711967	3.129299435
6.368744096	7.083141777	3.404007841	7.998776364	3.460638219	2.921345645	4.153341233	1.58320572	3.383709216	4.308305497
6.779504239	5.999839612	4.086600612	7.397436743	5.94689159	2.947704101	5.174355516	2.074666475	3.842121504	4.277314439
6.445626454	5.597050011	4.596340602	6.738950332	3.752823491	3.040097602	3.855402662	1.588202721	2.49022095	4.543457828
7.028115055	7.499220207	4.422475512	7.182872652	5.598449819	3.043388709	4.348122306	2.18708848	4.741978954	4.906559116
7.454464801	5.894941773	4.578257137	7.000294087	4.581855978	3.176830876	4.446966936	3.129909972	2.625571751	4.267240007
6.997442756	6.371522343	4.100181537	7.2800388	4.430693839	2.472660219	2.873739939	1.329799916	5.072627472	3.843368769
5.836708938	5.680800414	4.233280877	6.778085422	2.726699104	1.623040131	2.580527331	1.040488371	2.375886015	3.995934766
5.311266919	5.81407132	5.054304812	6.692475196	4.710838666	3.097862635	3.214336524	1.724834275	3.320067762	4.777772763
5.107491538	6.195964833	4.04529853	7.449801819	3.341645007	2.167505481	3.499070733	0.707245047	2.655307646	3.503627757
6.872078828	5.267388382	3.826581114	7.677009149	2.659286834	0.995206022	2.662701691	0.300820442	2.057927317	4.165198626
4.001845118	2.972055408	2.970292474	6.918458508	2.13137741	1.342997916	2.584301498	0.857983395	1.292187937	2.121293502
6.818916419	6.658010116	4.514693959	7.134819825	4.280810898	3.124457931	4.116816396	2.120177975	3.757038946	4.804764892
7.311587436	6.695383579	3.87675912	6.858087387	4.394899967	3.310163635	4.416578701	1.854987784	3.376609585	4.853917011
6.496867619	5.629335325	3.599272273	7.415895826	4.03361921	2.822520549	4.363523795	1.339146608	2.872454613	5.201945101
6.987662001	7.449630318	5.077358694	6.942598078	4.517526369	2.523375574	3.777572685	1.072086909	4.649999709	4.948663018
5.825626269	3.866890325	3.54891089	7.532208736	2.236560961	1.223149053	2.862191104	0.582232999	1.992260741	2.219077606
5.260767858	5.080769013	4.078739893	6.584444032	2.561907335	1.30846182	1.866140866	0.362370052	2.240884444	3.843694594
7.378960177	6.788756489	4.65827908	7.881593466	6.635786239	3.716515751	4.873666687	3.029057213	4.634695732	5.75487309
4.891866265	5.254481147	4.281291537	7.62935457	2.242143217	0.807638827	1.762102073	0.408394348	2.130542012	3.40629751
5.86571506	6.883185519	4.628462993	7.734758301	3.811577626	2.053589374	3.289127446	0.709015648	3.340610962	4.348276548
6.080463447	7.649984804	5.247819342	7.801790824	6.423672667	2.365500477	3.581005797	2.518243057	4.331063109	4.41998337
7.758836088	8.562842952	6.207046948	7.445667022	6.353779518	5.786513942	3.715735418	2.707229038	5.630365075	5.831744045
6.086774896	6.505845932	4.594794046	7.40480298	3.806152942	3.262607424	2.685737148	1.929760068	3.573962933	3.852406179
6.197757507	4.362050218	4.317192095	7.277898903	3.3664237	2.993178508	4.316273683	1.398550243	2.446765255	4.121065416
6.612805947	6.694708087	3.272764786	7.938590372	3.88904895	2.378224394	3.425010537	0.875099449	4.177709521	3.587287535
6.283556777	6.732736761	4.552047802	7.482550014	3.809288419	1.711791415	4.91937096	1.059442486	2.799941555	3.410205046
5.474329921	6.412861186	4.624873728	7.447517399	4.359322366	1.686010446	3.667414342	0.994502349	3.173539257	3.853658103

7.220354055	6.866156955	5.131218699	7.284241431	4.90106276	3.432984022	4.007190076	1.427583034	3.375374601	4.475176806
4.903395573	2.99232753	2.934477396	7.367374832	1.499125942	1.063797321	1.404251641	0.207934174	0.700138826	1.775517087
4.025874281	3.711758341	2.902696665	7.271719489	1.859095652	1.343609584	1.111577337	0.459179693	2.534813081	1.992445791
6.52235277	4.835859704	3.576685282	6.687775178	5.405214352	3.19674832	3.823308336	1.740552225	3.17990073	3.757122084
6.182183644	5.849761987	5.177238269	7.09107595	3.575179985	2.354998831	4.132741805	0.811882283	3.363676506	3.556374797
7.135756861	7.398982461	5.098725069	6.928778749	6.262999254	3.287458976	4.358359329	2.528156854	4.194058217	4.983742974
6.385068086	6.521463274	6.382846806	7.564504997	3.60045658	2.210112461	3.708762698	0.665804799	3.129843535	4.598151018
7.819094755	8.337149726	4.91695437	7.16952768	6.94761277	3.590982524	4.147708429	2.968489086	4.849515417	5.656074241
7.035766181	4.93064685	3.567220512	7.38900828	4.360499888	1.609371537	2.357703671	1.760120475	3.317685797	4.00329313
7.033713948	4.855748284	3.754050855	7.915604021	2.208174502	1.460338993	4.915680732	0.677796763	1.577475825	4.43386043
6.874969375	5.987130801	4.077864204	7.608623909	4.598243702	2.202642979	3.556307155	1.075550129	2.935051472	4.303199925
5.307996339	5.348441058	3.985940824	7.266349296	3.455335397	2.051722869	3.040635103	1.13537286	2.554088266	3.957627765
4.977708348	4.338643213	4.053173917	7.669734645	4.124270989	1.785314701	3.133619835	0.987085996	1.93700687	3.469805798
8.498848753	5.707915237	3.28338528	7.183388308	2.584213086	2.16183177	2.905129086	0.506403394	2.268166164	3.994375073
7.093375882	4.674653953	3.487923091	7.576110992	2.920312486	3.489341075	4.248498282	1.441412718	3.454031749	3.712989281
5.047855843	5.069031029	4.547594178	7.383819278	2.28956623	0.583358591	2.580066282	0.27439527	1.992104769	3.82256912
7.277617229	7.633059858	4.852492338	7.05153547	3.963418439	3.403906928	3.785964528	1.763132614	4.805992923	4.418976437
5.631710513	5.564225576	4.497147724	7.068099576	4.181815907	3.700839795	3.047230625	0.775900258	3.788585043	5.563688899
7.043744208	6.324503556	4.141877114	7.078716005	3.897034018	2.333192304	5.075598072	1.115618464	3.041515832	4.399371918
6.724051928	6.083323135	4.255546944	7.620294747	4.703341314	3.499770456	4.26352866	1.537918534	4.058428776	4.55506948
8.195171217	6.598240219	4.079425433	7.188888348	6.270070248	3.622221968	4.64211217	2.109045265	3.792320103	4.914779563
8.139629991	6.974391111	5.218441142	6.992053474	3.902499388	3.596177837	4.831974332	3.099755618	4.573753235	4.698817996
6.602936941	6.889766934	5.365770347	7.747555013	4.15163217	3.063240667	3.376589756	1.482762452	3.640583124	4.742855224
6.553012667	5.371536155	3.381895081	7.061516982	3.393992999	2.421812471	2.979000438	0.965639863	2.848177877	3.25239065
6.677245829	6.574471753	4.100853883	7.57855746	3.657976646	2.053790488	2.699419293	0.964977247	3.058386969	4.429844269
7.918544454	6.393530678	5.066718153	8.473074369	9.538480077	6.358741995	5.831549029	5.07408368	6.201248344	5.638794415
7.279744984	7.480844553	4.969504806	6.753521843	5.715659289	4.361654041	4.403279943	2.739747484	4.246154758	5.250828627
4.908176559	6.096232054	4.533533993	7.564908196	3.159067686	0.976271845	3.470495646	0.84723405	3.209089319	4.421920362
7.140072659	5.852848889	4.194434281	7.462207633	5.090508927	5.041112957	5.647613793	2.799745896	3.472128217	4.014418989
7.311283766	6.985121796	4.106010031	6.982551709	4.922667917	3.272835579	3.104950766	2.319937632	4.01940723	4.711093546
6.345147334	4.131439197	2.99651899	6.931570418	2.651033962	2.416479271	3.006780224	0.60339725	2.390276903	3.019831899
6.904393772	4.936110733	3.275764023	6.582466823	3.313365976	4.093082879	5.33926397	1.731857322	3.381217787	3.450257729
6.996865453	7.253959456	5.341662739	7.524395912	6.751018647	4.256177588	4.206050162	2.942895934	4.763982076	5.491761276
7.335084771	7.262515029	5.119111168	7.27944675	4.541961023	2.703091906	3.020022369	1.912326198	5.002400818	4.766891158

6.85481658	5.633795802	4.788665956	6.95256916	3.317657082	4.027436471	3.316952967	0.91530411	2.510159602	4.049801904
6.200389618	5.058400935	3.967908356	7.528844086	3.875152682	2.881504777	3.675501046	1.040222369	3.105088989	4.297764082
5.746287337	6.570012506	4.70202041	7.640693421	3.088509921	2.183211061	4.629520889	1.422309931	3.715134698	4.503265677
5.7964604	5.708448598	5.599421723	7.415232703	3.650977702	3.038566375	4.065994757	1.033756129	3.452235722	3.988298329
7.267331474	6.201865611	4.315499292	7.459941617	4.612835439	3.569492556	4.59909334	2.090817005	3.730541631	4.878548575
7.904073025	6.637088365	5.290725593	7.387053789	4.175843398	1.695389726	4.410788037	0.710671144	3.685696674	4.97803657
7.208339822	7.182430305	5.536696051	7.142332915	5.375266958	2.44109029	4.6500976	1.759746184	4.453140167	4.921051256
7.877205685	4.463005204	4.534122011	8.363796222	1.996532016	3.523210883	2.736343825	0.81450619	1.339042262	4.109612212
5.261525962	5.203267593	4.481534773	7.427587511	2.889040391	2.446233254	2.590248012	0.343769336	2.808647594	2.864236057
4.421942155	4.603191104	4.067665788	7.710902393	2.733112505	2.34695233	2.882232637	0.598930714	1.997988701	3.484969007
6.906680567	5.940791802	3.95257827	7.497565463	7.280754799	4.768165769	4.142547747	2.959834966	4.435777702	4.127714895
6.300386028	6.152474455	4.417985215	7.0769302	4.174939784	3.096223108	3.793619497	1.868131059	3.656557924	4.314188699
6.408147139	5.666083976	3.014338003	6.901835939	2.778664449	2.68810048	4.631586814	1.13158163	3.002872745	4.559792811
6.777153448	4.846527084	3.126922407	6.997964761	2.763175755	2.306639843	4.13778795	0.633235631	2.088250098	3.412333238
6.191963292	6.176781188	4.484180336	7.391958414	3.880142068	2.00928148	3.552028229	1.261501864	3.085914069	3.62329994
6.040774048	6.397492266	5.039506719	7.470011068	3.937185343	4.612542235	5.194495802	2.520555198	4.050281504	4.504210651
5.821641364	3.419673127	2.791183315	7.418981411	4.732845266	3.273823103	4.412194741	2.140243573	2.843474684	2.654916575
6.443971618	5.729083515	3.930278684	6.800008377	5.162736195	3.7193788	2.897933887	1.862338902	2.825440015	2.912565326
6.710508519	5.983487364	4.420657255	6.325704574	5.553538381	2.109331582	2.431668424	1.162533107	3.662024328	3.542426068
6.611380789	4.989990997	4.608740313	7.080864732	2.966390099	1.497832501	4.231748022	0.379266041	2.365991761	3.139899381
6.466300872	5.296056807	4.240121911	7.126156256	3.04069112	2.735891711	2.444608482	1.202698826	2.204644961	3.360840028
7.376663084	5.653741514	3.94511541	7.540245598	3.268407906	3.094212688	4.812940508	0.676363887	2.008078482	4.588683531
6.155170111	4.730370961	4.612410863	7.396262282	2.504763498	2.584933958	3.104097104	0.912555323	2.919181605	4.455717982
6.17957088	4.269948503	4.153428373	6.613038315	2.399832572	1.819238295	3.154106532	0.873507879	2.207330497	3.340124837
5.099544769	5.658561203	5.496480767	7.320782264	2.834532205	2.510088371	4.611666825	0.799968531	7.570163775	3.233140327
6.811294048	6.455770298	5.247491468	7.280772821	5.946730199	3.060155449	4.124780183	3.434220061	3.902072421	4.647464417
6.397918055	5.679700924	4.173053243	6.866364836	2.692748426	2.036895884	3.382471046	1.00166535	2.08906666	3.902032926
5.291063248	5.280035075	5.108827692	6.751399313	2.356685451	1.610132321	1.861626079	1.975940742	4.027195382	3.586778264
6.623652842	6.023819885	3.936612434	7.114665608	3.612635405	3.021834936	3.679863677	1.64372329	4.00016216	3.804306288
6.854533141	6.978214402	4.01505937	7.989950331	5.299914553	4.238113341	4.259760528	1.873687557	4.63086653	4.97261593
5.841206242	7.175571683	5.378545225	6.770721495	3.852726544	1.864381244	5.235662637	1.168617906	3.323238352	4.566417263
5.014755427	5.068468738	2.62027716	6.474337011	3.23274878	1.97480423	2.783502542	1.171994426	2.151697327	2.24938691
6.864050662	5.804058039	4.958600952	7.058168461	2.67970399	0.698164274	4.299582973	0.501722216	2.73187796	4.655537137
7.446346818	7.226088458	4.16711219	7.945037875	8.573578692	4.732786911	5.432232122	4.088675399	5.710796622	5.093248562

5.119096629	4.151367858	3.570491321	6.834774142	3.059098216	1.882468514	3.797607134	0.825826176	2.074186482	2.423508902
6.214439976	5.802965107	4.287113316	7.357205673	4.112758088	3.651426142	4.156221365	1.854163825	2.958898049	4.270891199
8.319351025	7.579970684	4.486236257	7.545815935	7.271587176	5.210567009	5.408148139	3.440877974	5.001159087	5.320794531
6.787323087	6.32728484	3.839484782	7.561369037	4.247442933	4.972737692	4.47353617	2.159141682	3.515423014	4.118345432
5.843278906	5.192322694	4.023202008	6.88261281	3.311914014	1.626482983	4.525848742	4.59589847	2.445903369	4.406719902
6.641918023	5.913464415	3.958618604	7.944994782	5.833632753	2.56919331	3.769106281	1.222800249	3.605138895	3.89596311
6.391740384	6.067195536	3.328456316	6.321412594	3.655273916	1.321619697	4.252612892	0.512524092	1.950983152	3.821118064
6.678447864	7.249956171	4.009708313	7.341811237	4.110615375	2.94776492	3.978525053	2.222751582	3.778399093	4.292178325
8.668246676	7.591528518	5.190204107	8.441222125	9.079262672	6.580680773	5.94451027	4.700199044	6.52088965	5.74392626
6.35397456	6.757767051	3.865639605	7.302400269	3.764119334	3.170907743	3.888892312	1.350558942	3.401091163	4.503228431
6.711464601	4.586959588	3.090033114	7.639494961	2.532960894	2.201031931	2.51244996	0.604434636	1.883400153	2.617526044
6.629287635	5.630773377	5.228709823	7.690693822	3.380651061	2.056336631	4.13826579	0.621490365	2.206482305	4.902041953
6.85405532	6.965431633	5.873071057	6.574010776	3.332437878	1.631718629	2.411847984	0.651580015	3.184235789	4.002714811
6.023034072	4.959663522	4.704679375	7.184905073	2.348145929	2.513452271	4.38666003	0.409975295	1.73396701	3.465321792
5.153303869	2.677682617	1.798336558	6.657028794	0.928227275	0.876215931	4.483727178	0.251193174	0.796924527	1.665981928
3.888577824	3.790835463	3.449483963	6.511620605	1.131390893	1.55002591	2.350104214	0.909054603	1.885248812	2.806795411
5.935605151	6.068400719	5.097697224	6.90038955	2.24243464	0.842584809	1.758241686	0.467816133	3.135876308	4.525755283
6.457771731	7.781430395	6.302975215	7.987975677	4.18395072	1.832895773	4.902685388	2.339663875	3.595060523	5.327494969
6.150911477	5.003103788	3.232149815	7.89769894	2.716150601	3.221978979	3.477468844	1.029864734	2.041586689	2.62068188
6.345303103	6.094931818	4.595637944	7.229728352	4.389078615	3.657997116	4.564063164	2.054139006	3.40832713	4.536952873
7.218628026	4.746849565	4.266791635	9.00768421	9.524943895	5.744222141	5.912939869	4.873579489	5.95613275	3.963126353
7.641918053	7.302480225	3.810267286	7.536718097	6.693180639	4.056000569	4.890361247	3.295616721	4.58706167	4.693916927
8.301993732	7.678297201	4.686423709	8.313072545	9.280296916	4.853688651	5.718977128	4.69963771	6.15223463	5.660099836
7.3113935	8.442904207	6.1265894	7.852143119	5.459823582	5.019411465	5.146596937	2.321669306	4.492794314	4.937881533
5.350579134	3.509229699	3.165506084	6.848217185	1.95866712	0.663725743	4.455937203	0.275219569	0.758785782	2.768093726
7.549190551	6.107397948	4.889570419	7.854149866	3.088152673	2.338480483	2.988619775	1.183827864	2.746828628	3.666657643
7.957206136	6.796216126	3.882334465	7.483717951	7.18891922	4.907895328	4.73348601	3.114786499	4.710857196	4.94004848
6.886204308	6.221493602	5.117337761	8.095097189	3.302686525	1.980137974	3.103513815	0.930715371	2.583149051	4.824169978
5.850051483	5.638038142	4.655701507	7.016552954	5.795605793	1.95909145	2.855720333	1.564298599	3.488935802	4.275864094
6.426592819	6.768319578	4.977668286	8.183881572	7.801634436	4.754870505	4.327669636	2.929763539	5.234193242	4.627531001
6.53294709	5.128616334	3.619938265	7.815129749	2.837747993	1.738503359	2.784212893	0.736930827	1.884251907	5.759369922
4.234062662	4.794260655	3.597592408	7.800280004	2.01430416	1.870502972	1.772122964	0.900998623	2.414478354	2.716656832
7.404990924	8.741211384	6.653206712	7.274281794	5.772758622	4.455550667	4.687348158	4.053008095	5.646934109	6.139694331
6.69520426	6.236398785	3.888482741	6.669164856	4.306569921	3.147561283	4.040028038	2.365372939	3.484351508	3.993685073

5.087844432	4.772191167	4.003562947	7.715599931	3.618483078	3.723665109	3.103121172	3.054961373	2.302358316	4.376989756
6.152702507	5.142468736	4.56677271	7.086142908	2.680516431	0.447252621	1.491691966	1.482089853	2.027017195	4.55631298

WWTR1	ACTA1	VWF	F8	ROBO1	KDR	TGFB3	TGFBR1	ITGAV	ITGB3
4.631514085	1.527006694	5.25716701	1.432494672	3.225060152	3.831305956	3.9278329	5.13169675	5.662935977	1.712694891
4.61683286	0.727751048	6.265596032	1.621411044	2.954894653	4.920548093	1.795721295	3.966106063	4.756782117	1.944960784
5.722859635	1.598889235	7.23636255	3.178955742	3.809523202	5.228630563	5.864495504	4.175798912	5.053143407	1.725021307
2.690043087	1.641363116	3.234290836	0.791806051	2.852084755	1.82622366	1.428448727	3.626870895	3.709406268	1.395317835
5.531424939	1.400048523	6.338469886	2.738320863	4.636955466	3.87439533	4.119424144	5.620615459	6.599505919	2.561547558
3.694291752	1.68916919	4.12796894	0.683223399	2.742154989	3.348427147	1.576349844	3.94373559	4.724209755	1.076120225
4.40645883	0.226111464	4.34355179	0.719645375	2.184448431	2.957595232	2.967658866	3.867545843	4.530101004	0.986535991
3.749098177	0.456715207	5.563034743	1.168430104	2.305125298	4.242376711	1.737249005	3.959920125	4.678589962	1.376584894
6.271797122	1.290542868	5.725323912	2.251543655	3.293295915	4.434899419	4.898710576	5.778250911	6.676298647	2.154773264
3.502471395	0.89263868	5.481872769	2.021959877	2.018456096	3.894492815	3.395464966	4.019220566	5.053244935	1.221740539
5.146451444	2.18283984	5.391015067	1.97620849	3.261965216	3.168601392	3.238883398	5.134739354	5.852110345	2.124390481
4.891797213	0.261778313	5.414297052	1.848057485	3.400143249	3.323192595	2.760472358	4.933518706	5.608983239	1.270147398
5.120842854	1.200770715	5.094598491	2.198914304	5.254651688	3.324610155	4.159475177	5.389794422	7.58589218	1.563226691
3.610025748	1.718700827	4.71938491	1.304847741	2.720557865	3.083087903	2.318070199	3.623461544	4.973454861	0.9454551
2.863087608	0.485848235	4.462719809	0.805344856	2.327188763	2.746251399	1.511785179	4.615850442	5.838345856	1.553124732
6.847983351	1.228196748	5.14314318	1.836907593	3.823016619	4.646975653	3.662482578	5.14040895	6.73384858	2.000314902
6.460081924	0.798475196	6.880258481	2.758269657	3.896466176	4.069054572	5.135524556	6.125138767	6.819075932	2.906098095
4.424504332	1.051839923	3.435941888	1.09680506	2.681050784	2.580645929	2.840268059	4.831958894	5.847358316	0.889065343
2.184941995	1.037723875	4.386265222	0.910487153	1.973271535	3.427574412	0.914145529	4.231974945	5.004516879	1.319250802
4.673479955	0.753991219	4.112082263	1.17192765	3.034557831	3.057223172	2.302516758	4.485916791	5.721034792	1.327876855
5.120586402	0.623483128	5.37996369	1.437531221	2.978493276	3.492631794	2.991776903	3.371897704	5.373614522	1.380068034
4.603408939	0.672058362	5.631260951	1.873739411	4.225193166	4.846889195	3.688844172	4.604907796	5.99391311	2.092101919
4.11406314	0.935008171	5.623632498	1.87817094	2.157863964	4.526801663	1.984067261	3.57048541	5.167798437	1.011765121
5.035552056	0.428348586	4.450063129	1.551556817	2.91638117	4.509927116	4.873796798	4.244760064	5.027909583	1.386570109
3.175751116	0.83229996	5.499057069	0.716242203	2.769646677	4.221586077	1.528928331	4.786465402	5.477182582	1.592228648
5.104790917	0.835797042	6.345644244	1.657179435	4.007895524	3.511028747	2.228567837	4.098380772	5.072511529	1.33155825
6.988980234	2.11035046	6.235509055	2.701561652	4.712386154	4.354177701	5.416015539	6.050818567	6.808729646	3.066936962
6.356565612	1.22691687	6.962481226	2.771978252	5.234573351	6.538034327	3.116349118	5.60895321	6.944588613	3.688436363
2.857018011	0.860685567	3.900559067	0.733711749	3.418420608	2.823231506	0.905643747	3.108368926	4.737266519	0.998052318
5.120237703	0.578869488	5.788961007	2.014143342	4.332222724	3.485415448	2.90712476	5.49967818	6.208197081	2.06329046
4.994867286	0.799503505	4.332816499	0.718240735	1.729842837	3.05211303	1.813188391	4.003890556	3.915190781	1.020014625
4.973101408	0.639910958	6.409932475	2.872707694	3.637883901	5.026841912	3.227760255	4.367612041	5.938459912	1.885016598

5.26576777	1.581784673	5.87790419	2.073191525	4.764557592	4.477534253	4.402063144	5.791284649	6.386294394	2.737779088
3.61100572	0.536612492	5.289153195	0.493882435	2.507295738	3.566115665	2.450765681	4.017682117	4.873646836	1.85762253
4.34839482	1.037865107	6.070939232	1.446290178	2.598207604	4.005280298	2.506298672	4.434435701	6.204995362	1.418038875
4.240243688	1.344912697	4.675361946	1.514534124	2.915011674	3.200753418	1.046827849	5.267230852	5.263858287	1.355548821
3.548612215	0.915363351	4.709063679	1.586631784	3.718115899	3.785542992	2.142241219	4.397616638	5.941048803	1.530659428
6.596586593	1.103983823	5.921054018	1.760362289	2.922988114	4.777086425	1.98298002	3.884415643	3.55092502	1.761291512
4.69602846	1.350675556	5.462653672	1.123808848	2.163827771	3.022043447	1.985848739	3.903029511	5.919896496	1.284455927
4.615420123	1.157469405	4.833222107	1.748348142	3.659564885	3.215090811	4.964196296	4.554224096	6.057272103	1.151985574
5.420207634	0.76073108	5.975541586	2.258404355	3.031760121	3.827421592	3.443496045	4.858679817	5.638775047	1.971419772
4.62973388	0.378819378	6.495603351	1.223301487	3.323474773	4.479747602	2.082889712	4.588309345	6.493022273	2.759655115
5.796124836	2.068475668	5.397698542	1.511633226	3.828552012	3.237449836	3.696201788	5.104861852	6.702454626	1.761752889
5.16977558	1.712117101	5.750593952	1.583948564	2.619996017	4.578494087	1.876789622	4.35765457	4.390192485	1.60669088
4.604715259	0.493382063	5.289997045	1.395459026	2.667070814	3.25512765	1.705781516	4.566590478	5.716876083	1.405132422
3.50488146	0.542972668	4.731094311	1.630428299	2.097820974	3.53299785	2.574969569	2.789019659	4.836464949	0.946440701
4.808003533	0.727168879	5.064688192	1.172230483	3.347564699	3.116900865	2.834748697	4.84941205	5.987885252	1.849478609
3.391663465	1.298455302	5.305789306	0.965691646	3.126410301	3.665862438	2.811223701	4.629923446	5.537025404	1.381378609
4.036532673	1.036093711	4.930476174	0.611759784	1.729679392	3.67751291	1.140664457	4.893543031	6.176123704	1.678004452
4.118996708	0.81277877	4.314485936	0.594634282	3.605332031	1.717682017	1.626189151	3.387422186	4.188126253	0.407152136
5.280268957	0.661308715	5.397296315	1.987678448	3.433632319	4.359687974	3.127331317	4.771701578	5.866642267	1.901315556
4.702466866	0.879707825	6.048187911	2.618353441	3.387576365	4.594470092	2.701788077	4.342602111	5.260115945	1.568496991
4.046928557	1.011598356	5.538678254	1.438902588	3.153257966	4.109503149	2.645113991	5.699894266	5.390139866	1.516437389
5.242717658	1.343281773	5.890189547	2.590403621	3.068409004	4.351313587	4.810601971	4.919955998	6.32233107	1.321181397
2.96105867	0.747280656	3.402753852	0.748421323	1.677146853	2.462757386	0.894429411	4.355624806	4.708562072	0.782733455
3.828292763	0.417355595	5.197169203	0.409343028	2.257528911	4.006326436	3.413088504	3.513041618	4.255972733	1.013728501
6.515228238	1.119856234	6.822578515	3.229828498	4.553913773	4.451394209	4.438611861	6.000653244	6.71120512	3.126123583
3.101779976	0.608519993	3.715979261	1.20547931	2.056997053	2.657022705	1.360943214	5.049275358	5.216529488	0.737695823
3.597968813	1.208331415	5.558190091	1.429587656	2.653151683	3.585071057	3.952068308	4.389164691	5.585544123	1.424758884
5.484617559	1.254879137	5.395192271	1.747929552	3.710923534	3.875646564	4.29386074	5.138184325	6.19166584	2.440990929
5.947719295	1.163999169	8.003936465	3.604744719	4.215341306	5.771324124	6.02384909	5.016807509	6.00249374	3.360446808
3.941949178	0.416950955	6.414148008	1.098815412	3.35823654	4.304634736	2.074300916	4.346202737	4.761919562	1.791901151
4.640700221	1.224133191	4.81967446	0.913417186	3.188837232	2.346273163	2.053243849	3.903605802	5.409492903	0.750101456
4.73872763	1.235444417	4.860898445	2.123399567	4.148359036	3.344392132	2.205711489	5.165107853	5.970836678	1.474642886
4.426193153	0.94821869	4.909426905	2.481892093	4.342041815	3.713214393	2.499727803	5.525206897	5.38493233	1.051704927
3.415600607	1.843724438	4.607933139	1.434733264	2.698064272	2.989932899	2.700560836	5.248428752	5.445029318	1.505518499

4.550164082	0.940369759	5.310973563	1.223125302	3.765555326	4.110469037	3.403380105	4.258099929	5.961631312	1.595515739
3.022361768	0.661239832	2.341331869	0.553252105	0.80956901	1.402406709	0.72768517	4.586194876	4.011658406	0.393116347
2.844182087	0.51053834	4.105293541	0.338260423	1.171631089	2.651068672	1.741990125	2.847931615	4.687134501	0.926064794
5.074296945	1.19342819	5.253325956	2.627103831	3.924830789	3.849220602	2.643378246	3.981927616	3.356896939	1.390054074
3.982266417	1.161150025	6.100883156	0.652726913	3.999246759	4.424580014	0.967033739	5.750700585	5.120803617	2.44176057
5.841241717	1.201619154	6.806479128	2.460225694	3.947187821	4.957830762	4.284204549	4.884399047	6.306644291	2.289509714
4.270362285	0.455057998	7.024897295	1.454440031	3.102231033	5.031682894	2.462796341	4.691630929	6.157062997	2.532079225
5.993042305	0.340803213	7.647255168	2.810621111	3.441735113	4.941562969	4.616843283	5.292392252	6.473134621	2.298225917
4.604151688	0.783444807	4.551567076	0.83955123	2.18077198	2.796913533	1.737813995	4.3505478	5.085195661	1.073312324
3.688578845	1.089191975	5.346791193	2.841361079	2.844053737	4.053106569	1.788282915	3.742494129	5.401733211	1.611588481
3.742880913	1.68449943	4.046617578	1.820534982	3.182985836	3.668465329	3.242701679	3.618949908	5.988306483	1.099382504
3.098665368	0.514161905	5.000283982	1.248968507	2.16957764	3.195165353	2.401674038	3.88859385	4.908141244	0.632580947
4.937306612	0.808886491	2.610175694	1.063656615	1.903454862	2.424258883	1.775954509	4.645263177	4.515732038	0.972211349
2.841496665	1.082682173	4.572010114	0.871966727	2.266271573	3.927854296	2.471260876	4.005192827	5.553536675	1.353931388
3.958625151	1.459212082	5.689571499	1.789692715	2.614557285	3.799089107	1.206969434	5.696000913	7.521018355	1.473811758
2.026692609	0.9169346	4.607009352	1.051048469	1.795447821	3.245665268	2.088000424	3.903136616	4.983383468	1.156716751
5.010058437	1.122566756	7.060882972	1.833676438	3.907527508	4.086719355	3.92614842	4.056512227	5.14930203	1.771578015
3.965909174	0.365351809	5.295403025	2.080100931	2.722053379	3.345147036	2.849527839	4.35952987	5.634711991	1.32771224
4.574624173	1.352588684	6.718978827	1.066361257	3.155472042	4.79893949	2.466715149	4.009508594	6.2333389	2.283125552
4.796961501	0.447328391	5.432005001	1.730669672	4.129086428	3.531566583	2.281955403	4.671485283	6.360700078	1.820210133
5.490328928	1.137777086	6.019519258	2.848115916	3.817536154	4.937400448	3.920058993	4.710648555	6.488173081	2.132707614
5.546783156	1.511450958	7.567521126	3.373400954	4.792558755	4.777435602	3.320075212	5.390086014	7.007252302	2.15549216
4.497892189	1.025176345	6.056407172	1.558699211	3.562983406	5.902531042	2.048441233	4.704727863	5.472400438	3.02335697
4.054740223	1.286577545	5.052000048	1.766417775	3.189832481	2.963925738	1.437665038	4.493771728	6.600409075	1.655869149
5.184217052	1.254204876	5.129899176	1.08041285	3.252780824	3.513319819	3.280722709	4.261751468	6.543865149	1.357374965
7.326082071	1.613928593	7.565794086	4.153449278	5.325649073	4.967548353	4.351418226	6.524447239	6.597592034	3.557937551
6.192987492	0.893707976	6.543500779	2.030961142	4.060918986	5.568847985	4.681782377	5.438303538	6.395506995	2.414935582
4.110493261	1.051664627	5.675653307	1.675551312	4.66351183	3.016181314	3.261359543	5.57570492	6.506297215	1.376890406
4.98198373	1.105122987	5.977313506	1.209098172	3.819180219	4.980758563	2.682510724	4.246369767	6.127000729	2.233056967
5.324376044	1.279339527	6.571168522	2.628245777	2.85042758	4.82817735	3.632984389	4.309939267	5.404660366	1.535600866
3.388449665	0.160488093	4.51579633	1.48472455	2.03478774	3.062898056	1.089243799	3.746403481	4.230837994	0.993378701
4.305040513	0.886059515	5.526395031	1.585585227	4.181028654	3.754587189	2.182262298	3.857317974	5.139474361	1.165792885
5.982478101	3.221392536	7.029345146	2.679436749	3.694182048	5.079542409	5.653737911	5.554118554	5.870836881	2.989776577
5.960101658	1.086033392	6.698259983	1.608742057	4.405617097	4.527246457	4.529292125	7.012451364	6.105569522	2.343465471

5.283888287	0.705103377	6.1384529	0.778596686	4.87394026	3.808745346	1.688330673	5.099783932	4.311017919	1.930366995
4.20021178	0.696270099	5.863402706	0.947784345	2.134989609	3.596200951	2.000651716	5.524187983	5.176610206	1.159200926
6.943220077	1.444365918	4.911751202	1.972870799	4.128289571	3.883476969	3.188653911	4.31698565	4.564935142	1.498078721
3.889403838	0.449010017	3.867920828	2.356388736	2.406741962	3.192505487	2.924840465	4.449678545	4.494675686	0.592807542
4.696724893	0.316205159	5.97615597	1.528325351	3.295209068	4.522491392	1.838907873	5.008632244	5.909260452	2.083972783
6.090479446	1.298050412	4.480261312	1.702403683	3.216628949	2.965552475	3.571042157	3.4006553	6.474436397	1.097238261
5.355542568	0.503126746	7.469734301	1.752601577	3.529851612	4.691228061	4.397761338	4.553598725	4.061918216	1.673002429
2.993990762	1.652287885	4.120062586	0.912489827	2.183287303	2.845187618	2.113787419	2.894826693	4.562290078	0.495894441
3.384085027	0.730410166	4.129697415	1.439638373	2.063630057	3.380517287	1.924972947	4.26075952	3.589831318	1.084927061
3.494894064	1.339359084	4.678335685	0.616260842	1.82428355	3.298196089	3.403994885	5.276089875	4.349161039	1.285762268
5.732022512	1.166218733	6.222635347	2.479905966	3.446034894	3.43565934	3.018214096	4.942745264	6.030705717	2.818745138
4.841297466	0.78257531	5.782909656	1.50834662	2.975780156	3.094991707	2.372591249	5.144633465	5.748978411	1.136805748
3.411881413	0.775228054	4.575991123	1.380239968	3.259501552	3.558535579	2.692312825	3.922563794	4.131157233	0.553297423
3.819020931	0.331509929	4.920893151	0.774042577	2.432023379	3.883611333	1.834852888	4.309511712	3.902426803	1.259768133
5.678677743	0.947726251	6.124229096	1.151709839	2.524428992	4.013173243	3.122133513	4.257861351	5.246380109	1.453186659
4.479781609	0.925821096	6.077585652	0.901930474	4.031877569	4.229943547	2.440840562	4.94960633	6.011142793	2.911921914
4.589213704	1.171445756	5.299778386	1.29469062	4.11614483	2.014792595	2.056317282	4.417859089	4.961000611	1.472711386
4.996576089	0.305408427	4.586909099	1.924463101	2.07338396	2.890178256	2.085330079	2.848603172	5.239691751	1.371009779
3.977752487	1.299893704	4.298009027	1.75753398	2.509510939	2.641198716	2.969040923	3.949484602	4.398505667	1.815332474
5.033171419	0.862009311	4.758489297	1.115032801	3.729359936	3.158753956	2.464305734	4.240964735	4.953948135	1.079065017
3.630483324	0.817587197	5.466283021	0.488208624	2.385632873	4.394904126	1.272741036	3.824386565	5.805264492	1.930778959
3.101768032	1.582035424	4.975764741	1.627206083	2.578326647	4.697334762	2.718692658	4.617072708	6.202007371	2.248663924
4.003594468	1.326590588	5.680396407	1.587391116	2.195653521	4.712631529	0.990693015	4.534586234	6.347448857	1.951864706
3.691462353	1.129414057	5.086603587	1.435442817	2.830788295	3.489810241	1.655331031	5.178675748	5.965553962	1.145544434
3.798933179	1.474015039	5.446105951	2.584868284	2.367256604	4.206845035	1.402043187	4.57630575	5.393478009	1.608812639
5.741839884	1.545727336	6.18855352	1.725830164	3.269780567	4.108544652	3.141430454	4.758257282	5.895684904	2.673682688
5.378834596	1.25322025	5.802525023	1.419797745	2.6202172	4.057988432	2.530360393	3.616955401	5.185115805	1.669021009
3.223994659	0.878495119	5.427187505	0.987708543	2.801806175	3.939973665	1.767695725	3.31634389	4.809551186	1.797331846
4.312753589	0.433103658	5.896918573	1.55948543	2.92415279	3.729662186	3.541437783	3.632545974	3.583949162	0.761215322
4.976484399	1.417693447	4.811090246	2.498218293	4.425415538	3.754278923	4.276995228	5.350725975	6.702276035	1.711464923
4.962438858	0.506777674	5.874342135	1.355727905	3.411014687	4.559944627	3.742889909	5.553948538	6.227532138	1.741938053
3.220959065	0.595195656	2.643345187	0.745498405	2.372442446	2.753620278	0.914647746	4.333418265	4.291456922	0.366907246
5.989444663	1.05163171	4.439676511	2.667894432	4.80213333	3.38215444	4.536864675	5.355292724	5.056530782	0.931791976
6.613137553	2.877876136	6.609737617	2.56658181	4.337381653	3.933175221	3.96099745	5.666342019	6.474489391	3.280065933

3.338353236	1.020250875	3.748592608	1.055177108	3.282517952	2.838330216	0.839583417	4.525672809	4.115057132	0.834315158
5.55657846	1.552784368	5.359992031	1.796975503	3.637902417	3.909633808	2.746857271	4.351762524	5.835058357	1.751262736
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4.713556488	0.511179969	5.788194491	1.94288076	4.049521449	3.913300137	2.925541485	5.195816653	6.357831828	1.884614167
6.077081233	1.533569606	4.579563807	1.006892103	2.258605132	2.218896522	2.334685573	5.012478451	6.750847724	4.574122178
3.863583171	1.202935483	5.093885542	1.214371002	4.179756272	3.257591148	3.380627238	4.712447777	6.391749963	1.691932572
3.097091455	1.168568802	5.424426034	1.785682552	3.325500688	3.220708366	1.407398789	4.43610673	5.403734436	1.086701665
5.416818461	0.97710572	6.427779872	1.897060655	4.016305174	4.663711652	4.035064258	4.528365819	5.979463603	1.701871784
7.314096419	5.295155689	7.128326497	3.789674408	6.085064624	5.068263925	4.442342331	5.403483777	7.156403113	4.335137376
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5.526336492	0.894809775	4.559682244	2.031254709	2.79490788	3.080035213	1.634005753	3.125493453	5.14021688	0.541594497
4.385497804	0.725095354	6.105804849	0.647827257	2.721691287	4.802490501	2.655643277	4.380410786	6.066279211	1.418017834
4.886124631	1.132320411	5.005268401	2.337074719	2.704022435	3.677578187	2.941586143	5.645302192	6.460725758	1.960132215
3.626616943	0.789240087	3.6477277	1.11699574	2.500617323	2.860237596	3.425913067	5.064479966	5.730734927	0.792424757
1.997020245	0.780941768	3.743778559	0.598404283	0.508533168	2.337897075	0.997424189	2.825279342	4.244330146	0.38186577
2.256072756	1.264110707	3.787592638	1.415831312	1.263650255	2.510105532	1.002005983	3.114940012	3.138912686	0.41699921
5.612520965	0.760683883	4.785343371	1.291293882	1.487444352	2.473060645	3.083627253	3.561430854	4.935131968	0.680208736
4.150878863	0.789624865	7.632800194	1.436372172	4.218664509	5.322348162	3.221905765	4.881730551	7.033681884	3.012892982
2.978142993	1.283264722	2.192989202	0.799090913	2.472008561	1.785582451	2.003997092	5.180459004	4.926873754	0.618669754
4.678645629	0.548348352	6.418614352	1.20749878	4.177144382	5.030200566	1.865836657	4.921611611	5.601704889	2.425928352
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6.226651166	0.647635073	6.652719333	2.173948015	4.509664698	4.015066829	4.872001564	5.346984326	6.95300695	2.221187717
7.330511803	2.78670386	7.040140168	4.029397789	4.922878212	4.372041721	4.895714877	6.014720646	6.98237495	4.473653981
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3.596169006	0.60127872	2.540000667	0.461346241	0.683524748	2.341729783	1.104889081	3.436474017	4.815964612	0.5305073
4.260734273	0.744347192	5.808126421	0.995842992	2.920394065	3.256909571	2.555520079	5.073838527	5.618544762	1.912651445
5.913116634	0.941354881	5.847003636	2.4256593	4.269182931	4.008266412	3.697680818	5.303161447	5.566717465	3.377666486
6.729360147	1.358672185	6.752661337	1.710090536	3.637856978	4.342260159	3.15269577	5.321736994	6.52632115	2.519850271
4.837275978	0.737557751	5.473614401	1.671170177	2.500727444	3.707962993	3.681055587	4.138019309	4.737872174	1.498719998
5.708916079	4.115815975	5.598715016	2.150121403	3.925385803	3.291818536	3.958188135	5.598867302	5.914655217	2.379663463
4.57104273	1.005040545	3.979119281	0.644478074	3.637070647	2.982547195	2.225382555	4.464753961	6.301370032	1.415105183
2.949633655	1.008693834	3.8825107	0.795811059	1.881896523	2.483654875	1.388641749	3.829179214	4.82176625	0.671385558
5.508953417	0.786055156	7.745410911	1.515765134	5.820897837	5.114851352	5.006413069	6.663641326	7.557766822	4.312951335
4.856596381	0.915666452	5.596768211	1.587401721	4.079585142	4.339361729	2.994634006	4.50615753	5.805409499	1.669388068

4.216666678	1.519285447	4.110118627	1.946936067	3.41406773	2.39338596	2.574546341	3.885318376	4.901747411	0.661866141
4.433252928	1.232444095	4.375356408	1.381394142	1.787942509	3.437748249	2.197226016	4.154702915	4.485824004	1.192672976

COL1A1	COL1A2	VAMP8	ACTN1	PGF	IGFBP5	IGF1	TEK	ILK	GLI2
10.7179202	9.575511955	7.936228547	7.083544955	2.905043238	8.079620435	0.553515486	2.742431932	3.89595185	2.69466302
8.639887361	7.498606267	7.690769439	6.616678944	2.690217734	4.780311063	0.153094641	3.29173896	2.837953294	1.105110364
12.13971815	10.37138127	7.434804669	6.303235456	3.797358959	9.6943476	3.771480992	4.239679061	3.284186447	4.345762861
6.754183479	5.300863399	6.900024156	4.914358748	1.647870161	5.35606714	0.281900994	1.785245862	0.892822533	0.90160487
10.58690484	9.249361753	7.986212834	7.739065878	1.802956148	8.828392738	2.315908698	3.834826745	3.370523236	3.227359504
7.620994146	6.591941964	8.2731308	4.998406191	2.966027859	6.771067991	0.419893666	2.372344958	2.842178172	1.307762266
10.17177726	8.677964986	7.583508997	6.487133322	3.376961566	7.295523162	0.261423201	2.156370145	2.928567201	2.173385585
8.127007106	7.343862732	7.246677324	5.584409367	2.568202292	7.510438846	0.637246956	2.749321203	2.841660349	2.268725738
10.27628181	10.23650374	8.018771288	6.33135718	2.662540575	8.815183752	2.810044061	3.806701106	3.552720628	2.230424722
8.318183238	7.149165266	8.280931833	5.727347047	2.125312932	6.202782035	0.288876967	2.141203987	3.219911957	2.286325356
9.566040172	8.663005367	7.693125139	7.013523478	3.348995528	7.828370634	1.156160375	2.519736626	3.604980611	2.657167017
9.430967179	7.800981217	7.010621671	7.510562957	2.866542391	6.312978189	0.088211066	2.04630542	3.116257105	0.86429463
11.92380681	10.5780886	7.692180353	7.458917392	1.574460163	8.036511189	0.437337226	2.37066092	3.443232258	3.180705178
8.896629549	7.479114479	8.191351711	5.111370406	2.338557215	6.547317299	0.587867309	2.71584637	2.389639315	1.458914817
9.260415763	7.692697161	8.783677049	6.533730895	2.161563535	6.485613472	0.454288819	1.539078633	3.576229441	2.901941374
9.826548367	9.367630526	8.192331189	6.330638645	2.514444995	7.576944417	0.291473036	3.442398853	2.923430424	2.322497279
11.07127681	9.924651048	6.799897816	7.664408883	3.161384583	10.03664887	2.430567092	3.78612991	4.026406095	3.882824823
7.734063276	6.954731909	8.494282072	5.631889427	1.993070627	6.59820117	0.51842618	2.430841125	4.626333512	0.81183441
7.239668145	6.467054968	7.225363849	6.407195536	1.513000072	5.850993872	0.193934481	1.991705586	2.453944219	0.43915055
10.03827674	8.702531982	7.039401397	5.989619787	1.983647555	8.1277342	0.861077394	2.20014069	2.18724599	2.926975923
9.119241419	7.911673862	7.660596314	6.263168848	3.282406993	8.357618298	0.738243349	3.171677683	2.975685583	2.046260015
10.47357424	9.19789974	8.014928275	6.026146728	2.679383016	6.36862763	0.281811654	3.08035703	2.789805547	2.186916121
7.985877756	7.196427686	7.50714155	6.980893657	2.833215745	4.222425627	0.718305037	2.462112407	1.99348724	1.055949889
10.66050535	9.386662255	7.203649242	6.846201155	3.298917525	8.140964964	1.482943902	2.519163305	3.283694222	2.385436527
9.02880556	7.810205163	7.798240444	5.970893455	3.195765803	6.197103953	0.421702986	2.741030459	2.532930817	1.110042429
6.980870813	6.601916215	8.218753511	5.989857317	2.456046631	7.53124374	0.862594733	2.883284798	2.752475427	1.278507629
12.29758906	10.94459576	7.281825645	8.172467077	2.346380218	9.0888663	4.436819835	4.158981822	4.942018122	4.631512061
11.08887085	10.18736099	7.540311001	7.573795093	3.03347503	8.623569434	1.544889594	4.190699397	4.034040021	4.136338261
7.492922228	5.942424806	7.457583353	5.615328428	1.268677053	3.836867333	0.123509219	1.919530819	2.071360656	0.653887137
9.591028583	8.590200163	8.175611176	6.751680999	2.239583885	8.741481486	0.98866186	3.009819944	3.070261184	3.004630319
8.673584183	7.748108521	8.098413603	5.724852001	3.094031257	6.399905024	0.485144882	2.164651301	3.15266663	1.56908261
9.059418724	8.148254486	7.423467168	6.44093766	2.124166033	8.033396946	2.060385776	3.89367792	3.827462511	2.69386183

12.24929562	10.86917396	7.103772394	7.14061671	3.034677965	8.282606362	1.519395561	3.382007353	4.180750606	3.634449362
7.656713923	6.60733415	8.135055621	5.672965429	2.008592823	7.431641821	0.497296296	2.032920954	2.541536442	1.150447693
9.625218843	8.452754639	7.406986762	6.624033938	2.625690336	8.270110209	0.754329799	2.894395124	3.995598631	2.170563654
7.455910403	5.816330252	8.279274092	5.347048041	1.900088808	6.236619261	0.173925012	2.329186733	3.024594981	1.104556816
6.871758045	6.012838376	7.779529027	4.956004324	1.38653858	6.777963004	0.608008821	2.391066791	2.161095411	0.988214951
7.795557611	6.756377651	7.812037342	5.621619766	1.770889681	6.662160357	0.420532307	3.022602866	2.648559619	1.780891943
7.185121401	6.060858566	7.960928944	5.677828454	1.331820271	6.733576405	0.218101484	1.869065447	2.773868075	2.783505454
10.08735824	9.564032542	7.945220621	6.184822849	1.486208885	8.892449188	1.023607516	2.942087444	3.281026237	3.367271254
10.73970538	9.21733588	7.483869421	7.315630152	2.883284252	8.520917332	2.2845763	3.229924264	3.456972621	2.516901176
9.728286335	8.367290241	7.505667588	6.195194536	2.660951751	7.206264742	0.284605993	2.694239962	2.844951401	1.593407941
12.51206533	11.17094756	7.576380722	7.422946327	2.994374701	8.762088784	0.930162666	2.445644776	3.723673926	3.632605683
9.310555964	8.617569399	7.87935562	6.073346522	2.023729187	6.6341498	0.784890156	3.118028193	2.746448971	4.016315895
9.679977027	8.78142433	7.695617149	5.989806133	2.608838407	7.008979243	0.355397389	2.362239414	2.944872424	2.372489982
9.84533339	8.464372638	8.222936578	5.26094528	2.674828096	7.376315874	0.248205171	2.655985576	1.61473846	1.289943168
10.9947832	9.717190273	8.127225089	6.490589914	3.040224996	7.845651033	0.935269582	2.366318309	2.512596348	2.09768815
11.07019629	9.470203315	7.752720146	6.079338559	2.016414019	8.142825023	0.188701843	2.387723945	2.668454608	2.166218261
9.275806707	7.693216116	7.937912585	6.07394954	1.645215461	5.176255164	0.093876394	2.139891869	2.358108365	1.865120619
5.541608059	4.481503596	8.567018639	5.246884745	1.540938544	5.42585199	0.387039755	0.716710761	1.947471679	0.59368238
10.90612728	9.542233486	7.964974665	6.301473416	3.524219309	7.567884584	1.198303051	3.522799539	3.201945593	2.612113153
8.972436511	8.172603133	7.740886591	6.117807083	1.836851694	7.825011686	1.054915081	3.809430896	3.195229798	2.324210843
8.39772296	7.802274941	7.67403867	5.993463833	2.79242089	7.066621685	0.922232166	2.959543713	2.677868773	1.662592224
12.05243885	10.44477488	7.801256926	7.081256401	3.231371049	8.515363876	1.523336116	3.397584485	4.293504838	5.054480476
7.755813123	6.250920949	7.620414493	6.137519876	1.76671452	4.898233873	0.12476061	1.732304325	3.638078213	0.655678484
9.609933235	7.951986966	7.760311762	6.598655939	2.723813741	5.425415778	0.207948748	1.800213457	2.902646499	1.018266234
10.82968556	10.24423646	8.085665795	7.818923858	2.7351808	8.439194352	3.152392629	4.09577505	4.25097873	2.733041481
10.44175379	8.914443163	7.506961898	7.093326947	3.816427152	6.177759572	0.030104933	1.427223332	2.921865996	1.09278017
10.99211553	9.650100558	8.440811949	6.726090644	2.442804401	7.836038286	0.765521911	2.514098517	3.28292319	2.036150921
12.02371062	10.66029625	8.265729126	7.551597851	3.357678023	9.386226072	0.973755715	2.740484289	4.234376196	3.137515412
12.87118329	11.14342028	6.91697548	7.727710674	4.473729804	9.537322931	3.878479718	4.955803486	4.203270188	4.696914006
9.661496337	8.291354884	7.475424807	6.542545655	3.193894693	8.940464444	1.042169557	2.974609869	3.056431416	2.305592193
7.933771648	6.402146211	8.256811674	6.295264704	1.472874727	7.100986191	0.779318609	2.153965432	3.25442584	1.748481997
10.63764891	9.537247729	7.47231012	7.008288664	2.492831139	6.989794711	0.52281415	2.041495541	3.288749504	2.833893499
9.53053918	8.802345169	7.686704124	6.604017778	3.505272889	8.025244096	0.439285571	3.02631628	3.525127862	3.341067384
10.89954514	9.391019853	7.7905835	6.994889714	2.426045888	7.422696453	0.453657018	2.420419281	3.114494822	3.878656882

10.66182936	9.363669503	8.229840212	6.494630874	2.455772318	7.538474247	0.860360949	2.943164252	3.874894742	2.306062937
7.172122788	5.663786426	7.651116371	6.391922618	0.617859686	4.023661471	0.087736094	0.727515441	2.876061594	0.24590748
7.992722413	6.205344325	7.629961951	5.783431074	1.611460679	5.834349674	0.076339239	1.643298399	3.072745081	0.487657029
6.950103602	6.642238237	7.397567972	6.026912128	1.265480379	7.443683835	1.562370256	3.324795369	3.082319317	1.628533822
9.275841468	8.027003045	7.82719184	6.316821977	3.198465479	7.0416397	0.189857931	2.247348349	2.693430929	1.367729898
10.97548519	9.643850744	7.719929686	7.379328971	3.19851549	8.8963605	1.191067479	3.637747625	3.733760165	3.032859286
9.193715177	8.178960451	7.046367013	7.057363009	4.60619539	4.537616741	0.206953612	2.402805051	3.337723931	1.390632475
10.73310376	9.671229631	7.396059777	7.304963757	2.9974795	8.696315714	3.123879678	4.48178375	3.940730526	3.810938845
8.937233511	7.550879789	7.035525043	6.752745287	2.163958135	6.894616464	0.425299327	1.654362104	2.995390027	3.424788295
8.724037382	7.895523879	7.579445336	4.796465085	2.999270719	4.56343945	0.111259304	2.451723436	2.466812285	1.597007485
11.35422606	9.997921243	8.32493305	5.7735556	5.149335427	6.849704682	0.260446518	2.608374743	2.649246218	1.979162984
8.387018383	7.219933971	7.965794534	5.212184447	3.084014605	6.574356284	0.3871584	1.584119877	2.530297286	1.502967477
9.253925399	7.917969277	8.369247161	6.164237468	2.595771288	7.058091554	0.315712345	1.292993641	2.299576376	1.34252067
9.034809367	7.936808946	7.970742404	6.764029739	1.716898554	5.453736163	0.320712393	1.694762362	2.958040394	1.19046107
7.606985845	6.778974362	8.514565257	6.207816006	1.356075561	8.054671338	0.442941363	2.545649318	2.72004663	2.224662558
10.10193957	8.458834148	7.463538117	6.795120694	2.765057847	5.446462542	0.048191376	1.240335079	2.639254286	0.480927576
11.31063448	10.03801072	8.121019708	6.1934676	3.616636805	8.917446425	2.33376811	3.623625069	3.57901024	3.537454981
9.696291758	8.205931047	8.355884436	6.878105385	1.683181502	7.265772678	0.462856469	2.239154697	3.597556633	2.488866935
9.36176446	8.350697934	7.798153526	5.721813203	2.574200177	7.933600763	1.100208679	3.482465339	3.46561879	1.924176985
9.339871608	8.565065038	8.632352717	6.723382072	3.805306002	7.424275454	0.534066074	2.417674507	3.152644636	2.339239095
8.910745752	7.903302	8.110283732	6.950268152	3.720375396	7.406288584	1.32428534	3.783811612	3.844970162	3.468551035
10.73876561	9.589237851	7.386390099	6.589865618	3.127604446	9.193160114	0.300066823	3.626061314	2.648467403	4.88574203
10.30245856	9.098448805	7.801416641	6.413458001	3.502796104	7.798187738	0.37498264	3.651786486	3.136910214	1.84345186
8.983245955	7.662324332	8.459081954	5.893806165	1.77123705	6.504162479	0.260962795	2.41636044	3.032482062	3.25754646
11.38591249	9.975131348	7.59905738	6.201544087	2.27532979	6.814206979	0.206220629	2.286670172	2.223015898	3.252991202
9.579177202	8.760138311	5.674184341	9.117012654	3.056177998	10.0092054	2.321323189	4.760597288	4.680367733	3.427367993
11.14475012	10.07137001	6.923242468	6.833656376	3.091354979	9.114889474	2.407918768	3.990807225	2.772486847	3.734716472
11.03248306	9.45549151	7.960166293	6.93442137	2.140071385	7.169977476	0.035332698	1.897710863	3.225621827	2.368689038
8.2762326	7.737198488	7.500617355	6.191503286	2.181455159	9.490882596	0.876002611	3.616406774	2.425368575	2.013770098
9.389021875	8.546693316	7.340497804	6.15613195	2.589031645	8.479855351	2.409030596	4.181458201	2.466696675	3.105038189
6.812457094	5.940997724	7.661751818	5.46959447	1.94658849	5.868704648	0.482307627	1.970714314	2.994165469	1.995249609
7.427173388	6.620508699	7.541342007	5.103599681	1.572791425	7.02786467	0.997632967	3.280111463	2.72194815	1.581742187
11.94618114	10.44414699	7.68340134	7.61282313	3.840034439	9.957810024	2.368503811	4.468515175	3.91170498	3.678760462
11.46244207	9.838794801	6.468177046	7.358292873	3.440287817	9.03010524	0.68194307	3.014460751	3.25792118	4.379629485

8.406152239	7.374099167	7.236624989	6.228175012	2.789083806	6.005660612	0.245565995	2.387974389	2.606070124	1.465883247
7.983948304	6.866046447	7.614179049	5.820533008	2.542698727	5.54470187	0.242158267	1.878871151	2.334161232	4.042992486
11.39293347	9.865206237	8.207977742	6.492021558	2.215424974	6.211097153	0.205387586	2.190227971	2.379831748	3.017369109
9.730138387	8.165914627	7.964084839	6.685802068	3.170979961	6.440526712	0.527854242	1.710138387	2.390739963	1.214073262
9.297745979	8.371111973	7.522867927	7.094725326	2.462581806	8.109391326	0.714302579	3.086389822	3.379017416	3.299758019
11.19890643	10.04111324	7.859746527	7.036740404	2.701385118	6.2615202	0.496407006	1.530046197	3.93138207	2.550761904
12.2279926	10.61400262	7.897267208	6.994322127	4.02783096	8.37985114	0.954973921	3.383270651	3.683431484	2.508180613
8.216945177	6.836800935	7.482844612	6.524230735	3.060930998	6.701350793	0.035291654	1.790373336	2.109286134	0.657069469
9.933766215	8.131041078	7.821404102	5.790034212	3.498877147	5.870876026	0.271591336	2.152250952	2.643035938	1.639463613
7.78441509	6.444223408	7.041136149	5.544864206	3.520679613	5.080575415	0.216194768	1.997466855	3.010221896	0.7953898
9.175038121	8.027972809	6.977613341	7.684494624	2.985167099	7.949071898	1.650822522	3.422249196	3.547163012	2.277794173
9.320222517	8.552447144	7.788919516	6.216324345	2.432621845	7.390469257	1.082306653	2.171600134	2.709435179	3.22000683
7.672815969	6.393446319	6.874417446	5.304391946	2.181828896	6.664125375	0.813439389	2.417712326	2.556957752	1.815878815
8.094739936	6.994147206	7.281319499	5.240892233	1.856517781	6.16899758	0.46680779	2.437035314	2.443979617	1.466015427
10.99937092	9.3397276	8.363444355	6.760942988	2.470333465	8.05328624	0.266549641	2.668906067	3.138856358	3.213413745
10.16371159	8.756752886	7.319447258	6.240297353	3.523763274	9.286578655	0.616383284	3.433564892	2.647293352	2.492475495
4.957543056	4.735675733	8.522685429	5.657088709	1.219166176	7.684148841	0.59576341	1.721305937	2.426952128	1.75503447
7.354855155	6.875670501	6.819578273	5.623098658	3.142433654	8.308353793	0.368006432	2.926380318	3.199039619	1.225208472
10.58747423	9.111818218	7.082209346	7.321019684	2.38301298	8.417497876	0.486537585	1.621267326	3.157595922	2.245400868
10.19217431	8.398165989	8.402549664	5.893505038	2.150428627	6.10407689	0.105101	1.320759956	3.068112482	1.416141221
7.601411174	6.746269676	7.892266057	5.050591413	1.526923617	7.475277454	0.185539123	3.162422548	2.347570917	0.97079794
8.434516307	8.035090728	8.483412508	5.617326224	1.566025073	5.897251919	0.299101849	2.756568694	3.118862898	1.022477466
8.458401284	7.036091996	8.528431317	6.056366667	2.045591941	5.281662988	0.122615526	3.242949104	2.234588937	0.656788641
6.956074685	5.899536013	8.26009733	4.482823579	1.571950987	5.02256882	0.213108959	2.020730322	1.668455109	2.076792315
8.496928684	7.090271427	7.35695106	5.45993403	2.374571552	6.87708665	1.184029932	1.715638308	2.275860721	2.886306432
10.39800688	8.987612489	7.350435822	7.426221117	3.027555266	8.156880382	1.182820141	3.262838496	3.836095746	3.082733842
9.553937034	8.216633869	7.791131138	5.870326743	2.261264354	6.83774615	0.309315605	2.801407258	2.982900009	2.983720998
9.376300695	7.651897568	7.976330309	6.250010183	2.608452015	6.683219364	0.158661088	2.39956665	2.907244036	0.831695513
9.238657843	8.297128817	7.512019764	5.225127854	3.125357833	8.35869054	2.258989944	3.329269117	2.764883967	2.169486181
11.36140325	10.81644803	7.253477673	6.847332976	2.796533424	7.703577747	3.121693407	3.40282504	3.109427978	2.941974129
11.56163843	10.13342106	8.286631317	5.839840214	3.218929099	8.108378412	0.786223873	3.429213679	3.30002519	2.667303448
8.607884329	7.650342462	7.936332936	5.45593835	1.902882755	6.555149624	0.456178623	1.353429778	2.143987017	1.296142712
11.02445248	9.564400823	6.856724838	6.848154458	2.650481079	6.988974414	0.408153974	1.101496609	3.301456005	1.845201582
10.09352016	9.184869322	6.230796402	8.712865505	2.352440464	8.717196644	2.328861985	4.24280799	5.08085579	3.960281618

8.549585914	6.986325398	8.10674449	5.098614275	2.685523534	6.324460213	0.088635088	1.144807007	1.647379207	0.864253224
8.382404088	7.88872816	8.036206543	6.144703732	1.972744991	7.631796321	0.773343721	3.362781839	2.649232871	1.814964578
11.12128131	10.10698935	7.091777414	7.846746885	2.87485914	9.623663347	4.044458452	4.918944908	4.620658102	4.430767727
9.718267192	8.726078203	7.696060969	6.725144204	2.356939693	8.978361544	1.085653868	3.219213648	3.41006017	2.662509138
9.651256416	7.936851811	7.961820524	6.292093153	3.470777469	7.288308685	0.277765317	1.631963366	3.039113947	2.966440263
10.97778106	9.388698387	8.350262321	7.176380933	2.441243288	7.434956922	0.345732717	2.284024555	3.13786721	2.734608712
8.54121894	7.551714657	7.237848637	5.281904198	2.693047605	5.804155681	0.299467315	1.593320077	2.705475004	2.038013515
10.95369805	9.854303891	6.971710346	6.157849405	3.605437201	8.821467538	1.199660786	3.608613727	2.629775293	4.012442934
10.33915365	9.450645115	6.266230951	8.896569724	3.090551215	9.446047737	3.284700026	4.857264372	5.67164348	4.867677219
11.21094703	9.695244811	7.931834586	6.12040631	2.145610239	7.895330566	1.776921133	2.894350296	3.446636677	2.449781218
8.060456631	6.914406802	7.907393399	6.220851173	1.737820057	5.842226983	0.151646904	1.201370622	2.196815826	2.577788622
9.31109202	8.167220064	7.981827719	5.38556926	3.405494051	6.307881794	0.243979051	3.475941752	2.003085796	1.304989865
10.85475667	9.327102807	8.64976567	5.885766363	3.284694078	7.477209079	0.147756099	2.342576951	2.747174535	4.632455246
9.018558808	7.374994847	7.867066616	6.625485766	3.235078509	6.302417673	0.085679114	1.043132688	2.467448244	0.865369006
5.559827689	4.243761773	7.045601038	5.534575035	0.995795991	3.159342146	0.117666871	1.427313652	1.966968326	0.252639944
7.629080355	6.111015132	7.962733965	4.656246161	1.147971017	4.304069776	0.116425858	1.320218349	1.660929558	1.507480389
11.27896906	9.516327805	8.347658807	7.003093502	3.101304367	6.251970312	0.366015172	1.31645144	3.257814584	3.382979636
11.32786102	10.25192244	7.282427075	6.590492514	4.503013012	6.309550077	0.155009581	3.112391116	3.153591892	2.620092165
10.55822523	9.106620925	7.915617811	6.659869599	1.928383074	4.504793483	0.116429175	0.886542493	2.770350499	1.747584773
9.057884242	7.880086922	7.310548627	5.509737341	2.298413651	8.341776399	0.766352049	2.887972155	2.108910621	1.913661824
7.771339099	7.34518375	5.739937261	8.890568705	1.403970252	10.08194732	1.264254027	3.502488685	5.189701502	3.51401733
10.83815467	9.923994065	7.481442275	7.594926238	2.126357085	9.588219915	2.246897365	3.708071473	3.876769941	3.807725991
10.25237666	9.62778969	6.412572494	9.065708303	2.319710628	9.474019559	3.072087145	4.452248106	5.582801152	4.236180894
11.90089716	10.74733555	7.808285058	7.410802776	4.09515959	11.0188137	1.380056898	4.458445209	3.86911	3.857776001
6.924120264	5.440786266	7.620430781	5.297129987	1.450637598	4.470509814	0.104957609	1.076690807	1.270816444	0.325039564
10.29661746	9.011562922	7.026237755	6.897747352	2.821935488	7.291774651	0.874712767	2.612828446	2.195453699	2.054641314
8.845973931	8.497132972	7.173551666	7.4477278	1.812261117	8.581631625	1.729650696	3.759600756	4.076616307	3.328564927
10.26700997	9.129839073	8.404473224	6.921132578	3.197391846	5.512315145	0.067918348	2.380868588	3.620670751	2.860690744
11.00627042	9.353214944	7.816050438	7.003388997	3.254198747	8.330248924	0.421442827	2.640192911	3.18424252	1.764168233
11.90472193	10.41346777	7.925087888	8.323529572	3.200592897	8.423391212	1.157338004	2.802172962	5.371878768	2.889359439
10.19586841	8.468847706	8.879112735	6.500180916	1.743153399	6.77175859	0.118402713	1.891312886	2.798275673	1.146762286
8.515914055	7.370317234	7.839934536	5.560260663	2.147001434	6.650582748	0.102953037	1.844945906	2.392872199	0.807929369
13.71218722	12.01506169	6.568664722	7.857174968	4.664702175	10.43671242	0.589950835	3.451120515	3.652038656	4.015576271
9.258220025	8.255014094	7.31808471	6.080446545	2.118604377	8.407667973	1.614002283	3.291874391	2.830918048	3.34096281

9.200180452	7.611323877	8.68727208	6.166430311	1.679715548	7.614128615	0.840551851	1.684383194	3.019374481	2.567907089
10.27681543	8.549568421	7.719654284	7.571387301	3.147161353	5.179788801	0.03164638	1.251612999	3.350763841	1.1045516

VAMP2	C3	VCL	TLN1	GNB5	GNG7	FLT4	VEGFC	FLT1	VEGFB
5.018614415	7.777860437	6.427819177	7.774850984	2.135677406	1.839389954	2.602837631	3.722178699	3.519804647	7.300975247
5.609503727	5.385703896	5.747153492	6.992801985	2.031500813	1.104097393	2.934280226	3.327844819	3.961742919	5.832550558
5.567752717	10.21314289	5.388881572	7.512264052	2.036138656	2.938147581	3.638392212	4.89751918	3.974561703	7.788048426
4.60536448	5.250942774	4.710521233	5.56121812	1.389131011	1.867165098	1.34825722	1.242667492	2.43647329	4.116749102
5.963838108	8.364879622	7.168852479	8.256987119	2.21818228	1.985508018	2.70274595	4.063827497	3.221259302	6.516095111
5.66973838	6.397406878	4.856595228	5.740706139	1.606401385	2.369307799	1.641627937	2.825059449	3.201091387	6.5455494
5.553518827	5.961517817	5.868846852	7.167496944	1.325689847	1.647075441	2.118783535	3.547427542	2.536177875	6.772984994
4.760834419	7.269762252	5.273446113	7.106496674	2.113065332	2.411766232	2.080206498	2.745370904	2.837688885	7.119879434
5.160839738	8.336852191	6.185043597	6.486475695	2.503554011	1.781024948	1.622104789	3.511914524	3.51173445	6.324223358
5.433226105	5.384249596	5.492877292	6.977316544	1.002845135	1.226293459	2.229899012	2.284051043	3.124787722	6.492525507
4.842248801	7.97979017	6.069921789	7.727637394	2.176541703	3.631630171	2.138268077	3.36618732	3.218667207	6.907907401
6.44029842	2.796843289	5.443781211	6.18845325	3.941875076	1.767054232	3.853009665	2.811988736	3.692429502	8.297042989
6.26422909	7.426225209	7.533856319	8.103568671	2.436968007	1.776639761	2.809298872	3.710823931	3.393156872	6.455624266
4.88419362	4.670267456	5.854167493	5.853741864	1.808530427	1.427559444	2.108894866	2.519355542	2.563956198	6.23945173
5.393378272	9.679355051	5.753487892	6.657932478	2.034254792	1.327299381	1.946263331	2.973037181	2.780654248	6.811899373
5.247013748	6.487698413	6.873545753	6.259570786	2.358344022	1.72051393	2.365429804	3.841681232	4.424086827	6.003500243
5.374073165	8.670086355	6.984274622	8.161206364	3.124275086	2.561750211	3.128672655	4.564735545	4.396387421	7.392719893
4.864040417	5.668792817	5.873298877	6.340547298	2.870890618	1.346160807	1.552521687	3.205963784	2.362702201	6.313768129
4.005268764	4.358892743	4.316845931	6.329017126	1.495131561	0.378653216	1.068980955	1.724667224	2.939718897	5.518980148
6.272563824	8.287810531	5.37744167	6.421090112	2.324584294	1.2464249	1.878948911	2.860382345	2.941260049	6.904335485
5.733213671	5.988412216	5.880154514	6.79632643	2.190235511	1.844826151	2.079559614	3.465636803	3.08831293	6.246449874
5.23051916	5.848927096	5.273497726	7.125618928	2.530851333	1.797616483	3.188019525	3.313799083	4.683077492	6.931987956
5.231378725	4.31584186	4.68528352	6.143801522	2.05884275	3.242148641	2.934262491	2.350161673	3.627733425	6.727152167
5.166168493	7.181818851	5.513450689	6.919118142	2.550910188	3.754361388	2.832880151	3.757263979	3.977961586	7.142405024
5.772529003	4.847609766	5.187983918	7.165436087	1.201854414	1.649387708	2.753999479	3.187767564	3.734595139	6.540671145
5.383985119	6.370893997	6.116656605	6.677665751	2.258783739	2.88962822	2.631335499	3.951211169	2.953539312	6.49342155
6.140564213	10.25499895	7.662831327	8.754775704	2.813617078	4.021661524	2.80582119	4.826841109	4.309848168	7.746792242
5.778683907	6.683254991	7.451501865	7.746169682	3.748239395	2.771425953	4.151049674	4.322620495	6.335314126	6.927284641
4.569274436	6.379361214	4.666836597	6.344250657	2.02268937	1.218639263	1.025754096	1.838425146	2.313394941	6.905947231
5.574475244	8.584968516	5.413360134	8.059880848	2.432717367	2.367655804	2.521189378	3.28969246	3.40062171	6.367205074
6.485720564	5.748542511	5.920990613	6.438887735	1.769846923	2.171492345	2.309457901	2.665192637	2.740782889	6.936592134
6.489390698	9.945580858	6.3671697	7.536149331	3.166602916	3.350321166	3.536315265	3.626321121	4.701974888	6.383674261

5.100441555	10.35482372	6.844945809	7.964695481	2.73704168	2.722914814	3.299689391	4.069264427	4.082779381	7.196202218
4.266594212	7.575761004	6.333469281	6.013438252	1.307118882	1.411037687	1.572398877	2.062256165	3.028108967	4.680648536
6.115232709	7.834526027	5.707054317	7.714683012	1.831081651	1.49178447	2.666973489	3.38323092	3.531441288	7.624178665
5.496368352	7.843457741	6.033912408	6.958293297	2.798843991	0.78188864	2.058966735	2.206496269	2.936458271	7.003901095
5.16371311	6.279998973	5.691078962	6.85695407	2.766021341	3.446725724	1.775770862	1.977299435	3.150716837	5.819458815
4.676305957	7.470462795	6.583269156	8.485403875	1.662251884	2.30921167	3.092822347	3.020456162	4.175567084	5.868546441
5.123304574	8.328582533	6.44216737	7.148365778	1.908404474	1.768377361	1.513304168	1.563342537	2.804076685	6.225343292
5.283485088	8.161108806	6.83429388	6.586283214	1.804617188	1.741569408	1.981537006	3.285888357	2.491558872	6.60860299
6.117278136	7.73094759	6.535716696	7.526507823	1.747054594	2.195598592	2.970964661	3.718942089	3.128412344	6.25859238
4.377180402	5.835099862	6.73465496	6.678194148	1.903351458	1.24115914	2.56097991	2.879718625	4.739087665	5.499784702
5.787966476	5.990445216	6.339226906	7.711060773	2.640551601	2.507319941	2.154718144	4.264629956	3.704594903	7.21376743
5.639951505	6.565552421	6.804701406	6.71571526	2.535733285	1.387737834	2.562976079	3.781025368	3.994796681	6.764320351
5.907889284	5.954445016	5.970198536	6.95583492	2.635995534	3.113917208	2.164671927	2.795275036	2.912926755	6.573647001
4.983201681	6.640021322	4.375171064	5.371205826	2.153979949	1.175881657	2.36948541	3.247995305	3.159233591	6.558943989
5.437201136	7.731576518	5.610878075	6.411272593	2.1513547	1.586357064	2.210978853	3.706095877	4.099509264	6.472730222
5.346776357	6.638654672	5.912067611	7.206759127	1.077421841	1.965262628	2.252116038	3.305746557	3.531463112	6.481422577
4.324878297	6.877981217	5.943461001	6.416712267	2.146970036	0.885747198	2.22817467	2.176308023	3.432440429	5.115502264
4.436397628	3.895375109	5.176934007	5.735575192	1.538404793	1.334016084	0.72764596	1.456782182	1.330069396	6.143567461
5.182827255	7.93475303	5.55933798	6.945299468	2.640198459	2.749867891	2.762547119	4.159369865	3.999634471	7.565895171
5.248621812	8.935530714	6.70019275	7.166738849	2.673829473	2.105685654	2.621639234	3.457517878	3.955342622	6.803051499
4.876923726	6.521244761	7.429255734	7.754703561	1.275499124	1.555642387	2.118174294	2.948699398	3.318352706	5.328612053
5.630463331	8.562137855	6.595255721	7.683640373	2.907324971	2.042723714	3.188777853	4.324102864	3.406475319	7.776727551
4.451181722	4.772590575	5.126697072	5.061854912	1.27600564	0.706400199	1.275715699	1.982365824	2.352387473	6.991077138
6.114430002	8.194125029	4.106000053	6.050361607	2.146776383	1.578783525	2.819338101	3.201802665	3.930443831	7.391868352
5.270101245	8.978026523	7.026904048	7.921385516	2.51838666	1.904291354	3.678789453	4.514291983	3.794112511	7.107044004
3.964446691	5.064139067	6.04741487	6.319807473	1.482712451	0.385795189	1.55670864	2.696480852	3.14804919	7.053186713
5.615243907	8.015038106	6.142964147	7.474960855	1.895736352	1.510838273	2.930250079	4.148447848	3.423906661	7.087856324
5.648335003	6.228131704	7.342285872	7.531224946	2.107544876	2.187962208	2.849040878	4.05017901	4.045338575	7.709215599
6.050405579	9.637360648	7.02270615	8.361726587	2.490205258	3.130906011	4.314817373	4.992971822	4.450112175	8.228602328
4.918830637	7.575083847	5.415817602	6.937232767	1.537011205	2.643934098	3.008285428	3.181679232	2.862988751	7.025131841
5.529867267	6.463698766	5.487397103	5.873826746	2.555935125	2.953193641	2.075758243	2.437243741	2.428959427	6.683929548
4.851504328	7.968432928	6.736103555	7.455201086	3.123408035	0.924711036	2.004032827	3.042507601	3.097194461	6.650053644
6.261202444	7.446652743	5.716987487	6.545502924	3.717150108	1.291113055	2.06116648	3.252643522	3.324817652	8.050943401
5.588311171	6.309156626	6.898597207	7.281000172	1.728053516	1.470886974	1.857531792	3.494576457	3.373205369	6.519282821

5.692950685	8.45927883	6.218462183	7.306118101	2.33004949	2.320886211	2.965068464	3.918180474	3.843600026	6.766848174
3.359705169	3.981043272	4.530522748	7.02298936	0.649908915	0.585235124	0.511495857	0.535052687	1.345457976	6.864211763
4.834716099	3.475780831	5.507556179	6.699144858	1.378733747	1.027447457	1.270274542	1.451630807	1.76078373	5.860638146
5.660438078	5.62366332	5.944789104	6.373653518	1.658512609	2.890711603	1.955669226	3.390212954	3.433434303	6.225823984
5.432535724	10.91237866	5.566019831	6.989491875	2.325335189	0.967890258	2.746898284	2.280385838	4.030641551	6.656488451
5.974575101	8.311914405	6.55966996	7.46705595	2.599611982	2.551892209	2.687778811	4.484153331	4.583250834	7.786294625
5.73664848	6.162527356	6.069250118	7.759283165	1.869282581	1.795590424	3.706099235	2.24544585	4.63971853	6.883504362
6.31904663	9.306234683	6.856947995	8.121646456	3.33447724	3.420145219	3.44300905	5.074014535	4.858673625	7.411079769
4.601258733	6.159547368	5.74143316	7.947698973	2.161552268	0.751796777	1.512594641	2.273507417	2.743747923	6.816829534
4.469994026	3.794571848	5.576065624	6.089833879	1.887603104	0.675386589	1.925184349	2.505759179	3.516308495	5.672222953
5.105500464	7.869669786	5.912569629	5.993012218	2.313056491	1.828788779	2.554354215	3.714671072	3.345700089	7.009076164
5.38940227	6.91466367	4.902368342	6.601868728	1.180902973	1.68450663	2.549160643	3.096452113	3.412940124	6.414281346
5.90377335	6.111748608	5.799451044	5.862971494	1.60800396	2.237676375	1.707227518	3.082149718	2.352085118	6.664723166
5.381360306	5.962059736	6.303802637	6.835072363	0.685490707	1.445709228	2.114353635	2.945310482	3.835752649	5.877793176
5.386473842	5.153656897	8.462794181	7.868427427	2.004437552	1.489564855	1.663063441	1.653821975	3.100196093	6.060551353
5.442174027	3.185516773	5.838120535	7.088041257	1.798302776	0.379774227	2.535970506	2.352006865	3.226714164	6.166373335
5.97051645	10.37904107	5.625027596	7.70244566	2.410476728	3.562649759	3.310469232	4.448692313	2.771844321	8.210659173
5.563833946	10.2709703	5.909084576	7.289051902	1.772434098	1.472972591	1.802063215	3.216700589	3.177464902	6.877342336
4.440417133	7.127224629	6.252106488	6.791118327	2.435191505	2.173537701	3.092002354	3.060364261	3.74106547	7.047652777
5.432037232	7.988077063	5.412047957	7.418341145	2.937734568	3.181190951	2.260026127	3.46148701	3.396369511	7.368037775
5.681634486	7.620702802	6.741298835	7.997702247	2.139412057	2.531784478	2.94473025	3.792236314	4.262471594	7.057583879
5.429530351	9.539690944	6.715154772	8.106892228	3.213964724	2.691616952	3.251699293	4.3055709	4.929818862	6.636748488
5.304646251	6.40386719	5.771679005	7.261527157	1.781787663	2.119263413	3.703138479	3.34512519	4.996616514	5.827537205
5.602321959	4.994919474	6.046449388	7.560264338	2.659153026	1.045399777	1.760529019	2.231608026	2.615296036	5.708505659
5.022661871	6.354719213	6.019365782	6.431627915	1.832833503	1.11613977	2.403728446	3.625955059	4.265887585	6.496927693
6.64018701	9.662400562	8.350885836	9.712040595	3.008732019	3.644840466	3.634740939	5.185707068	4.617788622	7.58362996
5.440038109	8.113931234	6.436491168	7.852263567	2.343952043	2.591378697	3.612295457	4.130368717	4.59138667	7.017345013
5.798184644	5.557435309	6.59941961	7.286809391	2.318122148	0.597285857	2.198525509	3.538398087	3.409846436	6.504342183
5.748664522	7.372897608	6.458259487	7.323272466	2.201626577	3.346122976	2.487420675	3.147029199	4.377447987	5.739784965
5.882789579	7.093751041	6.539004001	7.171142583	2.275382463	2.877576707	3.411701354	4.148696722	4.594336124	6.450243193
5.499305434	8.00489062	5.174631613	6.472449018	2.476559366	2.957676162	1.585987817	1.972974603	2.585914092	6.644661316
6.040487873	7.993414357	4.784844908	7.27619389	2.646854857	4.523236275	2.464358053	3.124645464	3.369908759	6.397433687
6.284184041	8.531369273	6.958103084	8.424374612	2.166589225	2.80639964	3.689700534	4.848642484	4.253730861	7.557204231
5.706538661	10.35026286	6.554323339	8.259975	2.9422069	1.735979891	3.187854775	3.381112143	3.861641928	7.151572993

5.800331895	5.986686344	6.652153914	7.486946908	2.210483004	0.928168971	2.860063933	2.3161692	3.696281039	6.688158675
5.404618197	6.064336189	6.947332157	7.162437064	2.478439107	2.844454146	2.478601313	2.102051873	2.827988668	5.758612311
5.031075767	4.600501537	6.602497509	7.810704606	2.136483538	1.067601258	2.636071087	3.242857121	4.823985953	6.66288514
7.005270583	8.503412774	4.893058429	6.792841636	1.926560244	1.916186704	2.790672425	3.538702168	2.791370339	8.328801316
5.233026841	8.451705695	6.391292241	7.868043745	2.92413615	1.921567266	2.927893738	3.211213898	3.541308952	6.876444113
5.417667243	7.928946442	6.537066707	6.767582249	2.706329272	0.960190442	2.690292976	3.696298203	2.778564851	8.061314476
5.580392229	7.592429033	6.31909801	7.411509223	2.078689628	2.626369329	3.260942572	3.534884822	3.326293114	7.560126084
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5.828111883	6.977340361	4.79285485	6.393955126	2.532408182	3.912034179	2.591182476	3.163551544	2.632653771	8.172484254
4.577125337	4.351184591	5.762606413	6.507191237	2.128203406	1.338438699	2.236605511	2.637460465	2.736806684	6.647670581
5.458578883	6.707116289	8.18941376	8.377338778	2.550367891	2.911749985	2.431508859	3.627906859	3.052214081	6.88000235
5.589435127	8.972362282	5.78471626	6.922874874	2.430587956	1.93203495	2.459544131	2.689349155	3.274605987	5.953684243
7.194938335	7.764808049	4.405959911	6.476525397	2.645721749	4.456014787	3.078202852	3.780942257	3.040926582	6.263464742
4.43363319	5.248290398	4.704415414	6.163985683	1.56689338	1.086345914	1.972006943	2.439863999	2.970447006	4.646569562
5.295028305	9.477109451	6.165776309	7.292180642	1.779971869	1.792141524	2.402003521	3.673889405	3.458552986	6.980674995
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4.453485848	4.514066989	7.263183932	6.933465114	1.251015014	1.729018029	2.109070318	2.845039136	3.392772461	5.095111286
5.31967024	8.973443738	6.630393871	6.833157051	1.755958438	2.170790208	2.39560857	3.251905835	4.530330838	5.369338675
5.349203137	8.773163133	4.999147824	6.676402553	2.848379528	2.250911856	2.460361738	2.336647746	3.802867692	6.902609699
5.860233535	3.571638026	5.149970739	5.299269366	2.007225885	1.332438976	2.015758293	2.617312754	3.350486105	6.693283786
6.162101245	4.292805164	5.198101757	5.975984514	2.691930387	0.729718547	3.723680188	2.811596942	3.741812477	8.169068322
5.411110065	6.79293477	6.752405745	7.416251145	2.390544407	1.988097775	3.087534655	4.098433892	3.894356843	6.554855111
5.337193012	9.088599903	6.541379153	7.197350564	1.41140733	2.16367886	2.57369787	2.853067712	3.970948815	5.473413286
4.240642342	4.96842994	4.475750923	6.568376446	0.799423269	1.223349086	2.48338158	3.051129866	3.665564938	5.890647627
6.032771468	8.609985771	4.705855294	6.768247785	1.919953576	4.169529361	2.155229691	3.752046169	2.727660193	7.276259757
5.394241035	8.160510857	6.626413636	6.580761522	2.446392538	2.293220264	2.543120534	4.59262427	3.396033186	6.477758082
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5.313477575	8.402372427	4.330751234	5.776689827	1.781007575	1.256913291	0.97217076	2.223745558	2.382422535	7.248642386
5.867505797	4.735878986	5.89512752	7.437147707	2.41177857	2.008063746	2.533425142	2.968075476	4.081859296	7.162158128
6.443580671	9.130206201	8.034546693	9.30197032	2.673313161	4.029574989	3.139355421	4.191202814	3.853795227	7.364187904

4.875149952	6.955099174	4.512985553	5.829745152	2.42995785	1.118782006	1.679814668	1.741711027	2.559916707	6.339468512
5.070563173	7.158247723	5.807776563	6.611909812	1.902188774	1.783858862	2.076764755	3.679390267	4.079171056	5.587452953
6.633184177	9.734481462	7.454463985	8.523444456	2.855997095	4.530674169	3.267864605	5.075931546	4.164357525	7.492439108
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5.371205702	7.270305894	5.915034277	7.225102011	2.655782493	3.459982893	1.906691595	2.93241066	3.487106751	6.719472963
5.163735143	6.661306348	6.82601024	8.028641924	2.207668408	2.673701708	2.173330407	3.024831592	2.660096581	6.432680102
5.779229083	3.824616654	5.571119214	6.578799578	1.932051988	0.736109145	2.708726506	2.766480467	4.012240278	6.593328864
6.233251698	8.607002308	6.091334256	7.582488989	2.529011089	1.499541518	2.660534329	3.275554553	3.59367042	6.737724314
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5.216978733	5.139604289	5.860652127	5.636336853	1.607497588	1.699307631	3.226277574	2.649883302	3.662920632	4.825460915
4.975373262	2.786801048	6.595180803	7.691601448	1.890684398	2.489070308	2.62236039	3.072361478	4.006389152	5.595260328
4.760420549	8.633962867	5.754439441	7.016732918	2.713151152	0.520002671	1.924086354	2.101645912	3.607584325	7.640278846
4.66489294	1.185166987	5.236379154	6.028808039	1.155101946	0.646187665	1.041085093	1.295946721	1.373748032	4.288565776
4.182562488	7.723833186	4.40694298	5.471268588	1.430116482	0.892868007	1.399459922	1.789736782	2.267117912	6.27083656
5.915578742	6.515868367	6.124075403	6.518261424	2.489423752	1.025358828	1.839830106	3.092109169	2.352302866	7.230858462
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5.511628522	4.400642043	6.233341863	6.777892134	1.873786857	0.895112636	1.461653417	2.440703754	2.180419679	6.791562499
5.455097791	7.150759417	5.983463559	7.104125123	2.394057367	3.138450055	2.98323452	3.01004015	4.446965549	6.194121501
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5.452459116	9.164225777	6.531545518	8.068098083	2.610948415	2.934143501	2.915300817	3.649715926	3.653427592	7.172577122
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4.698963767	6.206699389	3.936595851	5.392159858	2.507328076	0.331914355	1.653688169	1.972784382	2.43531891	6.880035451
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5.579368064	9.242411733	7.151996297	8.228241919	2.124871673	2.867928074	2.68843549	3.536758153	3.680718315	6.825024132
5.447214941	4.674641985	7.241899551	7.726924283	2.571741451	0.714583042	2.559162258	3.659717631	3.970884011	6.243714008
5.7658829	7.803760252	5.684360475	7.074280111	2.395794695	1.578659122	2.987599313	4.468969976	3.525254788	7.247660323
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5.484251361	5.526848999	6.965302178	7.015159582	2.132938176	0.659795536	1.911690793	2.623326067	2.840607157	7.335048843
5.372653911	4.271437272	5.546210807	5.775219325	0.804031712	0.651594816	1.111521497	2.128745182	2.537474716	5.945506211
5.811408441	8.563905717	7.075118185	8.599055591	2.553301985	2.086934095	4.22622374	4.771891365	4.757399322	6.982209167
5.634523262	9.01467218	5.854546854	7.602508058	2.557169301	2.591885888	3.250380415	3.311842632	3.437848547	6.381011292

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1.29232113	2.991736411
3.25846553	3.508323142
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2.076027832	3.114540761
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