

Symbol	gene	A375_mRNA	G361_mRNA	SK_mRNA
MT-ATP8	ENSG00000228253.1	13.92251158	14.77337016	14.68029243
MT-ND4	ENSG00000198886.2	13.64030071	14.77978641	14.66620346
MT-CO3	ENSG00000198938.2	13.36157688	14.34546903	13.9883417
MT-CO1	ENSG00000198804.2	13.40109476	14.7538652	14.83718245
MT-ND4L	ENSG00000212907.2	13.05150148	14.16314921	14.02586146
MT-CO2	ENSG00000198712.1	12.8756702	14.68929103	14.5597598
MT-CYB	ENSG00000198727.2	12.78563941	13.90239919	13.72466718
GAPDH	ENSG00000111640.14	13.28976743	12.64153542	12.53056835
MT-RNR2	ENSG00000210082.2	12.03486993	13.63527799	14.5017436
MT-ND3	ENSG00000198840.2	11.81814895	12.50844568	12.6967757
MT-ND2	ENSG00000198763.3	11.83534044	12.77284034	12.88136936
MTATP6P1	ENSG00000248527.1	11.73601345	12.5239128	12.52356697
MT-ND5	ENSG00000198786.2	11.65928566	13.02594189	13.10088694
MT-ND1	ENSG00000198888.2	11.56571368	13.51411975	12.70208823
MT-ATP6	ENSG00000198899.2	12.83000264	12.09514136	14.31586263
ACTB	ENSG00000075624.13	11.16625324	11.33879621	11.1986671
MT-RNR1	ENSG00000211459.2	11.50907673	11.88056288	12.30504879
HSPA8	ENSG00000109971.13	10.82898997	10.8542048	10.921654
ENO1	ENSG00000074800.13	11.85247527	10.72642626	10.59687072
HSP90AB1	ENSG00000096384.19	11.32348982	10.9927171	10.81576194
EEF1A1	ENSG00000156508.17	11.97236039	10.87843143	10.92119249
RPS27	ENSG00000177954.11	11.87722357	11.01467053	10.38806561
RPS2	ENSG00000140988.15	11.86698124	10.78413007	10.78528259
PPIA	ENSG00000196262.13	11.07042358	11.1044663	10.14401648
EEF2	ENSG00000167658.15	11.7644013	11.10776734	11.18432984
YBX1	ENSG00000065978.18	11.17971161	10.51274392	10.11681148
RPS18	ENSG00000231500.6	11.1532339	10.73557046	10.59048496
RPL19	ENSG00000108298.9	11.22471862	10.78568652	11.06304749
RPL11	ENSG00000142676.12	11.21680994	10.72490453	9.916027439
RPL12	ENSG00000197958.12	11.61469338	11.3027295	9.935055086
NPM1	ENSG00000181163.13	11.38380799	10.15560184	10.64827725
CD63	ENSG00000135404.11	9.818956002	11.26126433	10.96161047
RPS11	ENSG00000142534.6	11.25589867	11.12644675	10.04303286
FTH1	ENSG00000167996.15	10.09422013	10.51502099	10.6201496
RPS7	ENSG00000171863.12	10.95236677	10.49730939	9.727376227
RPL24	ENSG00000114391.12	10.86438064	10.04157	9.879165035
ALDOA	ENSG00000149925.17	9.971969671	10.06643207	10.3650383
RPSA	ENSG00000168028.13	11.36906814	10.16591132	9.609188957
PKM	ENSG00000067225.17	10.81460118	10.02685507	10.21603228
RPL27	ENSG00000131469.12	11.1934874	10.63085749	10.33926585
VIM	ENSG00000026025.15	11.73217951	10.5043816	10.61098467
RPL13A	ENSG00000142541.16	11.39172392	10.83468365	10.21761922
RPLP1	ENSG00000137818.11	10.54723312	9.92156024	10.1487224
RPL7	ENSG00000147604.13	10.59762166	9.842685609	9.830352993
PSAP	ENSG00000197746.13	9.629883655	11.07435389	11.18678115

RPS8	ENSG00000142937.11	10.87477244	9.721728701	9.654363141
RPL21	ENSG00000122026.10	10.82907937	9.825599035	9.487229122
LDHB	ENSG00000111716.12	10.67183874	10.44737256	10.75219479
TMSB10	ENSG00000034510.5	10.82827279	10.96968606	9.450726239
RPL30	ENSG00000156482.10	10.51631076	9.682617954	9.549519895
RPLP0	ENSG00000089157.15	10.77742832	9.631838822	10.62170945
RPS10	ENSG00000124614.13	10.45136445	10.28545584	9.702088761
RPL8	ENSG00000161016.17	10.72924924	9.751230589	9.382567031
RPS21	ENSG00000171858.17	10.80115152	9.49380503	9.633983147
RPL3	ENSG00000100316.15	11.13728139	10.30391143	10.44811788
FTL	ENSG00000087086.14	10.67658611	11.49416123	9.719934756
P4HB	ENSG00000185624.14	9.410978292	10.15269195	9.495040248
RPL41	ENSG00000229117.8	11.36491314	10.45250602	9.353400682
RPS24	ENSG00000138326.18	11.50419013	10.02834286	9.934362751
HSPD1	ENSG00000144381.16	9.723710524	9.664296286	9.378857861
RPL5	ENSG00000122406.12	10.15192892	9.730489786	9.528399244
RPL35A	ENSG00000182899.14	10.03026317	10.09567819	9.398467383
RPL39	ENSG00000198918.7	11.11773516	10.29107791	10.17648881
TUBB	ENSG00000196230.12	10.6959577	10.391306	9.183364057
NCL	ENSG00000115053.15	9.727681349	9.780464285	9.195613464
RPS4X	ENSG00000198034.10	10.83176457	9.778472365	9.646041039
RPS16	ENSG00000105193.8	10.7696849	10.81561267	9.450886698
RPL4	ENSG00000174444.14	10.26920369	10.12124092	10.21828077
RPL7A	ENSG00000148303.16	11.19128327	10.8422018	9.169918316
CANX	ENSG00000127022.14	9.163433394	9.148271785	9.49245524
HNRNPA2B1	ENSG00000122566.20	11.11573594	9.370934534	9.065649263
PFN1	ENSG00000108518.7	10.81370419	9.071675771	9.101790229
YWHAZ	ENSG00000164924.17	10.38318639	10.44815598	9.924319449
RPS6	ENSG00000137154.12	11.59134424	9.452052694	9.26242206
RPL10	ENSG00000147403.16	10.57863415	9.653020498	9.717342748
ACTG1	ENSG00000184009.9	9.318399977	10.21253566	10.5792654
PSMA7	ENSG00000101182.14	9.69114864	9.33474595	9.587927636
GNAS	ENSG00000087460.24	10.91287955	9.23102489	10.08814668
RPL6	ENSG00000089009.15	11.21505649	10.00583789	9.032919058
RPLP2	ENSG00000177600.8	9.802621923	9.649757945	9.139624838
RPL9	ENSG00000163682.15	10.5940503	9.356704867	10.96606695
PABPC1	ENSG00000070756.15	10.13677197	9.464588929	9.10928206
RPS12	ENSG00000112306.7	10.65638275	9.607471791	9.20947591
RPS13	ENSG00000110700.6	9.910860611	9.558214867	9.233247683
RPS20	ENSG00000008988.9	10.33380007	9.586817063	8.914868392
TPI1	ENSG00000111669.14	10.3877839	9.700695478	9.0363696
COX8A	ENSG00000176340.3	9.487581902	8.858644764	9.706589584
CFL1	ENSG00000172757.12	10.3529984	9.118730196	9.657528218
CHCHD2	ENSG00000106153.12	9.715952415	9.723512883	9.421065855
RPS27A	ENSG00000143947.13	10.55764695	10.06097421	8.852782233
RPL35	ENSG00000136942.14	11.08411741	10.94440212	8.83929032

RPL18A	ENSG00000105640.12	10.69984062	10.15839416	8.927847813
RPS17	ENSG00000182774.10	10.21835836	9.446576146	9.083785799
RPS9	ENSG00000170889.13	10.1607614	8.911445791	9.026541301
ATP1A1	ENSG00000163399.15	10.15167311	10.36494199	10.36857847
ATP5B	ENSG00000110955.8	9.877859182	9.32564791	10.18142546
RPL23A	ENSG00000198242.13	10.26366174	9.351588329	9.690884839
RPL10A	ENSG00000198755.10	10.39751344	9.48688416	9.330781028
RPL26	ENSG00000161970.12	10.31164898	8.932835873	9.111897387
CALR	ENSG00000179218.13	10.50270148	9.841008937	8.749371538
RPS3A	ENSG00000145425.9	10.00908968	8.982580332	9.470142331
SLC25A5	ENSG00000005022.5	10.00382094	9.149645744	9.323637489
UQCRH	ENSG00000173660.11	9.943997645	8.665979284	8.947590259
BTF3	ENSG00000145741.15	10.37297924	8.653878605	9.224818155
S100A11	ENSG00000163191.5	9.674839205	10.02193845	8.649316468
ANXA5	ENSG00000164111.14	8.823944091	9.518424262	8.669060199
RPS29	ENSG00000213741.9	9.952154567	8.996029787	8.782367068
EEF1G	ENSG00000254772.9	10.87301667	9.620146937	10.27972604
RPL15	ENSG00000174748.18	9.895334013	9.063204443	9.022745793
DDX5	ENSG00000108654.13	8.932362821	8.991233897	9.083381942
SPARC	ENSG00000113140.10	10.85301267	9.101276063	8.585059466
RPS25	ENSG00000118181.10	10.54083538	8.564557237	9.425625454
PDIA6	ENSG00000143870.12	8.807157395	8.849060774	8.588851023
NME2	ENSG00000243678.11	9.422038236	9.135498213	8.818874821
RPS5	ENSG00000083845.8	10.19742994	8.815923015	9.028365835
RPN2	ENSG00000118705.16	8.87415587	8.589491575	8.901888805
EIF4G2	ENSG00000110321.16	8.913747576	9.209284878	8.86928763
UBB	ENSG00000170315.13	8.860313792	8.787018091	8.773556732
OAZ1	ENSG00000104904.12	8.507276503	9.423687865	9.310927543
RAB7A	ENSG00000075785.12	8.721199533	9.50115125	9.423144749
RACK1	ENSG00000204628.11	9.924854352	9.048691078	9.386952349
RPL18	ENSG00000063177.12	10.10325802	9.486786421	9.126355309
GSTP1	ENSG00000084207.15	9.674948645	8.510296142	9.230184954
PPIB	ENSG00000166794.4	10.05904425	10.28993617	8.457227782
MT-ND6	ENSG00000198695.2	9.770209654	10.06267291	8.891824216
HNRNPA1	ENSG00000135486.17	10.27364005	8.706731519	8.730460528
EIF4H	ENSG00000106682.14	8.765980496	8.80687205	8.420699613
HNRNPK	ENSG00000165119.20	9.965642391	9.015134976	8.424679938
LDHA	ENSG00000134333.13	9.932637935	10.11558468	8.569291536
PRDX5	ENSG00000126432.13	8.906487522	8.706976504	9.122399243
HSPA5	ENSG00000044574.7	9.396505009	9.419873706	8.39060969
COX6A1	ENSG00000111775.2	9.400764333	9.280702015	10.96467332
HSP90AA1	ENSG00000080824.18	10.77877433	9.796974188	8.669090078
RPL36	ENSG00000130255.12	9.885589157	8.749672696	8.631452075
BSG	ENSG00000172270.18	9.136138357	9.951223367	9.30583634
RPS15	ENSG00000115268.9	8.749935807	8.653472228	8.410744248
PSMB4	ENSG00000159377.10	10.18411432	9.402150857	8.981157381

PCBP2	ENSG00000197111.15	9.607052535	8.433139466	8.467491827
MIF	ENSG00000240972.1	8.920746759	9.51494339	9.5466976
PARK7	ENSG00000116288.12	9.006434842	8.560224205	8.504676133
EIF5A	ENSG00000132507.17	10.29948665	8.707801152	8.35824378
UBA52	ENSG00000221983.7	9.939946631	9.37310694	8.541838246
SERPINE2	ENSG00000135919.12	11.55108404	8.535553202	10.72957179
TPT1	ENSG00000133112.16	9.534532573	8.816544196	10.32353781
VDAC1	ENSG00000213585.10	8.790269486	8.280329393	8.709911503
RPL31	ENSG00000071082.10	9.047174647	9.407456928	8.994746971
KHSRP	ENSG00000088247.17	9.03215537	8.675252762	8.520858964
HLA-A	ENSG00000206503.12	8.293354324	9.099222043	8.611458087
RHOA	ENSG00000067560.10	9.215796286	8.934091041	8.313694258
SQSTM1	ENSG00000161011.19	9.2757718	8.597223711	9.110876219
CTNNB1	ENSG00000168036.16	8.352292361	10.48295012	8.253263014
RPS14	ENSG00000164587.11	10.81096289	8.931865643	9.361075887
PCBP1	ENSG00000169564.6	9.428928247	9.292063302	8.232118344
HSPB1	ENSG00000106211.8	8.433091372	9.641579875	8.222761791
EEF1B2	ENSG00000114942.13	9.131425178	9.151984893	8.239009005
CLIC1	ENSG00000213719.8	8.406434889	8.891978671	9.373801599
MDH1	ENSG00000014641.17	8.294865104	9.038997615	8.54381361
TMBIM6	ENSG00000139644.12	9.25647565	8.706704122	8.984241392
H2AFZ	ENSG00000164032.11	9.073650136	9.454119332	8.214069285
ATP5A1	ENSG00000152234.15	8.961871675	9.120187895	9.323291887
RPL29	ENSG00000162244.10	9.950340887	9.213283745	8.771070835
MSN	ENSG00000147065.16	8.225577502	8.70254951	8.916591965
DBI	ENSG00000155368.16	8.305102424	9.26235606	9.721789381
NACA	ENSG00000196531.10	9.591064965	8.796532199	9.295008995
ARHGDI2	ENSG00000141522.11	8.522610905	8.37169737	8.783993079
ATP5H	ENSG00000167863.11	8.497310891	8.548249058	9.093101556
RPS15A	ENSG00000134419.15	9.725688937	8.97246786	8.743373928
PGK1	ENSG00000102144.13	8.647764152	8.597248991	8.238576536
CAPRIN1	ENSG00000135387.20	8.826669933	8.436248204	8.335260571
PRKCSH	ENSG00000130175.9	9.394941162	8.143612866	8.185918535
DYNLL1	ENSG00000088986.10	8.402029194	8.345509578	8.437053647
RPL36A	ENSG00000241343.9	10.2341456	9.164897102	9.258175278
SET	ENSG00000119335.16	9.614044423	9.239657283	8.106278982
TKT	ENSG00000163931.15	9.261356366	8.688777901	8.1402711
MFS12	ENSG00000161091.12	9.117218243	11.14908263	11.25449313
ERGIC3	ENSG00000125991.19	8.152676855	8.146034367	8.317867231
GPI	ENSG00000105220.14	8.887003802	8.328045665	8.877140462
MTPN	ENSG00000105887.10	8.268907388	8.723529398	8.741361868
EIF3E	ENSG00000104408.9	9.414811271	8.547245925	8.97204984
GANAB	ENSG00000089597.16	9.002431306	8.550079958	8.113287679
GNB1	ENSG00000078369.17	8.20782915	8.431233341	8.272589184
PEBP1	ENSG00000089220.4	8.232687125	9.24059316	9.200397588
XRCC6	ENSG00000196419.12	8.912580922	8.683331704	8.086888755

HSPA9	ENSG00000113013.12	9.076427388	8.8116786	10.21702924
ATP6VOC	ENSG00000185883.11	8.593968374	8.908430012	9.16291408
RPL34	ENSG00000109475.16	9.424344808	8.513194972	8.300807382
HNRNPL	ENSG00000104824.16	9.312198997	8.50105646	8.053702186
NME1-NME2	ENSG00000011052.21	8.520976088	8.483523548	8.085759644
CLTC	ENSG00000141367.11	8.156605165	8.448587576	8.367528438
XRCC5	ENSG00000079246.15	8.526871445	8.477691906	8.005467728
SSBP1	ENSG00000106028.10	9.047296623	8.506928788	8.00514017
GPNMB	ENSG00000136235.15	8.044522818	9.946319487	9.178603777
YWHAG	ENSG00000170027.6	8.327049009	8.567677577	8.063795505
AP2M1	ENSG00000161203.13	8.134637479	8.395736606	8.014850386
EIF3K	ENSG00000178982.9	9.14576789	8.485520684	8.018178783
PSMB7	ENSG00000136930.12	9.099098065	9.323075434	7.971981616
EIF4A1	ENSG00000161960.14	9.724536594	8.593914199	8.10904496
GARS	ENSG00000106105.13	8.567646571	9.300393601	9.672929017
ATP5F1	ENSG00000116459.10	8.543206056	7.988660255	8.158169427
HSP90B1	ENSG00000166598.14	9.820060068	9.373479462	8.028493401
ACTR2	ENSG00000138071.13	8.608232759	8.281213821	8.061976042
MAT2A	ENSG00000168906.12	8.713168773	7.983740118	8.068984522
LGALS1	ENSG00000100097.11	9.789133769	9.595364556	8.127929864
DYNLRB1	ENSG00000125971.16	8.39099199	8.001336858	9.127493591
EIF3I	ENSG00000084623.11	9.675891449	8.773137796	7.917597388
STIP1	ENSG00000168439.16	8.614173124	8.003164838	8.060097369
MT-TL1	ENSG00000209082.1	7.993013202	11.38106442	8.927550435
CSDE1	ENSG00000009307.15	8.864865967	8.252235618	8.160126136
SRRM2	ENSG00000167978.16	8.545022679	8.167503405	8.404460347
RAC1	ENSG00000136238.17	8.633979763	8.639250366	8.433005254
ATP5J2	ENSG00000241468.7	8.819034431	9.065821695	7.897571538
ATF4	ENSG00000128272.14	9.111096001	8.711551433	9.869280136
RPL23	ENSG00000125691.12	9.072914832	8.799931229	9.155774633
YWHAQ	ENSG00000134308.13	9.029212138	8.395077275	7.893664608
CCT8	ENSG00000156261.12	8.510611662	8.187930513	7.937585889
YWHAE	ENSG00000108953.16	9.170794379	8.040112807	8.469223052
COX6B1	ENSG00000126267.8	8.585270035	9.048018041	8.320323448
AHCY	ENSG00000101444.12	8.031822556	7.875643481	8.142412117
SOD1	ENSG00000142168.14	8.494430037	8.070703558	8.291320493
ANXA2	ENSG00000182718.16	9.142621658	9.130781222	7.9098691
COX5B	ENSG00000135940.6	7.88035764	8.168481434	8.030370748
HDLBP	ENSG00000115677.16	7.954439311	8.955747619	8.929598633
PSMB3	ENSG00000277791.4	8.926686246	8.474660954	7.879532546
NOP10	ENSG00000182117.5	8.339216032	8.474765084	8.103987057
CCT2	ENSG00000166226.12	8.946966006	7.9636628	8.518082088
SERBP1	ENSG00000142864.14	9.558751979	8.068551594	7.841191625
TUFM	ENSG00000178952.10	9.263750397	8.337416454	8.036058935
LRRC75A-AS1	ENSG00000175061.17	9.24977838	8.161746464	8.672352413
HNRNPAB	ENSG00000197451.11	8.975245595	7.97786473	7.855066004

CCT6A	ENSG00000146731.10	9.174428404	9.278741937	7.93208347
SCD	ENSG00000099194.5	8.194238466	9.143674766	8.862876066
MDH2	ENSG00000146701.11	8.673564174	8.709840941	8.021599809
MYL12B	ENSG00000118680.12	8.20221779	8.795313346	8.227633064
CCT7	ENSG00000135624.15	9.295841588	8.785457246	7.822250972
PTMA	ENSG00000187514.16	10.0712824	9.367041883	8.419104866
DDOST	ENSG00000244038.9	9.138533263	8.993033617	8.350844859
FLNA	ENSG00000196924.14	9.123384624	9.022801243	7.801744592
RPL22	ENSG00000116251.9	8.613813064	8.449868843	8.001918206
DDX17	ENSG00000100201.20	7.909387161	8.236270683	8.601206899
MALAT1	ENSG00000251562.7	7.992674789	9.105929392	9.053446674
ARF1	ENSG00000143761.15	9.043517786	7.965729013	8.658030093
RPL38	ENSG00000172809.12	9.588294272	9.120908504	8.801182187
TOMM7	ENSG00000196683.10	7.773468812	9.41616888	7.888857896
RPL37A	ENSG00000197756.9	8.573099059	8.551536331	8.096376199
RPL17	ENSG00000265681.7	9.350386108	9.243938066	8.071835317
SF3B2	ENSG00000087365.15	8.722139701	7.973710004	8.194971147
NORAD	ENSG00000260032.1	8.221910963	7.783528462	8.302461465
RPS3	ENSG00000149273.14	9.542298916	8.648165857	8.78787031
MORF4L1	ENSG00000185787.14	8.463145728	8.683368766	8.491884597
C1orf43	ENSG00000143612.19	8.534010435	8.433178528	7.94620994
EWSR1	ENSG00000182944.17	8.369618257	7.700047046	7.943597997
ATP6V1F	ENSG00000128524.4	7.704338186	9.269994829	8.794376913
SLC3A2	ENSG00000168003.16	7.930842612	9.067631054	9.284664483
RPL13	ENSG00000167526.13	9.749763809	8.569495021	8.927674823
EIF2S2	ENSG00000125977.6	8.26494276	7.781639271	8.801577765
ACOT7	ENSG00000097021.19	8.05358487	7.765609669	8.112015745
SRSF9	ENSG00000111786.8	8.177455503	7.893116712	8.726306234
UBA1	ENSG00000130985.16	8.644802697	8.682057756	7.694056862
EIF4G1	ENSG00000114867.20	8.691892421	9.049701243	7.707361223
KPNB1	ENSG00000108424.9	8.629153024	8.335295287	8.065722473
RTN4	ENSG00000115310.17	8.443093939	8.292493843	8.767239331
USMG5	ENSG00000173915.14	9.257304339	8.10944469	8.14736666
MORF4L2	ENSG00000123562.16	8.447279715	8.830637474	7.713426347
CDC42	ENSG00000070831.15	8.107933545	8.068640748	8.065910411
ARPC2	ENSG00000163466.15	7.726227532	8.52699319	8.15829588
CCT3	ENSG00000163468.14	9.40662344	9.159639556	7.73342913
SFPQ	ENSG00000116560.10	8.987041654	7.67439045	8.123843713
CTSB	ENSG00000164733.20	7.78195032	8.762281437	13.02227165
LGALS3BP	ENSG00000108679.12	9.26045721	9.607341225	8.871647332
ATP5J	ENSG00000154723.12	8.294309495	7.958504005	8.5064957
KDELR1	ENSG00000105438.8	8.041293297	9.116613223	7.880420816
TMA7	ENSG00000232112.3	8.938962547	8.616960841	7.690751838
PTBP1	ENSG00000011304.19	8.853708669	8.14137536	7.67087511
PDIA3	ENSG00000167004.12	8.191226426	8.527384142	7.672030292
C1QBP	ENSG00000108561.8	9.878965127	7.624838476	7.643103211

NME1	ENSG00000239672.7	9.060954403	8.597874277	8.610606097
CAP1	ENSG00000131236.16	8.825109056	8.467196782	8.172252603
EIF4B	ENSG00000063046.17	9.057860842	7.991867025	8.549890901
SND1	ENSG00000197157.10	7.602947228	9.008398006	7.962096847
LRRCS9	ENSG00000108829.9	8.043448877	8.41554126	7.66012599
CBX3	ENSG00000122565.18	8.344600626	8.175702705	7.796883311
HNRNPU	ENSG00000153187.18	9.094832496	7.959265239	7.951290907
CCT5	ENSG00000150753.11	9.385244421	8.387404227	7.913510861
EDF1	ENSG00000107223.12	8.527842517	8.902076094	9.446137188
MAPRE1	ENSG00000101367.8	7.581602847	7.579989462	7.809293815
DDB1	ENSG00000167986.13	8.275778168	7.957753938	8.027228733
CNBP	ENSG00000169714.16	8.301188371	8.205483918	7.890162208
GSN	ENSG00000148180.19	8.954731856	9.250738252	8.714490121
RPS23	ENSG00000186468.12	8.948686406	8.024537443	7.798479603
SRP14	ENSG00000140319.10	8.32214105	8.013436414	8.169761631
HADHA	ENSG00000084754.10	7.535548866	8.193537686	7.621299881
SERF2	ENSG00000140264.19	8.395560894	9.030687591	7.905837444
PSMC3	ENSG00000165916.8	8.27440612	7.986552158	7.599411352
SDHB	ENSG00000117118.9	7.938529151	8.088656907	7.577814975
RPS28	ENSG00000233927.4	8.735250499	8.474281309	7.954621706
SF1	ENSG00000168066.20	8.084434405	7.591064196	7.750234935
NQO1	ENSG00000181019.12	8.839022337	7.71801283	7.959697481
PPDPF	ENSG00000125534.9	7.658493201	7.621200427	8.190973224
CCT4	ENSG00000115484.14	8.983804429	8.776408497	7.525576638
RALY	ENSG00000125970.11	7.492519081	7.752185465	8.388335567
RPS19	ENSG00000105372.6	8.650872847	10.18903599	9.696737009
AES	ENSG00000104964.14	7.706079764	7.986348804	8.151094888
CTNNA1	ENSG00000044115.20	8.889770677	8.269046836	8.899242357
APP	ENSG00000142192.20	8.338441315	8.979659975	9.207086291
GSTO1	ENSG00000148834.12	7.916534706	8.885349518	8.91284157
CALU	ENSG00000128595.16	7.504322415	9.09221253	8.0380897
HNRNPC	ENSG00000092199.17	9.564142065	8.266570384	7.611211193
NDUFS5	ENSG00000168653.10	8.738198391	8.358824695	7.522895764
HNRNPUL1	ENSG00000105323.16	8.53115825	8.023856204	7.694729647
STRAP	ENSG00000023734.10	8.780918367	7.915249409	7.773532461
SLC7A5	ENSG00000103257.8	8.754127215	9.75135214	9.686854037
MGAT4B	ENSG00000161013.16	8.054364185	7.555290019	8.07109221
C20orf24	ENSG00000101084.17	7.556030029	7.677925692	7.422177656
UQCRC1	ENSG00000010256.10	7.530334069	7.62962842	8.258295108
EIF3B	ENSG00000106263.17	8.436467533	8.523579189	7.453328194
FUS	ENSG00000089280.18	8.596879882	7.57046412	7.618882301
HNRNPF	ENSG00000169813.16	8.823480487	8.004024832	8.544905378
CTSD	ENSG00000117984.13	7.5784323	10.1971817	10.82673231
ACLY	ENSG00000131473.16	7.669813628	7.659749585	7.510837849
HM13	ENSG00000101294.16	8.243303188	7.889667118	7.59358385
EIF2S3	ENSG00000130741.10	8.925706534	7.406876236	8.403492541

IFI16	ENSG00000163565.18	7.630262676	7.557112087	8.712923531
RBM39	ENSG00000131051.22	8.014386291	7.574401238	8.004573072
RPN1	ENSG00000163902.11	8.155121672	8.536227778	7.549079486
CTSA	ENSG00000064601.16	7.42164386	8.429443667	8.655733876
PSMD2	ENSG00000175166.16	7.432021019	8.247298001	7.625989002
UBC	ENSG00000150991.14	7.564350653	7.780439119	8.636280464
ARPC1A	ENSG00000241685.9	7.759979042	8.431612526	7.691882816
PFDN5	ENSG00000123349.13	8.024174052	7.48991554	7.43393289
CALM2	ENSG00000143933.16	9.466731891	8.270531454	8.126093866
AP2S1	ENSG00000042753.11	8.557975973	7.431050754	8.270722262
PSMD8	ENSG00000099341.11	8.197151739	8.066239205	8.112292902
NUCB1	ENSG00000104805.15	8.063338705	8.780447993	7.627653551
NDUFB8	ENSG00000166136.15	8.081492739	7.367462369	7.954855073
UBL5	ENSG00000198258.10	8.751882844	8.292996891	7.635708365
TRIM28	ENSG00000130726.11	8.733645833	7.670512312	7.451475577
MLF2	ENSG00000089693.10	7.911758213	7.559436631	7.411956645
HSPE1	ENSG00000115541.10	8.109366173	8.45366935	7.376967738
SRSF1	ENSG00000136450.12	8.184681005	7.344976129	7.550791399
ATIC	ENSG00000138363.14	7.558284813	7.480564255	7.820394697
NARS	ENSG00000134440.11	7.957600414	8.166606754	8.038755542
NHP2	ENSG00000145912.8	8.781196215	7.574916501	7.33453535
ACTN4	ENSG00000130402.11	8.891466697	8.610514422	8.962801621
ARPC3	ENSG00000111229.15	8.691854772	8.11995453	7.340819196
COX6C	ENSG00000164919.10	7.397507267	7.849361255	8.387224375
RPL27A	ENSG00000166441.12	8.167278161	7.956342673	7.514164196
TUBA1B	ENSG00000123416.15	10.28700631	9.173249352	7.547847736
AUP1	ENSG00000115307.16	7.683057043	7.816878136	7.34633925
COX4I1	ENSG00000131143.8	8.405640238	8.038021788	8.346085052
RAB1B	ENSG00000174903.15	8.062256845	7.285185446	7.748227834
FKBP10	ENSG00000141756.18	8.270876953	8.647389458	7.598861894
CDK4	ENSG00000135446.16	8.202416646	7.829138153	8.999525006
NDUFB2	ENSG00000178127.12	7.665912176	8.134380888	7.716271873
ADRM1	ENSG00000130706.12	8.576902361	7.850760352	8.651019907
RPL36AL	ENSG00000165502.6	7.883959862	7.309507567	7.569151954
COX7C	ENSG00000127184.12	8.239444937	8.024713779	8.48118838
HNRNPM	ENSG00000099783.11	8.865350782	7.621526752	7.428408347
CCNI	ENSG00000118816.9	7.536703374	8.042152745	8.288505751
VCP	ENSG00000165280.15	8.881245117	7.464344497	7.339535584
PFKP	ENSG00000067057.16	7.306611138	7.453918607	7.600664496
EIF3L	ENSG00000100129.17	8.835215612	7.796614738	8.396287522
EIF4EBP1	ENSG00000187840.4	8.478863779	7.607004909	7.903135435
CSNK1E	ENSG00000213923.11	7.309014104	8.187232463	7.868275315
SEC11A	ENSG00000140612.13	7.737144181	7.481495525	7.264578932
SNRPB	ENSG00000125835.18	9.645073527	8.499855334	7.414406821
RPL28	ENSG00000108107.14	8.999176855	7.336775555	7.927152697
GLO1	ENSG00000124767.6	7.634699598	8.149978195	7.517255276

IQGAP1	ENSG00000140575.12	7.303737794	8.057138034	8.265272249
ATP5C1	ENSG00000165629.19	7.94536401	7.485388011	8.253186479
CAPZB	ENSG00000077549.17	7.605324416	7.990303643	8.001507166
UQCQRQ	ENSG00000164405.10	8.258345276	7.426295892	7.447067649
KPNA2	ENSG00000182481.8	8.360692763	8.200323577	7.338715703
CD44	ENSG00000026508.17	8.730947554	8.06068969	8.86895411
SLC39A7	ENSG00000112473.17	7.303601637	8.182531705	7.279388335
HEXB	ENSG00000049860.13	7.425309208	7.588563053	7.319103493
EIF3G	ENSG00000130811.11	8.396124901	7.361983969	7.541827652
TMED9	ENSG00000184840.11	7.320559509	7.893070405	7.334481469
ACSL3	ENSG00000123983.13	7.695330135	8.801026813	7.434772744
PRDX3	ENSG00000165672.6	8.494744943	7.250940703	7.38455624
COPZ1	ENSG00000111481.9	7.590620337	7.551856816	7.317878131
MMADHC	ENSG00000168288.12	7.554604968	7.311044018	7.300142288
PTGES3	ENSG00000110958.15	8.938146723	7.558802345	7.928824098
PRMT1	ENSG00000126457.21	8.678252665	8.136575672	7.614778534
HNRNPA3	ENSG00000170144.20	7.568552427	8.201275093	7.365922827
CTTN	ENSG00000085733.15	7.470391786	8.153599435	7.655866859
IPO7	ENSG00000205339.9	7.739202589	7.260488087	7.866199412
AK2	ENSG00000004455.16	7.883509647	7.542041585	7.365593377
ST13	ENSG00000100380.13	7.646282802	7.616747964	7.879747305
TBCA	ENSG00000171530.13	8.265954097	7.534849047	7.778432861
PSMD14	ENSG00000115233.11	7.469777826	7.538205623	7.217330666
HYOU1	ENSG00000149428.18	8.240907277	7.285027292	7.816764617
COX5A	ENSG00000178741.11	7.658772958	7.683156554	8.066721941
CRTAP	ENSG00000170275.14	7.219239554	7.764018131	7.319480848
NDUFA11	ENSG00000174886.12	8.192166012	7.847727312	8.138162824
PSMC2	ENSG00000161057.11	8.054929821	7.760663904	7.186480912
GHITM	ENSG00000165678.20	8.583191669	7.170282347	8.545100868
ACTN1	ENSG00000072110.13	7.913640789	7.292765516	8.530712962
AKR1B1	ENSG00000085662.13	7.340483683	7.200992688	8.003166576
GNG12	ENSG00000172380.5	7.952342412	7.913651726	7.200510686
PDIA4	ENSG00000155660.10	8.220955528	8.629074234	7.187704897
DAD1	ENSG00000129562.10	7.226576893	7.373295471	7.511849013
SMS	ENSG00000102172.15	8.599424761	7.298976751	7.462990208
SSU72	ENSG00000160075.11	7.687684109	8.089186702	7.285632584
COPA	ENSG00000122218.14	7.887109474	8.35961862	7.185775861
TPM4	ENSG00000167460.14	7.728105789	8.521154761	8.215473135
SHMT2	ENSG00000182199.10	8.428611832	7.548833988	8.679464475
POMP	ENSG00000132963.7	8.727301793	7.836482734	7.227246631
CHD4	ENSG00000111642.14	8.205336451	7.803030736	7.672438161
HSPA4	ENSG00000170606.14	8.333748532	7.722485098	7.660642821
PSMD1	ENSG00000173692.12	7.559166706	7.825580354	7.160705494
PFDN2	ENSG00000143256.4	9.210059327	8.400742286	7.346965826
ROMO1	ENSG00000125995.15	7.980567773	7.531449336	7.513453943
SLC4A2	ENSG00000164889.13	7.700416511	8.257476104	7.26270642

IDH1	ENSG00000138413.13	7.391518891	8.402313548	9.08565284
COPG1	ENSG00000181789.14	7.177451803	8.006130925	7.530249555
EMC7	ENSG00000134153.9	7.522828829	7.82843867	7.232839593
SLC25A6	ENSG00000169100.13	8.585946465	7.291429032	9.878258483
SAE1	ENSG00000142230.11	7.870143033	7.205132661	7.524617718
EID1	ENSG00000255302.4	8.234694142	8.055889742	8.022039411
TFG	ENSG00000114354.13	7.465271488	7.69539313	7.646290989
LGALS3	ENSG00000131981.15	7.147345032	9.495855038	10.32412674
WDR1	ENSG00000071127.16	7.633348512	7.431162674	9.387081486
PSMD4	ENSG00000159352.15	8.77494673	8.255615711	7.183146688
TIMP1	ENSG00000102265.11	9.506928717	8.447776355	7.171474423
TRIB2	ENSG00000071575.11	7.261158651	7.1458653	8.144584044
ATP6V1E1	ENSG00000131100.12	7.323447575	8.482771626	8.167171414
STT3B	ENSG00000163527.9	7.248858487	7.575344896	7.203920074
DUSP4	ENSG00000120875.8	7.560097009	8.364144352	8.803006938
MRPL12	ENSG00000262814.7	7.981810068	7.960327708	8.054172881
LARP1	ENSG00000155506.16	7.731088716	7.311156909	7.50680591
ETF1	ENSG00000120705.12	8.118939281	7.267758928	7.452840012
PLP2	ENSG00000102007.10	8.246349245	7.134383043	7.438621719
VAT1	ENSG00000108828.15	7.236919489	9.159494691	9.716388714
NDUFB2	ENSG00000090266.12	7.564792282	7.470870311	7.350123799
CHCHD3	ENSG00000106554.12	7.11472776	7.630754777	8.080878174
SEPT9	ENSG00000184640.17	8.187890121	8.520727196	8.10527364
SH3BGR13	ENSG00000142669.14	9.52456991	8.53325987	7.17562793
RPL32	ENSG00000144713.12	9.359062247	8.237744993	7.602764834
PGAM1	ENSG00000171314.8	8.725578227	7.45707088	7.719121722
DNAJA1	ENSG00000086061.15	8.242435406	7.385625741	7.117265709
HP1BP3	ENSG00000127483.17	7.10768728	7.304918949	7.317284911
HNRNPH1	ENSG00000169045.17	7.783698563	7.27191384	7.287600563
ATP1B3	ENSG00000069849.10	7.533488617	7.834564577	7.07854537
GPX4	ENSG00000167468.16	7.204422506	8.550003005	8.194212922
AP1S2	ENSG00000182287.14	7.177181087	7.519353422	7.9130617
SRPRA	ENSG00000182934.11	8.086803666	7.223467626	7.220692505
HSPH1	ENSG00000120694.19	8.117693963	7.24218222	7.149340525
SRSF6	ENSG00000124193.14	7.449970066	7.066475971	7.465010289
TECR	ENSG00000099797.13	8.074557774	7.531876686	7.210706979
DNAJB1	ENSG00000132002.7	7.33511559	7.745248036	7.691499332
PSMD3	ENSG00000108344.14	7.873798259	7.534364017	7.572248606
PHLDA1	ENSG00000139289.13	8.869399359	7.0860888	9.246222354
NDUFB9	ENSG00000147684.7	8.547991614	8.036637951	8.380570063
RCN2	ENSG00000117906.13	7.46672516	7.684659359	7.510534472
ANP32B	ENSG00000136938.8	9.098140105	8.29725122	7.133081878
GNAI2	ENSG00000114353.16	8.16406583	8.306133158	7.085996418
AGPAT1	ENSG00000204310.12	7.401273105	7.582348731	7.241311931
SLC25A3	ENSG00000075415.12	9.142369487	8.308975416	7.792719825
PRDX6	ENSG00000117592.8	9.055236413	8.004452822	7.042592792

RAN	ENSG00000132341.11	7.967429945	7.676936288	8.626410662
FAU	ENSG00000149806.10	8.689480975	7.800065677	7.887202999
TRAM1	ENSG00000067167.7	7.324111091	7.353914532	7.082039439
CHMP4B	ENSG00000101421.3	7.042679879	7.788792349	7.813210591
PLOD3	ENSG00000106397.11	8.376194899	8.939934795	7.042441025
HADHB	ENSG00000138029.13	7.134231632	7.771769436	7.654325921
PSMC5	ENSG00000087191.12	7.990497561	7.494070854	7.431668727
AHSA1	ENSG00000100591.7	8.18586933	7.289095848	7.345744855
RANBP1	ENSG00000099901.16	8.185737019	7.821051539	7.150509103
TAX1BP1	ENSG00000106052.13	7.339385251	7.958255386	7.941777082
FASN	ENSG00000169710.8	7.912957365	7.402802789	8.215606827
TMED2	ENSG00000086598.10	7.986916436	7.336774111	8.121424573
VDAC3	ENSG00000078668.13	7.153123476	7.327176182	7.168802379
ZNF207	ENSG00000010244.18	7.721679814	7.083451566	7.173273533
CYCS	ENSG00000172115.8	7.017419282	7.720833232	7.582624772
MRPL51	ENSG00000111639.7	8.256401998	7.023458791	7.076203648
RCN1	ENSG00000049449.8	7.656333746	7.635008084	7.542256715
G3BP1	ENSG00000145907.14	8.372983718	7.735683689	7.907994337
RPL14	ENSG00000188846.13	8.378067702	8.173083075	7.584348089
SRP9	ENSG00000143742.12	7.667678843	6.983233651	7.683585214
BRI3	ENSG00000164713.9	7.049413098	9.38304243	8.807006944
CLIC4	ENSG00000169504.14	8.170488282	7.699469868	7.305998272
NDUFAB1	ENSG00000004779.9	8.41882634	7.520009605	7.502928483
PHB	ENSG00000167085.11	7.605167954	7.761224454	7.849131441
SNRNP200	ENSG00000144028.14	7.581731628	7.499107069	7.002094898
MYL12A	ENSG00000101608.12	7.067013589	8.605492868	7.867047398
SSRP1	ENSG00000149136.8	8.948313396	7.198066806	7.098806519
DDX39B	ENSG00000198563.13	8.137224419	7.568626137	7.303967951
LAMP2	ENSG00000005893.15	6.976812127	9.235794325	7.950424808
EEF1D	ENSG00000104529.17	7.631565137	7.062429627	7.343278448
RAB5C	ENSG00000108774.14	7.447512658	7.81113107	7.634191325
COX7A2	ENSG00000112695.11	7.922545411	7.316337591	7.41208372
SNRPC	ENSG00000124562.9	7.689274495	7.246095856	7.559443461
AP2B1	ENSG00000006125.17	7.202886818	7.446541652	7.788808062
ILF2	ENSG00000143621.16	9.28729842	8.665828772	7.064317832
EIF4A2	ENSG00000156976.16	7.076545329	7.646702283	7.907107212
COTL1	ENSG00000103187.7	8.802706997	8.218033533	8.762931372
CD81	ENSG00000110651.11	6.951576947	8.000642253	9.535406411
LAMP1	ENSG00000185896.10	8.035708465	7.778779028	6.95747433
HINT1	ENSG00000169567.11	7.786656644	7.098254494	7.388583299
SCAMP3	ENSG00000116521.10	8.18345659	7.514836259	7.013159052
TARS	ENSG00000113407.13	8.144180069	7.638041066	7.926802778
SUMO2	ENSG00000188612.11	7.925140284	7.30058264	7.300075386
ERH	ENSG00000100632.10	8.214233088	6.943732553	7.104660355
FXR1	ENSG00000114416.17	7.213861425	7.525165837	7.790253123
ATP2A2	ENSG00000174437.16	8.093945356	8.001243554	7.034697463

ATP5O	ENSG00000241837.6	7.558339393	7.447301618	8.111620256
PSMB1	ENSG00000008018.8	8.632644091	7.713827591	6.93949967
OS9	ENSG00000135506.15	7.086909113	7.375850108	9.755967063
CSE1L	ENSG00000124207.16	8.607323542	6.922931389	7.013274981
ELOB	ENSG00000103363.14	7.70065127	7.388683945	7.428031228
PTP4A2	ENSG00000184007.18	7.545898418	6.937936747	7.632314027
SNHG6	ENSG00000245910.8	8.087269197	7.507202866	7.381243292
GNG5	ENSG00000174021.10	7.45148501	7.426978632	7.108202365
HNRNPH3	ENSG00000096746.17	7.470461058	7.226840739	6.95634593
BAG6	ENSG00000204463.12	7.444707128	7.326105201	8.018267589
SNRPD2	ENSG00000125743.10	8.552176204	7.125200763	7.357818666
CALM1	ENSG00000198668.10	7.141589674	7.549005332	6.997364284
NDUFB7	ENSG00000099795.6	8.196411369	8.422414929	7.1511086
MTCH2	ENSG00000109919.9	7.29510155	7.331950072	7.156245495
PSMA6	ENSG00000100902.10	7.766310029	7.20048513	7.068693152
PXN	ENSG00000089159.16	8.518356493	6.942995034	8.348030401
TALDO1	ENSG00000177156.10	7.244018826	8.334576984	7.00641772
PPP1CA	ENSG00000172531.14	7.488178214	7.101888441	7.525692306
RAD21	ENSG00000164754.14	8.064391155	6.966469747	7.149986593
PPP4C	ENSG00000149923.13	8.042165063	7.233797557	6.924201791
NDUFB4	ENSG00000065518.7	7.03664439	7.259627175	6.89470857
TAF15	ENSG00000270647.5	7.821573328	6.915769029	6.985441196
SF3B1	ENSG00000115524.15	7.252030852	7.268688239	6.892239713
PRELID1	ENSG00000169230.9	7.833692938	7.09803183	7.548482865
ELOVL5	ENSG00000012660.13	6.947796069	6.985735972	7.201512953
FBXO7	ENSG00000100225.17	7.225025661	7.722881266	7.887721937
S100A10	ENSG00000197747.8	9.332339773	8.343788945	7.005438339
SEC61B	ENSG00000106803.9	8.028424	8.983756494	6.942044464
BCAP31	ENSG00000185825.15	8.116961003	7.994733365	7.757391885
SPTBN1	ENSG00000115306.15	8.075063021	7.762779081	8.505522782
FIS1	ENSG00000214253.8	7.225189284	7.583735987	6.996550309
UBAP2L	ENSG00000143569.18	8.178429031	7.855858458	6.923755677
LARS	ENSG00000133706.17	7.45842432	7.034987757	7.448849716
BEX3	ENSG00000166681.13	6.984518832	7.571953528	7.092827066
POLR2L	ENSG00000177700.5	7.200884724	7.730205044	6.924683
CCND1	ENSG00000110092.3	7.81894725	7.210802311	10.83638022
PHB2	ENSG00000215021.8	8.866836645	7.437220741	7.667809342
CNP	ENSG00000173786.16	7.947315179	8.198629039	7.316881283
LMAN2	ENSG00000169223.14	7.096786821	6.909623891	7.106344264
PDAP1	ENSG00000106244.12	7.938343517	7.606784859	7.023497766
ZFAND5	ENSG00000107372.12	7.355630794	7.933438134	7.570618996
SSB	ENSG00000138385.15	6.864736542	7.644769574	7.225939224
SUMF2	ENSG00000129103.17	7.738569248	8.316350411	6.990452581
PTTG1	ENSG00000164611.12	8.079526958	6.918787209	7.539642718
SNRNP70	ENSG00000104852.14	7.685799673	7.98746543	6.985344936
BRK1	ENSG00000254999.3	7.396660371	7.633510826	6.86584102

ARL6IP1	ENSG00000170540.14	7.990911743	6.927709609	7.268433989
STAU1	ENSG00000124214.19	8.005378213	6.850719332	7.516365198
TMX2	ENSG00000213593.9	7.948169301	7.293899754	7.154984901
UBE2S	ENSG00000108106.13	8.597541649	6.826732496	7.460994043
TCP1	ENSG00000120438.11	8.333518285	7.307406073	6.973017196
ATP5I	ENSG00000169020.9	8.177255721	6.845280284	8.771107856
MYDGF	ENSG00000074842.7	7.736225322	8.039784173	6.9367244
MYL6	ENSG00000092841.18	8.344778131	8.20337684	6.885447258
SSR3	ENSG00000114850.6	7.240575956	8.144037176	6.910218504
APLP2	ENSG00000084234.16	7.689094591	6.882647548	7.245040605
PA2G4	ENSG00000170515.13	8.917811152	7.730342451	6.890784928
PSMA2	ENSG00000106588.10	7.899491393	7.912521526	7.328645506
NAP1L1	ENSG00000187109.13	9.178844286	7.316953069	9.168011395
ATP6V1G1	ENSG00000136888.6	7.072718203	9.296605845	7.180174497
SEM1	ENSG00000127922.9	7.218819067	7.746916855	6.898659265
ATP6V0D1	ENSG00000159720.11	7.272888286	7.000075124	7.670719611
YWHAB	ENSG00000166913.12	8.731555029	7.276445469	7.953780585
DHX15	ENSG00000109606.12	8.209330899	6.8404428	8.353788519
NUDC	ENSG00000090273.13	8.430050519	7.415909484	6.847068101
HMG1	ENSG00000205581.10	7.289927411	7.107602815	7.201410563
BUD31	ENSG00000106245.10	7.555758985	6.866931396	7.095539894
TM9SF2	ENSG00000125304.8	7.499459902	6.823414783	7.02392693
IARS	ENSG00000196305.17	7.888054156	8.457018421	7.623460509
RBM3	ENSG00000102317.17	8.054264175	7.138464332	7.24914617
SERINC3	ENSG00000132824.13	7.378423313	6.879995503	7.55414762
SHC1	ENSG00000160691.18	7.520467189	7.240765835	6.800012994
TXN	ENSG00000136810.12	9.117740766	9.281188342	6.964121069
PTPA	ENSG00000119383.19	7.984159456	7.342513554	7.715624806
PSMA1	ENSG00000129084.17	7.413350997	7.613443787	7.675347745
LMNA	ENSG00000160789.19	9.168207699	8.05088758	7.166389782
GRN	ENSG00000030582.17	6.989158838	8.770901864	7.774614941
U2AF2	ENSG00000063244.12	8.333464458	6.839235776	7.442862106
COPS9	ENSG00000172428.10	6.835539978	7.245706929	6.992730711
CST3	ENSG00000101439.8	7.55570753	8.541740876	6.810640206
SF3B6	ENSG00000115128.6	8.412380567	8.544778535	6.837997739
FDPS	ENSG00000160752.14	7.486780062	8.276272767	6.841917828
LAMC1	ENSG00000135862.5	7.761072658	6.845465024	6.991457359
TMED3	ENSG00000166557.12	6.852998704	8.254621255	7.180387851
CERS2	ENSG00000143418.19	7.67145501	7.571058965	7.381755597
APEH	ENSG00000164062.12	7.193891089	7.245270797	7.170171206
EBNA1BP2	ENSG00000117395.12	8.318075168	7.025732662	6.793690882
STARD7	ENSG00000084090.13	6.853904021	7.723253118	7.169476333
CCDC47	ENSG00000108588.13	7.703104892	7.162649878	7.71079983
ARF5	ENSG00000004059.10	6.868459946	6.872881831	6.822501295
HNRNP	ENSG00000138668.18	8.503399994	7.569902847	7.526766445
ST3GAL4	ENSG00000110080.18	7.571536407	7.267514504	7.11662796

QARS	ENSG00000172053.17	7.588182562	7.157848858	7.346136029
TTYH3	ENSG00000136295.14	7.091758969	10.45347109	6.797269707
NELFCD	ENSG00000101158.13	7.489931585	6.917118463	6.796919005
VMP1	ENSG00000062716.12	6.914347467	6.936077521	6.808456529
ARF4	ENSG00000168374.10	8.199399	8.519886242	7.441759866
SON	ENSG00000159140.19	6.805116445	6.984433182	7.773125337
HGS	ENSG00000185359.12	7.601592515	7.350865328	7.554022293
UQCRB	ENSG00000156467.9	7.163126152	6.970204566	7.203607143
ZC3H15	ENSG00000065548.17	6.980772574	7.231305732	6.81386265
LONP1	ENSG00000196365.11	7.654798306	6.945222922	8.186182219
SARS	ENSG00000031698.12	7.746272421	7.446787522	8.467818343
ARPC1B	ENSG00000130429.12	7.388966705	9.13601322	8.093567795
COPB2	ENSG00000184432.9	7.768850281	8.281467908	6.79028779
POLDIP2	ENSG00000004142.11	7.996581801	7.424787542	7.467775246
MTDH	ENSG00000147649.9	7.143707152	7.110494772	6.758773903
LAPTM4A	ENSG00000068697.6	7.59030531	8.024207017	6.793333524
SPG21	ENSG00000090487.10	7.384478685	7.546887852	6.837190328
PRPF8	ENSG00000174231.16	8.18107067	6.752922324	7.373120525
AP1S1	ENSG00000106367.13	7.447360777	7.999418682	7.181655659
HMGB1	ENSG00000189403.14	8.038866726	6.924018237	6.759515702
ALYREF	ENSG00000183684.7	7.951560342	7.140243277	6.809511535
RCC2	ENSG00000179051.13	8.146962368	6.73992408	7.047268747
SF3A1	ENSG00000099995.18	7.409605151	7.068227321	7.204141004
EIF6	ENSG00000242372.6	8.628547132	7.117295311	7.237516
IMPDH2	ENSG00000178035.11	9.223334229	7.509377588	6.747141412
DRAP1	ENSG00000175550.7	8.528225948	6.945950494	7.338772195
ADAR	ENSG00000160710.15	7.462741596	7.516734657	6.765512079
DCBLD2	ENSG00000057019.15	8.279256883	7.162471112	8.199468085
CAPNS1	ENSG00000126247.10	7.697809298	7.776665222	7.51377596
NONO	ENSG00000147140.15	8.814328602	8.083050093	8.135952984
NDUFS2	ENSG00000158864.12	8.374395751	7.789709672	7.465516857
PARP1	ENSG00000143799.12	8.332974931	7.002092906	6.731797018
SDF4	ENSG00000078808.16	6.724604628	7.467211732	7.539973081
HIGD2A	ENSG00000146066.2	7.436790861	7.091594122	7.944650586
PTMS	ENSG00000159335.15	8.583594649	6.748333852	7.207175934
HLA-C	ENSG00000204525.16	7.406501018	6.730361989	7.08904688
COPE	ENSG00000105669.13	8.154409755	7.754862556	6.81965143
OST4	ENSG00000228474.5	7.804198525	8.166345983	6.722916246
H2AFV	ENSG00000105968.18	7.090705001	6.961866933	6.882098493
ATP6V0B	ENSG00000117410.13	7.301739654	7.565599715	6.721061364
TMEM230	ENSG00000089063.14	7.797750825	7.780607696	6.731982622
HAX1	ENSG00000143575.14	7.659845786	7.558799292	7.009669275
MRPS15	ENSG00000116898.11	7.155127192	7.004515475	6.699758639
RHEB	ENSG00000106615.9	7.125734666	7.545919454	8.187008935
MAP2K2	ENSG00000126934.13	7.458452695	7.482419864	6.82706937
TMCO1	ENSG00000143183.16	8.368838023	7.777181321	6.786987736

CORO1C	ENSG00000110880.10	6.700044894	7.593057058	7.227488428
AAMP	ENSG00000127837.9	6.82074098	6.89850194	6.831944799
FKBP8	ENSG00000105701.15	7.926766709	7.894221748	7.859089195
RPL13AP5	ENSG00000236552.2	8.283874114	7.900252865	7.2845011
MLEC	ENSG00000110917.7	7.083792093	7.329762975	8.338716171
KHDRBS1	ENSG00000121774.17	7.951014532	6.850966959	6.805551084
SELENOH	ENSG00000211450.9	7.680045347	6.702616605	7.212719925
PRELID3B	ENSG00000101166.15	9.003130097	6.813736365	7.426629418
SLC43A3	ENSG00000134802.17	7.675452031	7.525886742	7.559878183
VAMP3	ENSG00000049245.12	6.837873139	7.773510896	7.41835123
SLC39A6	ENSG00000141424.12	6.769322005	9.060707542	7.034536959
EIF3D	ENSG00000100353.17	7.907917966	7.960340221	8.054469382
SUPT5H	ENSG00000196235.13	7.341862523	8.219601417	7.09611335
ATP6V0E1	ENSG00000113732.8	6.693478138	8.055567628	7.289596688
ITGB1	ENSG00000150093.18	7.884068486	7.975981675	7.907366903
PSMC4	ENSG00000013275.7	8.611767604	8.089965915	6.70110198
SLC38A2	ENSG00000134294.13	8.692022218	6.73438146	8.537425191
TRIP12	ENSG00000153827.13	6.819105536	7.181941429	7.062281888
TRIR	ENSG00000123144.10	8.117723396	7.46030951	7.274252323
SDC3	ENSG00000162512.15	7.904227598	8.431043779	8.161767117
USP22	ENSG00000124422.11	7.651474647	6.665498176	7.728905118
EIF3A	ENSG00000107581.12	8.210885635	7.263365108	7.66401785
SEC61A1	ENSG00000058262.9	7.188514774	7.812179778	6.997791804
PSMD6	ENSG00000163636.10	7.890938013	7.285252074	6.651416385
GDI1	ENSG00000203879.11	7.591603409	7.895645746	7.863368527
AURKAIP1	ENSG00000175756.13	7.742936185	7.257068132	6.891084942
RER1	ENSG00000157916.19	7.917191127	7.805322405	7.244142156
DLGAP4	ENSG00000080845.17	6.752393727	7.344182284	7.590208709
RUVBL2	ENSG00000183207.13	8.479099895	7.653178714	6.924726838
CSNK2B	ENSG00000204435.13	7.019584039	7.3617071	7.742252652
DPM1	ENSG00000000419.12	8.004095448	6.958221862	6.764859194
PRDX4	ENSG00000123131.12	7.805664053	6.778289716	6.84533028
FXYS5	ENSG00000089327.14	8.382052055	7.576317126	7.710594499
SUCLG1	ENSG00000163541.11	6.651084192	7.11735124	6.802470809
HLA-E	ENSG00000204592.8	6.672593404	7.562115253	6.730662632
GDI2	ENSG00000057608.16	8.212157936	7.517978443	7.788269426
CDC37	ENSG00000105401.8	8.517930995	7.867345034	7.215362259
GTF3A	ENSG00000122034.14	7.251601847	7.198416199	7.242020065
CALD1	ENSG00000122786.19	6.651446459	8.17199196	6.955791226
ATN1	ENSG00000111676.14	7.387651848	6.644085676	7.127378032
ATXN2L	ENSG00000168488.18	7.623674048	6.666185232	7.764463544
NDUFB10	ENSG00000140990.14	7.59702271	6.830830436	7.017493916
DNAJC8	ENSG00000126698.10	7.274686777	7.62349539	6.651308116
EIF1	ENSG00000173812.10	7.859978575	7.403266867	8.717862526
RPS26	ENSG00000197728.9	8.986477037	8.030245892	6.719448322
BAZ1B	ENSG00000009954.10	7.011130704	7.113482796	6.636838152

WWTR1	ENSG00000018408.14	9.210440464	7.041267716	9.091515207
PPM1G	ENSG000000115241.10	8.5143267	7.665499348	6.65623195
WARS	ENSG000000140105.17	7.559080299	6.679696892	6.669395754
TPM3	ENSG000000143549.19	8.436355445	8.053976244	6.808917595
TSPO	ENSG000000100300.17	6.705180541	7.946517522	7.356843138
MTCH1	ENSG000000137409.19	6.623053727	7.565203068	7.247327629
H3F3B	ENSG000000132475.10	7.565853187	6.910544828	7.882720776
C19orf53	ENSG000000104979.8	8.278712824	7.746886946	6.6336135
PSMA4	ENSG000000041357.15	8.141149289	7.515311845	7.077762471
MRPL37	ENSG000000116221.15	7.276480339	7.324473476	6.838422129
COPB1	ENSG000000129083.12	6.993516792	7.958916347	6.93774723
ARHGEF2	ENSG000000116584.17	8.045275993	7.144517693	8.342719338
SDHA	ENSG000000073578.16	6.632041251	7.239323041	7.627742652
PTPN11	ENSG000000179295.17	7.378895296	6.859080766	6.660654938
RAB13	ENSG000000143545.8	8.237868337	7.909548508	6.648675936
ATP5E	ENSG000000124172.9	7.569706638	6.598893987	7.071075419
PICALM	ENSG000000073921.17	7.029071553	6.690718174	7.201550907
STMN1	ENSG000000117632.22	8.096975215	6.892471455	6.908126691
MAZ	ENSG000000103495.13	7.907153236	6.817986721	6.927704979
UBA2	ENSG000000126261.12	7.829577632	7.127108932	7.624731092
SSR4	ENSG000000180879.13	7.190511558	7.991547903	7.025413741
ADIPOR1	ENSG000000159346.12	7.845147141	7.543572565	7.35276046
ERP29	ENSG000000089248.6	7.57657572	8.189870133	6.642013936
PABPC4	ENSG000000090621.13	8.109749455	7.696579711	7.452185666
PPP1CC	ENSG000000186298.11	8.001383938	7.422276661	6.707353837
GABARAP	ENSG000000170296.9	7.712483407	6.784227627	7.074542709
UBE2M	ENSG000000130725.7	8.228816987	7.640420257	7.569015425
B2M	ENSG000000166710.17	8.05668543	8.1806868	8.654775173
TMED4	ENSG000000158604.14	6.844254184	7.341732836	6.985897761
SUMO3	ENSG000000184900.15	6.591441357	6.742326337	6.816913749
MRPL33	ENSG000000243147.7	7.754896291	7.317858302	6.685875772
BAX	ENSG000000087088.19	7.246268053	8.759265641	7.105553069
TOMM22	ENSG000000100216.5	7.253950184	6.778533318	6.696388352
ERGIC1	ENSG000000113719.15	7.555159001	7.172286005	6.579257212
NDUFS8	ENSG000000110717.12	7.153007979	6.820914405	7.23941724
UBE2D3	ENSG000000109332.19	7.376427668	6.606242004	7.214958695
UBE2C	ENSG000000175063.16	8.053167122	6.655767543	6.647856578
MAP7D1	ENSG000000116871.15	7.877140766	7.20643403	6.610871878
GOT2	ENSG000000125166.12	7.869652652	6.575903728	7.216491838
NDUFV1	ENSG000000167792.11	7.196848972	7.033055068	7.328580732
ETV5	ENSG000000244405.7	6.60038085	7.147062705	9.371095009
NPC2	ENSG000000119655.10	6.741815636	7.055863561	6.994782628
TOP1	ENSG000000198900.5	8.534148327	6.587346247	7.078203503
IK	ENSG000000113141.17	7.884852866	6.563345535	6.873127626
PRRC2A	ENSG000000204469.12	7.272266321	7.235659327	7.414533947
GNPDA1	ENSG000000113552.15	6.890128192	6.663696281	6.609209179

SSR2	ENSG00000163479.13	8.618103938	7.602296101	6.573448796
CD151	ENSG00000177697.17	6.984452826	6.917550567	6.755552562
CKS2	ENSG00000123975.4	8.560270131	8.312012475	6.550064545
TOMM20	ENSG00000173726.10	8.444011112	6.539907226	7.521567522
CCDC124	ENSG00000007080.10	7.986757073	7.74756118	6.735873032
KARS	ENSG00000065427.14	8.367091861	7.222707188	7.376126993
DHX9	ENSG00000135829.16	8.556954779	7.478001694	6.620250097
RAD23B	ENSG00000119318.12	7.754437613	7.784439536	7.170865358
POLD2	ENSG00000106628.10	6.767480184	7.106649584	6.677017821
IARS2	ENSG00000067704.9	7.745949008	6.523202059	7.244180454
NDUFA4	ENSG00000189043.9	6.763321823	7.401832657	7.194957798
ASNA1	ENSG00000198356.11	7.318875245	7.105691728	6.63868602
KTN1	ENSG00000126777.17	7.336574864	7.391598505	7.426143474
MAP4	ENSG00000047849.21	6.57087523	7.419844156	7.087498162
DARS	ENSG00000115866.10	6.562231773	6.92916742	6.823703729
NAP1L4	ENSG00000205531.12	6.633200375	7.341093424	7.923751597
MARS	ENSG00000166986.14	8.245395118	7.235521578	7.988327769
CNN3	ENSG00000117519.15	7.495242508	7.148970101	6.532885665
MRPL24	ENSG00000143314.12	8.01526909	7.836652929	6.675205027
FAM168B	ENSG00000152102.17	6.526806534	6.894229677	7.295638445
CYC1	ENSG00000179091.4	7.543047013	7.515784882	6.647529234
SYPL1	ENSG00000008282.8	6.531179213	7.099534642	6.61248143
SMG5	ENSG00000198952.8	6.810485124	6.993860667	6.739869741
GNB2	ENSG00000172354.9	7.517772202	8.109605165	6.516192011
GART	ENSG00000159131.16	7.407376347	6.87947913	6.890003792
EIF3H	ENSG00000147677.10	7.699672005	6.866576662	7.585672555
MYH9	ENSG00000100345.20	7.029191468	8.275092402	8.203782985
MRPL15	ENSG00000137547.8	7.081983542	6.747728258	7.010995001
CIAO1	ENSG00000144021.2	6.869404417	7.053280211	6.68309384
INPPL1	ENSG00000165458.13	6.604163759	7.12235137	7.275044264
SRSF10	ENSG00000188529.14	7.120507048	6.561193646	6.622855116
KDELR2	ENSG00000136240.9	7.456740773	8.614792322	6.528389393
KIF5B	ENSG00000170759.10	7.247718675	6.504276267	6.821954368
DNAJC7	ENSG00000168259.14	7.593211497	7.195828645	6.961135612
HDGF	ENSG00000143321.18	9.59722446	8.370399832	6.509951985
MFN2	ENSG00000116688.16	7.003496176	6.876981063	6.94274535
TMEM14B	ENSG00000137210.13	7.010644037	6.602660994	7.092370893
YBX3	ENSG00000060138.12	8.062536052	7.013673673	9.033641699
NDUFB11	ENSG00000147123.10	7.230374748	6.728099917	6.522598444
CHMP2A	ENSG00000130724.8	7.327717441	7.315865708	7.173202825
MRPL20	ENSG00000242485.5	7.970966737	7.068485362	6.708787293
ANAPC5	ENSG00000089053.12	7.671345737	7.426407093	7.406009215
CORO1B	ENSG00000172725.13	7.125201201	6.994874742	7.031006381
GIPC1	ENSG00000123159.15	7.273434007	7.904422834	6.85193485
SLC25A39	ENSG00000013306.15	6.707814259	7.509537067	7.864409412
TFRC	ENSG00000072274.12	7.239777256	7.648552788	10.32199406

PUF60	ENSG00000179950.13	7.800682378	7.019857876	6.58574772
SBDS	ENSG00000126524.9	7.071291908	7.137193774	6.497081976
FBL	ENSG00000105202.8	8.151170486	7.470071205	6.607164562
NDUFA1	ENSG00000125356.6	7.250911442	7.383874249	7.750223059
BUD23	ENSG00000071462.11	6.924197046	7.34813759	6.508673752
HMG2	ENSG00000198830.10	9.108103623	7.143497732	6.685416469
EI24	ENSG00000149547.14	8.055145172	6.680954481	7.25415603
PPP1R14B	ENSG00000173457.10	7.984525393	7.456900653	6.777197108
PCNA	ENSG00000132646.10	8.835551428	8.104511406	6.576601479
PDCD6	ENSG00000249915.7	7.636302437	7.777584071	6.952651432
MACF1	ENSG00000127603.24	6.613649007	6.714776568	7.350260301
PDZD11	ENSG00000120509.10	6.639998555	6.898963768	6.489699055
RDX	ENSG00000137710.14	6.508819184	6.664761586	7.209572368
FKBP2	ENSG00000173486.12	6.786921611	6.505419742	6.692976504
ATOX1	ENSG00000177556.11	8.53390346	9.37199328	9.277479066
PIGT	ENSG00000124155.17	7.189317767	6.947725997	7.076774295
MEA1	ENSG00000124733.3	6.893486674	6.495293222	6.875459155
B4GALT5	ENSG00000158470.5	6.535317227	6.507528876	9.113568949
TUBB4B	ENSG00000188229.5	9.778687117	9.137157438	6.542470675
CNOT1	ENSG00000125107.17	7.042417099	6.489995939	7.167765754
SEC61G	ENSG00000132432.13	7.796246233	8.501743797	6.749464567
LAMTOR5	ENSG00000134248.13	7.01242721	6.876778871	6.559206161
MCFD2	ENSG00000180398.11	6.786211053	7.181759279	6.480286748
TIMM50	ENSG00000105197.10	7.009364941	8.505374196	6.83936385
PHC2	ENSG00000134686.18	8.582806823	6.584729538	7.491404743
DSTN	ENSG00000125868.15	8.544915962	7.378023343	7.202759022
HNRNPDL	ENSG00000152795.17	7.613548459	6.989339717	7.05731333
BTBD1	ENSG00000064726.9	6.52827476	6.818784659	6.776827753
DNAJB11	ENSG00000090520.11	6.600637116	7.565718799	6.565330729
TIMP2	ENSG00000035862.12	6.856792877	9.15659949	9.327758423
CDK16	ENSG00000102225.15	7.002165581	7.216838566	6.955676406
REPIN1	ENSG00000214022.11	6.523833626	7.471749174	7.365693105
RTFDC1	ENSG00000022277.12	6.862430117	6.586096239	7.997753918
POLR2B	ENSG00000047315.15	7.669574047	6.536232431	6.475296512
ATP6V1A	ENSG00000114573.9	6.806176699	6.498337559	6.524469832
RAB1A	ENSG00000138069.16	6.679997778	7.701018152	6.831817198
ACIN1	ENSG00000100813.14	6.674340442	6.621056827	6.627781824
OAT	ENSG00000065154.11	7.980743264	7.05308595	6.464539105
TRPC4AP	ENSG00000100991.11	6.488280664	6.636731594	7.122494218
TRMT112	ENSG00000173113.6	8.072770404	6.475789459	6.653591004
RBMX	ENSG00000147274.14	7.835640001	6.885045292	7.04558769
SAMM50	ENSG00000100347.14	6.78841397	7.628813809	7.242391402
CLSTN1	ENSG00000171603.16	6.845235303	7.636248676	6.814391569
PRDX2	ENSG00000167815.11	8.123065401	6.546078731	7.561853292
DAZAP1	ENSG00000071626.16	7.418248086	6.878122958	6.440634445
PSMD12	ENSG00000197170.9	6.969428219	6.578042625	6.877422517

ILF3	ENSG00000129351.17	8.967780111	7.435378388	6.766275872
C11orf58	ENSG00000110696.9	6.588837353	7.25094492	7.351333152
TMEM123	ENSG00000152558.14	7.43426274	6.418113501	7.640248248
YARS	ENSG00000134684.10	7.669653459	6.927216653	7.418667101
ARL6IP5	ENSG00000144746.6	6.733031462	7.194632722	6.490346263
COPRS	ENSG00000172301.10	6.559820148	6.983342317	7.027049664
PRPF19	ENSG00000110107.8	8.662425652	6.880925671	6.50188001
PTPN1	ENSG00000196396.9	6.603036762	7.02781042	6.883016739
CHPF	ENSG00000123989.13	6.675041256	7.341198589	6.514628914
CLTA	ENSG00000122705.16	8.597328941	7.718141757	7.214245991
XPO1	ENSG00000082898.16	7.651317116	7.697359756	6.529828122
GSS	ENSG00000100983.9	7.066794055	6.432474698	7.370466752
UTP18	ENSG00000011260.13	6.864903071	6.553402986	7.060438641
MCCC2	ENSG00000131844.15	7.728317727	6.501936038	6.707924408
STT3A	ENSG00000134910.12	7.198635259	6.440902524	7.102602345
LMAN1	ENSG00000074695.5	6.479417748	7.911422261	6.405892948
PSMA3	ENSG00000100567.12	7.424186965	6.682481408	6.411780508
PSMD13	ENSG00000185627.17	7.316243585	6.994145877	6.698786591
EPRS	ENSG00000136628.17	7.967579138	6.398881772	6.924469252
POLR2K	ENSG00000147669.10	7.386915974	6.83811256	6.451970957
LUC7L2	ENSG00000146963.17	6.896857507	6.557167997	6.742420715
PGD	ENSG00000142657.20	7.770966266	6.532249501	6.964653892
PHLDA2	ENSG00000181649.5	6.693022845	7.830363536	6.786161737
HK1	ENSG00000156515.21	7.455981589	6.585129543	7.693239062
NOP58	ENSG00000055044.10	7.265233292	7.038649813	6.422158599
TMED10	ENSG00000170348.8	6.759983889	6.856585342	7.976847835
ESD	ENSG00000139684.13	7.495722805	6.664114756	6.862376043
UQCR11	ENSG00000127540.11	6.47511494	6.73206104	7.155225868
EIF5B	ENSG00000158417.10	6.728869042	7.111827409	6.382210585
SDHD	ENSG00000204370.9	7.391484181	6.767685974	7.525315913
TMEM147	ENSG00000105677.11	7.026243723	7.689820855	6.956604389
RARS	ENSG00000113643.8	7.922002323	6.962950784	6.369420131
SEPT2	ENSG00000168385.17	6.390621515	7.300674105	6.480834933
NCOA4	ENSG00000266412.5	6.918284982	6.405630734	7.046021184
RNPS1	ENSG00000205937.11	7.652052805	6.528932859	6.91914362
IMMT	ENSG00000132305.20	7.575574376	6.649147929	6.580867861
MATR3	ENSG00000015479.18	7.018601822	6.844542965	6.561844391
MCL1	ENSG00000143384.12	8.338388964	7.17108427	6.387079998
DYNC1LI2	ENSG00000135720.12	6.462639316	7.067569135	7.28817399
RBBP7	ENSG00000102054.17	7.586719941	6.452882524	7.016629218
SNRPD3	ENSG00000100028.11	6.975990832	7.018098263	6.442389123
GNS	ENSG00000135677.10	6.379312585	7.146417059	6.651819423
DPP7	ENSG00000176978.13	6.634378417	8.352049767	8.000110037
NFE2L1	ENSG00000082641.15	6.513821233	6.772776306	7.385947087
DTYMK	ENSG00000168393.12	6.682642171	6.624906914	6.482802193
PPA1	ENSG00000180817.11	7.539368323	6.929563447	6.401261382

ZYX	ENSG00000159840.15	7.116670032	7.351738302	7.34377398
IVNS1ABP	ENSG00000116679.15	6.560893529	8.962347612	8.055561845
RSL24D1	ENSG00000137876.9	7.825848778	6.763177076	7.658968546
DDX21	ENSG00000165732.12	8.216478968	6.424941725	6.452256787
NRDC	ENSG00000078618.21	7.528986454	6.980530669	6.503413567
GPS1	ENSG00000169727.12	7.317087191	6.806055393	6.960643818
IPO5	ENSG00000065150.18	7.967284056	7.448067531	6.406347251
AGAP3	ENSG00000133612.18	6.399451951	7.680128806	7.576838077
TBRG4	ENSG00000136270.13	6.927989657	7.278641529	6.395088451
LAP3	ENSG00000002549.12	6.819545331	6.381402986	8.477816677
PRKDC	ENSG00000253729.7	7.82729435	7.062397041	6.412630887
PSMB6	ENSG00000142507.9	7.485753068	6.3761437	6.479501581
FGD5-AS1	ENSG00000225733.5	6.9978607	6.70240435	6.443065431
HIF1A	ENSG00000100644.16	7.939165731	7.857168681	6.491841514
AZIN1	ENSG00000155096.13	7.278826905	6.473012854	7.213834837
DLD	ENSG00000091140.13	6.67574868	6.999390374	6.732217466
CAST	ENSG00000153113.23	7.174053092	6.833357068	7.895976091
ARPC4	ENSG00000241553.12	7.335845237	7.33478149	6.889307193
TPD52L2	ENSG00000101150.17	7.294383767	7.193803008	7.105387768
LRPPRC	ENSG00000138095.18	6.772479796	6.944439049	6.325584569
ZFP91	ENSG00000186660.14	7.025641623	6.746561103	6.832824021
SNX17	ENSG00000115234.10	6.711238172	7.11222947	6.338916558
ABCF1	ENSG00000204574.12	7.031855307	6.383318173	6.450340746
DEK	ENSG00000124795.14	7.44004338	6.622601574	6.935265816
MT2A	ENSG00000125148.6	8.666111862	7.637444462	7.909463153
TNPO3	ENSG00000064419.13	6.36375153	7.087204908	6.714008882
ENSA	ENSG00000143420.18	7.526247831	6.532756975	6.583120279
NDUFA8	ENSG00000119421.6	6.933145823	8.16004197	7.862971242
CAPN1	ENSG00000014216.15	6.31878072	6.87517666	7.166006799
DENR	ENSG00000139726.10	7.154766343	6.641118132	7.740918084
CHID1	ENSG00000177830.17	6.378519836	6.632072356	6.489653993
LRRFIP1	ENSG00000124831.18	6.353861367	7.113094327	6.969374791
H3F3A	ENSG00000163041.9	8.629722051	6.502353331	7.011398554
WSB2	ENSG00000176871.8	6.900085497	6.358862227	7.064087568
CSNK1D	ENSG00000141551.14	6.816938557	6.940008006	7.229210511
SAFB	ENSG00000160633.12	6.787163635	6.341893277	6.463135338
KRTCAP2	ENSG00000163463.11	7.167814847	6.936095021	6.410764418
PRPF6	ENSG00000101161.7	7.156306492	6.351893114	7.493482633
HNRNPUL2	ENSG00000214753.2	7.42783878	6.311957647	7.095154646
SGTA	ENSG00000104969.9	6.679576988	6.885161886	6.535075228
SSBP4	ENSG00000130511.15	7.352246886	6.312079995	6.799021267
TPX2	ENSG00000088325.15	7.756907881	6.580771415	6.394842305
GPAA1	ENSG00000197858.10	7.557387245	6.897556461	6.471873332
C6orf48	ENSG00000204387.12	6.424960376	6.690557157	7.876638119
SPCS1	ENSG00000114902.13	7.752304436	7.195662837	6.388054114
HNRNPR	ENSG00000125944.19	8.088114734	6.902107679	7.156731301

ATG3	ENSG00000144848.10	6.478963289	6.442312529	6.352717299
CLPTM1L	ENSG00000049656.13	7.558795946	6.924418296	6.793964303
GRINA	ENSG00000178719.16	6.637285492	7.697498953	7.110777569
CLPTM1	ENSG00000104853.15	6.921487481	6.496138114	7.656703223
G3BP2	ENSG00000138757.14	6.445279846	8.379317751	7.037079156
LY6E	ENSG00000160932.10	7.706640112	7.941301593	7.893819453
FUBP1	ENSG00000162613.16	7.624275864	6.369568944	6.675577201
KIAA0100	ENSG00000007202.14	7.039626697	7.054934259	7.175525553
NIPA2	ENSG00000140157.14	6.638484382	6.957521536	7.020005336
EFTUD2	ENSG00000108883.12	7.157818134	6.892665793	6.497174556
AATF	ENSG00000275700.4	7.46732068	6.623958369	7.511494668
SNRPG	ENSG00000143977.13	8.603603707	7.75116353	6.333339784
SERINC1	ENSG00000111897.6	6.624686191	7.00373796	6.967298686
PSMB2	ENSG00000126067.11	7.740719958	6.94155854	6.552412314
VAR5	ENSG00000204394.12	7.268662088	7.048565768	6.743647867
MTA2	ENSG00000149480.6	7.419618719	6.480200128	6.318923773
CNPY2	ENSG00000257727.5	7.697945597	7.094268735	6.29257895
UQCRC2	ENSG00000140740.10	7.051897891	7.278037089	7.693718047
ATP5G2	ENSG00000135390.17	8.27737235	7.60617013	7.623318241
COPS6	ENSG00000168090.9	7.188029021	7.343595874	6.478842333
H1FO	ENSG00000189060.5	8.496477475	7.008865756	6.39333761
ACADVL	ENSG00000072778.19	8.281844655	6.695033074	7.642066242
LUC7L3	ENSG00000108848.15	6.864236805	6.524134498	6.728766299
ITM2C	ENSG00000135916.15	6.287861791	7.743741496	6.795951324
MCM3AP	ENSG00000160294.10	6.440776402	6.507615924	6.73465006
SF3B4	ENSG00000143368.9	8.074692741	7.576837698	6.326680591
AARS	ENSG00000090861.15	8.098378488	7.203209992	8.85638431
PPP3R1	ENSG00000221823.10	6.627873905	6.529631753	6.28311412
PGM1	ENSG00000079739.15	6.295828966	6.73716351	6.337959016
C6orf62	ENSG00000112308.12	6.861581232	6.7642592	7.063577571
UBE2L3	ENSG00000185651.14	6.27238069	6.768832304	6.532808546
USF2	ENSG00000105698.15	7.635920882	8.015339189	7.675393109
TCEA1	ENSG00000187735.13	6.806619475	6.275931296	7.855440577
VKORC1	ENSG00000167397.14	7.523451225	6.631326156	6.284725715
ARF3	ENSG00000134287.9	7.412802918	6.908961029	6.925784156
MKRN1	ENSG00000133606.10	6.478655089	6.807692339	6.546091376
GLUD1	ENSG00000148672.8	7.405737109	6.416322724	6.844753121
SLIRP	ENSG00000119705.9	7.475467972	6.338760451	6.493978808
VEGFB	ENSG00000173511.9	6.336129576	7.008770536	7.293671687
EMC4	ENSG00000128463.12	7.414325463	7.250495263	6.817032148
NOL7	ENSG00000225921.6	6.896650265	6.786214177	7.043579975
VPS25	ENSG00000131475.6	7.333814515	6.62508563	6.557735646
PPP2CA	ENSG00000113575.9	6.97094898	6.243989763	6.411176233
IGF2BP2	ENSG00000073792.15	6.773690199	6.760700604	7.691165528
ABCF2	ENSG00000033050.7	6.910834242	7.064700302	6.300976755
PRRC2C	ENSG00000117523.15	7.376864137	6.641835138	6.314348238

RBCK1	ENSG00000125826.20	6.42190081	6.544920885	6.289739238
ATPIF1	ENSG00000130770.17	7.455402684	6.677656218	6.25157981
ADIPOR2	ENSG00000006831.9	6.72443835	6.434141436	7.876559233
COA3	ENSG00000183978.7	6.897215671	7.049019668	7.052459205
HMGA1	ENSG00000137309.19	9.023282969	6.316233696	7.487403912
DNM2	ENSG00000079805.16	7.204134251	6.310117015	6.427499554
DCTN1	ENSG00000204843.12	6.473333681	6.98330348	6.225179301
DYNC1H1	ENSG00000197102.10	6.861415482	7.238409428	6.272023468
U2SURP	ENSG00000163714.17	7.197070604	6.482298225	6.635065993
UBE3C	ENSG00000009335.17	6.225550527	6.750661156	6.425592722
NEDD8	ENSG00000129559.12	6.917093246	6.285405534	6.295397482
PYGB	ENSG00000100994.11	9.479629007	8.18077698	6.246466482
HSD17B4	ENSG00000133835.14	7.38741682	6.509269825	6.655183683
PTTG1IP	ENSG00000183255.11	6.855372748	7.651042678	8.721793835
FAM50A	ENSG00000071859.14	6.877134545	7.107447776	6.907807957
MARCKSL1	ENSG00000175130.6	8.814243993	8.051582124	8.389243102
STOML2	ENSG00000165283.15	8.485564017	6.657258084	6.33058296
ILK	ENSG00000166333.13	6.525140025	7.27812366	7.447343435
TM7SF3	ENSG00000064115.10	6.561350453	7.294778407	7.660262193
PSMB5	ENSG00000100804.18	7.232221965	6.891185807	6.494061344
CTSZ	ENSG00000101160.13	9.515995316	9.849548322	6.256933001
SF3B5	ENSG00000169976.6	7.075106131	6.938341581	6.584077189
SLC20A1	ENSG00000144136.10	8.471350315	8.184520044	8.237427501
RAD23A	ENSG00000179262.9	7.784614401	7.002573678	7.527819888
RNF181	ENSG00000168894.9	6.670241562	6.79494012	6.252320704
SMARCA4	ENSG00000127616.17	7.589601047	6.324585032	6.721725454
MMP14	ENSG00000157227.12	6.296411121	9.206284651	8.075448612
SRSF3	ENSG00000112081.16	7.198303818	6.463780611	6.785356996
FAM3C	ENSG00000196937.10	7.465459964	6.658026491	6.240637758
SELENON	ENSG00000162430.16	7.645685172	7.603600894	6.983983657
SUPT6H	ENSG00000109111.14	6.851554069	6.953398796	6.761219519
ESYT1	ENSG00000139641.12	7.150737588	6.584925844	6.915743499
GLS	ENSG00000115419.12	6.199067768	6.748194233	7.700700166
HAT1	ENSG00000128708.12	6.489676287	6.573938107	6.795821539
GFM1	ENSG00000168827.14	6.482320023	6.224962191	6.436687352
CPNE1	ENSG00000214078.12	6.250099175	6.594987136	6.312148703
MKKS	ENSG00000125863.18	7.277136268	7.418766636	6.263884316
HMG20B	ENSG00000064961.18	7.610216494	8.453740408	8.914177797
PMPCB	ENSG00000105819.13	6.868354325	6.7479583	6.493497961
PLS3	ENSG00000102024.17	6.228706822	7.601387492	6.456965318
ARPP19	ENSG00000128989.10	7.023622387	6.433556114	6.805411034
ATRAID	ENSG00000138085.16	7.145210794	7.131178661	6.20656067
AP3D1	ENSG00000065000.15	6.423563146	7.513377181	7.244240467
VDAC2	ENSG00000165637.13	6.998602016	6.845548625	7.722467893
POLR2G	ENSG00000168002.11	7.481128773	6.26167905	6.871813359
SRP72	ENSG00000174780.15	7.518292153	6.354369404	6.493140175

MGAT1	ENSG00000131446.16	6.176843623	6.308925974	7.381125057
CBX1	ENSG00000108468.14	6.925143554	6.227851665	6.860283558
TPP1	ENSG00000166340.15	6.175981803	8.361939097	8.129603458
PDCD5	ENSG00000105185.11	7.531735237	6.638959713	6.207961031
NCOR2	ENSG00000196498.13	6.701889553	6.342919345	7.968224699
RRP36	ENSG00000124541.6	7.076951554	6.785290132	6.323692584
CDC16	ENSG00000130177.14	6.751230273	7.624123884	8.060053629
THRAP3	ENSG00000054118.13	7.454823549	6.71978238	6.251468353
DDX39A	ENSG00000123136.14	7.7340822	7.023959258	6.306799374
CTBP1	ENSG00000159692.15	7.335405182	6.320354509	7.895408736
CKAP5	ENSG00000175216.14	7.05089408	6.421277936	6.679807326
MRPS34	ENSG00000074071.14	7.310174651	6.691119675	6.646107787
MRPS18A	ENSG00000096080.11	6.399672153	6.237089972	6.292761833
MRPS18B	ENSG00000204568.11	6.806555793	6.188355962	6.881868613
SEPHS2	ENSG00000179918.18	7.188990173	6.180594231	7.82811691
MZT2B	ENSG00000152082.13	6.235611522	6.613481446	6.279084317
LAMTOR4	ENSG00000188186.10	6.437387751	7.40220124	6.293912128
FKBP4	ENSG00000004478.7	7.313675613	6.541474163	7.71892545
ECHS1	ENSG00000127884.4	7.466771042	6.562311789	6.186534551
WBP2	ENSG00000132471.11	6.4023373	7.866462761	8.692259284
TOP2A	ENSG00000131747.14	7.956827829	7.137985174	6.272075097
NAMPT	ENSG00000105835.11	6.186186212	7.045261858	7.46022402
SLC1A5	ENSG00000105281.12	8.395005419	6.806843298	11.44536568
PTP4A1	ENSG00000112245.10	7.742993289	8.99030886	8.362551138
MT-TV	ENSG00000210077.1	6.62251886	7.284497706	6.322766738
SNF8	ENSG00000159210.9	6.687978463	6.944604229	6.25735843
FAM96A	ENSG00000166797.10	7.084588222	6.615139376	6.234154925
IMPDH1	ENSG00000106348.16	6.333488673	7.183049315	6.21386405
TMEM248	ENSG00000106609.16	6.213346799	7.084679391	6.363475501
SRSF11	ENSG00000116754.13	6.880293876	6.360526192	6.172837662
LTBR	ENSG00000111321.10	6.925784932	7.013946664	7.375148557
SNRPE	ENSG00000182004.12	8.640579085	6.795735284	6.268525025
ESYT2	ENSG00000117868.15	6.282138855	6.789450244	7.788005171
MMP24-AS1	ENSG00000126005.16	6.206055868	7.107186541	7.163169854
G6PD	ENSG00000160211.15	7.057137639	6.380440223	6.467929873
AHCYL1	ENSG00000168710.17	6.526749295	7.953697315	6.44215134
MRPL3	ENSG00000114686.8	7.329512201	6.690196662	6.636356288
C7orf50	ENSG00000146540.14	6.228489436	6.761738842	6.669551043
USP5	ENSG00000111667.13	7.045166636	6.154544427	6.22467722
UBXN4	ENSG00000144224.16	6.236185663	6.649762874	6.897356749
RAB10	ENSG00000084733.10	7.035543611	7.062208725	6.137834947
OGDH	ENSG00000105953.14	6.432387033	6.641796259	6.785363447
HSD17B10	ENSG00000072506.12	7.865963456	7.513039841	6.199760039
STARD3NL	ENSG00000010270.13	6.195032419	7.316597829	6.156458028
FAM120A	ENSG00000048828.16	7.393250944	7.707946491	6.153070183
EXT2	ENSG00000151348.13	6.918054875	6.591484975	6.521534111

DNAJB6	ENSG00000105993.14	6.86657711	6.456864811	6.616356315
ATP5G1	ENSG00000159199.13	7.265605151	7.518388176	6.183275696
TMEM14C	ENSG00000111843.13	7.009328033	6.162083488	6.791600885
PYURF	ENSG00000145337.4	6.145776971	6.553436297	7.039309467
NDUFA13	ENSG00000186010.18	7.600268028	6.924111282	7.06391174
POLR1D	ENSG00000186184.16	7.183095808	6.804774557	7.243992886
FH	ENSG00000091483.6	7.924846406	6.154654178	6.899066942
SRM	ENSG00000116649.9	8.168857858	7.593136555	6.272707352
NOP56	ENSG00000101361.16	8.300379211	8.054449093	6.131595103
NCBP2	ENSG00000114503.10	6.405948733	7.392738003	6.541292458
PEA15	ENSG00000162734.12	7.029252885	7.030469872	6.186765146
MTIF2	ENSG00000085760.14	6.4562754	6.379968903	6.401846347
SNX1	ENSG00000028528.14	7.31758108	6.309785364	6.668683192
NDUFS3	ENSG00000213619.9	6.907290968	7.033071982	6.946458385
UFC1	ENSG00000143222.11	7.512119996	6.75481758	6.833094679
FKBP1A	ENSG00000088832.16	7.555181696	7.910902381	6.657069731
UXT	ENSG00000126756.11	7.2616081	6.652861363	6.164509691
GGH	ENSG00000137563.11	6.708038735	6.890138989	6.256128179
FAM210B	ENSG00000124098.9	6.15535601	8.057413079	8.439022705
TRAF7	ENSG00000131653.12	7.301281445	6.594235485	6.505662944
NAE1	ENSG00000159593.14	7.284589733	6.207115823	6.50811827
OCIAD1	ENSG00000109180.14	7.387839824	6.502792875	7.866359547
SNX2	ENSG00000205302.6	6.616466924	6.20802433	6.397906127
NPLOC4	ENSG00000182446.13	6.781585836	7.314837159	7.111975482
CUTA	ENSG00000112514.15	6.436215296	6.449403315	6.949827174
SEC31A	ENSG00000138674.16	6.180060427	6.798549269	6.181699952
ACO2	ENSG00000100412.15	6.129601017	7.172602247	8.195054636
SEPT7	ENSG00000122545.18	6.946121061	8.02188021	6.243142561
TNPO1	ENSG00000083312.17	6.682263757	7.023627217	6.307877251
DDX1	ENSG00000079785.14	8.015391774	7.562841835	6.122400009
MCM3	ENSG00000112118.18	7.014458187	6.168158553	6.334493449
DIAPH1	ENSG00000131504.15	7.420675744	6.583930643	6.397306136
ATP5L	ENSG00000167283.7	7.056015254	6.294716853	7.122781883
NME4	ENSG00000103202.12	6.698417723	6.74949679	6.78399135
NUCKS1	ENSG00000069275.12	8.078176882	6.215872634	6.10089979
NOC2L	ENSG00000188976.10	8.178584413	7.382251741	6.160875893
YIF1A	ENSG00000174851.15	6.313172199	7.003249114	6.352888511
ZNHIT1	ENSG00000106400.11	6.958615883	7.277878926	6.241919302
DAP3	ENSG00000132676.15	7.704662357	7.466442871	6.378484197
FDFT1	ENSG00000079459.12	6.55604074	6.237690882	7.860102597
NBR1	ENSG00000188554.13	7.025529617	6.661810295	7.636963846
GUSB	ENSG00000169919.16	6.120455697	6.140427865	6.223718911
ACTL6A	ENSG00000136518.16	6.488152953	6.417522439	6.113712316
MGST3	ENSG00000143198.12	6.083835969	7.698652542	7.792639366
GGCT	ENSG00000006625.17	7.202770201	7.283329141	6.074935439
SPCS3	ENSG00000129128.12	6.842395912	6.12165015	6.390058318

AURKA	ENSG00000087586.17	7.06629341	6.088775656	6.200441501
MTHFD1	ENSG00000100714.15	7.236267886	6.358748316	6.168271389
LYPLA2	ENSG00000011009.10	7.498322302	7.093252595	6.335363903
CD47	ENSG00000196776.14	6.495350769	6.496147564	6.143969508
ARCN1	ENSG00000095139.13	7.587921366	6.849699006	6.944934793
RPL26L1	ENSG00000037241.7	7.007879637	6.623660708	6.156737952
ADD1	ENSG00000087274.16	6.717250228	6.148127067	7.897870578
RABGGTB	ENSG00000137955.15	7.25067434	6.39967407	6.590150936
PPP6R1	ENSG00000105063.18	7.131723418	6.093228985	7.477663442
RAB11B	ENSG00000185236.11	6.884709625	6.581626057	6.492915883
CUL1	ENSG00000055130.15	6.492193015	6.733557803	6.254750786
TTC1	ENSG00000113312.10	7.204532801	6.326163845	6.507193746
IMP4	ENSG00000136718.9	6.58981416	6.608811317	6.280432591
TXNDC5	ENSG00000239264.8	7.846095581	7.197046668	7.676269334
ARIH2	ENSG00000177479.19	6.843441225	6.715016557	6.081463237
ABR	ENSG00000159842.14	6.384086018	6.233270298	7.429783612
NAXE	ENSG00000163382.11	7.237386004	7.687344677	6.63873222
CDC123	ENSG00000151465.13	7.706902327	6.87065426	6.165286313
TMEM258	ENSG00000134825.15	7.657224767	6.300644392	6.11154066
PPP1R9B	ENSG00000108819.10	6.449089471	6.556294529	6.641075312
CEBPZOS	ENSG00000218739.9	6.602060467	6.511936382	6.205421831
BOLA3	ENSG00000163170.11	6.569636642	6.659073349	6.147815092
API5	ENSG00000166181.12	6.888381331	6.751925867	6.383230315
TMED7	ENSG00000134970.13	6.918361763	6.373075623	6.54781927
SSFA2	ENSG00000138434.16	7.066741271	6.218005066	6.07885584
UQCR10	ENSG00000184076.13	6.39272998	6.986493439	7.624283462
PFKM	ENSG00000152556.15	6.720506312	7.13059284	7.188073267
NAA20	ENSG00000173418.11	7.533693347	6.868242001	6.146929804
PRR11	ENSG00000068489.12	7.021934732	6.394655936	6.664915381
GSTK1	ENSG00000197448.13	6.451039326	7.196313068	6.500316112
DEGS1	ENSG00000143753.12	6.790850013	6.064963685	6.126113899
LIPA	ENSG00000107798.17	6.123752008	6.587359806	6.649143416
SRPK2	ENSG00000135250.16	6.204283551	6.827933483	6.198486221
TIMP3	ENSG00000100234.11	9.639464253	7.478246248	6.086285859
BLOC1S1	ENSG00000135441.7	6.711957637	6.468898631	6.15180073
NRBP1	ENSG00000115216.13	6.707867586	6.395671522	6.050620748
ZFAS1	ENSG00000177410.12	7.210940641	6.940430518	7.641322422
ANAPC11	ENSG00000141552.17	6.518656938	6.515590285	6.887137203
NCSTN	ENSG00000162736.15	6.959893948	7.293269979	6.049668495
LYPLA1	ENSG00000120992.17	6.767619813	6.176434004	6.516853436
AP3S1	ENSG00000177879.15	6.330209404	6.382724427	6.383723637
ERLEC1	ENSG00000068912.13	6.720018608	6.722471208	6.099886231
TXLNA	ENSG00000084652.15	6.448027668	6.138432753	6.368122516
NDUFB3	ENSG00000119013.8	6.230076942	7.327913202	7.114187466
CAPZA1	ENSG00000116489.12	7.634765457	6.712857583	6.331660922
YTHDF1	ENSG00000149658.17	6.272120436	6.091021684	6.510752754

SRRT	ENSG00000087087.19	7.157759244	6.841036638	6.267472304
HIBADH	ENSG00000106049.8	6.060294831	6.910746902	6.315253909
HDAC1	ENSG00000116478.11	7.695862095	7.358134413	6.120132817
BRD2	ENSG00000204256.12	6.680516324	6.612043566	6.334583402
SLC25A1	ENSG00000100075.9	6.567135399	6.579130451	6.059867429
COX7B	ENSG00000131174.4	6.146750465	6.412531204	6.175521589
ZRANB2	ENSG00000132485.13	7.051985267	6.678935224	6.185071975
FLII	ENSG00000177731.15	6.745188393	6.508965661	6.194897629
TSPAN4	ENSG00000214063.10	6.156974744	7.366186585	7.531875175
MYO1C	ENSG00000197879.14	6.860998992	6.178551745	6.404770337
TYMS	ENSG00000176890.15	7.897383504	7.359655181	6.297735703
MAP4K4	ENSG00000071054.16	6.461470489	6.165819858	6.929150971
TOMM34	ENSG00000025772.7	7.301924309	6.14798412	6.992736585
LAPTM4B	ENSG00000104341.16	7.18983663	6.325323453	6.175069252
NDUFC2	ENSG00000151366.12	6.605162993	6.490915615	6.228704685
TAF7	ENSG00000178913.7	7.510108271	6.096167034	7.490905139
VBP1	ENSG00000155959.10	6.844323338	6.593652861	6.266503749
NOMO1	ENSG00000103512.14	6.478312652	6.259744082	6.528678346
ZMAT2	ENSG00000146007.10	6.844130099	6.419675508	6.049766668
CSNK1A1	ENSG00000113712.17	6.938770364	6.254843756	6.610348121
SPTAN1	ENSG00000197694.15	7.138492789	7.01153158	6.090048654
COPS5	ENSG00000121022.13	7.321963367	6.086196328	6.348677649
CSNK2A1	ENSG00000101266.17	7.311370329	7.036201675	6.137594419
FAM32A	ENSG00000105058.11	7.766824409	6.73833267	6.248263282
CUL4A	ENSG00000139842.14	7.357285878	6.558036535	6.029203749
EIF4A3	ENSG00000141543.9	7.141591066	7.324254591	6.093447628
IDH3G	ENSG00000067829.18	6.390093621	6.670461154	6.452548538
SMIM26	ENSG00000232388.4	7.058490587	6.377843858	6.010020276
SF3A2	ENSG00000104897.9	7.024312668	6.380843454	6.234895209
CAPN2	ENSG00000162909.17	7.754202842	6.396914278	6.694867832
EIF3J	ENSG00000104131.12	7.162909132	6.763529537	6.513677399
PSMD11	ENSG00000108671.9	7.303456401	6.920846641	6.84586435
GNL3	ENSG00000163938.16	7.753036876	7.045700986	6.136331786
CBR1	ENSG00000159228.12	6.926178781	7.771755711	6.144937524
RABL6	ENSG00000196642.18	6.108732939	6.90324943	6.81735421
FANCI	ENSG00000140525.17	6.806080583	6.110254272	6.025075918
FARSA	ENSG00000179115.10	8.440569592	6.561469825	6.059453276
BZW2	ENSG00000136261.14	7.645010593	7.331762732	6.071914599
BCAS2	ENSG00000116752.5	6.757216311	6.417941033	5.996841839
TAGLN2	ENSG00000158710.14	9.658615377	7.310280584	6.095188264
LAMB2	ENSG00000172037.13	6.446246175	7.155405052	6.343625571
TOMM70	ENSG00000154174.7	6.965743811	6.452914717	6.272224284
TIMM17A	ENSG00000134375.10	6.914661559	7.034416322	6.018871482
GSR	ENSG00000104687.12	6.019386141	6.47162558	6.335934833
RSL1D1	ENSG00000171490.12	7.418499746	6.220214772	6.901604712
DNAJC5	ENSG00000101152.10	6.068622826	6.127317047	6.653689129

DDX42	ENSG00000198231.12	6.444007907	6.792951469	6.783359233
EMP3	ENSG00000142227.10	7.234287907	6.95607808	6.206335428
SCPEP1	ENSG00000121064.12	6.175727275	7.613405751	6.187056006
DDX18	ENSG00000088205.12	6.859207165	6.550777832	6.09196999
UBE2E1	ENSG00000170142.11	7.679115234	7.571503765	7.764795859
ATP2C1	ENSG00000017260.19	6.07744163	6.59488824	6.059467977
NDUFA12	ENSG00000184752.12	6.738047166	6.340757317	6.186811895
TCOF1	ENSG00000070814.17	7.49700838	6.187532376	6.120215389
STAT6	ENSG00000166888.11	6.380983508	7.113646335	6.069481331
RTCB	ENSG00000100220.11	6.570102416	7.332016625	6.803623217
TMEM165	ENSG00000134851.12	6.738946771	6.602375543	6.165216982
SAP18	ENSG00000150459.12	6.795689592	6.116788372	6.180135031
MAP3K11	ENSG00000173327.7	6.199959171	6.887325621	6.675075666
RBM42	ENSG00000126254.11	6.726105575	7.414104409	6.562114221
DLST	ENSG00000119689.14	6.706164775	6.12021334	6.581333061
MRPL13	ENSG00000172172.7	7.037902277	6.473729632	6.086968545
MOB1A	ENSG00000114978.17	6.706002203	6.786731118	6.042006479
TMEM106C	ENSG00000134291.11	6.940276913	6.218250044	6.548049191
TAF6	ENSG00000106290.14	6.221174148	6.729131764	5.982584386
XPOT	ENSG00000184575.11	7.423050243	6.552198717	7.664907944
PPP6R3	ENSG00000110075.14	6.403279301	6.045521498	6.254061735
SURF4	ENSG00000148248.13	7.392802627	8.554800297	6.313483438
PAPOLA	ENSG00000090060.17	7.149713014	6.911872068	6.070342957
UBE2V1	ENSG00000244687.11	7.74557821	7.182597298	7.915798811
UBR4	ENSG00000127481.14	6.144406227	6.478334056	6.097514463
PGRMC1	ENSG00000101856.9	6.417694405	6.78168284	6.011985309
SRI	ENSG00000075142.13	6.832277582	7.00083026	6.102229449
SUPT16H	ENSG00000092201.9	7.66851879	6.337096097	5.993803085
FAM129B	ENSG00000136830.11	7.721561751	7.351427665	6.036160571
PPIF	ENSG00000108179.13	7.330337799	6.097039488	6.326678899
NUP98	ENSG00000110713.15	6.040163722	6.471024737	6.133980833
CTDNEP1	ENSG00000175826.11	7.389408083	6.223750506	6.279855124
POMGNT1	ENSG00000085998.13	6.547256684	6.365941587	6.26922122
EIF3M	ENSG00000149100.12	7.534016329	6.88021955	7.207660526
XPO7	ENSG00000130227.16	6.123787955	5.982773799	6.332201052
GTF2F1	ENSG00000125651.13	7.232187244	6.159221202	6.426432099
PPP2CB	ENSG00000104695.12	5.977817476	6.396737425	6.915342198
TRA2B	ENSG00000136527.17	6.782734078	6.009892688	6.07101198
AFG3L2	ENSG00000141385.9	6.519789615	7.187457619	6.347220111
SFXN3	ENSG00000107819.13	6.734167146	6.169201081	6.764133657
PON2	ENSG00000105854.12	6.031772797	7.39221813	6.099574597
PLAT	ENSG00000104368.17	7.048913089	7.574703379	6.34990318
CD59	ENSG00000085063.14	6.802089471	8.311743551	8.440591108
PNRC2	ENSG00000189266.11	6.588972752	6.110298551	6.003923565
EFHD2	ENSG00000142634.12	6.701879465	7.157828424	6.136415063
YME1L1	ENSG00000136758.18	7.164765322	6.522536896	6.254616586

DUT	ENSG00000128951.13	6.732409942	6.291237292	6.428247584
XPO6	ENSG00000169180.11	6.827415042	6.564252754	6.142590604
GUK1	ENSG00000143774.16	6.980038526	6.319769628	6.088872715
MPV17	ENSG00000115204.14	6.725775081	6.607185581	6.033764829
NAA10	ENSG00000102030.15	7.453731656	7.606017009	6.369677438
USP14	ENSG00000101557.14	6.38981297	6.926933773	6.197310359
PAIP2	ENSG00000120727.12	7.349172396	6.574701151	6.781159982
ATP6V1B2	ENSG00000147416.10	5.991759506	7.055709168	6.977163379
H2AFX	ENSG00000188486.3	8.021228917	5.956029204	6.118851539
WDR61	ENSG00000140395.8	6.391399563	7.086476613	6.093052822
GBA	ENSG00000177628.15	6.559293284	8.084586015	6.0226504
PSMA5	ENSG00000143106.12	7.353244615	6.521934777	6.041820484
WBP11	ENSG00000084463.7	6.906543766	6.595579942	5.965371945
APRT	ENSG00000198931.10	7.347107496	6.722611639	6.706710608
TLN1	ENSG00000137076.20	7.209021006	6.356930871	6.147979994
UPF1	ENSG00000005007.12	6.884938798	6.241460897	6.064375337
TRAPPC1	ENSG00000170043.11	6.92333724	6.398788024	6.094939601
CGGBP1	ENSG00000163320.10	6.440886183	6.747666724	6.037877033
TRAP1	ENSG00000126602.10	7.593047726	6.589264129	6.863012319
MLX	ENSG00000108788.11	6.900597133	6.68892841	6.887120922
SNX3	ENSG00000112335.14	6.802965395	6.612589533	6.549170281
POLR2C	ENSG00000102978.12	7.321649806	5.991197182	6.042076123
SNORD58B	ENSG00000271982.1	6.812850169	7.151770129	6.76178293
FBXW5	ENSG00000159069.13	6.583105448	7.524206065	7.725892885
ALG3	ENSG00000214160.9	6.520795221	7.076941963	5.991267442
SGK1	ENSG00000118515.11	6.651244417	8.094638803	6.241467632
SRSF5	ENSG00000100650.15	6.554900001	6.38875982	6.132315367
OSBPL9	ENSG00000117859.18	6.068622931	6.858689136	6.638642264
PAFAH1B2	ENSG00000168092.13	7.090643879	5.969815409	6.696217386
ITGB1BP1	ENSG00000119185.12	6.168253287	5.946147912	6.096798598
PAFAH1B1	ENSG00000007168.12	6.530378671	5.969083856	6.407005994
YIPF3	ENSG00000137207.11	6.396827899	6.719974962	6.869521177
PLOD1	ENSG00000083444.16	7.798727246	7.953094476	5.956513842
UBE2D2	ENSG00000131508.15	6.771998012	6.297055847	6.824898205
CDK2AP1	ENSG00000111328.6	7.411262549	7.06368443	6.140308396
MRPL28	ENSG00000086504.15	7.117973183	6.273095207	6.187553818
GATAD2A	ENSG00000167491.17	6.494184782	6.870209674	6.626054595
ELOF1	ENSG00000130165.10	7.69196498	6.327154093	6.040721181
CCNB1	ENSG00000134057.14	7.982485853	6.115722251	6.233147253
SCARB2	ENSG00000138760.9	6.294273411	7.537946079	7.065788778
ETS1	ENSG00000134954.14	5.926406654	6.650658187	6.32171613
CSNK2A2	ENSG00000070770.8	7.069540022	6.003924088	6.587336259
NDUFB5	ENSG00000136521.12	5.977952643	6.82359815	7.259667682
CDC27	ENSG00000004897.11	6.694961328	6.416407441	6.302541653
ATP13A3	ENSG00000133657.14	6.588649813	6.620262653	6.474691042
GYPC	ENSG00000136732.14	6.005979029	9.444807228	9.002684495

H2AFY	ENSG00000113648.16	7.197900271	5.963091146	6.5153793
SRP68	ENSG00000167881.14	6.326769352	6.017698429	6.531253774
SHISA5	ENSG00000164054.15	7.326090283	7.520344872	6.521474039
COA4	ENSG00000181924.6	7.421478514	6.591259604	6.496040852
ANP32A	ENSG00000140350.15	7.395253227	7.111384428	6.103807874
ANKRD10	ENSG00000088448.14	7.131574876	6.014897614	6.2169907
SMARCC2	ENSG00000139613.11	6.768621596	6.3442449	6.114054372
CYB5R3	ENSG00000100243.20	5.945265971	6.448900677	7.005040344
CLNS1A	ENSG00000074201.8	7.681529858	6.222464025	6.4481537
ELOC	ENSG00000154582.16	7.323781565	7.020624976	6.497478678
TADA3	ENSG00000171148.13	6.774411533	6.652756057	6.379238896
ATP5G3	ENSG00000154518.9	6.078971833	6.851672617	6.914279843
FLOT1	ENSG00000137312.14	6.058304807	6.869529806	8.585695676
UBE2L6	ENSG00000156587.15	6.665590836	6.260309598	5.952406347
RAB6A	ENSG00000175582.19	6.493025077	6.383354296	7.288299692
JTB	ENSG00000143543.14	7.260320793	7.086291468	6.809018316
ZMPSTE24	ENSG00000084073.8	6.969784925	6.742301745	5.933660259
ETFA	ENSG00000140374.15	7.008101469	7.042084153	6.922717617
EXOC7	ENSG00000182473.21	6.337206273	6.55366302	6.774049052
DCTN2	ENSG00000175203.15	6.681844678	6.626187986	8.717458557
BECN1	ENSG00000126581.12	6.859354439	7.054894725	6.848402129
CDV3	ENSG00000091527.15	6.638527395	6.405568125	6.293544333
SPRY2	ENSG00000136158.11	8.009109979	6.484817629	7.667221093
CIB1	ENSG00000185043.10	6.030578072	6.344324945	6.02482823
FIBP	ENSG00000172500.12	7.771465558	6.180873835	6.219236268
ARHGEF1	ENSG00000076928.17	7.315383865	7.303760791	6.56927591
VPS29	ENSG00000111237.18	6.532578738	6.981679024	6.001008283
SPAG9	ENSG00000008294.20	6.137803197	6.727312782	7.185164392
TMEM214	ENSG00000119777.18	6.753068234	7.533744334	6.008300178
RNF11	ENSG00000123091.4	6.009326448	5.952214518	6.572743468
UNC45A	ENSG00000140553.17	6.075175318	6.466107668	6.467664151
THOC7	ENSG00000163634.11	7.204466261	6.965473756	6.359437463
PLCG1	ENSG00000124181.14	6.040903917	6.088020273	7.115245719
EIF2AK1	ENSG00000086232.12	6.244897074	7.081980148	5.934210217
OSTC	ENSG00000198856.12	6.973111157	7.273908332	6.111018777
SLC35A4	ENSG00000176087.14	6.799149802	6.167029164	6.095218324
REEP5	ENSG00000129625.12	6.077051262	5.949234795	5.973679614
ACAT1	ENSG00000075239.13	6.567132779	5.990163062	6.795760199
TNPO2	ENSG00000105576.15	6.831770222	6.122897491	6.010160422
MRPL16	ENSG00000166902.4	7.298590057	6.576853989	5.881870276
COX17	ENSG00000138495.6	6.819435619	6.115990423	7.000602889
SUN1	ENSG00000164828.17	6.102163893	6.450777301	6.521624351
HSF1	ENSG00000185122.10	6.372505498	6.551355437	6.558429234
VPS4A	ENSG00000132612.15	6.375523119	5.913071798	6.627877567
TIMM23	ENSG00000265354.3	7.351493122	6.40248852	6.788886085
BNIP2	ENSG00000140299.11	6.230948195	6.926815732	6.759864164

ZC3H13	ENSG00000123200.16	6.590883203	6.770537688	8.968621593
SMARCC1	ENSG00000173473.10	7.203354999	6.405653303	5.981209113
PSMC6	ENSG00000100519.11	6.448238286	6.127577922	6.117749876
ZDHHC5	ENSG00000156599.10	6.445253698	6.375857918	6.882637394
C5orf15	ENSG00000113583.7	7.103512902	6.326882719	5.892289965
DPY30	ENSG00000162961.13	6.678196923	6.452569325	5.961307653
DDX3X	ENSG00000215301.9	7.422590343	6.11890401	6.395134202
RAP1B	ENSG00000127314.17	7.029082651	7.246896545	6.093013918
SPATS2L	ENSG00000196141.13	7.84530043	5.973666391	6.770199491
APH1A	ENSG00000117362.12	7.190934293	7.775201017	5.984784856
MCTS1	ENSG00000232119.7	7.362437805	6.313650892	6.584538969
CTNBL1	ENSG00000132792.18	6.148041729	6.069724767	6.266843499
BABAM1	ENSG00000105393.15	7.895719659	7.336686711	6.016034
CHPT1	ENSG00000111666.10	6.777615915	6.379242652	6.209970094
DHX30	ENSG00000132153.14	6.969907875	6.652487422	5.902999675
MFF	ENSG00000168958.19	6.061980701	6.68350527	6.360691744
PDHA1	ENSG00000131828.13	6.347206266	5.891372366	6.882009572
POLR2E	ENSG00000099817.11	6.006826693	7.369836834	6.517054783
CCDC86	ENSG00000110104.11	6.799168286	5.921284961	6.110441469
PABPN1	ENSG00000100836.10	6.685898507	6.090714326	5.983094869
GYG1	ENSG00000163754.17	6.135738561	5.920624087	6.32798938
ATP13A2	ENSG00000159363.17	6.099168543	6.983618748	7.354511146
CHD3	ENSG00000170004.16	6.502613462	5.976245075	5.95980763
NUP205	ENSG00000155561.14	6.524522024	6.70284598	5.876014665
PSMB8	ENSG00000204264.8	6.325886717	5.907966151	6.10999001
MRPL47	ENSG00000136522.13	6.521175976	6.110749614	5.937582401
SELENOW	ENSG00000178980.14	6.863081451	6.112858679	6.416636082
TIMM10	ENSG00000134809.8	6.680146652	6.379647731	5.878053133
UROD	ENSG00000126088.13	6.578511749	6.290042672	5.913237934
UFD1	ENSG00000070010.18	6.008099755	6.458070394	5.887679368
CCNG1	ENSG00000113328.18	6.579686683	6.369838307	7.594574508
BACE2	ENSG00000182240.15	6.384664595	7.849464147	7.478299525
TXNRD1	ENSG00000198431.15	8.130106475	7.321207462	6.321406981
SLC38A10	ENSG00000157637.12	5.944641964	7.582177468	7.412784875
HSD17B12	ENSG00000149084.12	6.489875286	7.343432324	7.14601804
ADH5	ENSG00000197894.10	7.026134476	6.766786181	6.116825787
WDR43	ENSG00000163811.11	6.735259922	6.612374083	5.886279096
FKBP3	ENSG00000100442.10	6.743251413	6.176062592	6.056345393
POLR2A	ENSG00000181222.15	7.581169045	5.862827031	6.297926986
PITRM1	ENSG00000107959.15	6.200194363	5.945507355	7.373629295
TAPBP	ENSG00000231925.11	5.905195736	6.64778946	6.636468945
PFDN6	ENSG00000204220.11	7.205846185	6.712656035	5.894518447
PSME1	ENSG00000092010.14	6.96381281	5.930586999	6.69176116
RNF10	ENSG00000022840.15	6.303470776	6.142358393	7.871524932
BZW1	ENSG00000082153.17	6.503507213	6.837088394	6.226660818
GABARAPL2	ENSG00000034713.7	7.496816975	6.956379111	7.984611631

CYP51A1	ENSG00000001630.15	5.87632566	7.656164142	7.095582889
COX7A2L	ENSG00000115944.14	6.387514675	6.097497358	6.821418937
CAT	ENSG00000121691.4	6.761846889	6.702084868	6.775136041
RNH1	ENSG00000023191.16	6.139871307	6.447257182	6.955407919
CS	ENSG00000062485.18	6.35881972	5.916374359	7.282371285
H1FX	ENSG00000184897.5	8.235435775	6.030829887	7.185045715
TM9SF3	ENSG00000077147.14	7.427885409	6.058636348	7.016163141
EDEM2	ENSG00000088298.12	5.870264818	6.280930532	5.868208095
CREG1	ENSG00000143162.7	6.89290968	7.426019302	5.886991462
WDR82	ENSG00000164091.11	6.905933261	6.299419843	5.837258315
MRPS30	ENSG00000112996.10	7.449304846	7.141936111	7.318327521
LAMTOR2	ENSG00000116586.11	7.083938337	6.995928232	5.860283949
BUB3	ENSG00000154473.17	7.703776957	6.149792333	5.9184373
HEXA	ENSG00000213614.9	5.947492694	7.354885833	7.173567773
ABRACL	ENSG00000146386.7	6.032371496	7.043028691	5.847616875
POFUT1	ENSG00000101346.13	6.42065741	6.028109748	5.87364606
EIF2AK4	ENSG00000128829.11	6.169457521	6.537384905	5.863511961
RIPOR1	ENSG00000039523.19	6.314242225	5.866248502	6.880154591
FNBP4	ENSG00000109920.12	6.549309213	6.294373987	6.784022979
RNASEK	ENSG00000219200.11	6.195889454	6.802901335	6.881603575
NRP2	ENSG00000118257.16	7.30195814	6.698362469	6.083744664
STOM	ENSG00000148175.12	7.703348746	8.094026791	6.201281944
HMGXB3	ENSG00000113716.12	5.837479167	6.021644958	6.461586314
STAT3	ENSG00000168610.14	6.430845644	6.129890082	6.085983947
SNX5	ENSG00000089006.16	8.046892461	6.740400485	5.921645543
MRPS5	ENSG00000144029.11	5.8577114	7.224669624	6.8228904
NIFK	ENSG00000155438.11	6.131277874	6.596633643	6.157177727
EXOSC10	ENSG00000171824.13	6.551388655	6.656375977	5.829860348
NBL1	ENSG00000158747.13	5.880439381	7.639666685	8.880022348
CNOT11	ENSG00000158435.7	5.83542215	6.397071361	6.352774102
GCN1	ENSG00000089154.10	6.912827452	6.215461822	6.590054706
ZMYND8	ENSG00000101040.19	6.817979182	6.275558302	5.832354925
TRAPPC3	ENSG00000054116.11	6.118800781	6.190419252	5.848822079
COLGALT1	ENSG00000130309.10	7.67024811	7.883237245	5.864102712
POM121C	ENSG00000272391.5	6.446822231	6.578885426	6.305593324
NDUFA3	ENSG00000170906.15	5.955506763	6.132114071	6.696850971
SH3KBP1	ENSG00000147010.17	7.185196004	5.942417482	7.405052666
TUBG1	ENSG00000131462.7	7.408719162	6.878106534	5.848129207
UHMK1	ENSG00000152332.15	6.434132274	6.586570254	6.560755034
TSR3	ENSG00000007520.3	6.448731631	6.278922979	5.987131278
ABHD12	ENSG00000100997.18	6.341426936	6.915906375	5.839499976
BHLHE40	ENSG00000134107.4	5.79468118	6.764450706	7.67532083
EIF2A	ENSG00000144895.11	7.55084124	6.768279294	7.202267788
SNHG1	ENSG00000255717.6	7.053807439	6.066270223	6.205171772
SDCBP	ENSG00000137575.11	6.244767029	7.524905458	8.286188725
DROSHA	ENSG00000113360.16	6.863756089	6.103730268	6.084371611

MRPL18	ENSG00000112110.9	7.006236118	6.300885445	5.836763496
DCTD	ENSG00000129187.14	6.744510596	6.015262608	6.047994602
CPSF1	ENSG00000071894.16	5.871311976	6.267829566	6.518433633
USP39	ENSG00000168883.19	6.452344686	6.826098188	5.788073455
CSK	ENSG00000103653.16	6.827395727	6.611656431	5.97645693
UBE2G2	ENSG00000184787.18	6.405876513	6.029308574	6.292418589
GOLPH3	ENSG00000113384.13	6.755412257	6.708594825	7.049124339
DNMT1	ENSG00000130816.14	7.635263308	5.986941365	5.927235732
PNKD	ENSG00000127838.13	5.865209514	6.987837295	6.353871714
LSM14B	ENSG00000149657.19	6.067569989	5.864742273	6.840556968
COMMD4	ENSG00000140365.15	6.611733102	6.268154091	6.022126767
BLVRA	ENSG00000106605.10	5.817105915	6.866582227	8.062723602
UBE2H	ENSG00000186591.11	5.901268374	7.142622276	7.013401711
NGRN	ENSG00000182768.8	6.017143047	6.133799923	6.45876765
MYH10	ENSG00000133026.12	6.989152759	6.738407945	6.744452183
DDX27	ENSG00000124228.14	7.509004978	6.261715346	6.579474666
DGUOK	ENSG00000114956.19	6.635067853	6.808062223	5.80763395
MRPS24	ENSG00000062582.13	6.52423578	6.722906482	5.832284762
GTPBP2	ENSG00000172432.18	6.662346464	7.114465363	7.42303272
PAK2	ENSG00000180370.10	5.87208938	6.266890517	5.795345752
BFAR	ENSG00000103429.10	6.553688931	6.409754743	6.367081318
TMEM167A	ENSG00000174695.9	6.20371947	5.812197977	6.163184412
GSPT1	ENSG00000103342.12	7.572129987	6.412221382	6.212141515
AP2A1	ENSG00000196961.12	6.69502718	7.127075413	6.64195314
NDUFAF8	ENSG00000224877.3	6.822462931	6.828601629	7.012170143
GAS5	ENSG00000234741.7	8.005438991	6.809789952	7.189692066
ELOVL1	ENSG00000066322.14	6.233369873	6.575512194	5.928451924
UTP4	ENSG00000141076.17	7.281269297	6.346573275	5.817959311
PSIP1	ENSG00000164985.14	7.956634801	6.253149583	5.863035252
PSME3	ENSG00000131467.10	7.730096926	7.758410496	7.225328921
MAGED2	ENSG00000102316.16	5.855687172	8.137034111	7.525406493
CD99	ENSG00000002586.18	5.79706494	7.81958945	9.515963658
USP7	ENSG00000187555.14	6.577105472	6.069304889	6.194993867
CLDND1	ENSG00000080822.16	6.417144938	6.976238126	5.919968867
CHMP5	ENSG00000086065.13	7.277861895	6.232568301	6.007915237
ETFB	ENSG00000105379.9	7.623341399	6.379968324	6.094375288
MZT2A	ENSG00000173272.15	5.900678451	5.900866614	6.411104558
NPTN	ENSG00000156642.16	6.333989649	6.705025431	6.646086727
ERF	ENSG00000105722.9	6.940475244	7.178226948	5.811774215
TEX261	ENSG00000144043.11	6.709442605	6.483276924	5.817625986
ERCC3	ENSG00000163161.12	6.045245527	5.905638092	6.158718218
MRPL39	ENSG00000154719.13	6.203324657	5.998252049	5.974181466
TTC37	ENSG00000198677.10	6.186526241	5.85944778	6.352788289
TCF25	ENSG00000141002.19	5.914399751	6.923891291	8.001406273
RUVBL1	ENSG00000175792.11	7.629449251	7.079136529	5.756153304
TOP2B	ENSG00000077097.15	6.939883973	6.75312483	6.276910078

RCAN1	ENSG00000159200.17	7.36365788	5.932555796	7.458448021
ASPH	ENSG00000198363.17	7.130481871	6.235949438	5.846727033
USO1	ENSG00000138768.14	6.051330154	6.868909413	6.233666006
IMP3	ENSG00000177971.8	6.694197844	6.712017441	6.066509441
EIF4E2	ENSG00000135930.13	6.563275928	6.222930879	5.861823455
SZRD1	ENSG00000055070.16	6.874295753	6.961499132	6.976115222
SRSF7	ENSG00000115875.18	7.057344059	6.431150988	5.762634159
RPF1	ENSG00000117133.10	6.715773361	6.045219933	5.795284627
BAP1	ENSG00000163930.9	5.909780364	6.248396559	6.019309193
CASC3	ENSG00000108349.16	6.438582512	5.8993758	6.426717669
SUMO1	ENSG00000116030.16	6.339077361	6.380829116	6.2605707
OSBPL8	ENSG00000091039.16	5.865325258	5.797741592	7.078187301
USB1	ENSG00000103005.11	5.970878632	6.002573159	5.899494145
MRPS7	ENSG00000125445.10	6.513613875	6.681053856	6.455839769
TRPV2	ENSG00000187688.14	5.902436876	7.180253322	7.390075885
MANBAL	ENSG00000101363.12	5.875621294	5.783164832	6.100996062
MCM7	ENSG00000166508.17	8.15738162	7.244226217	5.79089483
PAIP1	ENSG00000172239.13	6.767200391	7.044405115	6.829419429
SARAF	ENSG00000133872.13	5.887167182	6.352828804	6.01747037
PTPRS	ENSG00000105426.16	6.41288174	6.761150221	5.783908115
C7orf73	ENSG00000243317.7	6.190794198	5.83403314	6.015254005
RBBP6	ENSG00000122257.18	6.338860493	5.993544583	6.276616844
MFSD1	ENSG00000118855.18	6.499707638	7.08573156	6.629032818
MAD2L2	ENSG00000116670.14	5.883161639	6.134484135	7.010925258
CYFIP1	ENSG00000273749.4	6.378247714	6.393858046	6.741894111
PTK2	ENSG00000169398.19	6.435892191	5.981128785	5.85471839
PRMT5	ENSG00000100462.15	6.696287078	5.757043896	5.900481386
LSM8	ENSG00000128534.7	5.838540489	6.309987503	6.819301934
GALE	ENSG00000117308.14	6.294661614	6.154668652	6.98379992
DCTN6	ENSG00000104671.7	5.96096904	6.028009515	5.893001697
MAPK3	ENSG00000102882.11	6.160825989	6.058596845	6.151510481
PES1	ENSG00000100029.17	7.221427781	7.277549216	6.795788314
ARF6	ENSG00000165527.6	6.222780266	5.867893357	7.250074047
RRM1	ENSG00000167325.14	7.150592436	6.361742124	5.856964814
LSM7	ENSG00000130332.14	6.915369629	7.360413546	6.329175687
INTS1	ENSG00000164880.15	6.700991387	7.065640967	6.007447962
NDFIP1	ENSG00000131507.10	6.478253654	5.804095046	6.726442865
SCYL1	ENSG00000142186.16	5.853635509	6.393195197	6.410214789
PHF5A	ENSG00000100410.7	6.451044704	6.364974543	5.80235908
EIF3F	ENSG00000175390.13	6.509616536	6.513075834	6.18091899
OLA1	ENSG00000138430.15	6.156015518	5.989235389	6.720525098
AFF4	ENSG00000072364.12	6.000970137	6.037346189	6.643005061
PJA2	ENSG00000198961.9	6.142611322	5.780755513	6.708058454
KLC1	ENSG00000126214.21	6.461131069	6.508360544	5.871808793
PPP1R11	ENSG00000204619.7	6.550627659	6.278931853	6.813798651
SREBF2	ENSG00000198911.11	5.779294732	7.029326494	6.992383554

SERP1	ENSG00000120742.10	6.881820891	6.672991209	6.523397973
APOBEC3C	ENSG00000244509.3	5.7361958	6.622525034	7.064193249
AKT1S1	ENSG00000204673.10	7.542778207	6.793708577	6.29150656
SPART	ENSG00000133104.12	6.401887281	6.357838097	6.565364464
STAT1	ENSG00000115415.18	5.881472412	6.22477834	7.283248308
UBQLN1	ENSG00000135018.13	6.742287332	6.877900299	6.205653725
PRC1	ENSG00000198901.13	7.148053249	6.00119758	6.355344364
RPL37	ENSG00000145592.13	7.427051235	6.989336169	6.464035815
IGF2R	ENSG00000197081.12	5.735412057	6.992982236	7.01641381
MANF	ENSG00000145050.15	7.583329634	7.160433551	5.844240172
PRKAA1	ENSG00000132356.11	6.486966565	6.562992528	6.041903293
JAK1	ENSG00000162434.11	5.874246465	6.724973558	6.677834142
GTF3C6	ENSG00000155115.6	7.060267719	6.074468305	5.739280037
EIF2B1	ENSG00000111361.12	7.424930509	5.844879165	5.802801201
RNPEP	ENSG00000176393.10	7.293858338	6.484958457	6.076561986
VGLL4	ENSG00000144560.14	6.493570807	6.519234676	6.449633653
TSNAX	ENSG00000116918.13	7.133781306	5.932182221	6.608245019
EMC6	ENSG00000127774.6	6.679070027	5.766349894	6.101901778
NDUFS6	ENSG00000145494.11	6.926664242	6.778764484	5.906767715
POR	ENSG00000127948.15	5.743671273	7.447522953	5.763193674
PRPF40A	ENSG00000196504.15	5.908723462	6.254749949	5.745887456
IMPAD1	ENSG00000104331.8	6.861565253	6.327718596	5.727832893
CMTM6	ENSG00000091317.7	6.86959551	6.586824215	5.709279977
C6orf106	ENSG00000196821.9	5.704867932	6.595528405	7.053689915
ERCC1	ENSG00000012061.15	7.372443224	5.97575358	7.25564183
TSG101	ENSG00000074319.12	6.311990551	6.591498537	6.45710009
GAS7	ENSG00000007237.18	7.95078873	6.315198637	5.751619096
WDR46	ENSG00000227057.9	7.000312989	7.585244591	5.820440327
FTSJ3	ENSG00000108592.16	7.56702671	6.127902214	5.763508212
WASHC5	ENSG00000164961.15	5.758076714	5.970928447	5.943492954
PTOV1	ENSG00000104960.15	6.286289778	6.482832545	6.28372091
PDHB	ENSG00000168291.12	6.937860441	6.108643253	5.751242595
SCAND1	ENSG00000171222.10	6.615154354	5.783173909	6.674040961
CIC	ENSG00000079432.7	6.003486718	6.670553451	5.948679756
PRPF31	ENSG00000105618.13	6.923495391	5.716030479	6.205158915
DNASE2	ENSG00000105612.8	6.063789696	6.497093745	5.785713077
MAF1	ENSG00000179632.9	6.843868333	6.063916355	6.209540966
ACBD3	ENSG00000182827.8	6.345327698	5.7683337	5.691822719
OXA1L	ENSG00000155463.12	6.703954005	5.852817243	6.970065973
BOD1	ENSG00000145919.10	6.112854722	5.820392623	5.871435916
UCK2	ENSG00000143179.14	6.915886258	6.490098627	5.911162608
TCERG1	ENSG00000113649.11	6.726884187	6.056089229	6.083384067
POP7	ENSG00000172336.4	6.561047488	6.667914492	5.756814762
RDH11	ENSG00000072042.12	6.141124329	6.110712886	5.741642369
ADAT1	ENSG00000065457.10	7.201658582	6.084180913	6.282852622
STUB1	ENSG00000103266.10	6.673015096	6.347298696	6.106366261

MRPL21	ENSG00000197345.12	6.946904401	5.80444074	5.923502375
PNN	ENSG00000100941.8	6.235082254	5.734839081	5.996091927
MSL1	ENSG00000188895.11	6.033502976	6.440816715	6.163704289
MGAT5	ENSG00000152127.8	5.850439584	6.547018132	8.673755952
TCEAL8	ENSG00000180964.16	5.733459239	6.946246693	6.536289774
PTGFRN	ENSG00000134247.9	6.207841231	5.764861534	6.761352567
MT-TF	ENSG00000210049.1	6.341714866	6.559186507	5.933437592
ARL2	ENSG00000213465.7	6.827548471	5.741601311	6.49572556
FAM96B	ENSG00000166595.11	7.383381787	5.83734818	6.142090246
TMEM109	ENSG00000110108.9	6.726708791	5.8285577	5.831384704
CLINT1	ENSG00000113282.13	6.829771894	5.884895461	6.163102743
ARAF	ENSG00000078061.12	6.625417458	5.829678166	5.756558273
ENTPD6	ENSG00000197586.12	6.523141023	7.430988738	6.327418332
RAB14	ENSG00000119396.10	6.981720474	6.789145114	5.707307666
TMEM87A	ENSG00000103978.15	5.81615731	6.535539497	5.990826406
HIGD1A	ENSG00000181061.13	5.993488109	7.113707359	6.674526414
PPFIBP1	ENSG00000110841.13	6.781397587	6.518725408	7.155920861
SRP54	ENSG00000100883.11	6.194160435	5.935782425	6.060544003
GTF3C1	ENSG00000077235.17	6.296608066	6.043298688	5.90303275
NSUN2	ENSG00000037474.14	7.408163064	7.138515852	5.781647038
BRMS1	ENSG00000174744.13	5.989354987	5.799186666	6.036851843
PPP4R3B	ENSG00000275052.4	6.140190573	6.112438075	5.96313908
COA6	ENSG00000168275.14	6.672692975	6.100143589	5.91012869
PDCD6IP	ENSG00000170248.13	5.804619397	5.851242304	6.199675355
RHOT2	ENSG00000140983.13	7.161816843	6.551784379	6.222437192
TBC1D9B	ENSG00000197226.12	5.98676035	5.745459854	5.832430718
PAICS	ENSG00000128050.8	7.621252738	7.14492214	5.89090874
TFDP1	ENSG00000198176.12	8.191414806	6.478067632	5.782958061
LSM14A	ENSG00000257103.8	6.726804772	5.912449222	6.229568352
CMAS	ENSG00000111726.12	6.587604017	7.026129182	6.91547948
LDB1	ENSG00000198728.10	6.415777206	5.857486813	6.118712238
ATP6V1C1	ENSG00000155097.11	5.712583633	6.98126591	7.064248535
FIP1L1	ENSG00000145216.15	6.865061861	5.733330696	6.652142508
ASAP1	ENSG00000153317.14	5.681679687	6.116085501	6.592373594
NUSAP1	ENSG00000137804.12	6.591636869	5.751185803	5.783903498
GPD2	ENSG00000115159.15	5.675587628	6.191468921	6.341043349
YKT6	ENSG00000106636.7	7.402544025	8.304618918	7.284394322
CACYBP	ENSG00000116161.17	7.676972695	6.121345388	5.831421433
MRPL11	ENSG00000174547.13	6.574123981	5.745285465	5.737504804
NAPA	ENSG00000105402.7	5.941640659	5.861777881	5.72769668
SKIV2L	ENSG00000204351.11	6.126389341	6.57708668	6.087092474
UBALD2	ENSG00000185262.8	7.463427072	6.530107157	6.620132895
PHPT1	ENSG00000054148.17	5.996791832	7.268944136	7.119917687
NTAN1	ENSG00000157045.8	5.67884054	6.288289047	6.415615786
YAP1	ENSG00000137693.13	6.811991177	5.783801142	7.288197531
RAB2A	ENSG00000104388.14	6.012010826	6.096627834	6.47503459

MT-TT	ENSG00000210195.2	5.747808527	7.383872058	6.513065975
NUMA1	ENSG00000137497.17	6.947221988	5.796871099	6.130453895
RAF1	ENSG00000132155.11	6.770647791	6.470613582	5.862086814
DUSP14	ENSG00000276023.4	6.572147274	6.486826603	6.529895097
TPGS2	ENSG00000134779.14	6.036392414	6.473196444	5.76004685
ARHGAP1	ENSG00000175220.11	6.693093517	6.670302692	6.998870203
GTF2H1	ENSG00000110768.11	5.813078882	6.499008756	5.720485397
CMPK1	ENSG00000162368.13	7.205173939	6.352529105	5.901727835
UBA3	ENSG00000144744.16	6.469204381	6.487832636	5.854406404
ECH1	ENSG00000104823.8	6.892970231	6.149978066	5.98796194
MRPL17	ENSG00000158042.8	6.128908962	6.576001518	5.826606841
BCCIP	ENSG00000107949.16	7.538442716	6.21013668	6.241893629
FAF2	ENSG00000113194.12	6.544148222	5.928471931	5.726355524
AKT2	ENSG00000105221.16	6.660933723	6.712927706	6.893966092
CDK2	ENSG00000123374.10	6.459907058	9.472390578	5.867567803
ATP6V1H	ENSG00000047249.17	5.723019963	6.347321471	6.505591449
SS18	ENSG00000141380.13	6.250249478	6.435034765	5.671353498
UGGT1	ENSG00000136731.12	5.962306913	6.146211837	5.670636553
EZR	ENSG00000092820.17	6.508500144	5.679376146	5.9477238
UBE2Q1	ENSG00000160714.9	6.935669065	6.840086593	5.988212541
SRRM1	ENSG00000133226.16	6.486440238	6.337591165	5.761969172
MRPS12	ENSG00000128626.11	6.796046486	6.724445517	5.733624064
KBTBD2	ENSG00000170852.10	5.703543625	5.945674056	6.132552224
ABCE1	ENSG00000164163.10	7.041516513	6.411509876	5.742426236
PRKD3	ENSG00000115825.9	5.789825898	8.049193994	7.336147277
MRPS21	ENSG00000266472.5	7.292966441	7.221691689	5.650221031
WASF2	ENSG00000158195.10	6.528197362	6.517610758	6.481902704
ZFAND6	ENSG00000086666.18	5.906560272	6.099503713	6.446548611
CNOT9	ENSG00000144580.13	5.85840082	6.247761412	5.783196294
EMC3	ENSG00000125037.12	5.883674323	5.994697618	5.703637757
AIFM1	ENSG00000156709.13	6.547310108	6.99133348	6.183537198
SAT1	ENSG00000130066.16	5.681281317	7.752494519	10.06760739
MAGOH	ENSG00000162385.10	7.424719328	6.134036628	5.752488058
IDH3A	ENSG00000166411.13	6.380038303	6.114327372	6.58481542
SNW1	ENSG00000100603.13	6.521322818	5.770675062	6.777528529
PRCC	ENSG00000143294.14	7.573524618	6.881450241	5.723153573
NCAPG2	ENSG00000146918.19	5.981083638	6.157107552	5.716478591
ID3	ENSG00000117318.8	7.339714211	7.589993647	6.080752757
CEBPB	ENSG00000172216.5	6.835778048	6.903258425	7.829403588
FURIN	ENSG00000140564.11	6.887158135	6.59302552	5.668987694
CBX6	ENSG00000183741.11	6.143708125	6.069685964	5.759158633
MBOAT7	ENSG00000125505.16	6.622130396	5.796748452	5.903609038
DAP	ENSG00000112977.15	7.483374446	7.605187845	6.286457033
PPP2R1A	ENSG00000105568.17	7.163895591	6.449547413	6.36590229
ATP6AP1	ENSG00000071553.16	6.35699718	6.655900075	6.635926192
ENOPH1	ENSG00000145293.15	5.633923015	5.673830537	6.49449101

SPRED2	ENSG00000198369.9	6.07358598	6.630989536	5.723831921
KIFC3	ENSG00000140859.15	6.953058274	5.67262008	6.403149681
CDKN2AIPNL	ENSG00000237190.3	6.530395778	5.647041266	6.036548544
MCM4	ENSG00000104738.16	7.533738595	6.233188399	5.803895242
TAF10	ENSG00000166337.9	6.294605148	6.732656962	5.923751843
SNHG8	ENSG00000269893.6	7.489736389	5.647747372	7.082290857
NDUFA2	ENSG00000131495.8	7.031254138	6.085769556	6.489621683
SLC35B1	ENSG00000121073.13	5.924726899	6.393407824	6.221392539
TAF9	ENSG00000273841.4	6.674531508	6.777461722	6.241418747
RRBP1	ENSG00000125844.15	6.890744427	7.345019968	5.729658562
THOC2	ENSG00000125676.19	6.793087469	6.212354815	5.895326282
WASL	ENSG00000106299.7	5.62079829	6.569977042	7.030402567
PTPN12	ENSG00000127947.15	6.805917972	6.739627543	5.750903531
BPTF	ENSG00000171634.16	5.832621697	6.042509021	6.311025357
PCMT1	ENSG00000120265.16	7.246447822	6.545015391	5.715378898
RBX1	ENSG00000100387.8	5.661943679	5.855700488	5.797730021
B3GAT3	ENSG00000149541.9	6.610462959	5.672975986	6.151749948
DNAJA2	ENSG00000069345.11	6.50389995	5.616703431	6.279700473
SAMD4B	ENSG00000179134.15	6.835464813	7.702140744	6.697356594
ERI3	ENSG00000117419.14	6.653112427	6.094283746	5.754130326
PATL1	ENSG00000166889.13	5.699656374	6.070938085	6.240972847
NUB1	ENSG00000013374.15	6.112912025	6.077939661	6.288144358
GNA13	ENSG00000120063.9	5.937528037	6.037186977	6.950043082
TXNDC12	ENSG00000117862.11	6.616702381	5.981245746	5.622308086
CCAR1	ENSG00000060339.13	6.813362358	6.296554291	5.795228387
FUCA2	ENSG00000001036.13	5.644666712	5.621468212	5.94328968
SMARCD2	ENSG00000108604.15	6.665040929	6.570411074	6.477374941
ATG101	ENSG00000123395.14	7.125527265	6.587711382	5.647743754
PLD3	ENSG00000105223.19	6.048178691	7.218400901	5.797638067
RPL7L1	ENSG00000146223.14	6.430940001	6.161775494	6.112836325
TMEM59	ENSG00000116209.11	6.563364206	6.167837119	6.053835987
UBTF	ENSG00000108312.14	6.633208244	5.617539129	5.897246007
CPSF7	ENSG00000149532.15	6.607623628	5.896656421	5.699011055
DNAJC3	ENSG00000102580.14	5.849737519	5.807052934	5.905062575
PLIN3	ENSG00000105355.8	5.970745068	6.554099493	5.718471683
ZC3H7A	ENSG00000122299.11	6.406725678	5.855801626	6.463222171
LHFPL2	ENSG00000145685.13	5.83012862	5.626187597	6.715600033
MFGE8	ENSG00000140545.14	5.941852943	6.947410288	8.783148192
MRPL4	ENSG00000105364.13	6.935186435	6.098532374	6.192477222
DPP9	ENSG00000142002.16	6.464140259	6.589762655	6.160461829
PUM2	ENSG00000055917.15	6.156102528	5.922159698	6.194974251
C11orf24	ENSG00000171067.10	6.302172448	7.501890274	6.584378727
NCAPD2	ENSG00000010292.12	7.653695059	5.790228181	5.709884472
NPEPPS	ENSG00000141279.15	6.407473779	6.227932961	6.688844697
SPRED1	ENSG00000166068.12	5.94053149	5.64987782	5.716792189
CAV1	ENSG00000105974.11	6.305458716	6.085381423	5.926526474

PRMT2	ENSG00000160310.17	5.712850196	6.222574155	7.323596305
RNF14	ENSG00000013561.17	5.80934919	5.726866164	6.851677895
CLPP	ENSG00000125656.8	6.742897638	5.85334813	6.067411558
SF3A3	ENSG00000183431.11	7.588191647	6.514701236	5.686760413
SEC16A	ENSG00000148396.18	6.247781206	7.379336744	7.179316752
UBE2I	ENSG00000103275.19	6.058416879	5.918771038	6.526335349
MAP1LC3B	ENSG00000140941.12	6.159723857	7.218117732	7.567544414
HLA-B	ENSG00000234745.10	8.639388331	6.161997125	5.745443925
TUSC3	ENSG00000104723.20	6.548417568	5.762981388	7.679891173
ITGAV	ENSG00000138448.11	5.641460536	6.708645596	6.176680679
CLCN7	ENSG00000103249.17	5.749658611	7.614098886	8.602250067
ARFGEF2	ENSG00000124198.8	5.630332013	5.855971637	6.281265878
NOL11	ENSG00000130935.9	6.600428293	5.733543571	5.696443444
HARS	ENSG00000170445.12	6.976206583	5.657448355	6.097090793
SLC16A1	ENSG00000155380.11	6.72288035	5.613818255	5.987335628
RECQL	ENSG00000004700.15	6.564577425	6.615413483	5.585274683
MAGED1	ENSG00000179222.17	6.794006381	8.174238519	5.670181052
TMEM205	ENSG00000105518.13	5.990167099	5.915529052	5.651302723
PFKL	ENSG00000141959.16	5.66837371	6.267075482	6.0978834
HACD3	ENSG00000074696.12	5.942632128	6.094503041	6.03165171
GGNBP2	ENSG00000278311.4	6.10964429	6.256320918	6.65337611
STK25	ENSG00000115694.14	5.673020941	6.11780474	5.792949629
M6PR	ENSG00000003056.7	6.320809419	6.831228708	6.205590513
MICALL1	ENSG00000100139.13	6.567774639	6.154866629	6.575823255
TIMMDC1	ENSG00000113845.9	6.243804522	6.668177175	5.883573086
MINOS1	ENSG00000173436.13	5.924567707	5.980804047	5.962112545
UBL7	ENSG00000138629.15	6.944062076	6.382364406	6.047171671
ADAM9	ENSG00000168615.11	5.95708423	5.660645579	6.66238952
FEN1	ENSG00000168496.3	7.659286649	6.538916618	5.737166607
PLBD2	ENSG00000151176.7	5.66829962	7.324249124	5.590095234
FARSB	ENSG00000116120.9	5.6877115	6.292591361	5.575238572
PTPMT1	ENSG00000110536.13	6.376953957	6.505691622	6.237485798
METTL9	ENSG00000197006.13	5.823826805	6.857213696	9.594665273
ASXL1	ENSG00000171456.16	6.003572494	5.615859162	7.292023014
EDEM1	ENSG00000134109.10	6.450786577	6.420512952	6.386793233
REXO2	ENSG00000076043.9	6.723462802	6.732194852	6.697868448
ZCCHC17	ENSG00000121766.15	6.837608381	6.074673561	5.592627235
PPP1R15A	ENSG00000087074.7	6.452776795	7.617204878	8.541111574
MIEF1	ENSG00000100335.13	6.625718812	6.619675286	6.696885727
AHNAK	ENSG00000124942.13	7.21557244	6.473911261	6.333716775
MRPS10	ENSG00000048544.5	5.584336407	6.272370266	6.343913123
DERL1	ENSG00000136986.9	6.029138984	5.71907444	5.960225014
NDUFC1	ENSG00000109390.11	6.394900318	5.817318653	6.432728563
DDX6	ENSG00000110367.11	6.757700753	5.686399934	6.550961756
CIRBP	ENSG00000099622.13	6.571241662	5.853206659	6.622610599
MRPL14	ENSG00000180992.6	6.160003407	5.766888612	5.902869523

POLR2J	ENSG00000005075.15	6.198431015	6.280209906	5.638269386
FOXM1	ENSG00000111206.12	6.696453448	5.912651646	5.932808191
GNA11	ENSG00000088256.8	6.088854798	6.146910412	5.898910262
STAG2	ENSG00000101972.18	6.223641303	6.397655109	6.100711835
LMNB2	ENSG00000176619.12	6.871411772	7.174619966	5.666135848
UBXN6	ENSG00000167671.11	6.228277661	6.49057965	6.265330674
RBM4	ENSG00000173933.19	5.826219389	5.602452154	6.019531496
CCNL2	ENSG00000221978.11	6.091208921	7.011008377	6.495202306
ALKBH5	ENSG00000091542.8	6.524284183	5.645453001	6.070819239
MAPKAPK2	ENSG00000162889.10	6.811207124	6.080064185	6.138032886
VEZF1	ENSG00000136451.8	6.64692973	5.654199171	6.585711679
ARFGAP1	ENSG00000101199.12	6.100812307	6.957199448	7.092234317
NACC1	ENSG00000160877.5	7.646343266	6.940668035	6.25480695
DAZAP2	ENSG00000183283.15	6.2604143	6.217143215	6.241431748
SCRIB	ENSG00000180900.18	6.510092133	6.464160743	6.277660782
SYF2	ENSG00000117614.9	6.99516179	6.649959125	6.029783359
NENF	ENSG00000117691.9	6.746665438	5.634904149	6.297470437
RETREG2	ENSG00000144567.10	5.563140442	6.586403544	6.099952959
MT-TE	ENSG00000210194.1	5.890510508	7.172001608	5.984378405
ARGLU1	ENSG00000134884.13	6.568579924	6.068409158	6.027471953
TWF2	ENSG00000247596.8	7.265580048	6.887115678	5.731940671
TERF2IP	ENSG00000166848.5	7.120356101	6.197256322	7.16677756
TSC2	ENSG00000103197.16	6.895596678	5.767651318	6.154226374
PSMG1	ENSG00000183527.11	6.741769517	6.520261671	6.537520518
MYO19	ENSG00000278259.4	6.55578218	5.920501456	6.054957546
ACSL4	ENSG00000068366.19	5.866421617	6.237479117	6.354066241
GLRX3	ENSG00000108010.11	7.622728846	5.847989406	6.308893235
PRR13	ENSG00000205352.10	6.092412769	6.382412355	5.845302206
TMEM30A	ENSG00000112697.15	6.437146509	6.407741436	5.924037376
CD164	ENSG00000135535.15	6.245062154	6.734340315	7.706407915
YIPF5	ENSG00000145817.16	5.684731337	6.040378551	6.000889343
NPC1	ENSG00000141458.12	5.591851774	7.683792323	6.594128175
SLC25A11	ENSG00000108528.13	6.627685122	5.66087957	6.007573031
SUB1	ENSG00000113387.11	6.834715382	5.933626361	5.956871743
FASTK	ENSG00000164896.19	5.570848097	6.940364298	6.425377355
MRPL40	ENSG00000185608.8	5.845043808	5.917400423	5.579701349
MTG2	ENSG00000101181.17	6.096654069	5.640828522	6.132110641
MIDN	ENSG00000167470.12	5.586849842	6.554919811	5.728652849
CPSF3	ENSG00000119203.13	7.259047936	6.708117377	5.598920305
ANKRD40	ENSG00000154945.6	6.127854557	5.63490099	6.271455941
PDXDC1	ENSG00000179889.18	5.904864572	6.703368619	7.7894488
DKC1	ENSG00000130826.17	7.172864091	6.385026435	5.593017609
GLRX2	ENSG00000023572.8	7.028852851	5.625243229	7.103390024
HOXB7	ENSG00000260027.4	5.636576958	5.695612604	5.791652351
DTD1	ENSG00000125821.11	6.628606444	6.19885773	5.608279506
C12orf10	ENSG00000139637.13	7.098173295	5.848715193	5.702909758

DDR GK1	ENSG00000198171.12	6.283298701	5.97424233	5.55003894
DNAJC11	ENSG00000007923.15	6.186717417	6.231699145	5.643316598
GRSF1	ENSG00000132463.13	5.620187374	6.905883159	7.101424903
UBXN1	ENSG00000162191.13	7.153586838	6.013264264	6.836478098
ACTR3	ENSG00000115091.11	5.877486672	6.687923752	6.279033053
IDI1	ENSG00000067064.10	5.613318174	5.810537384	6.927800359
SH3GL1	ENSG00000141985.9	7.111991996	6.630438465	5.554604693
MAGEF1	ENSG00000177383.4	6.520327568	6.324348232	6.033643843
CALCOCO2	ENSG00000136436.14	6.505599874	5.776215715	6.251820327
MAD2L1BP	ENSG00000124688.13	5.687822796	7.040879875	7.232779465
AIMP2	ENSG00000106305.9	6.922870374	6.458843457	5.707329778
LAMTOR1	ENSG00000149357.9	6.50120258	6.198393974	5.900932018
ZNF622	ENSG00000173545.4	6.668885487	6.938811167	7.762468277
SMIM15	ENSG00000188725.7	6.534087289	5.569409547	6.334394419
MTOR	ENSG00000198793.12	5.928417255	6.358713225	5.560073512
INTS11	ENSG00000127054.20	6.278737699	6.263875122	6.08212131
KIF3B	ENSG00000101350.7	5.940543915	5.665029946	6.316102275
ADSL	ENSG00000239900.12	6.163118965	5.895451268	5.886460819
STXBP1	ENSG00000136854.19	5.694122432	8.262478014	7.515886734
TMEM50A	ENSG00000183726.10	6.290063664	6.452364122	6.035071253
CELF1	ENSG00000149187.18	6.138554431	5.801345708	5.635715164
GLA	ENSG00000102393.9	6.094547336	7.263464048	5.895881426
SLC30A5	ENSG00000145740.18	6.638388541	6.02296989	6.272122821
CPNE3	ENSG00000085719.12	6.899466606	6.057787017	6.588290363
LYST	ENSG00000143669.13	5.633687628	5.801058669	7.64164022
ZNF384	ENSG00000126746.17	6.577580675	5.687038882	5.783768121
UNC50	ENSG00000115446.11	5.572949933	6.325372837	5.977882041
MARVELD1	ENSG00000155254.12	6.130670385	5.957758515	5.652580833
URI1	ENSG00000105176.17	6.521850567	6.729101183	6.260469195
CCNH	ENSG00000134480.13	6.323728149	6.147545098	5.799511236
ADSS	ENSG00000035687.9	6.883278553	5.628850969	5.742895299
TCEAL9	ENSG00000185222.8	5.589584884	7.636837235	6.923716343
MCM5	ENSG00000100297.15	6.291338133	5.839561536	5.701674817
SYNCRIP	ENSG00000135316.17	7.374463364	6.172180457	5.550341557
TCTA	ENSG00000145022.4	5.678879711	6.174012931	5.560647997
PIGS	ENSG00000087111.20	6.741747835	6.029820598	5.902479754
SART1	ENSG00000175467.14	6.643296292	5.81744902	5.592191989
EPS8	ENSG00000151491.12	6.41211879	6.391467503	5.602205058
AGRN	ENSG00000188157.14	5.605127236	7.129963344	5.584304132
THAP4	ENSG00000176946.11	5.533025742	5.908084754	5.641256691
AKR7A2	ENSG00000053371.12	6.5394916	6.28645521	5.996834454
BANF1	ENSG00000175334.7	7.204962063	6.089751941	5.894467905
CSTB	ENSG00000160213.6	5.585084327	8.033908662	7.39466521
MPG	ENSG00000103152.11	7.139952316	6.437368994	6.734563953
NOLC1	ENSG00000166197.16	7.744752073	6.403905517	5.651953335
C12orf57	ENSG00000111678.10	6.935860693	5.569072589	5.855210045

NFE2L2	ENSG00000116044.15	5.794780737	6.14379548	5.740483978
UGP2	ENSG00000169764.15	7.344338089	6.608137586	6.741393627
OGFR	ENSG00000060491.16	6.214604209	5.873710343	6.259992747
RANGAP1	ENSG00000100401.19	6.914466149	6.267519483	5.671741692
CDK5RAP3	ENSG00000108465.14	5.757523142	6.335290002	7.363049502
DDFA	ENSG00000160049.11	6.230282129	6.342779222	5.564321996
DDX23	ENSG00000174243.9	6.801777257	6.589368194	5.604853214
SEC11C	ENSG00000166562.8	5.663372141	7.399494087	6.291962489
PAF1	ENSG00000006712.14	6.481225223	6.480628982	5.673139362
UCKL1	ENSG00000198276.15	5.61830792	5.621022819	6.10533896
RCC1L	ENSG00000274523.4	6.769204941	6.389935533	5.528266726
DDX46	ENSG00000145833.15	7.361889614	5.594134179	5.744282197
RNF167	ENSG00000108523.15	6.65351818	5.872867257	5.713452291
SFXN1	ENSG00000164466.12	6.431731174	5.827344153	6.110244975
C8orf59	ENSG00000176731.11	6.516456474	6.398018322	6.176034033
CTNND1	ENSG00000198561.13	6.050126238	6.605012525	5.605292255
GNL2	ENSG00000134697.12	7.199912127	6.071908744	5.588442601
BRD4	ENSG00000141867.17	6.806496079	6.065355345	6.463505898
NASP	ENSG00000132780.16	7.258599196	6.289789456	5.869160524
TEX264	ENSG00000164081.12	6.166124923	6.207976293	6.182288962
HPRT1	ENSG00000165704.14	6.546617165	6.027123435	5.499000371
EMC2	ENSG00000104412.7	5.546214661	6.096074069	6.209387457
CHTOP	ENSG00000160679.12	6.713309014	6.408172856	5.691557354
UTP3	ENSG00000132467.3	6.360214978	6.380704821	5.895658706
EIF2S1	ENSG00000134001.12	6.903505203	5.78698545	6.326238151
TUG1	ENSG00000253352.8	5.957043866	5.79438965	6.655082952
MAT2B	ENSG00000038274.16	6.59759271	5.524329479	6.152970858
UQCRFS1	ENSG00000169021.5	5.92161629	6.539055753	5.737664445
MRPL32	ENSG00000106591.3	6.268414841	6.64662671	5.573521015
C7orf49	ENSG00000122783.16	6.096424338	5.665156888	5.502350282
ANKRD28	ENSG00000206560.11	6.021271683	6.498701614	6.430369446
CCAR2	ENSG00000158941.16	6.626576965	5.515957571	6.199028651
NDUFAF2	ENSG00000164182.10	6.32376205	5.485963283	5.643356611
TMBIM1	ENSG00000135926.14	5.60335018	7.624290789	7.504888857
PACSIN2	ENSG00000100266.18	5.576048438	7.258452604	9.252513516
RBM5	ENSG00000003756.16	5.959039073	6.270633097	5.785216787
MRPL38	ENSG00000204316.12	6.436535127	6.233407746	6.704574606
WDR26	ENSG00000162923.14	6.881364489	6.205502782	6.524201148
TGOLN2	ENSG00000152291.13	6.292367668	7.502582411	5.810626001
ELK1	ENSG00000126767.17	6.717281924	6.318428366	5.956661696
APMAP	ENSG00000101474.11	7.309936055	7.397835738	5.504432301
EIF1B	ENSG00000114784.3	6.629603096	6.119048164	6.72525653
ISCU	ENSG00000136003.15	6.025098262	6.194516811	6.403424301
FBXO18	ENSG00000134452.19	5.517678366	6.655022445	5.655663181
PITPNB	ENSG00000180957.17	6.355627972	6.420874682	6.533263326
GDE1	ENSG00000006007.11	6.151805678	6.091901774	6.057572304

TMEM126B	ENSG00000171204.12	5.977565319	5.775451109	5.580299438
TOPBP1	ENSG00000163781.12	6.56270613	6.179196675	5.50648003
DNM1L	ENSG00000087470.17	6.902977878	5.825993055	5.510247365
CAMTA1	ENSG00000171735.18	5.951392478	6.404288156	6.445099907
ZFR	ENSG00000056097.15	6.754121819	6.341186459	6.247302091
TMEM179B	ENSG00000185475.10	6.791343185	5.918697044	5.567681245
BAMBI	ENSG00000095739.10	6.266659044	8.506934096	7.849972051
SLC25A36	ENSG00000114120.11	6.091730697	6.524148055	6.334330329
TBCB	ENSG00000105254.11	6.652320893	6.19626328	6.68160908
USP4	ENSG00000114316.12	5.952284157	5.717664471	5.780322942
RNF213	ENSG00000173821.19	5.830910828	6.287865577	5.697934596
ATG4B	ENSG00000168397.16	5.653394809	5.645573367	6.436129134
HRAS	ENSG00000174775.16	6.160593528	6.3319505	5.902979627
TMEM126A	ENSG00000171202.6	6.027311584	5.767481379	6.174894077
ENO2	ENSG00000111674.8	5.588483446	5.759185268	7.438339016
EIF2B5	ENSG00000145191.12	5.500445288	5.757721297	5.678790554
NOB1	ENSG00000141101.12	7.024392011	6.167422254	5.774450537
TK1	ENSG00000167900.11	6.783333238	5.528359514	5.758604402
TRAPPC12	ENSG00000171853.15	5.781483858	5.995859717	5.734984722
RFX5	ENSG00000143390.17	7.17813156	6.788003486	5.550341062
TIMM44	ENSG00000104980.7	6.439236708	5.712278001	6.658370866
PCNP	ENSG00000081154.11	6.091636358	5.86874874	5.491099299
ATG9A	ENSG00000198925.10	5.753287234	5.495768672	5.619093858
SRPX	ENSG00000101955.14	7.916993865	7.431932202	5.464888899
NAA50	ENSG00000121579.12	6.78694738	6.328580178	6.008706339
MED15	ENSG00000099917.17	5.539062564	6.773681474	6.663429048
RNF5	ENSG00000204308.7	6.280391051	5.897843692	6.190874089
DNAJC13	ENSG00000138246.15	5.659726059	6.229997077	6.018140265
CLUH	ENSG00000132361.16	6.231217225	6.000148704	6.160526655
TMEM127	ENSG00000135956.8	5.471951241	6.183541739	6.244464191
BRIX1	ENSG00000113460.12	6.980590207	5.967016461	5.564036848
DCAF8	ENSG00000132716.18	6.438603893	6.848338282	6.303341885
SMARCE1	ENSG00000073584.18	5.918788944	5.891449067	6.219513765
UBLCP1	ENSG00000164332.7	6.055076343	5.664250292	5.510729087
SUPT4H1	ENSG00000213246.6	6.389623406	6.000672789	6.066796554
ECI2	ENSG00000198721.12	5.724578708	5.680111842	6.24247637
SCAP	ENSG00000114650.18	6.319801321	6.23448363	5.565384639
MED24	ENSG00000008838.19	5.783651808	6.277870833	6.457881243
PTPRA	ENSG00000132670.20	5.933904976	5.879811552	5.501007351
USP33	ENSG00000077254.14	5.953704717	5.495726661	5.668699711
STX3	ENSG00000166900.16	5.674521661	6.258132773	6.389492288
PSPC1	ENSG00000121390.18	6.271250791	5.830572524	5.495337771
SMARCA5	ENSG00000153147.5	5.682988217	5.504004921	5.46485101
SPG7	ENSG00000197912.14	5.861508838	5.994545401	5.702139924
MFAP1	ENSG00000140259.6	6.232559125	5.660050707	5.716486892
CD2BP2	ENSG00000169217.8	6.624257216	5.914957963	5.947843095

AP1B1	ENSG00000100280.16	6.220779404	6.680826926	6.76597435
SAAL1	ENSG00000166788.9	6.681033912	5.922492282	5.569616674
PRKAG1	ENSG00000181929.11	7.479624536	6.461916375	6.019515412
RNF40	ENSG00000103549.21	6.317515486	5.594449513	5.93419919
RFC2	ENSG00000049541.10	6.505230242	6.050867733	5.444672369
ACADM	ENSG00000117054.13	5.922502592	5.655510497	5.916066007
CDK1	ENSG00000170312.15	7.079316627	5.497781992	5.809928729
CPOX	ENSG00000080819.6	6.168423392	5.708572956	5.587884193
FOXK2	ENSG00000141568.20	5.883973671	5.97241396	6.387284462
STK10	ENSG00000072786.12	5.883517884	5.593143498	6.804692478
ALDH9A1	ENSG00000143149.12	6.604783339	5.944893461	5.948540095
GOLM1	ENSG00000135052.16	6.8784789	7.568249645	5.529874076
NMT1	ENSG00000136448.11	5.985839095	5.79332916	6.088358343
RETSAT	ENSG00000042445.13	5.628271204	7.582323674	7.276103935
CNPY3	ENSG00000137161.16	5.448166752	6.543750566	5.854476129
PMPCA	ENSG00000165688.11	6.924477168	6.90075028	6.54396698
NOP53	ENSG00000105373.18	7.693591139	5.528245206	6.532209204
MAPK1	ENSG00000100030.14	5.433235211	6.129593836	5.534921533
MRPS28	ENSG00000147586.9	6.224914941	5.673496202	5.889003639
SMPD4	ENSG00000136699.19	5.646008575	6.366812138	5.443621824
FBXO11	ENSG00000138081.20	6.082462807	6.167128013	5.462803985
MRPL35	ENSG00000132313.14	5.753012928	6.020548339	5.510025693
NOP2	ENSG00000111641.11	6.87318163	6.076762417	5.770179302
TUBA1C	ENSG00000167553.15	8.398838913	7.857738322	5.541644267
EFCAB14	ENSG00000159658.10	5.461846124	6.205380082	5.698298686
ZNF638	ENSG00000075292.18	6.481413943	6.589297438	5.569938188
GIGYF2	ENSG00000204120.14	5.545532515	6.117149875	6.151239767
NDE1	ENSG00000072864.14	6.78898772	5.436604958	8.204002228
SDAD1	ENSG00000198301.11	5.706680986	5.823897468	5.522483018
DPY19L1	ENSG00000173852.14	5.931937971	6.261358551	5.653511196
CSNK1G2	ENSG00000133275.15	5.896256318	6.973579891	5.97062583
UBE4B	ENSG00000130939.18	6.030786616	6.080752522	6.001067444
EIF4G3	ENSG00000075151.20	6.628069956	6.97851	6.803681059
CDC34	ENSG00000099804.8	5.709802123	6.438518986	5.993762865
PAPSS1	ENSG00000138801.8	6.301772489	5.827636955	5.860570072
ATP13A1	ENSG00000105726.16	7.102608476	6.405714963	5.518890976
FBXW11	ENSG00000072803.17	6.24183892	5.45715233	6.186457836
CYSTM1	ENSG00000120306.9	5.723777079	6.479041122	7.05429699
SACM1L	ENSG00000211456.10	5.74829719	5.990177177	5.742777824
BCL2L1	ENSG00000171552.12	5.55406705	6.292869277	7.755352353
COL4A3BP	ENSG00000113163.15	5.694453708	5.62939592	5.493239734
MRPL44	ENSG00000135900.3	5.46956824	6.641766957	6.536756817
BAZ2A	ENSG00000076108.11	6.352298919	6.576674034	6.27776136
MBNL1	ENSG00000152601.17	6.964033629	5.818458546	6.428103401
GOLGA2	ENSG00000167110.17	5.897236805	7.124376849	5.58596056
MRPS22	ENSG00000175110.11	6.596532204	5.972306942	5.49384358

NMD3	ENSG00000169251.12	6.150368638	5.942623055	5.723502118
PPIL1	ENSG00000137168.7	5.862441944	5.706531758	5.824386084
FNDC3A	ENSG00000102531.16	5.761239831	6.724861116	5.713751025
RRAGA	ENSG00000155876.5	7.661193367	6.616928783	6.066899895
ZNF593	ENSG00000142684.8	6.237590003	6.877628746	6.074247802
OPA1	ENSG00000198836.8	5.474616679	6.737772719	6.042755603
PFDN4	ENSG00000101132.9	5.882233939	5.473115746	5.56842778
ABCD3	ENSG00000117528.11	5.943390464	5.448757261	6.256499272
AAAS	ENSG00000094914.12	6.523389569	5.685340072	5.491964964
ELAVL1	ENSG00000066044.14	6.255954824	5.584488499	5.480684362
BLMH	ENSG00000108578.14	7.064650005	5.806621595	5.453237613
KIAA1191	ENSG00000122203.14	5.896460684	6.514379451	6.369530113
RUNX3	ENSG00000020633.18	5.414837289	6.912578543	6.477657863
DCPS	ENSG00000110063.8	6.708780723	5.439253567	5.531294543
NUDT1	ENSG00000106268.15	5.722352713	6.435251051	5.53807307
RPUSD3	ENSG00000156990.14	6.862884005	6.048415146	5.679146448
FAM91A1	ENSG00000176853.15	5.867077472	6.020982876	5.791091347
DIDO1	ENSG00000101191.16	6.157995495	5.436615652	5.764942556
KXD1	ENSG00000105700.10	6.917458212	6.55324686	6.287351077
PSMF1	ENSG00000125818.17	6.423212624	6.405399256	5.533536805
ARFGAP2	ENSG00000149182.14	6.130329349	5.657752328	6.46928913
COX14	ENSG00000178449.8	6.221195062	5.689307031	5.681787184
MGME1	ENSG00000125871.13	5.575328912	5.533733152	5.49635853
CLIP1	ENSG00000130779.19	5.482002384	5.6944049	5.452836467
PTCD3	ENSG00000132300.18	5.492957334	5.978678619	5.409139814
CHD1L	ENSG00000131778.18	6.141215037	5.991319238	6.231762922
DENND5A	ENSG00000184014.7	5.503795543	6.185048176	5.920062628
DEF8	ENSG00000140995.16	5.923590754	6.131965638	6.424712297
SLC23A2	ENSG00000089057.14	5.827482863	6.753475988	6.565453493
C19orf70	ENSG00000174917.8	7.112950849	5.801238954	5.911175093
JOSD1	ENSG00000100221.10	5.495703129	6.391485553	5.975286017
INCENP	ENSG00000149503.12	7.049475889	5.891968216	5.394314879
MRPL9	ENSG00000143436.10	7.044226733	6.408744062	5.592276807
RALBP1	ENSG00000017797.12	5.727382305	6.55299135	6.061313381
PYCR2	ENSG00000143811.18	6.928313401	5.41632433	6.320312805
SRSF2	ENSG00000161547.16	6.953228854	6.007055262	5.801959547
SEC13	ENSG00000157020.17	7.122798172	7.359975274	5.48265514
TPR	ENSG00000047410.13	6.977123134	5.594404026	5.421116726
NADK	ENSG00000008130.15	5.770357453	5.97441329	5.44079064
ERAL1	ENSG00000132591.11	6.210329416	5.712983953	5.718500575
VPS35	ENSG00000069329.16	5.970099002	5.641436892	6.09291167
ANKRD17	ENSG00000132466.18	6.11916339	6.123219469	5.762670023
IVD	ENSG00000128928.8	6.183013153	6.06559673	5.426679885
RNF7	ENSG00000114125.13	5.686224987	6.49730001	5.759077567
ANXA7	ENSG00000138279.15	6.394220772	5.879576341	6.141321473
PSMD7	ENSG00000103035.10	7.550175341	6.360028884	6.560157767

PPID	ENSG00000171497.4	6.45840929	5.378796052	5.724955679
TRIM2	ENSG00000109654.14	6.08942223	5.530682696	6.380492515
DUS1L	ENSG00000169718.17	6.117210095	6.850068622	6.349477493
CTSC	ENSG00000109861.15	7.581110297	6.554458328	5.379934517
FADS1	ENSG00000149485.18	6.523656031	5.820499428	5.484570463
SPAG5	ENSG00000076382.16	6.283270565	5.477313962	5.571977209
PRPF4B	ENSG00000112739.16	5.737240527	5.784934022	6.034196534
SLU7	ENSG00000164609.9	6.658933332	5.602388646	6.301073977
PIP4K2B	ENSG00000276293.4	5.411841755	5.589020819	6.237984922
MGEA5	ENSG00000198408.13	6.325741543	6.122487158	6.326409028
TNFRSF1A	ENSG00000067182.7	7.218613057	5.6990646	5.709513185
BOP1	ENSG00000261236.7	7.008671408	6.165085746	5.455784475
IFNGR2	ENSG00000159128.14	6.001002133	5.57937067	5.735577844
DNAJA3	ENSG00000103423.13	6.209004323	6.049577874	6.492863113
DDX56	ENSG00000136271.10	7.241210022	7.010972958	5.839752654
MTFR1L	ENSG00000117640.17	5.848694276	6.038815627	5.852851016
CTDSP2	ENSG00000175215.10	6.565726399	5.727392098	8.51856153
UBQLN4	ENSG00000160803.7	6.373720061	5.633178806	5.388865593
PDLIM7	ENSG00000196923.13	6.568762402	5.376666227	5.602559396
RNASEH1	ENSG00000171865.9	6.13150772	6.032224706	5.451383584
POLR2F	ENSG00000100142.14	7.118326208	6.371164185	6.352867248
SLC5A6	ENSG00000138074.14	5.910147218	5.803656392	5.616613176
MRPL41	ENSG00000182154.7	6.397674368	7.333345972	6.336449274
KLHDC3	ENSG00000124702.17	7.228536396	5.729418273	5.571535556
ATXN10	ENSG00000130638.16	5.476013213	5.441651422	6.057369528
BRD8	ENSG00000112983.17	6.418998501	5.475662878	5.443507529
PEF1	ENSG00000162517.12	6.354234444	5.534945671	5.625815595
PTRH2	ENSG00000141378.14	5.920656189	6.465587178	5.868815441
ERO1A	ENSG00000197930.12	5.68645724	5.662275743	5.624600546
CEBPZ	ENSG00000115816.14	7.198293357	6.570777921	5.413415502
MCRS1	ENSG00000187778.13	6.629028664	5.43164132	5.645751297
TIMM13	ENSG00000099800.7	6.043264538	5.876026148	5.590025949
GPBP1L1	ENSG00000159592.10	6.350336846	5.604530866	5.61251818
ITCH	ENSG00000078747.14	6.191595392	5.932379241	6.095516761
HDDC2	ENSG00000111906.17	6.123363035	5.767652058	6.202961291
ECE1	ENSG00000117298.14	5.978961369	7.447892926	5.406178349
DVL3	ENSG00000161202.17	5.395835591	6.042503605	6.020982265
HCFC1	ENSG00000172534.13	6.537699706	5.707247336	5.604603841
NRAS	ENSG00000213281.4	6.274321533	5.990561993	5.927706925
PPP1R7	ENSG00000115685.14	5.635865226	5.940533761	5.869340518
NUDT21	ENSG00000167005.13	7.309558742	5.50504181	6.286228365
CDK12	ENSG00000167258.13	5.914576726	5.762147383	6.018863723
SEC62	ENSG00000008952.16	5.381556091	6.514497011	6.193606435
GGT7	ENSG00000131067.16	5.599395582	5.602317276	6.145291257
SLC35C2	ENSG00000080189.14	6.319008287	5.897335496	5.825907418
TRIM25	ENSG00000121060.16	6.250887379	6.315446226	5.993705893

RAE1	ENSG00000101146.12	6.566109393	5.541909725	5.89252489
LSG1	ENSG00000041802.10	5.614167644	6.48700097	5.408503703
SNHG7	ENSG00000233016.6	7.158056984	6.950142499	6.709963603
CIZ1	ENSG00000148337.20	6.786424862	6.496119193	5.481746946
ANXA6	ENSG00000197043.13	5.387134754	6.615078535	7.356011155
EIF1AX	ENSG00000173674.10	6.58764437	5.411544785	5.577937661
HMCES	ENSG00000183624.13	6.57651196	5.578068164	5.584872525
KPNA1	ENSG00000114030.12	6.048697862	5.651948584	5.875027611
MPRIIP	ENSG00000133030.20	6.922962176	5.389379233	6.714670236
KAT5	ENSG00000172977.12	5.800063578	5.426996135	5.844559377
NUP58	ENSG00000139496.15	6.237687803	5.380600655	5.922178315
MED8	ENSG00000159479.16	6.422479751	6.029143926	5.495347962
KIF23	ENSG00000137807.13	6.382505222	5.493885145	5.801047746
LSM10	ENSG00000181817.5	6.277368083	5.997845491	5.879004237
FAM234A	ENSG00000167930.15	6.177737815	5.460995802	5.555948426
NDUFS4	ENSG00000164258.11	6.825905576	5.428337207	6.405238208
MED1	ENSG00000125686.11	6.229651469	5.721418493	6.503770992
PPF1A1	ENSG00000131626.16	6.051303971	6.629142483	5.97175193
TMEM259	ENSG00000182087.12	5.442311176	6.897007584	5.92796483
OSBP	ENSG00000110048.11	5.891030705	5.732286894	6.005335557
SCAF1	ENSG00000126461.14	6.724247975	6.777971524	5.8488391
SEPT10	ENSG00000186522.14	5.485677195	6.338745113	6.287316574
NCOR1	ENSG00000141027.20	6.418476381	5.481155539	6.397153427
IST1	ENSG00000182149.20	6.092174739	6.68425083	7.179333345
DVL2	ENSG00000004975.11	6.011407027	5.389427556	5.400358897
MCM6	ENSG00000076003.4	6.377897061	5.865320315	5.459768018
SKP1	ENSG00000113558.18	7.644187795	5.916842626	7.359330284
GLB1	ENSG00000170266.15	5.729183632	6.782462321	5.420826344
CCNL1	ENSG00000163660.11	5.775700888	6.079142609	5.827054943
NUTF2	ENSG00000102898.11	7.065256581	5.578613328	6.205234335
CHMP3	ENSG00000115561.15	5.63724281	5.962927477	5.536507797
SCARB1	ENSG00000073060.15	7.207990831	8.277224145	9.066438028
KDM1A	ENSG00000004487.15	7.396644222	7.022155663	5.373239535
RRAGC	ENSG00000116954.7	5.388695286	5.604494157	5.67933802
SP1	ENSG00000185591.9	6.222366175	5.390649503	5.44017395
TRMT10C	ENSG00000174173.6	6.848543222	6.135694847	5.377873698
GTF2I	ENSG00000263001.5	7.171649558	6.76183019	5.367236147
ARL6IP4	ENSG00000182196.13	6.33086529	5.431096145	7.062606777
SEC23A	ENSG00000100934.14	5.360025462	6.087379932	5.588430854
FRG1	ENSG00000109536.11	6.889448332	5.411397549	5.641869808
NUP160	ENSG00000030066.13	6.702844614	5.95974343	5.339823794
SKA2	ENSG00000182628.12	6.211472086	5.769850632	5.448331833
UPP1	ENSG00000183696.13	5.386470445	8.049121806	6.470015579
DCAF13	ENSG00000164934.13	6.633461398	5.332998206	5.601229231
LPGAT1	ENSG00000123684.12	6.086007143	5.35472366	6.125813344
EMD	ENSG00000102119.10	6.181373268	5.812875592	5.607818822

RBM10	ENSG00000182872.15	6.487919903	5.75263829	5.337676773
TOMM40	ENSG00000130204.12	6.950799642	5.979104677	5.524900525
SUCLG2	ENSG00000172340.14	6.663518797	5.756974579	5.391359892
TMEM14A	ENSG00000096092.5	5.631423873	5.961479816	5.696963539
CD320	ENSG00000167775.10	7.108268918	6.383021476	5.770402435
RERE	ENSG00000142599.17	6.104263107	6.003347529	6.919333615
WIPI2	ENSG00000157954.14	6.321736189	6.690784815	5.794102611
KIF1C	ENSG00000129250.11	5.971189864	5.804134527	5.480018637
UBE3A	ENSG00000114062.18	6.505350664	6.620913771	6.750094063
MTX2	ENSG00000128654.13	5.479818639	6.476811493	6.463478927
HMGCR	ENSG00000113161.15	6.021241719	5.449036608	5.406358386
NDUFA7	ENSG00000267855.5	6.496852913	6.551329765	5.513184419
TFPT	ENSG00000105619.13	6.075043507	5.433020654	6.610412192
MRPL45	ENSG00000278845.4	6.591489836	6.32613625	6.330645731
ATL2	ENSG00000119787.13	5.495477352	5.448426759	5.45259813
ZMIZ2	ENSG00000122515.14	5.45979671	5.786651337	5.350614661
USP48	ENSG00000090686.15	5.517073393	7.332025416	7.074076475
SMG7	ENSG00000116698.21	6.353614186	5.436736566	5.715054053
PRPS1	ENSG00000147224.10	5.984608918	5.946020624	5.40984697
PXDC1	ENSG00000168994.13	5.701871432	5.461336257	5.654235338
NR1H2	ENSG00000131408.13	6.618475305	6.490256696	6.717030126
RTN3	ENSG00000133318.13	6.93266534	6.108322267	6.548731595
COPS2	ENSG00000166200.14	6.327064927	6.031922371	5.969654369
GPBP1	ENSG00000062194.15	6.069868626	5.353996154	5.591715616
KEAP1	ENSG00000079999.13	5.965582216	5.605547793	5.564024501
SSH1	ENSG00000084112.14	6.147193029	6.746718071	7.035433905
PET100	ENSG00000229833.9	6.254558346	5.763170171	5.659734241
PCYT1A	ENSG00000161217.11	5.456337115	5.787396839	5.483186989
CTR9	ENSG00000198730.7	5.734388477	5.793067411	5.309794085
PBX2	ENSG00000204304.11	5.716922863	6.266346052	5.677550371
PKIG	ENSG00000168734.13	5.951773475	5.378542658	5.924957477
NFIC	ENSG00000141905.18	6.220136034	6.254624601	5.748023122
PARN	ENSG00000140694.16	6.485717566	5.79527983	5.81695725
MAN1B1	ENSG00000177239.14	5.74645422	6.615005359	5.38014615
ARMC1	ENSG00000104442.9	5.966902986	5.396203228	5.804601415
LONP2	ENSG00000102910.13	5.373286647	5.360019297	6.106909734
WDR74	ENSG00000133316.15	6.955858129	5.495417454	5.721039495
KIAA2013	ENSG00000116685.15	6.040475835	6.407208183	5.659393701
MRPL19	ENSG00000115364.13	6.322778534	6.117810355	5.402721504
ZNF106	ENSG00000103994.16	5.748777431	6.839943554	8.456563174
HCCS	ENSG00000004961.14	6.24838698	5.39918204	5.370747286
TMEM8A	ENSG00000129925.10	5.363336085	6.845035647	7.042604337
YIF1B	ENSG00000167645.16	5.89871962	6.243865282	5.341798742
ETV4	ENSG00000175832.12	7.844048473	6.822436739	8.971186109
UBAC2	ENSG00000134882.15	6.155559886	5.580462527	6.160737229
GPATCH4	ENSG00000160818.16	7.447142459	6.287959216	5.393868905

FKBP9	ENSG00000122642.10	5.716106734	6.853986791	6.798296033
SCAMP4	ENSG00000227500.9	5.309364056	5.973079544	5.854340994
YES1	ENSG00000176105.13	6.061843663	6.408754542	5.592474351
PSME4	ENSG00000068878.14	6.258611885	5.425432422	6.23825239
SAP30BP	ENSG00000161526.14	5.759474563	5.623847925	6.105759399
NUP93	ENSG00000102900.12	6.751776612	7.322668299	6.063524145
JPT1	ENSG00000189159.15	7.237735102	5.501134402	6.270634233
IP6K2	ENSG00000068745.14	5.640394133	6.066757984	5.495902537
SNX9	ENSG00000130340.15	5.393608369	6.630092284	8.023675949
ILKAP	ENSG00000132323.8	5.342754807	6.862893438	5.454891652
THOC5	ENSG00000100296.13	6.94303167	7.030200069	6.6109175
P4HA2	ENSG00000072682.18	5.35147738	5.512656157	5.860248351
CDKN1B	ENSG00000111276.10	5.714821507	5.360867629	5.831633952
TCTN3	ENSG00000119977.20	5.822925164	5.918673036	5.56511542
TAF13	ENSG00000197780.9	7.153251667	6.527797946	5.796047608
NELFE	ENSG00000204356.13	6.669413241	6.851163698	5.648591398
ATF6B	ENSG00000213676.10	5.76056548	6.036481676	6.375404868
NANS	ENSG00000095380.10	6.558580512	7.696146648	5.387162895
DMTF1	ENSG00000135164.18	5.429596395	6.11108183	5.688270212
GRHPR	ENSG00000137106.17	6.833432655	6.882079186	5.961145772
FAM49B	ENSG00000153310.19	6.251185511	6.328610427	5.306400696
EPB41L2	ENSG00000079819.18	6.293343543	5.897625349	5.716764009
DHCR7	ENSG00000172893.15	5.422210352	6.109165355	6.099331715
VPS4B	ENSG00000119541.9	5.653946775	6.280206076	5.597116944
SMARCD1	ENSG00000066117.14	6.997353598	6.121047835	5.812977771
FARP2	ENSG00000006607.13	5.467304029	7.314342953	6.738518028
MYO9B	ENSG00000099331.13	6.351047633	7.685763733	6.285698255
SDF2L1	ENSG00000128228.4	5.579920454	6.270531579	5.501631379
PLOD2	ENSG00000152952.11	5.641681395	5.320634543	5.913151306
MBD3	ENSG00000071655.17	6.452643217	5.58474336	5.803933504
TAOK3	ENSG00000135090.13	5.308936725	5.845928255	7.22535049
TIPRL	ENSG00000143155.12	6.85991723	6.617553488	5.284030714
UBE2E3	ENSG00000170035.15	5.587882089	5.946505538	6.459820569
MTHFD2	ENSG00000065911.11	6.921029491	5.745709845	6.278174561
RANBP2	ENSG00000153201.15	5.32661108	6.108450291	6.143028701
USP19	ENSG00000172046.18	6.493312359	6.049859273	5.546927693
PIEZO1	ENSG00000103335.21	5.963985792	5.526573152	6.009093582
SMIM30	ENSG00000214194.8	5.368011508	7.274806937	6.315339984
SCAMP2	ENSG00000140497.16	5.496598087	6.155948046	6.61902177
HS1BP3	ENSG00000118960.12	5.308272853	6.211678538	5.366456765
MFSD14B	ENSG00000148110.15	6.009680711	7.46842623	5.282530901
PLEKHB2	ENSG00000115762.16	5.315055097	6.466060886	6.817931482
LRRC58	ENSG00000163428.3	6.295529212	5.610534953	5.322471189
HECTD1	ENSG00000092148.12	5.890759252	5.92161265	5.851167255
SDCCAG3	ENSG00000165689.16	6.625920017	6.119465789	5.941204632
MRPS9	ENSG00000135972.8	5.343091046	6.251023494	5.781672041

TXN2	ENSG00000100348.9	6.481216465	6.24445221	6.335317636
ALAS1	ENSG00000023330.14	5.921875474	6.505226216	5.888012924
IAH1	ENSG00000134330.18	5.411135893	6.112481332	5.27287716
LARP4	ENSG00000161813.21	6.655237409	6.13371087	5.939147451
KPNA3	ENSG00000102753.9	6.097597056	5.412191148	5.304925335
RHOC	ENSG00000155366.16	7.058849036	6.582695154	5.561088004
CALM3	ENSG00000160014.16	6.459847607	5.619706589	7.50336011
ALG8	ENSG00000159063.12	6.254913339	5.578015618	5.658090045
SMC4	ENSG00000113810.15	7.30856516	6.409805171	5.293139671
MBD6	ENSG00000166987.14	5.800666786	5.679458598	8.244117814
ATAD3A	ENSG00000197785.13	6.306295845	6.344161622	5.489013904
TIA1	ENSG00000116001.15	5.599248516	5.455970516	5.267624065
PREPL	ENSG00000138078.15	5.534186102	5.963609198	6.404633044
ZC3H7B	ENSG00000100403.11	5.375189255	5.450238704	6.678116928
MET	ENSG00000105976.14	6.051717628	6.787787314	6.327704158
C9orf78	ENSG00000136819.15	7.062744731	7.068998007	5.305744516
MESD	ENSG00000117899.10	5.280903007	5.39951197	5.555848801
USP1	ENSG00000162607.12	6.473637599	5.31509072	5.313843944
CBX4	ENSG00000141582.14	5.548369951	6.454099588	7.055780366
COMMD7	ENSG00000149600.11	5.427716738	5.397039955	6.618575871
MCAM	ENSG00000076706.16	6.937862261	8.2913978	7.084943368
SNRPB2	ENSG00000125870.10	8.532612682	6.867490402	5.295072403
C19orf24	ENSG00000228300.13	5.378091161	6.157016468	6.404100386
SARNP	ENSG00000205323.8	5.999153065	5.646904071	5.399917865
MRPL2	ENSG00000112651.11	5.842288283	5.442299658	5.621708227
FN1	ENSG00000115414.18	5.324256319	9.176693359	10.29482995
MICAL3	ENSG00000243156.7	5.690332776	6.586386402	6.702462459
IWS1	ENSG00000163166.14	5.397074166	6.405076606	5.930258735
RPA1	ENSG00000132383.11	6.613088836	5.315598239	5.739042314
MAP2K1	ENSG00000169032.9	5.945259387	5.443449687	5.830830496
MYL6B	ENSG00000196465.10	6.700873269	5.802936329	5.544460745
APIP	ENSG00000149089.12	5.743061873	5.597498549	5.600190775
CHERP	ENSG00000085872.14	6.8768568	6.54265529	5.303754589
LRRFIP2	ENSG00000093167.17	6.470940633	5.724868422	5.348451801
FOSL1	ENSG00000175592.8	8.295182303	5.526936601	6.255662251
SLC7A1	ENSG00000139514.12	6.465873801	6.540821408	7.125925083
ELAC2	ENSG00000006744.18	7.059050186	5.349390798	5.533288924
PNPLA2	ENSG00000177666.16	6.428093979	6.07395586	6.155062813
NUP62	ENSG00000213024.11	6.131886484	6.385350308	5.406540341
USP16	ENSG00000156256.14	5.621619524	5.478381208	6.231024433
TPP2	ENSG00000134900.11	5.819307236	5.323149416	5.390687353
SLC39A14	ENSG00000104635.13	5.977926366	6.577540692	7.620855055
RPS19BP1	ENSG00000187051.8	5.434215288	5.371854167	5.696249094
GTF2B	ENSG00000137947.11	5.589608098	5.391470252	5.373847459
INTS13	ENSG00000064102.14	5.998899432	5.325438013	5.822368866
ACAP3	ENSG00000131584.18	5.248986803	5.47882221	6.050302867

LIMK1	ENSG00000106683.14	5.524857985	8.021870293	6.20483761
PAK1IP1	ENSG00000111845.4	6.093248794	5.275258717	5.506079418
GTPBP4	ENSG00000107937.18	6.509591949	5.468709047	5.305088447
GOLGA7	ENSG00000147533.16	5.431099033	5.669657371	6.287984244
RPA2	ENSG00000117748.9	6.550200431	5.82056595	5.367936523
SOX10	ENSG00000100146.16	9.447967728	8.806414129	8.674512248
HUWE1	ENSG00000086758.15	7.296937861	6.933407452	7.020577252
RNF130	ENSG00000113269.13	5.991880321	6.123342675	5.939611165
SCCPDH	ENSG00000143653.9	6.684571973	6.399993377	5.587099706
CHAMP1	ENSG00000198824.5	6.609882142	5.607857332	5.563738318
AKAP12	ENSG00000131016.16	7.87301605	5.626992808	7.381239891
USP9X	ENSG00000124486.12	5.579973361	5.554773154	5.884853706
SLBP	ENSG00000163950.12	6.800970932	5.255714786	7.283567618
GADD45GIP1	ENSG00000179271.2	6.66672378	5.338674153	5.478373624
ASNS	ENSG00000070669.16	7.235171555	6.057003085	7.750024562
CMTR1	ENSG00000137200.12	5.299453559	5.584764509	5.277337386
RYK	ENSG00000163785.12	6.289800915	5.840013653	5.545414715
INTS3	ENSG00000143624.13	6.431345248	6.807693709	5.398483926
NOL10	ENSG00000115761.15	6.490687681	5.605040128	5.243599579
GNG10	ENSG00000242616.3	5.616072069	6.449393896	5.668675006
LANCL1	ENSG00000115365.11	5.303132943	6.127838159	6.30205795
BUB1	ENSG00000169679.14	6.210413766	5.919963425	5.266476191
SF3B3	ENSG00000189091.12	7.24324584	6.035294475	5.714279493
UBL4A	ENSG00000102178.12	6.332074379	5.719070548	5.608386122
MLH1	ENSG00000076242.14	6.07492951	5.335276685	5.607941594
PSME2	ENSG00000100911.15	6.613382058	5.38038363	5.759544681
RN7SK	ENSG00000283293.1	6.545819847	5.449013003	6.276234663
SEN3	ENSG00000161956.12	7.023477107	6.064812118	5.980265594
C11orf84	ENSG00000168005.8	6.028091394	5.518568561	5.329436292
CYB561A3	ENSG00000162144.9	6.357659698	5.980948958	5.99476015
HPS1	ENSG00000107521.18	5.863092976	5.365722412	6.010032758
NUFIP2	ENSG00000108256.8	5.702942621	6.043928936	6.283430512
PSMG2	ENSG00000128789.20	6.054395107	6.526179532	5.931694668
CUL4B	ENSG00000158290.16	5.793332399	5.603269944	5.604108867
IDH3B	ENSG00000101365.20	6.768941082	6.484497141	5.284724046
FAR1	ENSG00000197601.12	5.253897934	5.260082466	5.341795413
COX15	ENSG00000014919.12	6.437629818	5.725386091	5.478403462
IGF2BP3	ENSG00000136231.13	7.180054403	6.327107394	6.849846241
COL9A3	ENSG00000092758.15	8.552007809	8.162544192	8.685680313
IRF2BP2	ENSG00000168264.10	6.059887368	5.238567463	5.838117293
TRIB3	ENSG00000101255.10	6.338770759	6.22979424	7.614121094
MAPKAPK3	ENSG00000114738.10	5.545311818	6.113225823	5.262745083
RTF1	ENSG00000137815.14	5.92542501	5.674934581	5.307914044
CHD8	ENSG00000100888.12	5.937637453	5.387271566	5.320870693
PDS5A	ENSG00000121892.14	6.569297834	5.307392621	7.023185773
SUCLA2	ENSG00000136143.14	5.79002112	5.279246631	5.343680801

EPHX1	ENSG00000143819.12	5.29734317	5.892555003	5.797573357
SELENOS	ENSG00000131871.14	5.828819168	6.554971837	5.985239061
RHOG	ENSG00000177105.9	5.984259507	6.236784436	6.086368212
VMA21	ENSG00000160131.13	6.125032401	5.519662972	5.578382687
TMEM208	ENSG00000168701.18	6.200838697	5.726359153	5.691814689
MMGT1	ENSG00000169446.5	5.570894454	5.663154366	5.576026034
GALNT11	ENSG00000178234.12	5.25023917	5.895147799	6.152925685
PNKP	ENSG00000039650.11	6.053698806	6.064398999	5.750330087
OTUB1	ENSG00000167770.11	6.187197914	5.949037321	5.966088267
YLPM1	ENSG00000119596.17	5.916965532	5.207206451	5.772805137
AKT3	ENSG00000117020.16	6.55053077	5.297882821	6.739556257
MRPL27	ENSG00000108826.15	6.086244602	5.829924828	5.650549361
DNAJC2	ENSG00000105821.14	6.285735595	6.316133706	5.252741923
HDGFL2	ENSG00000167674.14	6.218018575	6.39674073	5.382316868
DHX36	ENSG00000174953.13	6.503672595	5.796163759	5.39591598
PARL	ENSG00000175193.13	5.447944097	6.153757406	6.151830608
USP32	ENSG00000170832.12	5.305331818	6.212585628	5.870440886
WLS	ENSG00000116729.13	6.363381663	5.878107201	5.458238286
COQ9	ENSG00000088682.13	6.226290318	5.332391759	6.165724985
XPO5	ENSG00000124571.17	6.216355051	5.831155567	5.534042744
GMPPA	ENSG00000144591.18	5.230983706	6.628793595	5.589402961
PRKCD	ENSG00000163932.13	6.53704358	7.117690323	5.230057224
DIABLO	ENSG00000184047.16	6.240715797	5.509476517	5.446764024
AIMP1	ENSG00000164022.16	5.860026852	5.353682306	5.467338291
ZC3HAV1	ENSG00000105939.12	5.472913076	5.492977779	5.217132911
RANBP9	ENSG00000010017.12	5.356244381	5.66374627	6.692910139
ODC1	ENSG00000115758.12	5.59273692	7.111628527	8.60694385
TRIP10	ENSG00000125733.17	5.63892951	5.450343941	5.36780149
BSCL2	ENSG00000168000.14	6.240560641	5.407582915	5.965340833
ACSS2	ENSG00000131069.19	5.940451682	5.347705757	6.578275698
SLTM	ENSG00000137776.16	6.894534014	5.904697493	6.222026135
XRN2	ENSG00000088930.7	7.157138308	6.919428217	5.255262776
ARV1	ENSG00000173409.13	6.334466367	5.274041213	5.31451842
PIP4K2C	ENSG00000166908.17	5.508603711	6.021077086	8.08881545
NNT	ENSG00000112992.16	5.825462055	6.450058818	6.519281054
DYNLL2	ENSG00000264364.2	5.325195211	5.438828417	6.374954329
NIPSNAP2	ENSG00000146729.9	6.177539851	5.513129345	6.074065888
GMPS	ENSG00000163655.15	6.14937157	5.463702735	5.407331918
DDX41	ENSG00000183258.11	5.805570656	5.397137222	5.909876264
SPR	ENSG00000116096.5	5.611030862	6.654736529	5.392711
DERA	ENSG00000023697.12	5.743662378	5.658359474	6.38501772
RBFOX2	ENSG00000100320.22	6.018720774	6.359835845	6.586739176
PCMTD2	ENSG00000203880.11	6.188985558	5.25804617	6.521604151
CCDC43	ENSG00000180329.13	5.78015797	5.558837731	5.666492485
C21orf59	ENSG00000159079.18	6.138076161	5.324141879	6.003517722
CDC23	ENSG00000094880.10	6.227412362	5.203388106	5.305147007

CCNB2	ENSG00000157456.7	6.765040483	5.594379276	5.246658623
COPS7A	ENSG00000111652.9	6.212746607	6.015786267	6.676079353
TYK2	ENSG00000105397.13	6.425302122	5.841486227	6.086023495
DDX49	ENSG00000105671.11	7.372012093	6.128983921	5.26297558
WDR45	ENSG00000196998.17	6.521915674	5.98757756	5.362399544
RIC8A	ENSG00000177963.14	5.685288274	6.036166007	5.392512455
DHCR24	ENSG00000116133.11	6.831017667	6.376273285	5.823518021
CRKL	ENSG00000099942.12	5.202806085	5.925495022	5.904166147
NUP153	ENSG00000124789.11	5.780104643	5.226957106	5.44666199
VAPA	ENSG00000101558.13	5.824741607	6.221233548	5.752935689
COPS8	ENSG00000198612.10	5.617518908	6.491831309	6.447154909
SNX4	ENSG00000114520.10	5.506630661	5.590843504	5.189126888
ATP6V0A1	ENSG00000033627.16	5.577049861	6.652570944	8.253814449
NDUFAF3	ENSG00000178057.14	5.55361221	6.208530398	5.616577756
PIH1D1	ENSG00000104872.10	7.003827792	6.396370706	5.983481617
EXOC4	ENSG00000131558.14	5.316121857	6.091446698	6.034448209
DHX8	ENSG00000067596.10	6.722075348	5.888993234	5.738150613
GOLIM4	ENSG00000173905.8	5.497274114	5.9582824	5.668651075
EMC1	ENSG00000127463.14	5.98657692	6.389206558	5.322101935
RPS6KA4	ENSG00000162302.12	5.309185969	5.815965192	5.434471609
SAFB2	ENSG00000130254.11	6.386712859	5.260505504	5.489872772
ACP1	ENSG00000143727.15	6.521352059	6.558534923	5.395853428
INTS8	ENSG00000164941.13	5.762709872	5.641823159	5.349406345
DCAF7	ENSG00000136485.14	6.126594192	5.96093365	6.096348724
POP5	ENSG00000167272.10	6.198234126	6.081335609	6.135103776
BCLAF1	ENSG00000029363.16	6.535383755	5.454143179	5.543073878
RAB12	ENSG00000206418.3	5.62425176	6.06987631	5.607212211
DGKZ	ENSG00000149091.15	5.796425419	5.674756713	6.469721125
RBM22	ENSG00000086589.11	6.346072544	5.315462704	6.217235951
RRP1B	ENSG00000160208.12	5.756051731	5.667656503	5.475504786
MRPL52	ENSG00000172590.18	5.448492544	5.521869711	5.316849698
COPS3	ENSG00000141030.12	6.976920999	5.315571851	5.703531287
RHBDD2	ENSG00000005486.16	5.348976027	6.694360726	5.502930024
ZFPL1	ENSG00000162300.11	5.653203251	5.574418827	5.418359254
AKAP8L	ENSG00000011243.17	5.721417723	5.983171274	5.89981187
PBRM1	ENSG00000163939.18	5.628819188	5.735702697	5.309053009
TM9SF4	ENSG00000101337.15	5.355073031	6.109601989	6.59912665
ATP6AP2	ENSG00000182220.14	5.543129618	5.424225231	5.39284066
CARS	ENSG00000110619.17	6.577738203	6.10228889	7.300268286
ARAP1	ENSG00000186635.14	5.28376247	5.8337541	6.370146192
ADGRE5	ENSG00000123146.19	6.911514903	6.489660585	5.222361779
NUDT5	ENSG00000165609.12	6.521678814	5.46744246	5.235813105
GSK3B	ENSG00000082701.14	6.432243211	5.500813251	5.47621824
SQLE	ENSG00000104549.11	5.227992035	5.969769879	6.634346915
FUBP3	ENSG00000107164.15	7.023551712	6.735952005	5.186267146
PPP1R12C	ENSG00000125503.12	5.581702203	5.293992748	5.799364025

JUND	ENSG00000130522.5	6.263191221	6.237129259	6.232359984
GPR137B	ENSG00000077585.13	5.472586716	7.97744578	7.108268564
MUL1	ENSG00000090432.6	5.738019633	5.634812987	5.745479205
PPP4R2	ENSG00000163605.14	6.282008714	5.91177736	5.175915078
NPM3	ENSG00000107833.10	6.74019699	6.003950783	5.23578455
LSM2	ENSG00000204392.10	6.131345318	5.172802886	6.14928852
MAX	ENSG00000125952.18	6.409249794	6.173200401	5.629324452
IGSF3	ENSG00000143061.17	5.303119408	6.604010727	6.54131694
NDRG3	ENSG00000101079.20	5.604127122	5.506573802	6.497683338
HSPA13	ENSG00000155304.5	5.195965477	5.444863737	6.793017271
SEC22C	ENSG00000093183.13	5.597124229	5.914496935	5.511193053
PHF23	ENSG00000040633.12	6.628102692	6.469178723	5.737327167
UBAC1	ENSG00000130560.8	6.208218544	6.430504304	6.321534127
TBL1XR1	ENSG00000177565.16	6.206156935	6.546593931	5.764269261
CARM1	ENSG00000142453.11	6.818366746	5.906174018	5.14246755
TAOK1	ENSG00000160551.11	5.44066658	5.802114714	5.892086239
CNDP2	ENSG00000133313.14	5.398446742	6.403958049	5.717227269
PARP4	ENSG00000102699.5	6.327271942	5.886723638	5.174830925
SEC14L1	ENSG00000129657.14	5.340719827	5.790968847	8.506543167
DYNC1I2	ENSG00000077380.15	5.248426177	6.998867616	6.545610922
PLRG1	ENSG00000171566.11	6.301136439	5.224601692	5.407992196
DCTN3	ENSG00000137100.15	6.642251854	5.226258984	5.79328351
LRWD1	ENSG00000161036.12	6.258302446	5.485550336	5.33310671
HTATSF1	ENSG00000102241.11	6.641960187	5.647531541	5.973073597
HSD17B11	ENSG00000198189.10	5.268759121	5.658692179	6.324120575
RHOBTB3	ENSG00000164292.12	5.24349269	5.286387821	5.906198233
DENND4B	ENSG00000198837.9	6.287145622	5.859252714	5.346357889
METAP2	ENSG00000111142.13	7.525512501	6.468610697	5.426781676
MINK1	ENSG00000141503.15	5.290519187	5.214486822	5.817033971
PPA2	ENSG00000138777.19	6.106104457	5.225713852	5.91349109
JMJD6	ENSG00000070495.14	5.376492643	5.733808472	6.463710764
DNTTIP1	ENSG00000101457.12	6.599095627	5.41323434	5.737268072
TIAL1	ENSG00000151923.17	7.470594218	5.948982686	5.968954118
PTDSS1	ENSG00000156471.12	6.00670285	5.19397462	5.523219968
COL6A1	ENSG00000142156.14	7.217453908	5.68485033	5.709341944
PBDC1	ENSG00000102390.10	5.656304789	5.944670827	5.947988219
USP36	ENSG00000055483.19	5.30620488	6.885484242	6.315085476
ZDHHC4	ENSG00000136247.14	6.303491644	5.866773422	6.143094668
AGPS	ENSG00000018510.13	5.700725256	5.83239666	5.177630574
SKIV2L2	ENSG00000039123.15	6.744053764	5.771016739	5.141004865
PAM	ENSG00000145730.20	6.783282726	7.151896752	7.166500749
AIP	ENSG00000110711.9	6.936621016	5.300105625	6.825403724
NDUFA6	ENSG00000184983.9	5.665502305	6.934555675	6.433256822
USP11	ENSG00000102226.9	6.997723459	6.235247703	5.188434439
ILVBL	ENSG00000105135.15	5.864194789	6.542747552	5.256253548
SLC25A32	ENSG00000164933.11	6.069171328	5.646267263	5.781442634

PQBP1	ENSG00000102103.15	6.785949294	5.983234375	5.290075563
PPP1CB	ENSG00000213639.9	7.467298088	7.864876408	6.072756135
MYBL2	ENSG00000101057.15	7.370772715	5.719473597	5.154012625
RHOB	ENSG00000143878.9	6.995946371	7.725062481	6.1013814
ECM1	ENSG00000143369.14	5.161557081	6.722523104	6.781487163
PLXNA1	ENSG00000114554.11	5.141575368	7.359017583	7.643713653
AGTRAP	ENSG00000177674.15	5.215500662	5.637539162	6.153688686
SLC31A1	ENSG00000136868.10	5.394867708	7.746063787	5.242392693
CSTF3	ENSG00000176102.11	6.01784195	5.371337559	5.30554018
CENPB	ENSG00000125817.7	7.343280958	7.117379185	5.281261484
GLYR1	ENSG00000140632.16	5.892667403	5.201525436	5.607151205
NSMCE2	ENSG00000156831.7	5.484354784	5.15498923	5.363332359
CSTF1	ENSG00000101138.11	5.754009332	5.513263613	5.902097593
TBK1	ENSG00000183735.9	5.683716647	5.3209017	5.582952646
CLASP1	ENSG00000074054.17	5.212293799	5.389225866	5.627134845
ZSWIM8	ENSG00000214655.10	5.769280434	5.281715568	6.043052861
GPR137	ENSG00000173264.14	6.152176233	5.201733687	5.844407081
GYS1	ENSG00000104812.14	6.54582543	7.457073908	5.282771665
GLT8D1	ENSG00000016864.18	6.591991605	6.090271089	5.362716868
MED25	ENSG00000104973.16	6.145117998	6.087521946	5.783504367
PSMD10	ENSG00000101843.18	5.917794953	6.033329707	6.047235202
MAPK6	ENSG00000069956.11	6.069437304	5.540920005	6.137746542
LYAR	ENSG00000145220.13	7.17777249	5.145292397	6.300694254
PLEC	ENSG00000178209.14	7.542318539	8.028422476	5.18460417
MSANTD3	ENSG00000066697.14	6.063164108	7.027776114	5.26756472
SPTLC1	ENSG00000090054.13	6.293619495	7.090082893	5.245944379
APEX1	ENSG00000100823.11	6.160158779	5.466618296	5.127274453
OSTF1	ENSG00000134996.11	5.502945806	5.80426218	5.160211283
TAF1D	ENSG00000166012.16	6.710579091	5.129444558	6.196135541
FOPNL	ENSG00000133393.12	5.434018882	5.448091249	5.250966642
TNFRSF10B	ENSG00000120889.12	6.110095579	7.253831414	7.881486769
IER3	ENSG00000137331.11	8.502521537	8.82160106	7.64083212
MAPKAP1	ENSG00000119487.16	6.130095174	6.713437654	5.380454941
WDR55	ENSG00000120314.18	5.728463697	5.477527457	5.231969734
GPS2	ENSG00000132522.15	6.513189318	5.207870431	5.672951331
ANKIB1	ENSG00000001629.9	5.715241536	5.805460177	5.111610619
RRM2	ENSG00000171848.14	7.602782351	5.796021594	5.18406161
GLG1	ENSG00000090863.11	6.42010511	6.096516631	6.02218892
SNRPA	ENSG00000077312.8	6.395596179	6.11499817	5.198342158
SUZ12	ENSG00000178691.10	5.646345862	5.251239873	5.398993465
PIN1	ENSG00000127445.13	5.693102833	6.064255953	5.223305968
QDPR	ENSG00000151552.11	6.991833357	6.029814785	8.874815649
RELA	ENSG00000173039.18	5.709314921	5.575791304	6.186945755
GET4	ENSG00000239857.6	5.314306668	5.802800278	5.727332527
VPS39	ENSG00000166887.15	5.914520314	6.19697369	6.161397719
TSR1	ENSG00000167721.10	7.131887351	5.114108702	5.415839006

ATP5D	ENSG00000099624.7	6.2730489	5.811636709	5.402736513
NQO2	ENSG00000124588.19	5.190129521	5.954215959	5.810151238
EHMT2	ENSG00000204371.11	5.806860123	5.803635162	5.16563423
CRELD2	ENSG00000184164.14	5.509500642	5.876619461	5.253898674
PIR	ENSG00000087842.10	6.097258323	6.472792356	7.263593365
FAM213A	ENSG00000122378.13	5.107573208	6.101976272	6.757726264
KDM2A	ENSG00000173120.14	6.083671896	5.530196567	5.79434505
SEC24C	ENSG00000176986.15	5.999947953	5.95465402	5.815170391
NCBP2-AS2	ENSG00000270170.1	5.361132365	5.63044913	5.226651557
STAT2	ENSG00000170581.13	5.66063806	6.827519795	6.973031439
BCL2L13	ENSG00000099968.17	5.40243421	6.800578101	7.357770411
E2F4	ENSG00000205250.8	6.802553737	5.57318204	5.83178858
GSK3A	ENSG00000105723.11	6.159552056	6.201730641	5.720365009
PNO1	ENSG00000115946.7	5.825730745	6.22438154	5.173806274
HMGB2	ENSG00000164104.11	7.274125886	5.104855056	5.708076773
RNF114	ENSG00000124226.10	5.322989758	5.498453935	6.392625345
OSER1	ENSG00000132823.10	6.370643493	5.74749195	6.412435002
ACAT2	ENSG00000120437.8	5.134877407	5.465611302	5.321172817
NOP16	ENSG00000048162.20	7.068607589	5.831657666	5.209465224
KIAA0319L	ENSG00000142687.17	5.668760234	5.835313547	5.581516223
FXR2	ENSG00000129245.11	6.739467351	5.182875927	5.900417528
DCAF6	ENSG00000143164.15	5.692090713	6.556534354	5.647075107
CREBL2	ENSG00000111269.2	5.656371701	5.675294202	8.088387799
NT5C3B	ENSG00000141698.16	5.94237876	5.680643471	6.473884394
NDUFS1	ENSG00000023228.13	5.176275592	5.787098339	5.850981356
C8orf33	ENSG00000182307.12	5.894765984	5.505468797	5.452169777
ATP6V1D	ENSG00000100554.11	5.499345482	6.283600222	7.038989883
MAN2C1	ENSG00000140400.16	5.958094164	6.293486967	6.166279393
KCTD15	ENSG00000153885.14	6.031217675	5.261329335	5.907614187
TCF12	ENSG00000140262.17	6.5391307	5.778081111	6.333761065
TMBIM4	ENSG00000155957.17	5.598622898	5.582500794	5.124698517
SETD5	ENSG00000168137.15	6.27518999	6.084928148	5.635577801
GATAD1	ENSG00000157259.6	5.303724319	5.535115199	5.286264223
UTP11	ENSG00000183520.11	6.833866132	5.984001639	5.131061726
RASSF3	ENSG00000153179.12	5.110375707	6.629736917	7.012994831
FAM207A	ENSG00000160256.12	5.558858126	5.333066123	7.853899054
FABP5	ENSG00000164687.10	6.54454887	7.978066223	5.368611233
CTSL	ENSG00000135047.14	8.05266036	10.56128209	5.340491684
VPS18	ENSG00000104142.10	5.146916315	6.19942162	5.668023974
DCTPP1	ENSG00000179958.8	6.067167986	5.488094974	5.233366234
GAK	ENSG00000178950.16	6.21874453	5.48578165	7.212279339
NOSIP	ENSG00000142546.13	6.80300935	5.801953023	5.338953734
WNK1	ENSG00000060237.16	5.923737183	6.148114502	8.039539516
VTI1B	ENSG00000100568.10	5.574711411	5.528431513	6.273353494
TMX3	ENSG00000166479.9	5.48696722	6.476406947	5.222203325
CKLF	ENSG00000217555.12	6.402362195	5.169976791	6.274358767

ABCF3	ENSG00000161204.11	5.446357306	6.229740271	5.819576988
DYNC1LI1	ENSG00000144635.8	6.299565333	5.162628448	5.933276462
IFI6	ENSG00000126709.14	5.334202444	7.621610086	6.02365621
TMEM115	ENSG00000126062.3	6.343729197	6.123618233	5.748932078
JAGN1	ENSG00000171135.13	6.473717186	5.905087313	5.233092819
STRN4	ENSG00000090372.14	6.635892556	5.272456901	6.593382859
UFM1	ENSG00000120686.11	5.418098534	6.498650287	5.900209144
PREB	ENSG00000138073.13	6.200166047	6.115151751	5.192358832
ZBTB8OS	ENSG00000176261.15	5.580534107	5.621977501	5.104835214
NAT10	ENSG00000135372.8	6.381329577	5.653847772	5.540323434
GALNT1	ENSG00000141429.13	5.291383377	6.752288447	5.846433688
RMDN3	ENSG00000137824.15	5.730178655	5.503998374	5.126184151
SRCAP	ENSG00000080603.16	6.738119537	5.403620436	5.445496568
MEPCE	ENSG00000146834.13	6.626101593	5.697171966	5.111618457
EGLN2	ENSG00000269858.5	5.450392397	6.389809325	5.77456213
DRG1	ENSG00000185721.12	6.147400757	6.792453356	6.778187047
ADAM15	ENSG00000143537.13	6.53006763	5.962070518	5.413566941
OGT	ENSG00000147162.13	6.363188598	5.974246714	6.25002531
METAP1	ENSG00000164024.11	6.158321331	5.077488236	5.204346132
SRP19	ENSG00000153037.13	5.976757507	5.556997219	5.137992812
TRMU	ENSG00000100416.12	5.737217145	5.745881917	5.853396417
SBNO2	ENSG00000064932.15	6.085343346	6.067087671	5.215399012
PERP	ENSG00000112378.11	5.760127093	6.436224734	6.003215838
RRP7A	ENSG00000189306.10	5.255321415	5.464678921	5.395024914
PI4KA	ENSG00000241973.10	5.295289756	5.451181923	6.66376747
ATXN7L3	ENSG00000087152.15	6.494676969	5.92457683	6.227034827
ZNF24	ENSG00000172466.15	5.608319953	6.120083947	5.997801757
IFRD2	ENSG00000214706.10	7.028513589	6.418877187	5.163029
GRIPAP1	ENSG00000068400.13	5.681326143	5.191499652	5.199283821
RBMS1	ENSG00000153250.19	5.17786059	6.842213497	6.08540258
PIGU	ENSG00000101464.10	5.53156403	5.086561583	5.876027503
POLR3C	ENSG00000186141.8	6.38884707	5.664325742	5.46681572
DONSON	ENSG00000159147.17	5.332649092	5.337299091	5.152005439
YY1AP1	ENSG00000163374.19	6.034473041	5.773134084	5.134688123
GTF2E2	ENSG00000197265.8	5.537494219	5.498651147	5.330310895
TSPAN3	ENSG00000140391.14	5.944422818	7.062194915	7.092855517
MICU2	ENSG00000165487.13	6.167223597	5.317915111	5.238004295
TSTA3	ENSG00000104522.15	6.114772113	5.601528188	6.139130453
TARDBP	ENSG00000120948.16	6.299874473	6.312014297	5.696754874
FAM20B	ENSG00000116199.11	6.370540445	5.18416595	5.564454224
NSD3	ENSG00000147548.16	5.209594886	5.36787247	5.512591439
MRPL36	ENSG00000171421.12	5.960117814	6.694035741	5.332060311
MYO5A	ENSG00000197535.14	5.219276292	6.663894566	8.534088742
ASL	ENSG00000126522.16	5.272121591	6.205733722	5.117497384
NDUFS7	ENSG00000115286.19	5.425470336	5.217023975	6.059711395
HEXIM1	ENSG00000186834.3	6.306635064	6.245562994	5.403741946

KLF6	ENSG00000067082.14	5.136338374	5.923724338	6.019743852
DOCK7	ENSG00000116641.17	5.431347023	6.049592233	5.9100904
AGBL5	ENSG00000084693.15	5.403866684	5.595296705	5.581415176
IGBP1	ENSG00000089289.15	6.192572965	6.157069217	5.734280413
PCGF2	ENSG00000277258.4	5.811954622	5.739834868	5.89940904
SCP2	ENSG00000116171.17	5.701311562	5.924221514	5.480666823
ICAM1	ENSG00000090339.8	5.914900827	5.960176383	7.250617038
TACC3	ENSG00000013810.18	6.865887697	5.230557629	6.187322266
IRAK1	ENSG00000184216.13	7.149074974	6.097495316	5.954224788
BCL7B	ENSG00000106635.7	5.996264872	5.975357471	5.081672443
MRFAP1L1	ENSG00000178988.10	6.430084335	5.151341999	7.322360637
ANP32E	ENSG00000143401.14	7.579280098	6.323791153	5.108957384
COX11	ENSG00000166260.11	5.977410744	6.134198966	6.251058857
HSPB11	ENSG00000081870.11	6.094073289	5.637875117	5.087639549
UBP1	ENSG00000153560.11	6.313930201	6.176595974	5.248929055
PPP1R15B	ENSG00000158615.8	6.633807821	5.404723786	5.188567069
ZNF655	ENSG00000197343.10	5.72046937	6.062922977	5.748213321
RB1	ENSG00000139687.13	6.500541992	6.158457675	5.112193028
WDR45B	ENSG00000141580.15	5.431604098	6.222161134	6.410934408
MRTO4	ENSG00000053372.4	7.008641336	6.370192772	5.258197416
ARHGAP21	ENSG00000107863.17	5.243816007	6.179091133	5.730441792
SRPK1	ENSG00000096063.15	5.861617463	5.375539763	5.689691919
PKN1	ENSG00000123143.12	6.866393411	6.818867724	6.875475784
ATRX	ENSG00000085224.21	5.613366011	5.766493304	5.308165117
CPSF4	ENSG00000160917.14	5.424552103	6.239255402	5.504336248
SLC39A1	ENSG00000143570.17	7.596757564	6.403851856	5.428422472
RNF220	ENSG00000187147.17	6.036162185	5.852257881	5.688865222
PDP1	ENSG00000164951.15	6.50560143	5.545428308	5.715517196
TMUB1	ENSG00000164897.12	5.881748457	6.218716419	6.231291359
TMX4	ENSG00000125827.8	6.676903625	5.101937441	5.226426194
PARVA	ENSG00000197702.11	5.073994512	5.282729868	6.451022531
MADD	ENSG00000110514.19	5.957124309	5.22426444	6.40430511
CETN2	ENSG00000147400.8	5.339048123	5.636113569	5.07869788
TBX2	ENSG00000121068.13	5.367511939	6.786168124	5.260389454
CLK3	ENSG00000179335.18	5.854811037	6.089519375	5.643567543
DUSP10	ENSG00000143507.17	6.077408729	6.387482352	5.252856407
CYB5R1	ENSG00000159348.12	5.171987185	5.987360769	5.662924322
ALG5	ENSG00000120697.8	6.190749552	5.433234967	5.108262355
HLTF	ENSG00000071794.15	5.077701491	5.414787978	5.418951668
RRS1	ENSG00000179041.3	7.060931244	5.948979798	5.189060691
CKS1B	ENSG00000173207.12	7.192759928	6.358744163	5.192910456
PGLS	ENSG00000130313.6	6.930710811	6.570429507	6.248662916
GAS2L3	ENSG00000139354.10	5.084410709	5.522371007	5.752362888
DNAJC21	ENSG00000168724.14	5.581058091	5.481500815	6.04450068
ANKRD54	ENSG00000100124.14	5.93734068	5.776235503	5.458190209
SERPINB6	ENSG00000124570.17	6.508927699	6.26433455	6.83557941

LSM1	ENSG00000175324.9	5.36726068	5.567424674	5.353985454
TAOK2	ENSG00000149930.17	5.103647438	5.242312792	5.085122963
NUP85	ENSG00000125450.10	5.610443697	5.590643033	5.143537656
GPAT4	ENSG00000158669.11	5.204501412	8.306725917	7.233437833
VPS26A	ENSG00000122958.14	5.741629522	5.353628085	6.276946254
GTF2A2	ENSG00000140307.10	6.497074745	6.39452456	5.849628117
DDIT4	ENSG00000168209.4	8.287816799	7.0248818	7.349368438
HBP1	ENSG00000105856.13	5.689491277	6.08580206	5.375652785
EXOSC4	ENSG00000178896.8	6.920977306	6.474009928	5.124888594
TOR1AIP2	ENSG00000169905.12	6.836084163	5.705127384	5.191765064
BTBD2	ENSG00000133243.8	5.866735249	7.083764963	5.055796639
ZC3HC1	ENSG00000091732.15	5.432824924	5.644484892	5.103613394
ARHGEF12	ENSG00000196914.8	5.841526652	5.032844857	6.351959468
MMP17	ENSG00000198598.6	5.077959052	6.226825153	10.12107761
OTUD5	ENSG00000068308.13	6.146471003	5.697883483	5.704530412
GAR1	ENSG00000109534.16	6.677389463	5.223596217	5.107938431
LTA4H	ENSG00000111144.9	6.888213315	6.71260859	5.150050809
PRRC1	ENSG00000164244.20	5.186349402	5.836213071	5.263203027
MICU1	ENSG00000107745.18	5.555168747	5.093358235	5.688433253
PLSCR1	ENSG00000188313.12	5.120152923	7.550375792	5.420979875
RFC4	ENSG00000163918.10	5.624670356	5.402087131	5.269738075
FASTKD2	ENSG00000118246.13	5.490453158	6.158872385	5.066534515
ELMO2	ENSG00000062598.17	5.472081002	5.446080564	5.29618053
HIP1	ENSG00000127946.16	5.847651999	5.832567474	5.346553561
MAGT1	ENSG00000102158.19	5.076822914	5.568108819	5.274839304
UBR5	ENSG00000104517.12	5.94524871	5.878419967	6.797173728
CAPZA2	ENSG00000198898.13	5.295322244	6.310716569	5.878775689
NUCB2	ENSG00000070081.15	5.112881231	5.629714005	5.975863991
C16orf58	ENSG00000140688.16	5.516833323	5.698984059	5.192485316
MBTPS1	ENSG00000140943.16	6.663172646	6.374473549	5.942416642
RBM17	ENSG00000134453.15	6.113530299	5.74253108	5.560646502
UGCG	ENSG00000148154.9	5.466929031	7.740783434	8.198177561
DAB2	ENSG00000153071.14	5.166197201	7.540108194	6.149238467
PTPRJ	ENSG00000149177.12	5.74903685	6.070392414	6.270640091
BROX	ENSG00000162819.11	6.427533881	5.059225371	5.38470546
RFC5	ENSG00000111445.13	6.119191663	5.132495113	5.269157141
TXNL4A	ENSG00000141759.14	5.397497797	6.486361769	5.449472386
IFRD1	ENSG00000006652.13	5.529472817	6.569738383	6.877766772
IL13RA1	ENSG00000131724.10	5.033855933	6.151160657	5.240418675
STYXL1	ENSG00000127952.16	5.103247863	6.02603454	5.943673373
CCDC58	ENSG00000160124.9	6.476939803	5.840463045	5.220489047
CENPU	ENSG00000151725.11	6.772449253	5.099822537	5.301733167
ARHGEF11	ENSG00000132694.18	6.035640073	6.227984282	5.036156992
IMPA1	ENSG00000133731.9	5.794445278	5.458808657	5.944827965
ABHD2	ENSG00000140526.17	6.143023238	5.758542243	9.414371594
TMX1	ENSG00000139921.12	5.824538093	5.332459406	5.323372145

UCHL3	ENSG00000118939.17	5.84342576	5.272226596	5.173433665
RNF26	ENSG00000173456.4	6.411498085	5.068332912	5.3095303
COASY	ENSG00000068120.14	7.203335652	6.499257768	6.528684078
SMC3	ENSG00000108055.9	7.254595789	5.428398568	5.906805828
SRXN1	ENSG00000271303.1	6.167108984	6.163830264	5.112044346
SCYL2	ENSG00000136021.18	5.33306721	5.358462685	5.325077036
AAK1	ENSG00000115977.18	5.626256797	6.248189296	6.429378763
ECD	ENSG00000122882.10	5.620504111	5.302443334	5.454271626
RIF1	ENSG00000080345.17	5.329431386	5.602319727	5.046799233
NSDHL	ENSG00000147383.10	5.218950147	6.153982291	5.100877112
RINT1	ENSG00000135249.7	5.7117418	6.387225397	5.071077607
ANKRD11	ENSG00000167522.14	6.407071942	6.471731579	6.909427111
TNIP1	ENSG00000145901.14	5.848941655	5.200371629	5.985357139
HDAC3	ENSG00000171720.9	6.144698791	5.240575306	5.945206071
RAI14	ENSG00000039560.13	5.374017336	6.175409951	5.024537913
RPS6KB2	ENSG00000175634.14	6.271104742	5.105808285	5.926898608
COA1	ENSG00000106603.18	6.188257387	6.082912409	5.685315836
CDK5RAP1	ENSG00000101391.20	5.30760098	5.466900708	5.047916808
RING1	ENSG00000204227.4	5.502220859	5.639676473	5.861707567
YTHDC1	ENSG00000083896.12	5.612200393	5.381123694	5.36707388
GOT1	ENSG00000120053.10	6.273949816	5.770937785	8.241838827
KPNA4	ENSG00000186432.8	5.286838469	5.541777176	5.016234141
LITAF	ENSG00000189067.12	5.513170997	7.171451374	8.39521557
LARP7	ENSG00000174720.15	5.369108511	5.081072614	5.298881778
MRPS6	ENSG00000243927.5	6.656225042	5.169488759	7.215915865
TXNDC9	ENSG00000115514.11	5.81358078	6.442523958	5.066530653
MVP	ENSG00000013364.18	6.218462537	5.716294286	6.836390085
MPC2	ENSG00000143158.10	5.667501696	5.750043777	5.621042268
MCCC1	ENSG00000078070.12	5.076832947	5.661798538	5.081771884
VPS51	ENSG00000149823.8	5.707438495	5.335448632	6.012632832
ORMDL1	ENSG00000128699.13	5.166525231	5.952039652	5.699956489
PDCD10	ENSG00000114209.14	5.746731759	6.138717384	6.323279723
ZNF768	ENSG00000169957.9	5.749312862	5.489487559	5.974511378
NF1	ENSG00000196712.17	5.635589934	5.794516282	5.81812573
VIRMA	ENSG00000164944.11	6.277297671	5.401247898	5.299251319
NCAPH2	ENSG00000025770.18	5.573194285	5.678987993	6.219903242
MRPL46	ENSG00000259494.1	5.758634007	5.430273115	5.142378757
ATG13	ENSG00000175224.16	6.383993512	6.664400221	6.56909607
EIF5	ENSG00000100664.10	5.945399644	6.459098375	5.457189889
SEL1L	ENSG00000071537.13	5.243584655	5.432392508	7.347361677
PACS1	ENSG00000175115.11	5.062531493	6.158454047	5.169754831
MIR4435-2HG	ENSG00000172965.14	5.502380856	6.439260752	5.132315301
B4GAT1	ENSG00000174684.6	5.247097923	5.52753714	5.712167791
NOTCH2	ENSG00000134250.19	6.543525275	5.677628285	5.553766089
RTL8C	ENSG00000134590.13	5.334544276	7.322757289	6.793795046
RNF126	ENSG00000070423.17	5.722100157	6.326480026	5.131006158

CUL3	ENSG00000036257.12	5.831050257	5.824765987	6.676143862
DHX16	ENSG00000204560.9	6.047195763	6.196934201	5.601914841
CHPF2	ENSG00000033100.16	5.310463778	6.829315454	5.243529101
DAXX	ENSG00000204209.11	6.088743632	5.622621267	5.555989188
IREB2	ENSG00000136381.12	6.235006995	5.578207463	5.038905826
NUPL2	ENSG00000136243.16	5.499299757	6.022796515	5.461304967
FAM104A	ENSG00000133193.12	5.180653642	5.376143754	5.547804762
TMEM184B	ENSG00000198792.12	5.172604732	6.275519598	6.08067458
SNRPA1	ENSG00000131876.16	6.9684732	6.38858523	5.13020585
EML3	ENSG00000149499.11	5.966344903	5.404146673	5.97919797
SPNS1	ENSG00000169682.17	5.418776639	5.664584711	5.218096709
SLC37A3	ENSG00000157800.17	6.071419885	6.676015749	6.060483648
AAR2	ENSG00000131043.11	6.275400587	5.059732323	5.720728602
DNAAF5	ENSG00000164818.15	5.67138085	5.761609681	5.041775066
ANKHD1	ENSG00000131503.20	5.562052048	5.282204233	5.679430824
GRB2	ENSG00000177885.13	5.123625979	5.298318485	6.110470467
ISOC2	ENSG00000063241.7	5.561352546	5.584769087	6.094456639
NUP88	ENSG00000108559.11	6.80627186	5.328599246	5.125392985
MRPL23	ENSG00000214026.10	6.011592573	6.533027889	5.148666653
SIGMAR1	ENSG00000147955.16	7.339902714	6.347116992	5.192845834
INTS14	ENSG00000138614.14	5.890172531	5.836994955	5.232923246
SGCE	ENSG00000127990.15	5.055151136	6.427650192	5.54748445
MARCH6	ENSG00000145495.15	6.37729044	6.018870804	6.258423914
DPF2	ENSG00000133884.9	5.926274652	5.387163596	5.535479946
EEF1E1	ENSG00000124802.11	5.967498824	5.564590446	5.525709846
TOP1MT	ENSG00000184428.12	5.69254994	5.088391945	5.273173894
MRPS25	ENSG00000131368.7	5.69285169	6.21978187	5.36840028
WAC	ENSG00000095787.21	6.411195172	5.329169752	6.632127111
MPHOSPH8	ENSG00000196199.13	5.836979162	5.563303964	5.524153405
KIF2A	ENSG00000068796.16	6.230094118	5.086742269	5.735796537
UBE2Z	ENSG00000159202.17	5.133347908	5.723728095	5.624207537
ZNF330	ENSG00000109445.10	5.370411155	5.495847432	5.289325571
NUDT22	ENSG00000149761.8	5.857422658	5.701486682	6.282800411
TMPO	ENSG00000120802.13	7.347910474	6.175333246	5.021477265
GMNN	ENSG00000112312.9	5.994097657	5.403736659	5.468645677
PSMG3	ENSG00000157778.8	6.413546492	6.96382206	5.036264817
USP12	ENSG00000152484.13	5.005276707	5.061611554	5.819438944
ACSL1	ENSG00000151726.13	5.225696199	6.55600045	8.070212968
SLC25A46	ENSG00000164209.16	5.75456637	5.204647932	4.992970645
UXS1	ENSG00000115652.14	6.199616555	6.078384529	6.31901688
MCOLN1	ENSG00000090674.15	5.040196153	5.298865851	5.188238568
KIFC1	ENSG00000237649.7	6.162483724	5.295900407	5.020707102
MAP2K3	ENSG00000034152.18	6.643664717	5.561798928	5.136990415
DHDDS	ENSG00000117682.16	5.290561576	6.136865205	5.104043294
PYGO2	ENSG00000163348.3	6.261853506	5.680289785	4.985868545
RAD51C	ENSG00000108384.14	5.082355193	5.126843762	5.287119344

C5orf51	ENSG00000205765.8	5.509889221	6.002163837	5.928592886
SMARCB1	ENSG00000099956.18	6.427827629	5.826698382	6.211472601
UBE4A	ENSG00000110344.9	5.836758426	5.268485969	5.780159102
GTF2F2	ENSG00000188342.11	5.815516496	5.450349582	5.028377958
SREBF1	ENSG00000072310.16	7.396805756	5.124503931	5.064399707
SNRNP25	ENSG00000161981.10	5.827480368	5.137006317	5.426595942
SEC23B	ENSG00000101310.14	6.441937643	6.369084058	4.989954876
CTPS1	ENSG00000171793.13	7.061973033	5.532454155	5.1555103
MCMBP	ENSG00000197771.12	6.670620474	5.177295861	5.561158562
PPP1R35	ENSG00000160813.6	5.62015279	5.899722753	5.05194358
RAB35	ENSG00000111737.11	5.818413505	5.023044014	6.363383818
LCMT1	ENSG00000205629.11	5.684372521	5.242783779	5.833356044
RANBP3	ENSG00000031823.14	5.882264223	5.411369703	6.306141022
ZBTB7A	ENSG00000178951.8	5.50627268	5.88993048	5.601717511
C14orf2	ENSG00000156411.9	6.50223637	7.243523869	5.059232557
GLMP	ENSG00000198715.11	6.457199891	7.528420887	5.240361754
GBA2	ENSG00000070610.14	5.815831834	5.450714248	5.965247932
SEC24A	ENSG00000113615.12	5.632442146	5.162531821	5.073239012
THEM4	ENSG00000159445.12	6.21867997	5.683195475	5.403856709
C5orf22	ENSG00000082213.17	5.748768755	6.239472171	5.702599639
ORAI1	ENSG00000276045.2	5.493623424	5.236816253	5.032647818
DBN1	ENSG00000113758.13	5.824081313	5.879782463	6.371820626
TIMM17B	ENSG00000126768.12	6.293790534	5.368371166	5.668825818
PEPD	ENSG00000124299.13	5.918701884	7.53012979	5.234418971
RBM14	ENSG00000239306.4	5.948678437	5.241827601	5.110907662
FBXL5	ENSG00000118564.14	5.695252434	5.133757062	7.633979143
TSC22D4	ENSG00000166925.8	5.364818198	6.522811105	6.055287167
NDUFB6	ENSG00000165264.10	6.510786896	5.490338842	5.089198734
TNFRSF19	ENSG00000127863.15	6.668593114	6.91681764	5.223100271
KIAA0907	ENSG00000132680.10	6.257329987	5.719795347	5.17543047
PUM1	ENSG00000134644.15	5.855819218	5.461795402	5.196774304
WDR34	ENSG00000119333.11	6.981953801	6.17314104	5.034305906
PTPN18	ENSG00000072135.12	5.074149607	5.909023318	6.746567076
CCDC14	ENSG00000175455.14	5.308422542	5.307900554	5.306051986
NCOA6	ENSG00000198646.13	5.242161521	5.177373645	5.632668141
FAM136A	ENSG00000035141.7	6.352823682	6.152738427	5.101874649
PYCR1	ENSG00000183010.16	6.042436264	6.787932212	6.639902068
ASAH1	ENSG00000104763.18	4.999091024	7.557618812	8.906240088
ABL2	ENSG00000143322.19	5.508894076	5.027368489	5.699014804
ARMC9	ENSG00000135931.17	5.094196425	6.710823725	5.387018775
EIF2B4	ENSG00000115211.15	5.940237078	5.601698883	5.064510882
TRAPPC2L	ENSG00000167515.10	5.231388717	5.81164919	5.102035754
MAGI2-AS3	ENSG00000234456.7	5.049794756	5.884211362	5.981531956
YRDC	ENSG00000196449.3	6.341716877	5.167431617	5.358145212
SLC26A6	ENSG00000225697.12	5.121410049	5.631086418	4.994830835
LSM4	ENSG00000130520.10	7.987553202	6.046663468	6.889484205

RBL2	ENSG00000103479.15	5.743449502	4.973132584	6.024288405
UTP14A	ENSG00000156697.12	6.791610906	5.262425704	5.012075097
TPRKB	ENSG00000144034.14	6.853245098	6.111567665	4.977302354
BCAR1	ENSG00000050820.16	5.133510261	5.458539013	5.493086049
FMN1	ENSG00000248905.8	4.969863889	8.258599919	8.265546932
THUMPD3	ENSG00000134077.15	5.382829672	5.265409301	5.084651676
NT5DC2	ENSG00000168268.10	6.767931992	6.293750054	5.008247813
RSRC2	ENSG00000111011.17	5.578884437	5.02509737	5.990694766
EIF2D	ENSG00000143486.15	6.70209739	5.009509402	5.860966936
CYB5B	ENSG00000103018.16	5.388609193	5.334962178	5.881715102
SBDSP1	ENSG00000225648.5	5.314526992	6.213151371	5.282006085
DESI1	ENSG00000100418.7	5.641518777	5.022926324	5.115056095
ZDHHC3	ENSG00000163812.13	5.698128655	5.735533253	5.01426159
MAN2B1	ENSG00000104774.12	6.138831654	5.828167064	6.60803821
CFAP36	ENSG00000163001.11	5.802981988	5.372720551	5.894149786
KANK1	ENSG00000107104.18	6.326215614	6.096568789	8.557461616
DSCR3	ENSG00000157538.13	5.072217782	5.714445301	6.562888299
ARL8A	ENSG00000143862.7	5.092285949	5.782488373	5.984918396
SKI	ENSG00000157933.9	6.003800186	5.626520583	5.258331931
PIGG	ENSG00000174227.15	5.908254344	5.032351401	6.247187467
VPS16	ENSG00000215305.9	5.761272089	5.409049277	5.012471658
DPM2	ENSG00000136908.17	6.649818009	6.389434699	5.494711987
BLOC1S2	ENSG00000196072.11	6.168601077	6.528568712	5.212227026
COPG2	ENSG00000158623.14	5.536374886	5.045777036	5.55065565
RNASEH2A	ENSG00000104889.5	7.106599795	5.150853255	5.117189068
PLEKHA5	ENSG00000052126.14	5.058951218	7.51696532	6.277326877
DBNL	ENSG00000136279.20	6.221268866	6.521613641	5.906246908
ECT2	ENSG00000114346.13	5.917796058	5.408034688	5.05735505
RNF6	ENSG00000127870.16	5.507234799	5.794236244	5.852988224
POLR2H	ENSG00000163882.9	6.511444168	6.110060822	5.075050557
VPS52	ENSG00000223501.8	5.252900828	5.161616593	5.138209516
LETM1	ENSG00000168924.14	6.417656666	4.95976078	6.4726849
GTF3C3	ENSG00000119041.10	5.150675658	5.990007441	5.749182743
DHPS	ENSG00000095059.15	6.575254681	5.275921741	5.940319654
COA5	ENSG00000183513.8	5.037790572	5.570957685	5.40946858
XAB2	ENSG00000076924.11	6.075204439	5.605782045	5.22751987
CPSF6	ENSG00000111605.16	6.01888226	5.50521727	5.642318172
RRN3	ENSG00000085721.12	5.966158271	5.179794227	5.714539116
GGA1	ENSG00000100083.18	5.318130343	6.612081176	7.626153797
MRGBP	ENSG00000101189.6	5.730195985	4.970984777	5.291762787
LENG8	ENSG00000167615.16	5.689747196	5.592888795	5.887788347
NAA60	ENSG00000122390.17	5.891005365	5.26702975	5.498349188
ATL3	ENSG00000184743.12	5.134418299	5.102140041	5.198283545
SP100	ENSG00000067066.16	4.976562592	5.774972319	6.043833955
EPS15	ENSG00000085832.16	5.708334059	5.425000705	5.466442491
ACTR1B	ENSG00000115073.7	6.023111867	5.301528677	4.969500431

WDR77	ENSG00000116455.13	6.456201618	5.92371472	5.011431131
MRPL58	ENSG00000167862.9	6.030551064	5.281680997	5.764710411
SEMA4C	ENSG00000168758.10	5.400625814	7.001767322	8.568967119
ACBD6	ENSG00000230124.6	5.962732354	5.146684719	5.306134366
SNX19	ENSG00000120451.10	5.07529148	5.140483419	5.940522818
PTGR1	ENSG00000106853.18	5.098133143	6.736526563	5.056637784
RPTOR	ENSG00000141564.13	5.291228324	5.508413214	5.855737578
PDCD7	ENSG00000090470.14	5.894410323	5.641816061	5.13869667
DCUN1D5	ENSG00000137692.11	6.618736186	5.073800119	5.576377871
RTCA	ENSG00000137996.12	5.947854773	5.665862698	5.565524912
PIK3CB	ENSG00000051382.8	6.023020532	6.253346046	5.98850326
ARL1	ENSG00000120805.13	5.55448892	6.016225749	5.051375488
GNPAT	ENSG00000116906.11	6.101544764	4.95384154	5.608742258
PDXP	ENSG00000241360.1	5.290246272	4.962357544	5.135562513
METTL26	ENSG00000130731.15	6.473134287	5.531835897	5.32798208
GNPTAB	ENSG00000111670.14	5.718679636	7.113608273	7.20888618
SLC29A1	ENSG00000112759.16	5.09768637	5.18534041	6.594721714
USP34	ENSG00000115464.14	6.274267135	5.997184145	5.641881037
NDST1	ENSG00000070614.14	6.172878407	6.488261592	6.898645776
GIT1	ENSG00000108262.15	6.16079088	6.565266407	6.51294676
DST	ENSG00000151914.19	4.963558558	6.190304776	5.382082825
CNPPD1	ENSG00000115649.15	5.01750103	5.529365912	6.112880425
TMEM131	ENSG00000075568.16	4.991596293	5.899399847	6.346787216
NCDN	ENSG00000020129.15	6.195854133	5.856684602	4.993255943
SAR1B	ENSG00000152700.13	5.674765631	5.742734052	5.533397756
TMCO3	ENSG00000150403.17	5.325244488	5.308056595	5.4466204
AL390728.4	ENSG00000227671.4	5.799783643	5.07655925	5.536698882
SEC23IP	ENSG00000107651.12	6.437979193	5.132989746	5.532597593
UBE2G1	ENSG00000132388.12	5.795436446	5.002591529	5.039014558
PMP22	ENSG00000109099.13	7.831205779	6.528353194	5.136223499
DYNLT1	ENSG00000146425.10	6.79976121	5.24900416	5.052464751
SKAP2	ENSG00000005020.12	4.92698858	6.009957995	6.153454933
HNRNPA0	ENSG00000177733.6	6.250165334	5.455842079	5.230563598
SNX6	ENSG00000129515.18	5.544391216	5.569052102	6.357698761
HMOX2	ENSG00000103415.11	6.323053505	6.24960354	6.410895021
AIDA	ENSG00000186063.12	5.494522488	5.035215047	5.14276822
FAM208A	ENSG00000163946.13	6.119283528	5.66475596	4.937839092
AKIRIN1	ENSG00000174574.15	6.078932409	5.980734989	5.904627812
MED4	ENSG00000136146.14	5.837204032	5.365786609	4.997585476
TFE3	ENSG00000068323.16	5.735880086	5.205795532	5.256093638
TBC1D14	ENSG00000132405.18	6.85500819	5.993272053	9.190285477
MRPS35	ENSG00000061794.12	6.584252573	6.322676961	5.190126051
GTF3C2	ENSG00000115207.13	6.335688407	6.291515855	4.979408543
UROS	ENSG00000188690.12	5.914715311	5.612536333	5.062760005
MAEA	ENSG00000090316.15	5.834495567	5.300655986	6.222097234
PITHD1	ENSG00000057757.9	5.893492261	5.370135186	5.097631763

TTC17	ENSG00000052841.14	5.956050575	5.524392789	6.137641396
PLTP	ENSG00000100979.14	6.328664347	6.883085092	5.217215898
SIRT2	ENSG00000068903.19	4.958321119	5.137534919	5.905667647
AK3	ENSG00000147853.16	5.190746775	5.535200936	5.372805119
TMEM209	ENSG00000146842.16	5.39934576	5.147006272	5.970879871
XPNPEP1	ENSG00000108039.17	6.516512974	5.516844402	6.969187033
ATG12	ENSG00000145782.12	5.157664789	5.530158033	6.249624246
POLE4	ENSG00000115350.11	5.236540964	5.623822585	5.045695535
PPCS	ENSG00000127125.8	5.299590845	5.27895191	5.847474952
RMDN1	ENSG00000176623.11	5.757226841	5.187963032	5.170172906
BNIP3L	ENSG00000104765.15	5.042524977	5.687390287	5.603795648
NAA15	ENSG00000164134.12	6.111966011	5.215552543	5.176868727
UAP1	ENSG00000117143.13	6.912163765	5.654720779	5.030282958
HAGH	ENSG00000063854.12	5.09684352	5.389999857	6.569511288
RALA	ENSG00000006451.7	5.87952234	6.240465856	5.682209766
PPP1R10	ENSG00000204569.9	6.041109977	5.835127428	4.955045397
NEK6	ENSG00000119408.16	5.448126156	6.185557904	5.128508858
CDK5	ENSG00000164885.12	6.017150354	6.353651985	5.00687378
NABP2	ENSG00000139579.12	7.107438772	6.065806116	5.854354345
MED10	ENSG00000133398.3	6.231387165	6.435760061	4.99661973
RNF20	ENSG00000155827.11	6.441711744	6.257490278	4.942914652
SMAP2	ENSG00000084070.11	6.159254247	5.057859512	5.493118264
SASH1	ENSG00000111961.17	5.117708124	4.932317773	6.348260914
MBTPS2	ENSG00000012174.11	5.490487798	4.903580644	5.449647373
CUEDC2	ENSG00000107874.10	5.799294681	4.975305716	5.38230175
NT5C3A	ENSG00000122643.18	5.16053033	5.694730846	7.450347754
AASDHPPT	ENSG00000149313.10	6.24343611	5.447242443	6.014119808
SLC52A2	ENSG00000185803.8	6.190583825	5.951384086	5.247961704
UTP6	ENSG00000108651.9	6.52631352	5.996788487	5.554124778
MRPL53	ENSG00000204822.6	6.467779347	5.830767869	4.986142932
GPATCH11	ENSG00000152133.14	4.932972858	5.299921401	5.193559515
RBM26	ENSG00000139746.15	6.127190461	5.220327125	4.949540359
MTFR1	ENSG00000066855.15	5.83292514	5.335472139	5.41247623
CWC15	ENSG00000150316.11	5.757287427	5.028862462	6.371824369
CLASRP	ENSG00000104859.14	5.855441608	5.137197739	5.755757797
MKI67	ENSG00000148773.13	7.060001502	5.064356999	5.144118724
MAFG	ENSG00000197063.10	5.272632367	5.787481684	6.659999952
ADAM10	ENSG00000137845.14	5.790306156	6.467009496	6.173908635
ZMYND19	ENSG00000165724.5	6.11320358	6.144547947	4.958942047
SCFD1	ENSG00000092108.20	5.549661571	5.644591346	5.47472125
FYN	ENSG00000010810.17	5.367530791	6.629722335	5.734283779
BLVRB	ENSG00000090013.9	4.940944869	6.574312961	6.27835859
FAM114A1	ENSG00000197712.11	4.956305981	5.162041498	7.875803806
CIAPIN1	ENSG00000005194.14	6.217866487	4.911764394	4.957034366
CLTB	ENSG00000175416.12	6.026888531	5.117678395	5.539128623
ZDHHC16	ENSG00000171307.18	6.386473246	5.354221006	4.9758319

PPIE	ENSG00000084072.16	6.514183081	5.364926169	4.977982919
OSTM1	ENSG00000081087.14	4.899683604	6.830772898	6.684767454
SREK1	ENSG00000153914.15	5.941935207	5.095143726	5.599746824
RNF149	ENSG00000163162.8	4.902600844	6.158215922	5.343445598
MED13	ENSG00000108510.9	5.275069857	5.309674138	5.55226211
SUN2	ENSG00000100242.15	5.582027449	5.346670187	5.768872715
JKAMP	ENSG00000050130.17	5.009381346	5.315095749	5.258070023
WDR5	ENSG00000196363.9	6.286888817	6.107167469	5.105760418
EZH2	ENSG00000106462.10	5.953939307	4.932650374	5.219107275
KCTD5	ENSG00000167977.8	5.853933802	5.529422831	5.379195628
GPLOW	ENSG00000068394.10	5.465278194	5.346835061	5.107093283
NUBP2	ENSG00000095906.16	6.632694278	5.784513786	6.068505337
PIP5K1C	ENSG00000186111.9	5.21639819	5.832571958	4.907178056
KMT5A	ENSG00000183955.12	6.605341289	5.122794505	6.281191143
MYO1B	ENSG00000128641.18	4.960727597	5.840474033	5.062591239
INSIG1	ENSG00000186480.12	4.95430866	5.448652368	5.405770983
TANC1	ENSG00000115183.14	4.913273131	6.118798694	6.459804865
WDR11	ENSG00000120008.15	5.608803328	5.367553241	5.765876898
RGL2	ENSG00000237441.9	4.956001108	5.033037061	6.365646226
KAT2A	ENSG00000108773.10	5.696276205	6.260382208	5.729703579
CNOT2	ENSG00000111596.11	5.867437293	5.075729794	5.62949146
NDEL1	ENSG00000166579.15	5.3477752	5.199475128	5.690425757
GRB10	ENSG00000106070.17	5.187797435	6.86885546	7.116041201
LPXN	ENSG00000110031.12	5.771808519	6.194838835	8.089983977
ERBIN	ENSG00000112851.14	5.309718534	5.347598613	6.224346962
C9orf16	ENSG00000171159.4	6.404022155	6.475833062	5.627917312
EHMT1	ENSG00000181090.20	5.827949497	5.893382613	5.319619218
SPCS2	ENSG00000118363.11	5.678833634	5.591773103	5.407308988
TSR2	ENSG00000158526.7	5.127933125	6.264781555	5.513526175
GPR107	ENSG00000148358.19	5.297022049	6.687726178	4.91458704
GNL1	ENSG00000204590.12	4.988342768	5.095300785	5.520171316
HOMER3	ENSG00000051128.18	5.806090408	5.802389814	5.417059282
PPP2R5C	ENSG00000078304.19	6.203194433	6.310070172	4.902679609
TMEM141	ENSG00000244187.7	6.094638359	6.213949986	6.980103294
ITGB5	ENSG00000082781.11	7.445861635	6.605623393	5.067996354
DDX55	ENSG00000111364.15	6.009841996	5.380815164	4.954614708
SPRY4	ENSG00000187678.8	7.843399856	5.301880898	9.147919933
EHBP1	ENSG00000115504.14	6.389327132	5.767932339	6.291823857
LPIN1	ENSG00000134324.11	4.921588812	6.159840757	5.441386864
TAF11	ENSG00000064995.16	5.506174145	4.957311728	5.017984714
TRIM26	ENSG00000234127.8	4.895842989	4.994857731	5.587927967
LEF1	ENSG00000138795.9	6.02429094	5.764047572	6.406603454
POLR2M	ENSG00000255529.7	5.055704108	5.394377609	5.692145829
STARD3	ENSG00000131748.15	5.526312448	5.483661527	5.930609837
VPS28	ENSG00000160948.13	5.344130881	5.667951696	5.911744168
THAP5	ENSG00000177683.13	5.297135095	5.033209323	4.920464214

EXOSC1	ENSG00000171311.12	6.406230777	5.428468378	5.494229174
TMEM101	ENSG00000091947.9	5.422102335	6.149185873	5.62707212
PRIM1	ENSG00000198056.13	6.277097681	5.008215467	4.994933661
RABAC1	ENSG00000105404.10	5.435684161	7.987640259	5.102445913
CCDC85B	ENSG00000175602.3	7.080071688	5.784439734	5.01163496
PDCL3	ENSG00000115539.13	5.384715751	5.956080576	4.926000208
PTDSS2	ENSG00000174915.11	5.102566659	6.221373395	5.507530473
PPM1F	ENSG00000100034.13	5.494391196	5.460077538	5.222708307
E2F1	ENSG00000101412.12	5.854119585	4.889675178	5.851927882
SUPT7L	ENSG00000119760.15	4.992223967	5.420098725	5.030656625
TMEM138	ENSG00000149483.11	5.952737064	5.860687659	5.905885646
TOB1	ENSG00000141232.4	5.390498469	6.523857899	5.991022617
MTIF3	ENSG00000122033.14	4.993001859	5.270092247	5.499935311
EXOC5	ENSG00000070367.15	5.253469339	5.120947055	5.240575324
ALDH7A1	ENSG00000164904.17	5.987125115	5.027700688	5.751065936
SSSCA1	ENSG00000173465.7	6.653823317	5.421302669	5.469400985
RETREG3	ENSG00000141699.10	5.34752519	5.845915945	6.269641235
ASH2L	ENSG00000129691.15	6.003448743	4.920306296	5.164582837
SWAP70	ENSG00000133789.14	4.967312881	5.986947267	5.99717955
PWP1	ENSG00000136045.11	6.590985914	7.18363634	5.072977832
SHARPIN	ENSG00000179526.16	5.174975469	5.135034482	5.145128505
STX10	ENSG00000104915.14	6.07983375	5.44514205	5.21456546
SH2B3	ENSG00000111252.10	7.968009242	7.557172145	7.285487524
NISCH	ENSG00000010322.15	5.062738583	5.755817153	4.908584996
UPF3A	ENSG00000169062.14	5.767138424	4.962970059	5.177330821
KMT2E	ENSG00000005483.20	5.010175206	5.596792995	5.956794021
NBN	ENSG00000104320.13	5.900290259	5.069790844	4.970944115
MEN1	ENSG00000133895.14	6.313566745	5.700566951	5.141042039
POLR3GL	ENSG00000121851.12	5.027534031	5.57917294	5.177954823
PAFAH1B3	ENSG00000079462.7	5.305934685	5.25087292	5.027564144
SURF1	ENSG00000148290.9	5.865999669	6.906582128	5.506963588
PHF20	ENSG00000025293.16	5.403571392	4.931714154	5.664589529
FBXO9	ENSG00000112146.16	5.07689637	5.279247959	5.531343923
RBBP8	ENSG00000101773.18	5.367913777	5.568070512	4.957530885
MTMR14	ENSG00000163719.19	6.061322087	5.877404616	5.611980022
ACTR10	ENSG00000131966.13	5.153289123	5.611799054	5.864144214
UBE2A	ENSG00000077721.15	5.455691197	5.562349669	5.228643099
JUNB	ENSG00000171223.5	7.082452931	5.965855383	5.693619501
FAM122B	ENSG00000156504.16	5.30860955	5.316899034	5.465440447
SLC39A3	ENSG00000141873.10	4.841186929	5.558853073	5.05823158
PLEKHM2	ENSG00000116786.11	5.672112773	6.68337052	5.822826599
GOLGA4	ENSG00000144674.16	5.608839233	6.132514262	5.599170152
SLC1A4	ENSG00000115902.10	6.065405665	6.622957743	6.808353642
NSMCE1	ENSG00000169189.16	5.51454253	5.202743579	5.440911542
SECISBP2L	ENSG00000138593.8	4.877446184	5.60931982	5.976156976
TROVE2	ENSG00000116747.12	5.587101525	4.859263935	5.100232813

NIN	ENSG00000100503.23	4.854209016	5.492344818	5.896009201
ZMYM4	ENSG00000146463.11	5.406425024	5.112254511	5.573869844
ENTPD4	ENSG00000197217.12	4.872380731	5.475587056	5.647777305
HECTD3	ENSG00000126107.14	5.186316703	5.608482314	5.083062098
AP3M1	ENSG00000185009.12	5.081301801	5.490817626	5.924035894
ACTR1A	ENSG00000138107.12	6.965494474	5.386219686	6.599930865
PI4KB	ENSG00000143393.16	5.998615774	5.661091222	5.243804066
RLIM	ENSG00000131263.12	5.196109253	5.673474265	5.179432472
ULK3	ENSG00000140474.12	5.493425842	5.868460249	5.790276494
PPM1B	ENSG00000138032.20	4.883857696	5.483757526	5.270244543
WTAP	ENSG00000146457.14	6.356041091	5.419385863	5.205494402
ZBTB4	ENSG00000174282.11	4.946677864	4.922748249	5.70112908
LACTB2	ENSG00000147592.8	5.328594511	5.14169234	4.95641852
RPRD2	ENSG00000163125.15	6.099484106	5.413716397	4.904364865
DUSP12	ENSG00000081721.11	6.227795465	5.326954859	5.300575553
CNOT3	ENSG00000088038.17	5.985982438	5.032445624	5.631286872
NAGLU	ENSG00000108784.9	5.050734843	6.291494684	5.027415254
DECR1	ENSG00000104325.6	5.023894831	5.76261378	6.006305938
UBE2T	ENSG00000077152.9	7.325489806	5.605586659	4.868967988
SEC63	ENSG00000025796.13	5.487691849	5.848777283	5.359795506
GFM2	ENSG00000164347.17	6.396818862	5.547845508	5.80196653
GNA12	ENSG00000146535.13	5.226329949	6.043185849	5.262823905
TRIM4	ENSG00000146833.15	5.179187751	5.768185386	4.986484439
LTBP3	ENSG00000168056.15	7.766134082	5.286177054	6.944360279
FBRSL1	ENSG00000112787.12	5.601556918	6.23442369	4.98163902
RACGAP1	ENSG00000161800.12	6.808630973	5.671862814	4.882089116
TMEM219	ENSG00000149932.16	5.146375965	5.966612019	5.799859713
TEX10	ENSG00000136891.13	5.924976078	5.964531381	4.879067566
C3orf14	ENSG00000114405.10	5.425664053	5.293137117	4.913347021
BOD1L1	ENSG00000038219.12	6.344651347	5.033612312	6.739564415
PAK1	ENSG00000149269.9	5.567047408	5.591500695	5.386453612
BCS1L	ENSG00000074582.12	4.895647244	5.377721913	5.232604494
PBXIP1	ENSG00000163346.16	5.284983669	6.091311707	5.348869255
TAP1	ENSG00000168394.10	5.025334379	5.490588876	4.856000675
DPAGT1	ENSG00000172269.18	6.271144385	5.287495416	5.78103346
IL6ST	ENSG00000134352.19	6.263280202	4.869295134	5.543699152
KDM3B	ENSG00000120733.13	5.550496212	4.938308464	5.3771089
EP400	ENSG00000183495.13	5.882368469	5.531564767	7.250366098
ARFIP2	ENSG00000132254.12	5.538459413	6.556235396	4.8779643
PRPF3	ENSG00000117360.12	6.332182601	6.222783801	4.902859048
ABHD17C	ENSG00000136379.11	7.12411913	6.511411183	5.916220921
PPP5C	ENSG00000011485.14	6.412458751	4.952171099	5.366165765
RASA3	ENSG00000185989.10	6.016748864	4.922272869	6.160434527
KCTD9	ENSG00000104756.15	5.280096776	4.884642276	5.117536721
LINC00511	ENSG00000227036.6	6.711325598	5.854074825	6.467068543
CRK	ENSG00000167193.7	5.997975778	4.877942939	5.051983615

LETMD1	ENSG00000050426.15	6.152127125	5.388770185	5.866859438
RFXANK	ENSG00000064490.13	6.388701218	5.799584648	5.083244217
CDK7	ENSG00000134058.11	6.488773678	5.253209022	5.351478748
NFYC	ENSG00000066136.20	5.620595991	5.043621135	4.98033794
ATM	ENSG00000149311.18	5.037879619	6.21918694	6.81744817
SPAG7	ENSG00000091640.7	6.382312384	4.940413225	5.898789689
TM9SF1	ENSG00000100926.14	5.501246197	5.261253087	5.060181254
DHX40	ENSG00000108406.9	5.868204812	6.378601121	5.861959572
NR1D2	ENSG00000174738.12	5.8361802	5.011540661	4.934985001
KMT2C	ENSG00000055609.17	5.228330244	5.569567997	5.117411685
SUGP2	ENSG00000064607.16	5.718169981	5.805664408	5.203080409
SGSM3	ENSG00000100359.20	4.899072435	6.208897248	6.292216301
PHF20L1	ENSG00000129292.20	5.241943913	4.839342112	5.563843454
UCHL5	ENSG00000116750.13	6.924097759	5.716124025	4.867114562
UNC119B	ENSG00000175970.10	5.402364693	4.837788634	5.957371479
RAB11A	ENSG00000103769.9	5.792656177	5.463048601	5.439558504
S100B	ENSG00000160307.9	6.695170164	8.476282712	8.265717495
BRD9	ENSG00000028310.17	5.350362009	5.662107116	5.315458837
SELENOT	ENSG00000198843.12	5.642569422	6.036314823	5.374292759
UBE2J2	ENSG00000160087.20	6.116513574	5.874119349	5.66518771
TBC1D23	ENSG00000036054.12	5.12493859	4.979799372	4.998403914
PIGC	ENSG00000135845.9	5.65508868	4.934609848	5.376703221
GLE1	ENSG00000119392.14	6.288916901	6.157706902	4.89838462
PHAX	ENSG00000164902.13	5.479081705	4.910863939	4.959185932
CFAP97	ENSG00000164323.12	6.332049591	5.5161799	6.275846886
TMEM63B	ENSG00000137216.18	5.225621733	6.462101489	6.024920699
PCIF1	ENSG00000100982.11	5.304473465	4.914403623	5.161964839
WDFY1	ENSG00000085449.14	5.123972756	7.542365929	8.009293808
ARFGAP3	ENSG00000242247.10	4.881297643	5.794962844	6.92764032
UBE2R2	ENSG00000107341.4	6.175977401	5.358413057	5.167065178
PIM3	ENSG00000198355.4	6.32186087	6.794815537	6.821138382
RBM6	ENSG00000004534.14	5.873643784	5.6439636	5.659965673
FNDC3B	ENSG00000075420.12	5.215814062	6.041662757	4.921155031
AP3B1	ENSG00000132842.13	5.352812411	5.100606072	5.137686804
TRMT2A	ENSG00000099899.14	5.376356525	5.701194067	5.69131043
CRBN	ENSG00000113851.14	5.776491861	5.345643645	5.170929255
METTL23	ENSG00000181038.13	5.35529153	5.886650579	5.560191164
SDC4	ENSG00000124145.6	6.967254342	4.863047234	5.924798065
CBFB	ENSG00000067955.13	6.401878486	4.987276439	6.40988162
DANCR	ENSG00000226950.6	5.994716471	5.432013309	6.004090832
PBK	ENSG00000168078.9	6.628952918	5.552994497	4.864231322
UQCC1	ENSG00000101019.21	5.298176896	5.326590486	4.936627866
ANKHD1-EIF4	ENSG00000254996.5	5.083791341	4.907718368	5.246813782
FTSJ1	ENSG00000068438.14	6.119153949	5.325654211	4.940414988
PDHX	ENSG00000110435.11	5.900330732	5.111745404	5.615795331
NEDD4L	ENSG00000049759.17	5.780160021	7.785824373	7.399854828

NAA38	ENSG00000183011.13	6.279227065	5.075307606	4.918977979
SLC2A4RG	ENSG00000125520.13	5.306761378	5.276302912	5.73861818
BABAM2	ENSG00000158019.20	5.712445354	5.145175549	5.839051142
FOXRED1	ENSG00000110074.10	5.910195373	4.848491166	4.918650639
PCBD1	ENSG00000166228.8	5.352968287	5.258277859	5.910879781
UBE2F	ENSG00000184182.18	5.121582593	6.168435085	5.196803557
LASP1	ENSG00000002834.17	5.898472844	6.367604491	4.998306102
TRIM44	ENSG00000166326.6	5.738657738	5.086015442	5.566207671
ENDOD1	ENSG00000149218.4	5.163612192	4.859294857	6.179836185
SNX8	ENSG00000106266.10	5.948896707	6.005571857	5.425669234
STK40	ENSG00000196182.10	5.850530627	5.98463037	5.610508474
ZNF706	ENSG00000120963.11	5.798408196	5.695163866	5.72056599
NIT2	ENSG00000114021.11	5.371038556	5.147893731	5.783587943
PELP1	ENSG00000141456.14	5.795910565	4.983046697	4.814876127
FAM98A	ENSG00000119812.18	5.966381076	6.365421545	5.027798925
TTC3	ENSG00000182670.13	5.088167445	5.675433775	7.375410331
ZNFX1	ENSG00000124201.14	5.357840356	5.34855729	5.315638401
TNRC18	ENSG00000182095.14	6.040816621	5.905114021	5.645583671
REEP4	ENSG00000168476.11	5.739333038	5.677276767	4.905050938
TP53RK	ENSG00000172315.5	5.211653566	5.391398499	6.019659692
PAGR1	ENSG00000280789.1	6.181691417	5.036164167	4.814472864
GID8	ENSG00000101193.7	5.986843706	4.80358691	5.376099128
USP8	ENSG00000138592.13	5.834479061	6.193978834	5.999002395
AKAP9	ENSG00000127914.16	5.435175324	6.000690552	5.304751989
HERC2	ENSG00000128731.15	5.323374353	5.410641086	4.89802736
PPIP5K2	ENSG00000145725.19	5.259288407	5.030519269	5.780307229
ICMT	ENSG00000116237.15	6.112965085	6.116397846	5.105794593
NCAPD3	ENSG00000151503.12	6.71483096	4.841833139	4.821537858
COX16	ENSG00000133983.14	5.627480538	5.230200806	5.062305151
CEP95	ENSG00000258890.6	5.219330626	5.461694376	5.573237812
MLST8	ENSG00000167965.17	5.674001288	5.077080321	5.397743422
STX4	ENSG00000103496.14	5.804949935	5.818260596	5.47231973
DESI2	ENSG00000121644.18	6.23746735	4.812649271	5.764606387
KIF1B	ENSG00000054523.17	5.407775412	5.626892448	5.901967839
CHST11	ENSG00000171310.10	4.979136613	6.028564975	8.368223022
RAB5A	ENSG00000144566.10	6.300690965	6.251639283	5.795686552
LRP10	ENSG00000197324.8	4.834666701	5.639156377	6.061552395
PSEN2	ENSG00000143801.16	4.837709988	5.590633347	6.183850362
SNRNP40	ENSG00000060688.12	6.464332734	6.003439124	4.994907644
MARCKS	ENSG00000277443.2	5.343498088	6.508461195	6.180426464
FEM1B	ENSG00000169018.5	5.333771497	5.345840945	5.742934417
CNIH1	ENSG00000100528.11	5.306012068	5.223277728	5.710889928
GBF1	ENSG00000107862.4	5.848078331	5.21712523	5.326577546
DPP3	ENSG00000254986.7	5.821555961	5.237794436	5.85230697
TSEN34	ENSG00000170892.10	5.711371837	5.087505902	5.930820692
CERK	ENSG00000100422.13	4.838406025	6.358788394	6.035960234

TBC1D16	ENSG00000167291.15	5.946190558	8.621311957	7.651213093
NCAPH	ENSG00000121152.9	6.447128754	5.306111871	4.893609998
MFSD10	ENSG00000109736.14	5.8266807	5.418166011	6.558789539
GALNT2	ENSG00000143641.9	8.363222542	7.62729311	4.809834314
LRPAP1	ENSG00000163956.10	5.140906834	5.333579783	7.244209638
TNRC6A	ENSG00000090905.18	5.963257969	5.517377	5.209552461
TMED5	ENSG00000117500.12	5.153440072	5.421430446	4.813514127
ZDHHC6	ENSG00000023041.11	5.507465542	5.361107794	5.235386341
PPT1	ENSG00000131238.17	6.751067529	6.635057535	4.852455239
TUSC2	ENSG00000114383.9	5.599347641	5.553332783	5.064840255
NOP14	ENSG00000087269.15	6.994061429	4.827693718	6.458468932
NSMAF	ENSG00000035681.7	5.684694565	5.736485158	5.832592376
MFSD5	ENSG00000182544.8	5.028136878	5.441089101	5.510060906
TERF1	ENSG00000147601.13	5.414539889	5.465634537	5.392954656
MIA3	ENSG00000154305.16	5.598151292	5.22108614	5.004685115
SUPT20H	ENSG00000102710.19	5.744454722	5.365444967	4.836156128
NDUFA10	ENSG00000130414.11	4.783492334	5.599689705	5.649310743
NUP155	ENSG00000113569.15	6.148368379	5.609289583	4.818216677
BIN3	ENSG00000147439.12	6.393650275	6.357898855	5.787767277
CHCHD5	ENSG00000125611.15	4.886857146	5.267856005	5.114993593
ELF1	ENSG00000120690.15	5.390896552	5.164878162	6.549196507
GPR108	ENSG00000125734.15	6.029526658	6.003910361	5.701613519
SLC25A13	ENSG00000004864.13	6.129724572	6.858160875	4.885204423
CLK1	ENSG0000013441.15	4.828360935	4.962159795	5.667365478
ACACA	ENSG00000278540.4	5.71236771	5.407687216	5.723665363
POLG	ENSG00000140521.12	5.023908848	5.650017922	5.73392828
PAXBP1	ENSG00000159086.14	5.48229374	5.4192337	5.80098762
XBP1	ENSG00000100219.16	6.848243254	7.101707671	7.919264468
GRK6	ENSG00000198055.10	5.286840774	4.938865891	7.088973179
METTL2B	ENSG00000165055.15	5.43110915	5.649156094	5.188651095
PPAT	ENSG00000128059.8	5.613503918	4.959091443	5.003643652
TRIO	ENSG00000038382.18	5.291718282	7.214470488	6.53494944
TWISTNB	ENSG00000105849.5	5.31296058	6.142620117	5.033932308
ABCB8	ENSG00000197150.12	4.928655103	5.200101212	5.216789166
CTCF	ENSG00000102974.14	6.087251008	4.837800425	5.096102827
KLF9	ENSG00000119138.4	7.145017679	5.872724183	4.853119832
NR2F6	ENSG00000160113.5	6.80409303	6.03143187	5.703976302
CREB3L2	ENSG00000182158.14	5.906145316	6.227185497	6.483004091
TBC1D10B	ENSG00000169221.13	5.808406855	5.226494144	5.44049391
FADD	ENSG00000168040.4	5.983858575	5.88952543	4.847514155
MRPS33	ENSG00000090263.15	5.042085377	5.595925867	5.402438487
HTT	ENSG00000197386.10	4.97888705	4.805317173	6.703646281
DARS2	ENSG00000117593.9	6.92528395	5.048872401	4.799441493
TACO1	ENSG00000136463.7	5.658415671	5.562853836	5.955904105
NADSYN1	ENSG00000172890.11	4.986307593	5.991204824	5.640902333
TWF1	ENSG00000151239.13	6.987932881	7.089954084	4.816830686

CAPN15	ENSG00000103326.11	5.901041742	5.162849949	5.092847289
PSEN1	ENSG00000080815.18	4.915426192	5.545511503	5.616100429
AC020915.1	ENSG00000142396.10	6.458693774	5.328283368	5.150104953
UBA5	ENSG00000081307.12	5.349509348	5.205580644	5.081783476
TIMM21	ENSG00000075336.11	5.171520169	6.009026735	4.860700224
SPTSSA	ENSG00000165389.6	5.379175653	4.822807269	4.844992456
PLK1	ENSG00000166851.14	6.987787166	5.458374345	4.848428545
CAND1	ENSG00000111530.12	6.144695032	5.183577768	4.817036857
ZFAND3	ENSG00000156639.11	5.19501034	6.180199773	7.041163311
MTMR2	ENSG00000087053.18	6.341659194	4.947816022	5.78696103
GTF3C5	ENSG00000148308.17	6.76720129	6.906406893	4.955690459
SLC35B4	ENSG00000205060.10	4.819717953	5.94736032	5.9374065
ATAD2	ENSG00000156802.12	6.085281851	5.164029413	4.793779207
OSBPL1A	ENSG00000141447.17	4.898586695	6.375725426	6.277828289
CD58	ENSG00000116815.15	6.104591568	5.81185192	5.034115841
STAM	ENSG00000136738.14	4.887498326	5.12433652	5.383093772
MRPS27	ENSG00000113048.16	6.120689205	5.091536691	5.864653928
DSN1	ENSG00000149636.15	5.999514564	4.937899718	4.810319624
PIP5K1A	ENSG00000143398.19	6.4393834	6.281059679	4.944933172
HPCAL1	ENSG00000115756.12	8.048390631	6.265126949	8.261742847
BTG3	ENSG00000154640.14	4.86504817	6.587831757	6.471977531
ORC5	ENSG00000164815.10	5.762330647	6.391028912	4.795117949
RBM8A	ENSG00000265241.6	6.936987615	5.983313694	4.871332789
PFKFB4	ENSG00000114268.11	6.784288752	5.787587417	5.004614501
UBE2B	ENSG00000119048.7	5.484222624	5.492713281	4.983006238
CENPK	ENSG00000123219.12	5.43463258	5.311392083	4.89043181
TRPM7	ENSG00000092439.13	5.27711643	5.497610844	5.680906017
ZNF598	ENSG00000167962.13	6.064370575	5.568203845	4.933622488
RNF144A	ENSG00000151692.14	5.163309499	5.849135467	5.558115963
SNAPC2	ENSG00000104976.11	5.374121885	5.433245203	5.168409071
FOXJ3	ENSG00000198815.8	5.964910983	5.073468077	4.778037272
ZFP36L1	ENSG00000185650.9	6.512632396	5.428514071	7.578911961
NXF1	ENSG00000162231.13	6.210955527	4.779341992	5.413484136
METTL2A	ENSG00000087995.15	5.524351585	5.40763436	5.427027688
MRPL54	ENSG00000183617.4	6.624844473	4.770725884	5.223311276
CLCN3	ENSG00000109572.13	4.839140182	5.553694575	7.115869965
KIAA0368	ENSG00000136813.14	6.537462329	5.977651565	5.403545282
MLLT1	ENSG00000130382.8	6.700000521	5.495891237	6.778561558
TMEM120A	ENSG00000189077.10	4.834016802	6.171349999	6.018833099
ARPC5L	ENSG00000136950.13	6.662705208	6.854798387	4.791195285
CHD1	ENSG00000153922.10	6.071865211	6.160625352	5.55672468
TFB2M	ENSG00000162851.7	7.027883733	4.774664409	4.844369958
ARHGEF7	ENSG00000102606.17	5.998268695	5.281896248	5.354092245
CCDC50	ENSG00000152492.13	4.81201547	5.179720529	5.33129559
SLC4A1AP	ENSG00000163798.13	5.206031213	5.17748309	4.890841657
RALGAPB	ENSG00000170471.14	5.206759287	4.851377553	5.82750059

CBR3	ENSG00000159231.5	4.831254478	5.469367947	4.884072141
APOO	ENSG00000184831.13	5.635546822	4.915761192	6.073258592
EDC4	ENSG00000038358.14	5.614427395	4.770598211	5.400865097
CEP55	ENSG00000138180.15	6.501327331	4.948136261	4.853254871
ALKBH3	ENSG00000166199.12	5.371423617	5.302817557	5.877911661
PCYOX1	ENSG00000116005.11	5.036605072	5.926740594	4.769370323
PCNX3	ENSG00000197136.4	5.805301725	5.62762677	4.76515243
ADCY3	ENSG00000138031.14	5.998097737	5.932037275	5.43309974
WWP1	ENSG00000123124.13	5.035146608	5.629906242	6.260417529
AMOTL1	ENSG00000166025.17	7.098358126	5.274957883	5.600546801
ABCC2	ENSG00000023839.10	4.770318545	5.212698435	5.752203579
DNPEP	ENSG00000123992.18	4.883731297	5.773007589	5.992793283
POLR1B	ENSG00000125630.15	6.165454486	5.318460959	4.950400168
BET1L	ENSG00000177951.17	5.331821156	6.180656376	5.694400292
CRTC2	ENSG00000160741.16	6.319707549	5.95889265	4.768051678
AP1G1	ENSG00000166747.12	6.095164242	6.006238266	6.088527937
OAZ2	ENSG00000180304.14	5.305796332	5.78504126	5.457340172
KANK2	ENSG00000197256.10	5.973142224	4.903687121	4.941451122
RFWD3	ENSG00000168411.13	6.408772851	5.801295999	5.306537823
TM2D1	ENSG00000162604.12	4.904367821	5.65326287	5.014991482
CENPN	ENSG00000166451.13	6.197137916	5.414093978	5.283697813
DUS3L	ENSG00000141994.15	5.895145882	5.215509642	4.9271435
CARS2	ENSG00000134905.16	6.489589578	5.391570784	4.85374611
DUSP6	ENSG00000139318.7	6.596972492	5.626948377	6.383352207
TRIAP1	ENSG00000170855.3	5.984455483	5.793542869	6.881972945
PPP1R12A	ENSG00000058272.16	5.569232919	4.953055332	5.556992654
MRFAP1	ENSG00000179010.14	6.800935062	6.411631922	7.488118117
CHMP1B	ENSG00000255112.2	5.754539242	7.867692659	5.027824465
PRKRA	ENSG00000180228.12	4.978819874	5.248965518	5.494671819
ARHGAP17	ENSG00000140750.16	5.763121473	5.239998433	4.841010936
ORC6	ENSG00000091651.8	5.756223634	5.209696382	4.778296222
PPAN	ENSG00000130810.19	6.431738392	5.500809582	5.200446607
SH3BGR1	ENSG00000131171.12	4.855397026	6.657445687	6.393552807
HSDL2	ENSG00000119471.14	6.295959831	5.860236821	4.734323904
PRRC2B	ENSG00000130723.18	5.833372555	6.15925776	4.879349139
RNF145	ENSG00000145860.11	6.975803315	5.250640247	5.040445395
SPEN	ENSG00000065526.10	5.550438089	5.43353569	4.860715391
SLC35F5	ENSG00000115084.13	4.739143601	5.845964543	5.683819715
SRC	ENSG00000197122.11	5.801378555	4.783448035	6.575538003
C14orf166	ENSG00000087302.8	6.173742518	6.09298106	5.93550177
FAM189B	ENSG00000160767.20	6.348840593	5.606773178	4.848001575
TTLL12	ENSG00000100304.12	6.242380708	6.277808945	4.786028688
EIF2AK2	ENSG00000055332.16	5.490577753	5.259764542	4.73746623
NOL12	ENSG00000273899.4	5.64574307	5.206776052	4.900920163
IPO8	ENSG00000133704.9	6.357972533	5.339534292	4.745517525
MEMO1	ENSG00000162959.13	5.720931993	4.932887525	4.819659533

SNU13	ENSG00000100138.13	6.948975841	6.619907369	6.018019304
UBL3	ENSG00000122042.9	4.781150584	6.715984657	7.575124364
FAM89A	ENSG00000182118.7	5.413315118	4.877336928	5.852072944
RAD17	ENSG00000152942.18	4.981419614	4.775035384	5.558477448
HSPBP1	ENSG00000133265.10	6.982820103	5.046667473	5.814140295
POLE3	ENSG00000148229.12	6.867096421	6.785352917	4.813972898
RPP30	ENSG00000148688.13	5.882688476	5.168629736	4.798423479
LAS1L	ENSG00000001497.16	6.612416945	5.827833996	5.035169192
ZNHIT6	ENSG00000117174.10	5.194033129	5.111010627	4.76749162
MZT1	ENSG00000204899.5	6.150069989	4.752843787	5.708670614
RBBP4	ENSG00000162521.18	5.840499235	4.874981612	5.309974884
NFIX	ENSG00000008441.16	6.823024981	5.183881794	5.029989712
WDR75	ENSG00000115368.9	5.736678964	5.666004692	4.943637696
PRKACA	ENSG00000072062.13	6.271142306	5.819571317	4.811449987
CDKN1A	ENSG00000124762.13	6.747884459	7.737803578	9.50979875
CYTH2	ENSG00000105443.14	5.100639384	4.906711185	4.834484142
FAM89B	ENSG00000176973.7	6.066870686	4.823485655	5.423484769
CFAP20	ENSG00000070761.7	5.649245605	4.787532476	5.627108163
CCNB1IP1	ENSG00000100814.17	4.964920055	5.058235596	5.371294174
POLR1C	ENSG00000171453.17	5.435188554	4.872550273	4.900982218
MTRR	ENSG00000124275.14	5.625409166	5.964973148	5.573678314
FLYWCH1	ENSG00000059122.16	5.05134407	5.464820371	5.760527877
KNTC1	ENSG00000184445.11	5.604036797	4.714181803	5.682570699
BCKDK	ENSG00000103507.13	6.182511481	5.23938935	5.048525173
MFN1	ENSG00000171109.18	5.098685887	5.702279539	5.958869686
RBM34	ENSG00000188739.14	6.117398124	4.851234533	5.760723703
DHX38	ENSG00000140829.11	6.346104546	5.65049971	5.647093421
NEPRO	ENSG00000163608.14	5.213773752	5.665240217	5.181132274
RBM15B	ENSG00000259956.1	5.86485376	5.36968207	4.77073106
PINK1	ENSG00000158828.7	5.251249269	5.446899508	5.608802427
KAT8	ENSG00000103510.19	5.709054903	4.819956861	5.420377882
NCKAP5L	ENSG00000167566.16	5.494817318	6.070131486	5.279340212
UBE2J1	ENSG00000198833.6	5.226536871	5.607031381	6.362088383
RFC1	ENSG00000035928.15	5.999529909	4.716926704	6.567264574
DVL1	ENSG00000107404.19	5.382033007	5.37422815	5.621981983
METTL3	ENSG00000165819.11	5.919786447	4.879956896	4.795591158
NUBP1	ENSG00000103274.10	6.405118497	4.867281459	4.989086459
PNPLA8	ENSG00000135241.16	4.813721467	4.965838572	4.912241451
QRICH1	ENSG00000198218.10	5.741116333	5.581733801	4.716508955
EAPP	ENSG00000129518.8	5.806733916	4.816361325	5.379694873
SPOP	ENSG00000121067.17	5.597368302	4.937207999	4.965992708
CAMSAP2	ENSG00000118200.14	5.786925593	4.805421253	5.020114395
TPRA1	ENSG00000163870.14	5.279164755	5.710845039	4.744136185
SMYD5	ENSG00000135632.11	5.329808462	5.055760491	4.799543244
FAM208B	ENSG00000108021.19	6.450042993	5.693648566	5.929292273
CLPB	ENSG00000162129.12	5.431019984	4.786140823	4.915835971

PPWD1	ENSG00000113593.11	5.602577296	4.837744477	5.340760261
MT-TQ	ENSG00000210107.1	5.530766849	6.16873202	4.898809662
MSH2	ENSG00000095002.13	6.575961663	5.801131375	4.709062489
POLR2I	ENSG00000105258.8	5.785069236	5.313211838	5.113814761
PRPS2	ENSG00000101911.12	5.832936583	5.31953553	4.851960449
BAK1	ENSG00000030110.12	5.448022411	5.339969138	5.10412791
CENPF	ENSG00000117724.12	7.184915332	5.442376936	4.787437397
FHOD1	ENSG00000135723.13	6.133392021	5.179798689	5.015840913
EML2	ENSG00000125746.16	5.659090625	6.026954253	5.861640584
HNRNPLL	ENSG00000143889.15	5.543426004	5.606491655	5.579515325
PTPN23	ENSG00000076201.14	5.328297359	5.604090735	4.721466305
CC2D1A	ENSG00000132024.17	5.849119382	6.248782656	6.422017191
MLXIP	ENSG00000175727.13	4.793623616	5.758086672	5.406954395
USF1	ENSG00000158773.14	6.494893443	5.919905782	4.917444777
SLC26A2	ENSG00000155850.7	8.826189241	6.694074496	4.71674093
SLMAP	ENSG00000163681.14	5.911120884	5.057993313	5.151885418
CD276	ENSG00000103855.17	6.868364088	8.49841841	5.378397924
BRD7	ENSG00000166164.15	6.152190148	4.734708118	5.736788764
EIF4EBP2	ENSG00000148730.6	5.555696259	5.178236523	4.737332962
FAM118B	ENSG00000197798.8	4.827396657	4.755604359	4.889634218
WIPF1	ENSG00000115935.17	6.619416182	5.312320177	8.099960246
SH2B1	ENSG00000178188.14	5.19232732	5.3695686	5.321247976
CDK11B	ENSG00000248333.8	5.220992155	5.20161545	4.937508933
POLRMT	ENSG00000099821.13	5.730668409	6.33288977	5.429848212
KIAA0930	ENSG00000100364.18	5.090982993	6.516335444	5.124834575
PRMT7	ENSG00000132600.16	5.366237165	4.878964912	6.26563746
DMAC2	ENSG00000105341.18	5.56336808	5.636597967	5.001380987
SP110	ENSG00000135899.17	4.704830545	5.420811945	5.089174407
PHLDB1	ENSG00000019144.18	6.122819255	4.98102996	6.864721398
PRDX1	ENSG00000117450.13	9.844125228	9.322525948	9.08456417
GM2A	ENSG00000196743.8	4.716644734	6.897875516	7.474404659
IDS	ENSG00000010404.17	6.054407136	6.649969866	6.534915074
TPRG1L	ENSG00000158109.14	5.172203877	6.359119857	6.132241981
GSTM4	ENSG00000168765.16	4.907923968	5.316505959	5.068435306
TRRAP	ENSG00000196367.12	5.050084772	5.618981539	4.710507899
NCKAP1	ENSG00000061676.14	4.696979009	5.538363706	5.553937836
CDCA5	ENSG00000146670.9	6.487287968	5.191160243	4.742956108
ESRRA	ENSG00000173153.13	5.452818249	5.338105753	5.969263473
CREB3	ENSG00000107175.11	5.76285302	5.078237629	4.838893629
SIN3B	ENSG00000127511.9	5.755304576	7.402183696	5.252394303
TULP3	ENSG00000078246.16	5.249215793	4.69611602	6.227450367
PANK3	ENSG00000120137.6	5.639392617	4.704601018	5.848732727
IP6K1	ENSG00000176095.11	5.665453365	5.684550236	4.685235563
SMC1A	ENSG00000072501.17	6.876896889	5.109843637	5.429893784
PRCP	ENSG00000137509.10	4.716322553	4.732508937	5.127627026
CHP1	ENSG00000187446.11	6.786751405	6.589938507	7.614311815

TRIM27	ENSG00000204713.10	5.242466627	5.120896651	5.266518906
MTMR4	ENSG00000108389.9	5.234532564	5.727742069	5.78071436
QSOX1	ENSG00000116260.16	5.814430143	5.855127362	5.610700902
NIF3L1	ENSG00000196290.14	5.064483702	5.241425791	4.742297041
ASPSCR1	ENSG00000169696.15	4.878285822	5.109506172	5.6124734
KANSL3	ENSG00000114982.17	4.883315459	4.737020574	5.793281834
STX2	ENSG00000111450.13	4.756872881	5.126183611	6.239108054
CDK17	ENSG00000059758.7	4.796602034	5.111317129	6.125176684
AMDHD2	ENSG00000162066.14	4.678151568	6.083503686	5.932301898
SDHC	ENSG00000143252.14	5.596069499	5.522649729	4.782078836
PKP4	ENSG00000144283.21	5.145416625	5.163885779	6.080496306
TMEM54	ENSG00000121900.18	4.756541129	5.212057365	5.431108692
STXBP3	ENSG00000116266.10	5.60280482	5.452294864	4.705738414
FANCL	ENSG00000115392.11	5.730565788	4.821619711	5.093180087
MGAT2	ENSG00000168282.5	5.47870829	4.689710916	5.00256207
CCDC34	ENSG00000109881.16	4.911198885	4.755968536	5.176406901
HMGXB4	ENSG00000100281.13	5.353411549	5.328727929	5.231269145
KRIT1	ENSG00000001631.15	4.867480172	5.299987723	4.792546806
C1orf122	ENSG00000197982.13	6.253926654	5.316820737	4.926566949
FOXRED2	ENSG00000100350.14	5.143110701	5.189006004	5.648110307
RBMX2	ENSG00000134597.15	5.769803582	5.677051164	5.146883672
KIF2C	ENSG00000142945.12	6.632168811	4.794823516	4.858976545
G6PC3	ENSG00000141349.8	6.861380784	6.636318833	5.915350848
MAPK1IP1L	ENSG00000168175.14	5.49403936	5.489770788	5.938539686
PIP4K2A	ENSG00000150867.13	4.755489144	5.738182855	6.246770682
EIF1AD	ENSG00000175376.8	5.39889687	4.920934883	5.097232287
CEP63	ENSG00000182923.16	4.783808549	5.170171858	4.875782621
METTL17	ENSG00000165792.17	6.238073022	4.690279755	4.979237848
ATP11B	ENSG00000058063.15	5.310452567	5.296055316	5.475006086
C1orf216	ENSG00000142686.7	4.704199331	4.912267723	5.719791324
RAB29	ENSG00000117280.12	5.676380894	4.763522488	4.904780536
ZMYM2	ENSG00000121741.16	5.635046032	5.303826745	5.046838276
KDM4A	ENSG00000066135.12	5.567052407	5.053727232	5.543215115
AKT1	ENSG00000142208.15	5.938391144	6.60626204	4.895489164
ELP2	ENSG00000134759.13	5.332537358	6.167313184	4.995970893
NDUFB1	ENSG00000183648.9	6.329010376	6.814022701	4.954865508
NEU1	ENSG00000204386.10	4.993025453	6.108586548	5.49166896
SYAP1	ENSG00000169895.5	5.717873525	4.69826826	5.117003793
PPP2R5E	ENSG00000154001.13	5.162583174	4.731824768	4.952473752
ENY2	ENSG00000120533.12	5.962737952	5.000387445	4.857004873
ITM2B	ENSG00000136156.12	5.383551233	5.506223702	5.526916374
MMS19	ENSG00000155229.20	6.184427214	5.531590815	6.174913735
TCFL5	ENSG00000101190.12	4.934833031	5.265433721	5.748799483
GPN1	ENSG00000198522.13	5.595874163	5.7846319	4.751305266
NCS1	ENSG00000107130.9	5.490678626	7.369949704	4.760044904
SHKBP1	ENSG00000160410.14	5.972493322	6.735371949	6.249735682

SNX14	ENSG00000135317.12	5.604015238	5.062556308	5.499940861
CLN6	ENSG00000128973.12	5.624058914	5.456267793	4.784150309
ACY1	ENSG00000243989.8	6.263094536	6.098447369	4.739559956
IFT57	ENSG00000114446.4	5.69798884	4.74650893	5.024444828
HMG20A	ENSG00000140382.14	5.179308591	5.269524384	5.487224331
LTV1	ENSG00000135521.8	6.155025094	5.218798144	4.703513623
SBNO1	ENSG00000139697.13	5.412187874	5.00771324	5.607746909
ITSN2	ENSG00000198399.14	5.383418449	5.865639411	5.89570333
NAT9	ENSG00000109065.11	5.16214042	6.176500402	5.783043274
ZFP36L2	ENSG00000152518.7	6.85057134	6.32304855	4.732165292
RNF216	ENSG00000011275.18	5.225951753	5.985698343	6.106943179
KIAA0141	ENSG00000081791.8	5.945693275	4.727132116	5.667261569
NIT1	ENSG00000158793.13	5.690742526	6.035703076	5.339319437
ALG1	ENSG00000033011.11	5.219195736	5.29633753	4.764123953
CCDC82	ENSG00000149231.11	5.229817614	4.720053335	5.634378615
SART3	ENSG00000075856.11	6.482623629	5.797718076	4.751814068
SCAF11	ENSG00000139218.17	6.005408259	4.839347742	6.059483519
TRIP13	ENSG00000071539.13	6.436723896	5.861185183	4.69174949
DLG1	ENSG00000075711.20	4.769016502	5.828377214	5.878305826
DHRS7	ENSG00000100612.13	4.695896308	5.60089716	6.160607391
RFWD2	ENSG00000143207.19	5.631088939	4.833235768	4.837660025
CYTOR	ENSG00000222041.10	5.239079601	5.565855935	4.685043907
PHYH	ENSG00000107537.13	4.983512358	4.718539686	5.537173301
BRAF	ENSG00000157764.12	4.691225217	5.024400147	5.40914262
ABCC1	ENSG00000103222.18	4.940565909	5.763716405	4.718136236
VPS11	ENSG00000160695.14	4.955524571	4.946344369	5.691132029
STK24	ENSG00000102572.14	6.640093565	4.999775479	7.305000474
NDUFV3	ENSG00000160194.17	5.311234994	5.107783748	4.666606126
NRBF2	ENSG00000148572.15	4.666751085	5.862741324	5.218180422
UNK	ENSG00000132478.9	5.26829685	5.668964438	6.355782253
CHRAC1	ENSG00000104472.9	5.89102544	5.132609598	4.713020774
RWDD1	ENSG00000111832.12	5.138713759	4.924194753	5.060926091
UBE2V2	ENSG00000169139.11	6.188993881	4.853825278	5.047340083
SFT2D1	ENSG00000198818.9	5.990313837	4.972108386	4.867996911
DDR1	ENSG00000204580.13	5.211496577	5.685784943	6.312722142
NAB1	ENSG00000138386.16	4.91062332	5.144293985	5.280901144
METTL5	ENSG00000138382.14	4.841853808	6.046196496	6.31570156
ARMC10	ENSG00000170632.13	5.152186641	5.658077351	5.004463283
ITPKB	ENSG00000143772.9	4.671783728	7.502359157	6.012321013
PRNP	ENSG00000171867.16	8.504062519	7.567171938	5.572366174
TDP2	ENSG00000111802.13	5.123258057	5.379295017	5.656853394
TLK2	ENSG00000146872.17	5.215950707	5.135892071	5.474427179
CDIPT	ENSG00000103502.13	5.797516531	5.267949994	5.088271489
DDT	ENSG00000099977.13	5.555770779	6.715659195	5.326498778
EML4	ENSG00000143924.18	5.471877219	5.990592979	4.701389823
NSUN5	ENSG00000130305.16	5.496332776	5.482492073	4.800076031

NUP50	ENSG00000093000.18	6.124503956	6.228322484	5.779936859
MORN2	ENSG00000188010.12	5.098423266	4.996428357	4.765566646
MARK2	ENSG00000072518.20	5.445244624	5.117489626	5.072204331
ADD3	ENSG00000148700.14	6.105310721	5.267954195	6.409522644
PIIH	ENSG00000171960.10	7.113723633	5.631571283	4.744126979
P4HA1	ENSG00000122884.12	5.67791104	6.056134313	4.666245034
USP10	ENSG00000103194.15	6.301130695	5.621801521	5.645470703
ST7	ENSG00000004866.20	4.67114504	6.504395518	6.304233769
TRIM37	ENSG00000108395.13	4.739078415	5.169070232	5.356349864
C11orf68	ENSG00000175573.6	5.478789833	5.094547499	5.566522025
SMARCA2	ENSG00000080503.22	6.622752433	5.059060256	5.520946114
NDUFA5	ENSG00000128609.14	5.876152086	6.966085855	7.05072191
IGF1R	ENSG00000140443.13	6.245758544	5.488080763	5.860349434
VAR52	ENSG00000137411.16	5.164801277	5.022396435	7.09186947
EP300	ENSG00000100393.12	5.083173629	5.46345258	5.643113422
CABIN1	ENSG00000099991.17	4.696931708	5.2181581	5.636606903
MT-TI	ENSG00000210100.1	6.147253115	6.455215322	5.973682499
AZI2	ENSG00000163512.13	5.35958875	5.33654287	5.349161174
PDE8A	ENSG00000073417.14	4.729387781	5.554403896	5.047154216
RNASEH2C	ENSG00000172922.8	5.567954337	5.189071537	4.891348341
ASNSD1	ENSG00000138381.9	5.177601273	5.892740365	5.421021214
AP1M1	ENSG00000072958.8	7.234807082	5.969080265	5.788655366
OBSL1	ENSG00000124006.14	6.625116096	4.688694957	5.249051528
DDX54	ENSG00000123064.12	6.232693937	5.615259598	4.653159861
NFS1	ENSG00000244005.12	5.93132743	4.733276441	5.736528683
MEAF6	ENSG00000163875.15	5.431202718	4.741708343	5.059456355
PPP2R5D	ENSG00000112640.14	5.456318463	5.240085981	5.577278797
SMAD5	ENSG00000113658.16	5.310417079	4.717450692	5.47790777
PHRF1	ENSG00000070047.11	5.183213215	5.277037313	5.314871361
RB1CC1	ENSG00000023287.12	5.596372244	5.558791532	5.897141078
GUCD1	ENSG00000138867.16	5.106072014	5.4564403	5.080749513
AMMECR1L	ENSG00000144233.9	4.682781802	6.194396635	4.880364185
SMG1	ENSG00000157106.16	5.413743492	5.320488171	5.482437164
LPCAT3	ENSG00000111684.10	6.085137536	4.877841154	4.732811333
IFI35	ENSG00000068079.7	5.614123856	5.574529181	5.57498172
PAPD4	ENSG00000164329.13	5.250411634	4.988900949	5.720918122
NOC4L	ENSG00000184967.6	5.625813164	4.716428894	5.683621561
TBC1D7	ENSG00000145979.17	4.796985621	7.700875068	7.790529724
SFSWAP	ENSG00000061936.9	5.777509409	4.990985201	7.394963562
RRP9	ENSG00000114767.6	6.280036467	6.176761211	4.663535843
EXTL3	ENSG00000012232.8	4.661404537	5.677341623	4.873366995
ETV1	ENSG00000006468.13	5.737080716	5.360112084	5.250691091
HTATIP2	ENSG00000109854.13	6.109285655	7.036528268	6.80448354
PPP2R2A	ENSG00000221914.9	6.101921138	6.033044664	5.086179025
DPH5	ENSG00000117543.20	5.050957969	5.122688702	5.396376409
TXNDC11	ENSG00000153066.12	4.898400056	4.738998751	5.131265501

NT5C2	ENSG00000076685.18	5.605399318	4.800939294	5.37587907
ABI1	ENSG00000136754.17	4.882623386	5.151584431	5.734536406
WSB1	ENSG00000109046.14	4.748313647	6.020453077	6.226747422
COMMD6	ENSG00000188243.12	5.159842613	5.22446824	4.834398694
THUMPD1	ENSG00000066654.13	5.428761421	4.723165088	4.641231236
ADCK2	ENSG00000133597.10	5.188581606	5.142280994	6.270840007
NSA2	ENSG00000164346.9	5.925219106	4.612897563	5.350732685
BAD	ENSG00000002330.13	5.956609214	4.798284121	6.153181249
TAF1C	ENSG00000103168.16	5.111574836	6.466373366	5.325737054
KIF22	ENSG00000079616.12	6.827125581	5.105341086	4.635380688
DCK	ENSG00000156136.9	5.426835127	4.615963402	5.048820991
STX12	ENSG00000117758.13	5.05755248	4.827262411	5.201453687
PRKACB	ENSG00000142875.19	4.868042062	4.638952491	4.942741684
WRNIP1	ENSG00000124535.15	5.796580341	5.634555293	6.22333345
ZNF664	ENSG00000179195.15	5.799343678	5.862678303	6.518609702
SETD7	ENSG00000145391.13	5.4776915	4.637002227	4.985779346
TROAP	ENSG00000135451.12	6.090634103	4.854984609	4.703845744
LMNB1	ENSG00000113368.11	7.35662784	4.814680768	4.680739317
MUM1	ENSG00000160953.15	4.734074452	5.503395828	5.275699332
TMEM183A	ENSG00000163444.11	6.357952044	5.363346455	4.660946977
ARID1A	ENSG00000117713.18	6.358334231	5.507978966	5.174590165
PPRC1	ENSG00000148840.10	5.907205032	4.986617633	4.832620214
PPP4R1	ENSG00000154845.15	5.109978705	5.781765253	5.213225557
ZDHHC7	ENSG00000153786.12	5.852546723	5.852301162	5.481666994
STK17A	ENSG00000164543.5	6.053661901	6.0162193	5.413334262
SNAPIN	ENSG00000143553.10	5.349515737	5.646711261	4.795534649
MTERF3	ENSG00000156469.8	5.660608146	4.922558397	4.961622222
IPO11	ENSG00000086200.16	5.404897728	4.61470737	4.797423677
QSOX2	ENSG00000165661.16	5.511528953	6.03071502	4.671993501
TARS2	ENSG00000143374.16	5.917133124	5.439487682	4.95496921
CUEDC1	ENSG00000180891.12	5.845716514	5.00167045	4.681196288
CXXC1	ENSG00000154832.14	5.573806396	5.474941755	5.143294457
KRAS	ENSG00000133703.11	5.505725541	5.066617847	6.489339426
MTCO1P12	ENSG00000237973.1	4.732481861	6.066158113	5.939026435
HPS5	ENSG00000110756.17	5.470580197	6.489065416	5.048417821
KLHL12	ENSG00000117153.15	5.52638402	5.285568587	4.677891426
GIGYF1	ENSG00000146830.9	4.870962467	5.878991933	4.968151801
BIRC6	ENSG00000115760.13	5.624985912	6.144245992	4.960011286
PAXX	ENSG00000148362.10	5.559494378	5.81453355	4.784594478
MTMR6	ENSG00000139505.11	4.875071011	4.61996333	4.829703545
MAPK8IP3	ENSG00000138834.12	4.794060601	5.010851349	5.601438161
RABEP1	ENSG00000029725.16	6.061518936	4.702162127	5.949418878
HMGCS1	ENSG00000112972.14	4.719945129	6.061466038	5.728366357
ZCCHC11	ENSG00000134744.13	5.361397029	5.018249848	5.184034773
PRPSAP2	ENSG00000141127.14	5.578330964	4.674930047	4.815168189
LSM5	ENSG00000106355.9	5.417901349	5.852103902	4.671550963

ENAH	ENSG00000154380.17	7.490179591	4.842407422	6.304660446
TAP2	ENSG00000204267.13	5.189237897	5.458317895	4.655826412
STK11IP	ENSG00000144589.21	5.274792211	4.75988816	5.074440358
MAPK9	ENSG00000050748.17	5.23679293	4.718546177	5.653875925
PLXNB2	ENSG00000196576.14	6.490157647	8.001657739	8.214590646
SNRPF	ENSG00000139343.10	7.203141004	6.165449362	4.632334458
SOX13	ENSG00000143842.14	4.764039828	5.984024709	5.532750828
GFPT1	ENSG00000198380.12	5.008370064	6.281816344	5.424185692
PDCD11	ENSG00000148843.13	6.843905813	5.141575549	5.178842444
MSMO1	ENSG00000052802.12	4.649044884	6.539046889	6.193016058
COX20	ENSG00000203667.9	5.748130907	4.689127549	7.074038099
CWC22	ENSG00000163510.13	5.011998265	4.983757594	4.827264725
POLR1A	ENSG00000068654.15	5.069155301	5.645629827	4.638457638
ZBED5	ENSG00000236287.7	5.208395731	5.519576037	5.334218857
TEX30	ENSG00000151287.16	5.337996536	4.735396168	4.726776174
EGLN1	ENSG00000135766.8	5.131141181	5.059353989	5.379115562
POM121	ENSG00000196313.11	5.46504542	5.882129416	5.258303606
RDH14	ENSG00000240857.1	5.086404476	4.969884883	4.612460079
SNRNP27	ENSG00000124380.10	5.58102692	5.204930439	4.877605406
PIGX	ENSG00000163964.14	4.622372855	4.786425891	4.984441942
ANAPC7	ENSG00000196510.12	6.480464197	6.23763036	4.777480446
RPE	ENSG00000197713.14	5.317464577	6.341626801	6.044033559
PPP3CA	ENSG00000138814.16	4.854690899	5.177177742	5.91018485
COPS4	ENSG00000138663.8	5.270565417	4.674569698	5.639668038
NECAB3	ENSG00000125967.16	4.812475747	5.3902309	5.796912604
VKORC1L1	ENSG00000196715.5	5.141241712	5.713813643	4.650503994
SNHG16	ENSG00000163597.14	5.674536135	5.634009277	6.491613914
ACVR1	ENSG00000115170.13	4.633196773	5.355380913	5.859065806
MGRN1	ENSG00000102858.12	5.344230751	5.359015313	5.209083463
ARL5A	ENSG00000162980.16	4.643796762	5.49984355	5.113615583
DNAJC14	ENSG00000135392.15	5.76487508	5.658233068	5.164159935
CYHR1	ENSG00000187954.12	4.725619301	5.399583105	5.448939069
SIL1	ENSG00000120725.12	4.750865649	4.90757858	5.087321995
NSRP1	ENSG00000126653.17	5.458865671	5.915773026	6.275978043
USP47	ENSG00000170242.17	4.699042276	4.959512611	5.472611881
FOXK1	ENSG00000164916.10	4.917566156	5.411176356	5.205881088
TP53I13	ENSG00000167543.15	5.047039516	5.404812269	5.695771283
PLPBP	ENSG00000147471.11	4.679708058	5.206715687	5.462281662
R3HDM1	ENSG00000048991.16	5.46361551	5.345677682	5.516775064
TUBB2A	ENSG00000137267.5	4.835276513	6.976257757	4.716752084
INTS10	ENSG00000104613.11	5.813967719	4.646721081	5.182697596
ACBD5	ENSG00000107897.18	5.181534942	4.796768537	4.967213387
PHF6	ENSG00000156531.16	5.467256346	5.054472422	4.740721979
CASP3	ENSG00000164305.18	5.68581228	4.626098296	4.858305203
LZTS2	ENSG00000107816.17	6.378353892	5.320207238	5.935852478
ELP6	ENSG00000163832.15	6.533366462	5.627106232	4.659332452

SAP130	ENSG00000136715.17	4.615803814	5.245065082	4.71367927
KDELC2	ENSG00000178202.12	5.458449067	4.674463526	5.638338716
TELO2	ENSG00000100726.14	5.156368254	4.889521818	5.612205541
CSTF2	ENSG00000101811.13	6.373584637	5.379734236	4.681986935
KCMF1	ENSG00000176407.17	4.692705901	4.691962456	4.64296969
ABL1	ENSG00000097007.17	6.019466119	6.59236159	4.819811299
CSNK1G3	ENSG00000151292.17	5.736863263	4.650259471	5.332253609
HARS2	ENSG00000112855.14	5.935832894	4.903099348	5.002174877
TSN	ENSG00000211460.11	5.049952633	5.800540894	6.503583052
R3HDM4	ENSG00000198858.9	5.290900966	6.347367186	5.528610832
AEN	ENSG00000181026.14	6.253651432	6.860517369	6.632303793
CD46	ENSG00000117335.19	5.47254528	5.177981562	4.785158352
CHCHD1	ENSG00000172586.7	5.746660461	5.193481506	5.777414895
PIKFYVE	ENSG00000115020.16	4.674939703	5.216349246	5.240422593
ACAP2	ENSG00000114331.13	4.626604043	6.06170401	5.711052366
SCNM1	ENSG00000163156.11	6.648457192	5.964925957	4.761997735
CDK13	ENSG00000065883.14	5.407444122	5.287431995	5.393241113
TRAK1	ENSG00000182606.14	4.792901514	5.651385129	5.132636013
COG4	ENSG00000103051.18	5.482932192	5.36300729	5.345262929
KCTD10	ENSG00000110906.12	5.611121172	5.458417674	4.624408813
ADPGK	ENSG00000159322.17	5.196730421	5.303264913	4.755274384
ACOT9	ENSG00000123130.16	5.69765036	4.673722091	4.991217559
NEMF	ENSG00000165525.17	4.810416626	4.65168864	4.908113291
ELP3	ENSG00000134014.16	5.24400331	4.838748465	4.784694758
CDC42SE1	ENSG00000197622.12	6.346407481	6.373130463	5.101949005
SNX12	ENSG00000147164.11	5.40067234	5.630313728	5.894511105
NFYA	ENSG00000001167.14	5.020256499	4.82533739	5.940915691
RAB3GAP1	ENSG00000115839.17	4.611866228	5.158475722	5.297910092
PNISR	ENSG00000132424.14	5.896122933	4.694801422	5.256274948
PPP1R37	ENSG00000104866.10	4.681584921	5.236733685	6.807389717
PDXK	ENSG00000160209.18	4.769978005	5.552137546	5.447201366
ROCK2	ENSG00000134318.13	6.017454164	5.005850744	4.614328892
PMVK	ENSG00000163344.5	5.738268351	5.606538927	4.663299136
CDK6	ENSG00000105810.9	6.050447204	4.99053884	5.146891975
SOX12	ENSG00000177732.8	4.632320846	5.768303328	4.619748353
NEK7	ENSG00000151414.14	6.057943662	4.769118134	6.339022702
NSFL1C	ENSG00000088833.17	5.872259399	6.067727287	4.698765989
STK4	ENSG00000101109.11	5.283302861	4.857422355	5.337989203
BRCA1	ENSG00000012048.20	5.323658224	4.829836526	4.694967461
RNF13	ENSG00000082996.19	4.633376421	5.398405393	5.63183159
SSH2	ENSG00000141298.17	5.190404249	5.891089441	5.511600223
NOM1	ENSG00000146909.7	5.083132482	5.221512495	4.658733144
DTX3L	ENSG00000163840.9	4.975583981	4.582183159	5.564132544
BPNT1	ENSG00000162813.17	6.240411246	4.885784611	4.672369157
ABHD14B	ENSG00000114779.19	6.251730072	4.861317921	4.908082981
PANX1	ENSG00000110218.8	4.616978749	4.759842808	5.299905139

SORT1	ENSG00000134243.11	4.67323478	7.099104831	6.798785072
VPS41	ENSG00000006715.15	4.596340969	6.207713024	5.84176161
ATF2	ENSG00000115966.16	4.788120893	5.223934822	5.595820159
CASC4	ENSG00000166734.18	5.846235692	5.660360002	5.599531122
C11orf98	ENSG00000278615.4	6.86971924	4.86251913	5.926378482
HMGN4	ENSG00000182952.4	6.252715569	6.230497366	6.697088315
SENP6	ENSG00000112701.17	5.605917775	5.328841833	5.421299696
HSPA1B	ENSG00000204388.6	4.575986227	5.258346723	5.217277218
RRP1	ENSG00000160214.12	4.802408231	5.326746619	5.051696109
STRN3	ENSG00000196792.11	4.858256724	4.63645004	5.156620503
HMBS	ENSG00000256269.7	6.057936177	4.592469681	4.979118323
LZIC	ENSG00000162441.11	5.40585477	4.941672538	5.049496825
PPP1R2	ENSG00000184203.7	4.573265235	5.411397761	5.508842154
FLOT2	ENSG00000132589.15	5.74942968	5.672493671	6.23960597
TMEM43	ENSG00000170876.7	6.483386898	6.567795098	4.622278162
TMEM160	ENSG00000130748.6	5.622051952	4.83874589	5.556895059
ITFG1	ENSG00000129636.12	5.49778835	4.659062915	5.608777376
C19orf48	ENSG00000167747.14	6.201693252	5.773099267	4.765809236
ZNF217	ENSG00000171940.13	6.061373503	4.621482711	5.144763508
KIF1BP	ENSG00000198954.7	5.085312649	4.98417752	4.844866555
ITGB3BP	ENSG00000142856.16	5.913635737	5.254036203	5.124367711
QTRT1	ENSG00000213339.8	5.636823686	5.122928862	4.869933459
INPP5F	ENSG00000198825.12	8.16940085	5.146432353	7.101018445
CDK10	ENSG00000185324.21	5.66737254	4.999213283	5.216543809
NAXD	ENSG00000213995.11	5.783317946	4.974735479	4.95834016
IFT52	ENSG00000101052.12	5.41227451	4.823466507	5.432268613
GNB4	ENSG00000114450.9	4.582143916	5.757871007	4.78472748
RAB32	ENSG00000118508.4	4.610910715	7.780624534	6.767838837
DLAT	ENSG00000150768.15	5.4549096	4.718744477	5.361910191
DGAT1	ENSG00000185000.11	5.194060411	4.725889004	4.969390151
BICD2	ENSG00000185963.13	5.495624831	6.485045579	4.607686134
HIRA	ENSG00000100084.14	5.153237432	4.805569833	5.035374206
JARID2	ENSG00000008083.13	4.832326177	5.022518218	5.458870492
LRRC47	ENSG00000130764.9	5.851640429	5.290911302	4.960323983
ATF7	ENSG00000170653.18	4.630164345	4.993690583	4.997529622
BAG3	ENSG00000151929.9	7.138733632	5.305016679	6.160172239
KATNB1	ENSG00000140854.12	5.88159389	4.585167985	4.913012358
TBCD	ENSG00000141556.20	4.624978496	5.045801076	5.679541307
EXOC1	ENSG00000090989.17	5.166273156	4.655607576	4.61754793
ACAD9	ENSG00000177646.18	5.284100644	5.506837095	4.577548584
ECI1	ENSG00000167969.12	5.153373584	4.800450921	5.713963896
RPAP3	ENSG00000005175.9	5.893929575	4.645450022	4.704660381
CDC5L	ENSG00000096401.7	5.086916724	4.725618549	5.19677227
HMGN3	ENSG00000118418.14	6.16697104	5.923376375	4.61353956
PRPSAP1	ENSG00000161542.16	4.855099006	4.923011325	6.531479013
PDRG1	ENSG00000088356.5	4.670661266	4.622737094	5.205308911

TSFM	ENSG00000123297.17	5.562474263	5.028286978	7.033577791
BAIAP2	ENSG00000175866.15	4.870561672	5.092307202	5.943107649
CUX1	ENSG00000257923.9	4.840075886	5.620558593	5.454713777
ZFAND1	ENSG00000104231.10	5.331071341	5.254170827	5.55490748
LEO1	ENSG00000166477.12	6.252965648	5.67722424	4.593403567
POLR1E	ENSG00000137054.15	6.17109979	4.840400308	4.879816204
MAP3K3	ENSG00000198909.7	4.707177142	4.651669955	4.821722461
ZDHC8	ENSG00000099904.15	4.920899315	6.129299992	4.649063836
FLYWCH2	ENSG00000162076.12	5.334959125	5.014268164	5.07982579
ZFYVE16	ENSG00000039319.16	4.772677977	7.235187355	6.410655426
ATRN	ENSG00000088812.17	5.840588562	6.159020154	4.620298373
KAT2B	ENSG00000114166.7	5.288818558	4.853495741	5.506102525
PHKG2	ENSG00000156873.15	4.973259526	5.066637057	4.593872184
CHCHD10	ENSG00000250479.8	4.784973	7.765814602	8.014740714
SELENOF	ENSG00000183291.15	6.107273633	6.184666208	6.529952018
LUC7L	ENSG00000007392.16	5.387419432	4.775587161	4.79325237
SH3BP1	ENSG00000100092.20	4.565745584	5.334700834	5.641153191
INO80E	ENSG00000169592.14	5.844129608	5.013510459	4.920792125
PSMC1	ENSG00000100764.13	7.139290279	6.158963089	4.683667517
FBRS	ENSG00000156860.15	5.728029492	5.017200433	5.728413655
ANXA11	ENSG00000122359.17	7.333576444	6.438989288	6.983670354
VRK2	ENSG00000028116.16	4.863403864	5.065705404	5.25473415
C18orf8	ENSG00000141452.9	4.918542044	5.562507722	5.088092416
PQLC2	ENSG00000040487.12	4.870239398	4.936365216	4.956478188
LIMA1	ENSG00000050405.13	6.494768661	5.656006262	4.868436949
SRSF4	ENSG00000116350.16	5.537830857	5.108344559	5.241968203
NKTR	ENSG00000114857.17	4.981428522	5.052285026	4.742382751
CHTF8	ENSG00000168802.12	5.749170314	5.270678649	4.676653031
MARF1	ENSG00000166783.21	5.812343799	4.759451801	6.315146778
AREL1	ENSG00000119682.16	5.154672808	4.720090498	4.627650048
KLHL7	ENSG00000122550.17	5.121377199	5.445643993	5.590845541
THYN1	ENSG00000151500.14	6.192207887	5.036042302	5.063956514
COPS7B	ENSG00000144524.17	4.573120746	5.581061222	4.989401756
KLHDC10	ENSG00000128607.13	4.574189061	5.585652642	5.730337745
NBPF15	ENSG00000266338.6	5.340227306	5.637576596	4.855891681
ECHDC1	ENSG00000093144.18	5.31527976	5.117430471	5.321398334
PTGES2	ENSG00000148334.14	5.29265359	5.822652058	4.786056977
RAB3GAP2	ENSG00000118873.15	5.469488286	4.535948895	4.671854042
ZNF639	ENSG00000121864.9	4.900053838	4.920149553	4.765897505
NDFIP2	ENSG00000102471.13	5.944420555	4.890932987	5.064362511
ADAM17	ENSG00000151694.12	5.372857746	5.409481078	4.533499135
IRF2BPL	ENSG00000119669.4	6.324238703	5.225068309	5.568004601
ACOT8	ENSG00000101473.16	5.366942252	5.060461651	4.569218911
OSGIN2	ENSG00000164823.9	4.548373106	5.128620218	5.291769291
CBX5	ENSG00000094916.15	6.096925121	4.727627103	5.32691339
SMIM7	ENSG00000214046.8	5.407045981	6.337072297	4.832696787

ASAP2	ENSG00000151693.10	5.054468954	5.171294861	4.529968573
RAVER1	ENSG00000161847.13	6.223129191	5.137548569	5.310108161
IPO9	ENSG00000198700.9	6.08574358	5.036323856	4.569584139
SBF1	ENSG00000100241.20	5.234242035	5.80404332	6.555056042
RAB8A	ENSG00000167461.11	6.187615397	5.578912514	4.815621161
MDC1	ENSG00000137337.14	5.13948879	5.151058961	5.685735151
DGCR6L	ENSG00000128185.9	4.739516589	5.154143317	5.360337044
AMPD2	ENSG00000116337.15	5.739984409	6.174518564	4.629944993
FAH	ENSG00000103876.11	4.713887424	5.670386641	6.782256431
DEAF1	ENSG00000177030.16	4.598595874	5.130006905	4.58207764
ALG2	ENSG00000119523.9	4.895992209	6.091247782	4.65724226
CRYZ	ENSG00000116791.13	5.471884095	6.073203531	4.646876268
MEF2D	ENSG00000116604.17	5.067688239	6.351841665	5.338160755
SMARCAD1	ENSG00000163104.17	5.34697453	4.616515104	4.80239547
OXR1	ENSG00000164830.18	5.107359276	4.673981604	5.806722419
EIPR1	ENSG00000032389.12	5.312646258	5.092228741	4.896393064
PCED1A	ENSG00000132635.16	5.756851006	5.562163707	4.642387862
SUGP1	ENSG00000105705.15	5.697892931	5.450038748	4.578707642
CA5BP1	ENSG00000186312.10	5.112142206	4.527002096	5.158609223
AMD1	ENSG00000123505.15	6.175636105	5.748081148	5.00981156
MOV10	ENSG00000155363.18	5.246759263	5.14724961	4.617972612
PNPLA6	ENSG00000032444.15	6.446133403	5.740674079	5.983709303
SEN2	ENSG00000163904.12	4.6947995	5.777179414	5.041950982
RXRB	ENSG00000204231.10	5.291562549	4.916685961	5.988224135
TNS3	ENSG00000136205.16	5.967666881	6.03259386	4.745261797
NCK2	ENSG00000071051.13	4.57212916	6.843005347	6.742014567
SH3GLB1	ENSG00000097033.14	4.55429978	4.983391689	5.567048569
IRF3	ENSG00000126456.15	5.503472845	5.756495559	5.032206563
MYBBP1A	ENSG00000132382.14	6.822782424	5.286050723	4.740468217
ST3GAL5	ENSG00000115525.17	4.843632473	5.488416504	5.641556953
TP53BP1	ENSG00000067369.13	5.288030937	5.615078404	5.267949416
CRIP1	ENSG00000119878.5	5.722998206	5.329960593	4.569324499
ABHD10	ENSG00000144827.8	5.482302602	5.810235772	4.918636007
HS2ST1	ENSG00000153936.16	4.580057646	5.125898633	5.865169681
SFT2D2	ENSG00000213064.9	6.081714151	7.278410206	4.581064037
IBTK	ENSG00000005700.14	5.931910755	5.185307877	4.567906485
CKAP4	ENSG00000136026.13	6.918670683	6.573859891	4.535951153
MAP3K13	ENSG00000073803.13	4.531028443	5.918513176	5.865628647
ZWINT	ENSG00000122952.16	6.084479234	4.643642622	4.995963732
MRPL55	ENSG00000162910.18	5.409748277	4.631301338	4.766172768
PFDN1	ENSG00000113068.9	5.608379808	4.715692215	6.406642307
CDK5RAP2	ENSG00000136861.17	5.495486048	6.499509159	4.580545383
NCAPG	ENSG00000109805.9	6.61815438	4.58126323	5.326094968
CC2D1B	ENSG00000154222.14	5.502692342	5.344839914	4.949106013
HEBP1	ENSG00000013583.8	4.594064626	5.721668731	5.943015593
MLLT6	ENSG00000275023.4	5.828016458	5.519827326	6.672976088

CAMLG	ENSG00000164615.4	5.766015053	4.545744446	5.499242831
WRAP73	ENSG00000116213.15	6.363053887	5.525752173	5.197551021
TTC9C	ENSG00000162222.13	5.218554222	5.316260525	5.19424925
ABCC5	ENSG00000114770.16	4.550301232	5.666711296	6.091394721
CCDC59	ENSG00000133773.11	6.15720812	5.162806914	5.409238845
PSENEEN	ENSG00000205155.7	5.79490379	5.697529749	4.953937592
LRR42	ENSG00000116212.14	5.045622853	5.619520934	4.62516381
ST5	ENSG00000166444.18	4.679914774	5.772667061	5.917758449
VASP	ENSG00000125753.13	5.942968638	4.992371859	4.733722437
PCID2	ENSG00000126226.21	6.381355168	4.969816155	4.602036591
KLC2	ENSG00000174996.11	5.879479797	5.304573475	6.439541983
TOMM5	ENSG00000175768.12	7.319687497	6.223741462	4.622984566
DPY19L4	ENSG00000156162.16	4.725890396	4.704858193	4.551075605
SSR1	ENSG00000124783.12	5.692785808	5.694949588	6.121786464
SP3	ENSG00000172845.14	5.093550507	5.178966632	5.267725188
GNPNAT1	ENSG00000100522.8	5.581895758	4.578728899	4.926576196
TOM1L1	ENSG00000141198.15	4.835412887	5.680574913	6.295515041
TBC1D17	ENSG00000104946.12	5.365286693	5.559856835	5.831828651
COL6A2	ENSG00000142173.14	6.225240589	4.716735546	6.745928616
PREP	ENSG00000085377.13	6.300203487	5.785615384	4.546232546
SIKE1	ENSG00000052723.11	5.049075551	4.674466275	4.592622389
STX5	ENSG00000162236.11	5.696947606	5.108409618	4.994270738
SLC20A2	ENSG00000168575.9	5.025932767	5.173913993	5.593165332
AC115223.1	ENSG00000243199.1	6.584528233	5.421828921	4.598499192
NPRL3	ENSG00000103148.15	5.842468079	4.587420789	5.259652775
TMEM69	ENSG00000159596.6	5.712679005	5.523188778	4.966577003
KDELR3	ENSG00000100196.10	4.884636703	7.38333096	4.607682452
NFX1	ENSG00000086102.18	5.888673126	4.731816153	4.498644248
TIMM8B	ENSG00000150779.11	5.663677098	5.129648842	5.208490319
CLPX	ENSG00000166855.9	5.796350651	5.578032603	4.968014978
PRMT3	ENSG00000185238.12	5.431107069	5.135167998	4.744732053
WDR83OS	ENSG00000105583.9	7.257604421	5.202322428	4.878138245
NCLN	ENSG00000125912.10	5.565247359	5.965818391	4.737714597
GJC1	ENSG00000182963.9	5.042443885	4.80747257	4.856725501
MYCBP2	ENSG00000005810.17	5.036248403	4.782465811	4.907557998
CNOT10	ENSG00000182973.18	5.796777994	5.149724756	5.19144037
ANXA4	ENSG00000196975.15	5.413775638	5.842117466	5.576468041
FAM192A	ENSG00000172775.16	6.346395388	5.42511904	6.179371921
MTHFS	ENSG00000136371.10	5.44850307	5.58118954	5.649658245
THAP9-AS1	ENSG00000251022.6	4.787310441	5.214161412	5.093279004
NECAP2	ENSG00000157191.19	5.208892224	4.92615107	5.157005836
GRK2	ENSG00000173020.10	5.597205661	5.372482757	5.442985083
ALDH18A1	ENSG00000059573.8	7.074554115	6.23404868	4.53533689
BCAP29	ENSG00000075790.10	4.608291682	5.673258108	5.32654291
LEMD2	ENSG00000161904.11	4.722111782	5.107327262	5.288959579
NAV1	ENSG00000134369.15	4.808947626	5.326316462	4.581427958

NELFB	ENSG00000188986.6	6.034527955	6.059788977	4.62069744
COMT	ENSG00000093010.13	5.74288159	6.15175718	6.410340245
MPHOSPH10	ENSG00000124383.8	6.111373024	5.825345304	4.577066163
LSS	ENSG00000160285.14	4.624396184	5.6691226	5.789118302
MRPL57	ENSG00000173141.4	5.41805488	4.786598873	4.481069681
AC021078.1	ENSG00000230551.4	4.696722686	4.560846778	4.977932303
INTS9	ENSG00000104299.14	4.699060761	4.853009299	5.125424842
SHCBP1	ENSG00000171241.8	6.095599386	4.954861055	4.503984351
SRPRB	ENSG00000144867.11	5.8996146	5.832353509	4.547878287
ING5	ENSG00000168395.15	4.564335846	4.766077686	5.055410774
DNAJB2	ENSG00000135924.15	4.622014447	5.528456888	5.551052908
WDR33	ENSG00000136709.11	4.782737026	4.804654013	4.547378983
TMF1	ENSG00000144747.15	5.032104286	5.085490427	4.669050673
GTSE1	ENSG00000075218.18	5.518969873	4.726175117	4.506304568
CD55	ENSG00000196352.14	6.074220604	5.282007493	6.266936279
HTRA2	ENSG00000115317.11	5.670826736	6.172719289	4.677131882
NIPBL	ENSG00000164190.17	5.038867701	5.236343062	5.325027327
CCDC167	ENSG00000198937.8	4.713455622	5.299914656	5.361801243
RAPGEF1	ENSG00000107263.18	4.855635892	6.714361835	4.877347694
KPNA6	ENSG00000025800.13	5.196388497	5.378877964	4.701916739
IRF2	ENSG00000168310.10	4.963885189	4.54897175	4.957865545
KMT2D	ENSG00000167548.14	5.36334158	5.356486177	4.918663949
YEATS2	ENSG00000163872.15	4.519925555	5.065057862	4.691966923
KDSR	ENSG00000119537.15	5.42763791	5.516387058	4.774792067
AGPAT2	ENSG00000169692.12	4.844950154	6.214419859	6.102383557
C4orf3	ENSG00000164096.12	4.650192061	5.250309484	5.610688052
RTKN	ENSG00000114993.16	5.829528674	6.392762288	4.952642184
PPP1R8	ENSG00000117751.17	5.550897232	4.899675987	4.807078444
UBE2O	ENSG00000175931.12	5.521325886	5.594937904	5.725375254
CIT	ENSG00000122966.15	5.303480257	4.559519576	6.093102225
TOX4	ENSG00000092203.13	4.994754483	4.833856831	5.486772967
UACA	ENSG00000137831.14	5.27801148	5.319818058	4.631117622
DLEU1_2	ENSG00000273541.1	5.580890383	4.670881272	5.890981148
TGFBR2	ENSG00000163513.17	4.86808449	5.313911412	4.683858641
FAM103A1	ENSG00000169612.3	5.299564183	4.881870984	5.216719875
VPS26B	ENSG00000151502.10	5.975663374	4.597938138	5.886619863
HIKESHI	ENSG00000149196.15	5.300199785	5.229318493	5.009733789
MBD1	ENSG00000141644.17	5.081324958	5.413677971	4.890522816
HK2	ENSG00000159399.9	6.06305132	7.261608427	4.610105155
ZC3H18	ENSG00000158545.15	6.419795927	5.565978688	5.7931236
MNT	ENSG00000070444.14	4.842461756	4.849464134	5.43296219
B4GALT2	ENSG00000117411.16	6.017194857	5.847321358	4.751615142
RMND5A	ENSG00000153561.12	5.447218075	5.030049591	4.874504504
ABCB6	ENSG00000115657.12	5.08448785	5.367430695	4.546988731
NECTIN2	ENSG00000130202.9	4.552459258	5.293869801	5.076317113
TLL4	ENSG00000135912.10	4.666537237	4.789257983	5.198444004

CLK2	ENSG00000176444.18	5.907888276	5.425985822	4.500483684
ISCA1	ENSG00000135070.14	6.007987063	6.633050609	4.504297058
PHTF2	ENSG00000006576.16	4.627137119	5.044288897	5.221606007
B3GNT2	ENSG00000170340.10	4.505421255	6.363453764	6.565825301
MVB12A	ENSG00000141971.12	6.648088835	6.415973126	5.675105206
EXOSC9	ENSG00000123737.12	5.915161042	4.502587525	4.948572568
SEH1L	ENSG00000085415.15	5.739528935	5.360705164	4.857771838
ZMYM3	ENSG00000147130.14	5.157142618	5.455791699	4.874723224
FAAP100	ENSG00000185504.16	4.608761996	4.697260822	4.70356928
SLAIN2	ENSG00000109171.14	5.565355102	5.334794729	6.977978127
HERC1	ENSG00000103657.13	4.840102021	5.081993428	5.027999669
UBTD2	ENSG00000168246.5	5.139444932	4.460350087	4.514815927
POGK	ENSG00000143157.11	5.752065168	5.69358597	4.512772323
SRSF8	ENSG00000263465.4	5.453100273	4.854808925	6.028626811
FNTA	ENSG00000168522.12	4.581363879	5.214226749	4.857657683
TCEAL3	ENSG00000196507.10	4.489857412	5.300761838	5.143374101
AKR1A1	ENSG00000117448.13	5.784477925	6.417519924	6.430713543
RRM2B	ENSG00000048392.11	4.859980923	4.946867736	6.629862225
METRNL	ENSG00000176845.12	4.494594175	5.595939883	5.705338072
ATP2B1	ENSG00000070961.15	6.04299596	4.799541446	4.836428783
PIK3C2A	ENSG00000011405.13	4.523946463	5.711067084	5.137745852
MRS2	ENSG00000124532.14	4.621804956	5.362907093	5.218006368
CKAP2	ENSG00000136108.14	6.220074708	4.596997971	4.803513021
PUM3	ENSG00000080608.9	7.485953367	5.957640366	4.562306312
TCEA2	ENSG00000171703.16	5.485480163	5.394220229	4.924963021
CHD6	ENSG00000124177.14	4.639587792	4.949306316	4.829603683
ANLN	ENSG00000011426.10	7.103518166	6.188292152	4.835927234
SPATA20	ENSG00000006282.20	5.082125314	6.274827324	6.611204728
MRPL30	ENSG00000185414.19	5.055654551	5.381844511	4.699320922
TCF3	ENSG00000071564.14	5.217140967	5.468879119	5.0027002
CREBBP	ENSG00000005339.14	5.285366186	4.785721445	4.936538094
NMRAL1	ENSG00000153406.13	5.681312326	5.228312701	5.293878884
POLR3K	ENSG00000161980.5	6.183514338	5.088061405	5.061162612
PACSIN3	ENSG00000165912.15	6.816887677	5.632007246	5.845070577
N4BP2L2	ENSG00000244754.8	4.950189362	5.303218231	5.411573774
MTA1	ENSG00000182979.17	6.81826032	6.899614785	4.478186961
HIBCH	ENSG00000198130.15	4.713437114	5.078322573	5.887762343
MRPL49	ENSG00000149792.8	5.399769184	4.672563625	4.783616194
TMEM128	ENSG00000132406.11	5.124567279	4.600611447	6.600619915
PAK4	ENSG00000130669.17	6.143328597	4.895064706	5.096644109
PHTF1	ENSG00000116793.15	5.536290291	4.585957537	5.49457295
PSMA3-AS1	ENSG00000257621.7	4.782463774	4.513352216	5.810142427
BYSL	ENSG00000112578.9	5.488952909	5.464053009	4.861441043
GUF1	ENSG00000151806.13	5.715486533	5.054210763	6.306323784
DHX32	ENSG00000089876.11	5.925447186	5.210554383	5.755208563
GOSR1	ENSG00000108587.15	5.604167771	5.148884456	5.339860767

GRAMD1A	ENSG00000089351.14	5.870358546	6.202915135	5.897933435
CAVIN3	ENSG00000170955.9	6.510092971	6.205590105	5.067172659
IPO13	ENSG00000117408.10	5.560338198	5.977555339	4.860449975
FUCA1	ENSG00000179163.11	4.452165444	6.036340668	6.072163649
HUS1	ENSG00000136273.11	4.637668369	5.179810634	4.522647625
WDR41	ENSG00000164253.13	5.034317015	4.905486681	4.827157226
C14orf119	ENSG00000179933.5	4.635124326	4.92711168	4.697255823
VPS54	ENSG00000143952.19	4.499268573	4.642196875	4.998177987
GBE1	ENSG00000114480.12	5.557921607	4.511994326	6.327749635
SRGAP2	ENSG00000266028.7	6.412784933	5.202810754	4.608734445
BLZF1	ENSG00000117475.13	5.545299297	5.327195075	4.494679098
IFT172	ENSG00000138002.14	4.575030759	4.718345709	4.483837265
SMURF1	ENSG00000198742.9	4.625226198	6.031271235	4.497749115
GNPTG	ENSG00000090581.9	4.668505556	5.649921025	6.144929786
PKD2	ENSG00000118762.7	4.535258384	4.467940206	5.043041912
RARG	ENSG00000172819.16	5.941137627	4.872613713	4.496618861
DAPK3	ENSG00000167657.13	5.566221437	6.10540058	5.411215994
MOB1B	ENSG00000173542.8	4.782226677	5.403262105	5.36347576
PEX5	ENSG00000139197.10	5.267663731	4.715733648	5.247083165
ZNF410	ENSG00000119725.18	5.209593582	4.538677789	5.073321712
STK36	ENSG00000163482.11	4.574431152	4.727758271	5.443331025
FANCA	ENSG00000187741.14	5.410832246	4.717697386	4.909273441
TNFRSF12A	ENSG00000006327.13	6.783882221	6.490308569	5.330110969
FRYL	ENSG00000075539.14	5.043265847	5.084941726	5.281544758
FAM177A1	ENSG00000151327.12	4.609308682	5.054062381	5.310447447
AHR	ENSG00000106546.12	6.341614754	4.731704358	4.564937835
FLAD1	ENSG00000160688.18	5.761533359	5.793113273	4.78932083
NSD2	ENSG00000109685.17	6.362191828	4.517458874	6.159137735
SOGA1	ENSG00000149639.14	5.428690685	4.475037941	4.612827539
TWSG1	ENSG00000128791.11	4.516723094	5.244307302	4.630088939
IFNAR1	ENSG00000142166.12	5.002638148	4.825778567	4.474971564
RAP1GDS1	ENSG00000138698.14	6.139953028	4.696184263	5.315134205
SS18L2	ENSG00000008324.11	6.013730529	5.738575826	4.528547147
DUSP23	ENSG00000158716.8	5.637073927	6.348408908	4.49077425
SMN1	ENSG00000172062.16	5.516260191	4.463447072	4.795544064
DHX37	ENSG00000150990.7	5.492945764	5.042503286	5.528643696
LYRM2	ENSG00000083099.10	5.16115407	5.018328626	5.323576375
PHF13	ENSG00000116273.5	4.916522125	4.783192476	4.940796108
ZNF282	ENSG00000170265.11	5.525155043	4.787714207	4.542259615
DNAJB14	ENSG00000164031.16	4.472643147	5.425671394	4.969322606
STRADA	ENSG00000266173.6	4.695223614	5.084029555	5.27713612
ITGA6	ENSG00000091409.14	7.419802277	6.276158739	6.069971999
MECP2	ENSG00000169057.21	5.485597111	5.860897753	6.1284401
PHF1	ENSG00000112511.17	4.553807017	5.221612936	6.353557296
ARFGEF1	ENSG00000066777.8	5.151690101	5.045915727	5.389036013
P3H1	ENSG00000117385.15	6.056056733	6.170054844	4.623975924

SHMT1	ENSG00000176974.19	7.101064471	4.851349147	4.508954131
TMEM222	ENSG00000186501.14	5.248537296	4.91770901	4.435058784
GNB5	ENSG00000069966.18	4.582325271	5.022507924	5.031396301
ME2	ENSG00000082212.12	5.270969233	6.106998333	5.818695115
TRMT1	ENSG00000104907.12	5.967680239	5.24371056	4.706744569
NAB2	ENSG00000166886.12	5.858860806	6.155842233	5.140672218
MPHOSPH6	ENSG00000135698.9	5.434253142	4.836892187	4.880755172
RAB11FIP3	ENSG00000090565.15	4.832565171	4.667061639	5.099026277
TIPARP	ENSG00000163659.12	5.454184652	4.795091423	4.616117372
MAN2A1	ENSG00000112893.9	4.760731819	4.465045468	4.894462598
CWC27	ENSG00000153015.15	5.298413406	4.812614634	5.614709208
CAB39	ENSG00000135932.10	5.116867442	5.437214863	5.801290355
ARMC8	ENSG00000114098.17	4.978953264	4.727943591	4.628837758
APBB1	ENSG00000166313.18	4.786579079	6.579113992	6.366234607
ATP8B2	ENSG00000143515.16	6.490552974	7.010668744	4.472826482
PCM1	ENSG00000078674.17	5.976360881	4.589454567	6.967975501
ANAPC13	ENSG00000129055.12	5.495171179	5.372381408	5.104700698
ANO10	ENSG00000160746.12	4.818222407	5.114156191	4.727523264
YIPF1	ENSG00000058799.14	5.04450032	5.228297529	5.186444286
RBM23	ENSG00000100461.17	5.739959607	4.899927751	4.974002684
DNAJC19	ENSG00000205981.6	4.630036881	5.335374581	5.178159762
ATF7IP	ENSG00000171681.12	5.295418877	4.996036008	5.126396483
DCXR	ENSG00000169738.7	5.086952466	4.708672232	6.169231315
EXOSC8	ENSG00000120699.12	6.167022912	4.996961592	4.488142672
APPL1	ENSG00000157500.10	5.586697529	4.941169124	5.387213322
ACAA2	ENSG00000167315.17	5.021177179	5.50831579	5.803767777
PANK2	ENSG00000125779.21	6.59249667	6.77071322	4.569349548
MOGS	ENSG00000115275.11	6.091134618	6.662148155	4.768102127
LMF2	ENSG00000100258.17	4.771692908	6.419109993	5.576267851
KCTD17	ENSG00000100379.17	4.576411375	4.842687479	4.830669416
ATXN2	ENSG00000204842.14	5.814367301	5.269218155	4.570970186
PIK3R2	ENSG00000105647.16	5.839604237	6.291283649	5.716063155
CHMP1A	ENSG00000131165.14	6.386838287	5.801439519	6.473783698
TRIM65	ENSG00000141569.10	5.497741581	5.160197943	4.574311624
ABCD4	ENSG00000119688.20	4.874483274	4.498363811	4.546764155
TBC1D1	ENSG00000065882.15	5.956603027	4.553228547	7.2846496
TMEM9B	ENSG00000175348.10	4.78750542	5.153585767	5.491760465
RTL8A	ENSG00000203950.6	6.13639125	5.526553726	6.5189411
FRG1CP	ENSG00000282826.1	5.224439072	4.546563039	5.433794994
NFU1	ENSG00000169599.12	4.455450592	5.347355887	4.780974271
MED14	ENSG00000180182.10	5.508720766	4.651343458	5.085421528
CDC25B	ENSG00000101224.17	7.671328842	6.593032015	4.534817244
YIPF2	ENSG00000130733.10	6.122494067	5.679814265	4.805327389
PGAM5	ENSG00000247077.6	6.895896221	5.416250477	4.564268791
YY1	ENSG00000100811.12	5.789847482	5.408959756	4.443963485
CDKN3	ENSG00000100526.19	5.077313549	4.525237571	5.167646502

AP2A2	ENSG00000183020.13	4.985552292	4.971412448	4.918890752
TGIF1	ENSG00000177426.20	5.667408316	7.3111512	5.744548463
SETD2	ENSG00000181555.20	5.102347194	5.115541686	4.471642966
RBBP5	ENSG00000117222.13	5.547553857	4.642737382	4.420321142
MRPL22	ENSG00000082515.17	5.119080129	4.466603506	4.531859529
RPAIN	ENSG00000129197.14	5.861303541	4.428852713	4.642272393
MRPS11	ENSG00000181991.15	5.380721496	5.286131706	4.642058057
B4GALT3	ENSG00000158850.14	6.245960826	6.262634451	5.51328555
TJP1	ENSG00000104067.16	5.244542946	5.040157574	5.694389257
IRGQ	ENSG00000167378.8	5.043643547	4.414218642	5.164687467
LMBR1	ENSG00000105983.20	4.67864515	6.225516316	6.457530405
CNOT4	ENSG00000080802.18	4.475278396	4.839993063	5.033535949
KIDINS220	ENSG00000134313.15	5.03384	5.524495263	5.358983668
EXOSC7	ENSG00000075914.12	5.64083629	5.597477207	4.415951418
NDUFA9	ENSG00000139180.10	4.644398803	4.493680841	6.644971919
DIP2A	ENSG00000160305.17	4.449180958	4.728795552	5.079916597
LIG1	ENSG00000105486.13	5.201066237	4.661980984	5.436674521
EMC8	ENSG00000131148.8	5.77534729	5.087901683	4.944499654
MIPEP	ENSG00000027001.9	5.177888112	4.567475157	4.754921388
RBM25	ENSG00000119707.13	5.916769342	5.182372557	4.652991265
UBAP2	ENSG00000137073.21	5.128871109	4.591624115	4.659937368
ANKRD13D	ENSG00000172932.14	4.83312698	5.381692941	4.862159797
LRRC41	ENSG00000132128.16	5.625481231	5.111155899	4.639140298
MED21	ENSG00000152944.8	5.06186621	5.331053748	5.904183852
OGFOD3	ENSG00000181396.12	4.504219799	4.501445429	5.535586949
SLC35F2	ENSG00000110660.14	5.392769146	4.682444351	5.837604836
CTDSP1	ENSG00000144579.7	5.441903006	6.324381229	5.772381457
SRA1	ENSG00000213523.10	5.991689598	4.521272269	5.390689949
ELOA	ENSG00000011007.12	6.280534895	5.462216316	4.405877596
ETV3	ENSG00000117036.11	5.50848359	6.516404389	4.425527284
ADNP	ENSG00000101126.15	5.557109996	5.891675437	4.573812651
PDCD2	ENSG00000071994.10	5.987080587	4.935594755	4.773588652
DHFR	ENSG00000228716.6	6.232546258	4.634369755	5.468140883
C1orf174	ENSG00000198912.10	4.980489376	4.826662504	4.43058023
OTUD6B-AS1	ENSG00000253738.1	4.753902193	4.453134396	5.349291966
THOP1	ENSG00000172009.14	5.259078591	5.874347994	4.488837858
YPEL5	ENSG00000119801.12	4.980514289	5.01123447	5.244662311
MEF2A	ENSG00000068305.17	4.443615042	4.491059519	5.852872147
EFR3A	ENSG00000132294.14	4.849260579	4.707027809	4.858072596
NUDT3	ENSG00000272325.1	4.662874637	4.790654603	5.154241035
POGZ	ENSG00000143442.21	5.603162414	5.240689709	4.747821295
YTHDF2	ENSG00000198492.15	5.163370576	5.125717383	5.603300184
RPF2	ENSG00000197498.12	5.831362403	5.109683463	4.893880116
SNRPD1	ENSG00000167088.10	5.712012919	5.194272068	4.433914682
CLDN12	ENSG00000157224.15	5.282478119	6.947558008	6.299088998
VPS45	ENSG00000136631.12	5.66917959	5.03247825	4.597268369

AP1AR	ENSG00000138660.11	4.862635607	4.855468849	4.569480555
FAM168A	ENSG00000054965.10	5.50235609	4.904208273	5.933036813
CIR1	ENSG00000138433.15	5.176813104	5.802241744	5.423676979
RIOK3	ENSG00000101782.14	5.344262196	5.438456172	4.971113049
OSBPL2	ENSG00000130703.15	4.582118277	5.004656403	5.530225358
PRR7	ENSG00000131188.11	5.656894871	5.355961607	4.804450857
COIL	ENSG00000121058.4	4.859096718	4.910235203	5.302557131
PRAF2	ENSG00000243279.3	6.40874726	5.329891464	4.458957065
AHCTF1	ENSG00000153207.14	6.910713663	4.556741724	5.002632289
DIP2B	ENSG00000066084.12	5.42551898	5.961603245	5.433769651
PSMC3IP	ENSG00000131470.14	5.657178774	4.604621948	4.413338253
TIPIN	ENSG00000075131.9	5.287752085	4.588456873	4.641550954
THRA	ENSG00000126351.12	4.59968544	5.146013294	5.089723614
MBD2	ENSG00000134046.11	4.778742637	5.182211507	4.620894797
SAV1	ENSG00000151748.14	4.975229293	4.689648919	5.170053722
FBXO38	ENSG00000145868.16	5.289384722	4.400561782	4.994831659
NEAT1	ENSG00000245532.7	5.763523094	7.337521643	7.555244078
TRIM24	ENSG00000122779.17	5.054653417	4.399122756	5.402960606
PIK3R4	ENSG00000196455.7	5.567352665	5.435451631	4.439351728
POP4	ENSG00000105171.9	5.49904301	5.664179723	5.231539937
TMEM245	ENSG00000106771.12	5.24801513	6.225594681	4.416820326
MREG	ENSG00000118242.15	4.396219153	8.167018216	7.36524356
ZNF770	ENSG00000198146.4	5.520209106	5.105273589	5.599716788
PFN2	ENSG00000070087.13	6.274477265	7.121511751	7.905604115
RARA	ENSG00000131759.17	5.505214522	5.554618673	6.209129055
CEP70	ENSG00000114107.8	4.742402925	4.586923965	5.315168147
CHAF1A	ENSG00000167670.15	6.280126223	5.63823112	4.559842674
PITPNA	ENSG00000174238.14	6.335717608	5.453163059	5.241788699
FN3KRP	ENSG00000141560.14	4.414956368	4.911157406	4.596637724
TBC1D15	ENSG00000121749.15	5.905183688	5.459835468	4.538909062
ZNF697	ENSG00000143067.4	4.916574602	5.65621173	6.810328858
ERAP1	ENSG00000164307.12	5.600839001	4.48194641	5.713119837
ANKFY1	ENSG00000185722.16	5.165325619	4.600269819	4.496155488
CHORDC1	ENSG00000110172.11	5.680018575	4.718593472	4.482621654
MAIP1	ENSG00000162972.10	4.539197526	5.039651592	4.652140635
PNPO	ENSG00000108439.10	5.510440415	5.623204971	5.722994661
RIPK1	ENSG00000137275.13	4.472376662	4.698031593	4.802228215
TGS1	ENSG00000137574.10	5.560568836	4.488847682	4.460089915
TBL2	ENSG00000106638.15	4.88899745	5.964728914	4.583964543
C1orf198	ENSG00000119280.16	5.189997973	4.427898704	4.394159258
KDM3A	ENSG00000115548.16	4.585388172	5.012615857	4.891503043
PMM2	ENSG00000140650.11	6.471008574	6.184262075	4.931965034
GOLGA3	ENSG00000090615.14	5.662116653	5.901678417	4.466070805
MSRB1	ENSG00000198736.11	5.244874435	4.797412224	4.78584988
POLDIP3	ENSG00000100227.17	5.587816462	4.812996306	5.051668248
FAM98B	ENSG00000171262.11	5.825424021	5.010580113	4.752227251

TCEAL4	ENSG00000133142.17	5.126733611	5.966147954	5.372064814
MRM2	ENSG00000122687.17	5.540300157	5.105158358	4.593477141
UIMC1	ENSG00000087206.16	5.308921567	4.662733623	4.716842527
WDR13	ENSG00000101940.17	5.59563304	5.186196123	5.563543957
TOMM40L	ENSG00000158882.14	4.989810152	5.127746136	4.74666638
TMEM97	ENSG00000109084.13	5.26461208	4.787692345	4.939993742
GLOD4	ENSG00000167699.13	5.051883242	4.611077995	5.269587395
EIF2B3	ENSG00000070785.16	5.646804731	4.807375192	4.420884648
TERF2	ENSG00000132604.10	5.323626582	4.444868966	4.9367812
RNF187	ENSG00000168159.11	5.50994704	4.480714053	5.634512425
IKBKB	ENSG00000104365.13	4.476794529	5.111681715	5.495501863
ARPC5	ENSG00000162704.15	7.021736627	5.943435123	5.725380036
ERLIN2	ENSG00000147475.14	4.395171026	4.969459964	4.737507217
ARL2BP	ENSG00000102931.7	5.56338508	4.785440819	5.487898849
TMEM201	ENSG00000188807.12	5.382964864	5.261267061	5.683386911
CREM	ENSG00000095794.19	5.143126006	6.324309021	4.703244117
CENPX	ENSG00000169689.14	4.948252734	4.751152931	4.829214633
MAPRE2	ENSG00000166974.12	5.123055502	5.474741959	4.934283645
SLC4A7	ENSG00000033867.16	5.651509333	5.12056447	4.667740073
ABHD16A	ENSG00000204427.11	4.630197384	5.350769663	5.21143257
PTS	ENSG00000150787.7	6.295702523	5.318706458	4.385415369
TMEM5	ENSG00000118600.11	5.371071739	5.148747666	5.32101779
JMJD8	ENSG00000161999.11	6.56419452	4.589640449	5.100612495
VCL	ENSG00000035403.17	5.348407369	5.268765307	4.566806399
RSF1	ENSG00000048649.13	4.64290513	4.604142387	4.607919944
DLEU1_1	ENSG00000276089.1	5.513705009	4.525448156	5.906008626
CHD2	ENSG00000173575.20	4.954568431	5.218440378	5.94522185
PHKB	ENSG00000102893.15	4.899386467	4.594407615	5.669182473
ZNF787	ENSG00000142409.5	5.532185313	4.438291	6.140544708
DDB2	ENSG00000134574.11	5.574433802	5.99643898	6.272063121
SYVN1	ENSG00000162298.18	5.525480347	5.652053704	5.911877498
NCOA5	ENSG00000124160.11	5.929294546	4.483609898	4.939282465
TMEM9	ENSG00000116857.16	6.148270622	6.149311248	4.547000443
CD99L2	ENSG00000102181.20	4.869525807	5.518520209	4.414571925
RNF34	ENSG00000170633.16	5.647725115	5.187132924	5.725919851
MRPS17	ENSG00000239789.5	4.960261076	5.342495892	4.438481104
CISD3	ENSG00000277972.1	5.376376873	5.205257056	4.665704762
KDM5C	ENSG00000126012.11	6.561251447	6.201910014	6.306600928
ZW10	ENSG00000086827.8	5.792335031	4.575999288	4.414795599
EXTL2	ENSG00000162694.13	4.810178849	4.848960472	4.646478481
IDH2	ENSG00000182054.9	4.898789017	4.585826737	4.503445211
ANAPC1	ENSG00000153107.11	4.484396145	5.117730202	4.447755413
DPH1	ENSG00000108963.17	5.126765041	4.520417661	5.224757568
HSBP1	ENSG00000230989.6	5.978849009	4.531203818	4.621714993
FAM45A	ENSG00000119979.16	5.018152808	5.077293479	4.693450016
DPH3	ENSG00000154813.9	4.858248833	5.177132426	4.692917834

FLCN	ENSG00000154803.12	4.670406856	4.415417812	5.759764673
SS18L1	ENSG00000184402.14	4.408407036	4.724165023	5.509235706
SETDB1	ENSG00000143379.12	6.019356366	5.140570606	4.819859148
NARS2	ENSG00000137513.9	4.790544277	5.549363006	5.278542339
XYLT2	ENSG00000015532.9	4.918310087	5.761131973	5.20214772
CHMP2B	ENSG00000083937.8	5.48369761	5.657687328	4.947579807
SAMD1	ENSG00000141858.11	7.007780927	5.11240496	4.399955367
HSPG2	ENSG00000142798.17	4.5021971	5.586508984	4.675719269
PIGK	ENSG00000142892.14	4.915437069	5.19739676	4.466589522
SERTAD2	ENSG00000179833.4	5.363474002	5.442055337	5.437297208
BCL2L12	ENSG00000126453.9	5.240730817	5.147432208	4.409169372
UGDH	ENSG00000109814.11	5.414646398	6.146988333	6.112287102
DHX33	ENSG00000005100.12	5.550438337	4.698206673	6.28338002
TJAP1	ENSG00000137221.14	4.996128982	5.112313006	5.229881093
TUBB3	ENSG00000258947.6	7.289187428	8.893408004	4.898400991
TAB3	ENSG00000157625.15	5.261445319	4.429226855	5.847334962
ZDHHC9	ENSG00000188706.12	4.46429244	5.341788482	5.251971577
MAK16	ENSG00000198042.10	5.88057687	4.699813375	4.406821192
CDC6	ENSG00000094804.9	6.204633606	5.870273057	4.420155411
RNF123	ENSG00000164068.15	5.497392805	5.420198839	4.705453836
CASP4	ENSG00000196954.13	5.899821958	4.376814314	6.897574033
PKN2	ENSG00000065243.19	4.938182576	4.401365819	4.752945753
MRPS31	ENSG00000102738.7	5.885418883	4.590290049	4.939612852
CMTM3	ENSG00000140931.19	5.349805091	5.486344221	6.515500188
PPME1	ENSG00000214517.9	5.869863996	5.73020185	5.080093478
PCF11	ENSG00000165494.11	4.558489161	4.733774264	5.375613907
SPRYD3	ENSG00000167778.8	4.732135128	5.103256397	4.898360726
STAT5B	ENSG00000173757.9	4.603361593	5.349912017	5.636903578
ITPRIPL2	ENSG00000205730.6	5.289376054	4.344043845	4.706887303
RBM19	ENSG00000122965.10	5.117828057	5.323848806	4.382283992
LBR	ENSG00000143815.14	6.28639242	4.403568725	4.346181966
AARS2	ENSG00000124608.4	4.907686837	5.050485226	6.129637536
CAMTA2	ENSG00000108509.20	6.785764824	4.467353325	7.103926898
TAB2	ENSG00000055208.18	5.230243514	4.985435251	4.791985052
GAA	ENSG00000171298.12	5.686670779	6.08936204	4.972153765
TSC22D1	ENSG00000102804.14	6.838617317	5.437553467	6.827181956
C6orf47	ENSG00000204439.3	4.444551316	4.713023379	4.946473014
TARBP2	ENSG00000139546.10	5.380963171	5.040775489	4.416821468
TCAF1	ENSG00000198420.9	5.136379082	5.486515005	4.408171984
UQCC2	ENSG00000137288.9	4.867595249	4.605535059	4.578204328
TNK2	ENSG00000061938.17	4.493437261	5.388572774	4.793837476
NEMP1	ENSG00000166881.9	5.184560891	4.983654	4.336592461
MIEN1	ENSG00000141741.11	5.119936318	5.2746788	5.930595439
AAGAB	ENSG00000103591.12	5.777018141	5.803353541	5.82264518
GATD1	ENSG00000177225.16	4.363658832	5.27206389	5.163612848
NIP7	ENSG00000132603.13	6.103412845	5.171538384	5.540371079

MPC1	ENSG00000060762.18	5.633672618	4.568198707	5.581147009
KNOP1	ENSG00000103550.13	5.574888877	5.043208353	5.178145284
FAM84B	ENSG00000168672.3	8.203799115	4.44193718	7.514073599
CARHSP1	ENSG00000153048.10	6.323831844	5.076172803	4.40481349
ADI1	ENSG00000182551.13	6.99682186	5.935065015	4.822684785
SENP5	ENSG00000119231.10	4.433113552	4.890669732	4.499913794
DBR1	ENSG00000138231.12	5.080474884	4.809821677	4.347321472
EDC3	ENSG00000179151.11	5.504882956	5.848152635	5.063255426
INTS12	ENSG00000138785.14	4.794726347	4.543043195	5.208429323
POLR3D	ENSG00000168495.12	5.467257872	4.459234564	4.642553954
PMF1	ENSG00000160783.19	5.827232827	5.273884525	4.328457216
SURF2	ENSG00000148291.9	6.537245709	5.818978364	4.384761814
PRKRIP1	ENSG00000128563.13	4.762249735	5.202366203	4.526309603
ABCD1	ENSG00000101986.11	4.67990467	6.842462251	5.788020754
DAAM2	ENSG00000146122.16	5.124177008	5.750145595	5.904228132
MARCH7	ENSG00000136536.14	4.67250578	5.326450643	5.461496401
TMEM185B	ENSG00000226479.3	4.407616332	5.318497577	5.098344733
TMEM70	ENSG00000175606.10	5.374099597	4.516633537	5.060865966
NUS1	ENSG00000153989.7	5.247561633	4.912513533	4.375344175
MFSD14A	ENSG00000156875.13	5.66116217	5.425540034	5.37783601
DUSP11	ENSG00000144048.10	5.130917325	5.283285245	4.399662829
PRADC1	ENSG00000135617.3	5.093911395	4.55256803	4.354196658
SUDS3	ENSG00000111707.11	5.067845801	4.92140057	5.4254124
SPHK1	ENSG00000176170.13	4.387635862	7.01404144	4.805517944
SUMF1	ENSG00000144455.13	4.318717909	5.395554537	4.689369961
XPO4	ENSG00000132953.16	4.685777451	4.7157465	4.600451906
TOB2	ENSG00000183864.4	5.273875278	5.400375351	4.341001184
TMEM94	ENSG00000177728.16	4.872577572	5.339339114	5.92329969
FAM13B	ENSG00000031003.10	4.372685645	4.833126736	4.389602146
ADO	ENSG00000181915.4	5.017387735	5.178098414	4.875005756
UAP1L1	ENSG00000197355.10	4.474916742	6.426212859	5.569355034
RBPMS	ENSG00000157110.15	4.435198304	4.786794378	5.062483566
INTS6	ENSG00000102786.14	4.805872645	4.844580903	4.563129307
HDAC6	ENSG00000094631.18	4.407923726	4.712584961	5.178771513
TPMT	ENSG00000137364.4	4.389046654	5.109941026	5.15195328
YAE1D1	ENSG00000241127.7	5.596185731	5.538315584	4.933822504
ATF6	ENSG00000118217.5	5.146042277	5.591450845	5.193211113
PLEKHO2	ENSG00000241839.9	4.387611882	6.124927593	6.412098578
SEPHS1	ENSG00000086475.14	5.694644677	5.069961774	4.603860359
DDHD2	ENSG00000085788.13	4.722112698	4.666060703	5.371509858
LUZP1	ENSG00000169641.13	5.016551949	4.932504725	4.715842136
RBM33	ENSG00000184863.10	4.793488989	4.689262903	5.080246878
GAS8	ENSG00000141013.16	4.337970559	6.008290262	4.608573723
FMNL2	ENSG00000157827.19	5.712349307	6.311388907	5.841822621
KIF13A	ENSG00000137177.19	4.834750328	4.812980219	4.667203199
AKAP11	ENSG00000023516.8	5.250129516	5.134875021	4.831346466

SEPT8	ENSG00000164402.13	5.163981708	4.482254304	5.295336605
SYMPK	ENSG00000125755.18	6.57297772	5.685950539	5.322226168
TUBGCP3	ENSG00000126216.13	6.043071886	4.418631614	4.365501958
STAU2	ENSG00000040341.17	4.932545371	5.412559494	6.166252641
ZNF512B	ENSG00000196700.8	5.15363166	4.363018226	4.794005362
MAST2	ENSG00000086015.20	5.12039006	5.133486867	5.524500676
OXSR1	ENSG00000172939.8	5.985155063	6.014364055	4.348882676
ZNHIT3	ENSG00000273611.4	5.507311655	5.542385955	5.659317416
TTC4	ENSG00000243725.6	4.957779876	4.85875572	4.409863329
SLC30A9	ENSG00000014824.13	5.665680106	4.432286661	6.402807889
TNFAIP1	ENSG00000109079.9	5.809438629	5.584453031	5.106148377
QSER1	ENSG00000060749.14	5.487155732	5.282092868	5.21376812
ATF1	ENSG00000123268.8	5.489593721	4.784303968	4.523134819
NFATC2IP	ENSG00000176953.12	5.250367728	4.605170256	4.479089777
TRIM33	ENSG00000197323.11	5.771413813	5.66839557	4.368588648
KLF16	ENSG00000129911.8	4.424557118	5.483760195	4.819030949
SLC35D2	ENSG00000130958.11	4.955947031	5.592328241	5.00214129
HJURP	ENSG00000123485.11	5.860437787	5.380256589	4.453504075
SNAP23	ENSG00000092531.9	4.614949054	5.634716643	4.914746735
USP24	ENSG00000162402.13	5.332777644	4.863062422	4.381916115
AGGF1	ENSG00000164252.12	5.22525546	4.674032431	4.37913982
RGS19	ENSG00000171700.13	4.683766726	4.894799487	4.604996611
SOAT1	ENSG00000057252.12	5.621989898	4.655050895	7.049528719
FBXO32	ENSG00000156804.7	4.443821866	7.046033456	6.502532223
ATG4D	ENSG00000130734.9	5.315497957	6.196690838	5.541363858
VPS33A	ENSG00000139719.9	5.308095512	5.079948734	4.597909612
ZCCHC9	ENSG00000131732.11	5.41765924	5.110246807	4.456720325
RBM27	ENSG00000091009.7	5.429648278	4.35347851	4.830560804
SEPT11	ENSG00000138758.11	6.465177391	6.35325455	6.827378018
WASHC4	ENSG00000136051.13	5.677669688	5.50549422	4.328281075
DPM3	ENSG00000179085.7	6.22801523	5.877278681	4.404148789
POLB	ENSG00000070501.11	5.209780962	5.776517602	5.94382527
MMD	ENSG00000108960.7	4.397684653	5.113148409	4.412704114
AASS	ENSG00000008311.14	4.769978405	5.362129637	4.627493363
TRIM56	ENSG00000169871.12	4.298402556	4.624483051	4.761321431
SELENOK	ENSG00000113811.10	5.691037942	5.572713269	4.67880922
RAI1	ENSG00000108557.18	5.839387679	5.576077359	5.650726542
SPATS2	ENSG00000123352.17	4.697588763	5.438502102	4.714891108
IL17RC	ENSG00000163702.18	4.64033072	4.719166052	4.898970076
METTL13	ENSG00000010165.19	6.504070486	5.398543751	4.625887998
SFXN4	ENSG00000183605.16	5.752766366	5.047474001	6.155447186
AKAP8	ENSG00000105127.8	5.357367926	4.812097668	4.515135626
TOP3A	ENSG00000177302.14	6.634383182	4.378903386	4.860497206
SLC35E1	ENSG00000127526.14	5.474720973	6.038293043	4.642322015
AKIP1	ENSG00000166452.11	4.564622366	5.16502864	5.382136778
SMCHD1	ENSG00000101596.14	4.725525726	5.086752813	4.856434098

BACH1	ENSG00000156273.15	4.74847943	4.747100869	5.611482132
EAF1	ENSG00000144597.13	5.455965461	5.437037021	4.757219134
RHBDD3	ENSG00000100263.13	4.499620125	5.103705105	4.890826174
PPT2	ENSG00000221988.12	5.729836966	5.605914376	4.608403079
NDUFAF6	ENSG00000156170.12	5.002348795	4.666948257	4.327816633
COQ5	ENSG00000110871.14	5.379882571	4.937086596	6.497071385
NPAT	ENSG00000149308.16	4.298333755	4.682350924	4.723467824
DMXL1	ENSG00000172869.14	4.638701034	5.101352625	5.383057582
MUS81	ENSG00000172732.11	5.300024823	4.812150476	5.411863951
NUP43	ENSG00000120253.13	5.852133279	4.449026138	4.299601315
TMEM60	ENSG00000135211.5	4.358412902	5.82038494	4.96031746
USE1	ENSG00000053501.12	6.768887821	5.556739717	4.539162466
NUP54	ENSG00000138750.14	5.20418577	5.319499441	4.364823134
ARSB	ENSG00000113273.15	4.412276334	4.40929787	5.968983676
EVI5	ENSG00000067208.14	4.339304888	4.805528043	4.630456052
NELFA	ENSG00000185049.14	5.476817381	4.475295723	6.614002863
PPP2R3C	ENSG00000092020.10	4.538025566	4.399587856	5.218697086
AFMID	ENSG00000183077.15	4.615093443	5.386833258	5.061728815
UBE2N	ENSG00000177889.9	5.905286509	5.330512025	4.318749946
ACAA1	ENSG00000060971.17	5.551814517	6.55461183	4.357889896
RCOR3	ENSG00000117625.13	5.543593515	4.349138385	4.443334497
OCRL	ENSG00000122126.15	4.62337056	5.289438122	5.173504128
TNKS2	ENSG00000107854.5	5.537289493	5.112087846	5.434515378
TEAD4	ENSG00000197905.8	5.645892298	4.36131808	6.125220022
NUDT19	ENSG00000213965.3	5.116727139	4.947189461	4.885508176
DDX10	ENSG00000178105.9	5.314259133	4.37289731	4.972203382
FARP1	ENSG00000152767.16	6.072842045	5.81575765	6.334791268
GRPEL1	ENSG00000109519.12	5.377694458	4.314468011	5.927755658
FMC1	ENSG00000164898.12	5.011215696	4.456001092	4.696561796
OMA1	ENSG00000162600.11	5.497341734	4.510229198	4.571520028
GTPBP1	ENSG00000100226.15	4.50789	5.178663091	5.607785421
UBXN8	ENSG00000104691.14	4.853070987	5.065697525	4.725649865
KDM1B	ENSG00000165097.13	4.71643169	4.280982652	5.803702581
SPPL3	ENSG00000157837.15	5.118479566	5.057253603	6.211919836
PRKD2	ENSG00000105287.12	5.683773844	5.18325959	5.715803054
PLAA	ENSG00000137055.14	7.276355344	4.962846534	5.196055938
ESF1	ENSG00000089048.14	5.79602545	5.996710056	4.296561361
ANKZF1	ENSG00000163516.13	4.696055933	4.585986264	4.833908648
OTUD4	ENSG00000164164.15	5.519420556	4.414707033	4.708751004
ZNF394	ENSG00000160908.14	4.9904031	5.116718445	4.439272056
EXOSC2	ENSG00000130713.15	6.438915248	5.361337933	4.33923174
AURKB	ENSG00000178999.12	6.712160531	5.649198791	4.512432434
SLC25A22	ENSG00000177542.10	5.860125236	5.645162673	5.012181891
TMEM256	ENSG00000205544.3	5.543613016	5.322993062	4.336978373
NSMCE4A	ENSG00000107672.14	6.192670976	4.392728415	4.607542178
KIF3C	ENSG00000084731.14	4.937400607	5.826336945	5.316403132

GAPVD1	ENSG00000165219.21	5.733189708	5.708143589	4.518438192
CDC20	ENSG00000117399.13	8.087366662	6.27766614	4.404469298
TXNDC17	ENSG00000129235.10	6.245518082	4.539436121	4.447224633
TAF5L	ENSG00000135801.9	5.663743679	4.327418818	4.412342096
SCAF4	ENSG00000156304.14	5.215722141	4.307927982	4.961846168
NARF	ENSG00000141562.17	4.855020721	5.493209563	6.218743962
SARS2	ENSG00000104835.14	5.609734233	4.754490772	4.6612318
MINPP1	ENSG00000107789.15	6.3816016	5.315384161	4.692067811
REXO1	ENSG00000079313.13	4.649218928	5.014613379	4.90686083
MPHOSPH9	ENSG00000051825.14	5.093204829	4.350099607	5.212028523
BRAT1	ENSG00000106009.15	5.118645932	6.013015749	4.380009024
MTFP1	ENSG00000242114.5	5.14380234	4.644836291	5.420789234
DIS3L	ENSG00000166938.12	4.683334494	4.361617291	4.40599599
CCDC12	ENSG00000160799.11	5.596081448	5.353941592	4.335679249
TCF19	ENSG00000137310.11	5.469441277	4.305770373	4.978318554
REXO4	ENSG00000148300.11	5.766397817	5.646344563	4.326501319
RECQL5	ENSG00000108469.14	4.873731262	5.264715838	5.096133563
BMS1	ENSG00000165733.7	5.524093212	4.569484598	4.312850749
USP21	ENSG00000143258.15	5.581461261	5.284308942	4.593479604
CEP104	ENSG00000116198.12	5.174912135	4.948330115	5.358755563
APTX	ENSG00000137074.18	5.368076669	4.925386736	4.298203915
RAB22A	ENSG00000124209.3	4.294592189	4.291750967	5.526223882
TMEM181	ENSG00000146433.8	5.640551875	4.775322473	4.916398849
TIMELESS	ENSG00000111602.11	5.599251429	4.388285632	4.587946957
DIS3	ENSG00000083520.14	5.697675309	4.988092163	4.609126171
UNG	ENSG00000076248.10	5.976605246	5.388229125	4.397265784
CXorf56	ENSG00000018610.13	5.341229128	4.999344295	5.003521874
PPP6C	ENSG00000119414.11	5.774607968	6.381676129	4.939144483
LIX1L	ENSG00000271601.3	6.040879074	5.615889849	4.368554347
NSMF	ENSG00000165802.22	5.594835669	6.161130867	7.040742879
CRAT	ENSG00000095321.16	4.796669264	5.131386026	4.369938781
SLC25A24	ENSG00000085491.15	5.304369908	4.790667702	4.289810513
WAPL	ENSG00000062650.18	5.700451914	4.967912006	4.965439472
THAP12	ENSG00000137492.7	5.766072885	4.444368692	5.153748057
ZBTB38	ENSG00000177311.11	7.46073426	7.403127964	5.511231751
NCBP1	ENSG00000136937.12	6.322401549	6.128183919	4.319463602
GMPR2	ENSG00000100938.17	5.132221717	4.432722948	4.623547691
PARP9	ENSG00000138496.16	4.359106398	4.390338086	5.735281424
AGA	ENSG00000038002.8	5.577830209	4.670173686	4.295213973
ERLIN1	ENSG00000107566.13	5.202520169	4.726942407	4.430700404
TTL	ENSG00000114999.7	4.569254227	5.228871621	4.308744193
TSPYL1	ENSG00000189241.6	5.579911011	5.388423908	5.312362832
LSM3	ENSG00000170860.3	5.307348318	4.9694168	4.354190525
C1D	ENSG00000197223.11	5.076356221	4.518308644	4.370765771
ICK	ENSG00000112144.15	4.320210128	4.453389322	5.117897246
INTS4	ENSG00000149262.16	5.322283581	5.15987946	5.147943366

RSRC1	ENSG00000174891.12	5.691628786	5.309000634	5.467883305
YEATS4	ENSG00000127337.6	6.16022964	4.57630848	5.6322118
TPST1	ENSG00000169902.13	4.722135487	6.009742897	4.330123304
MAN2A2	ENSG00000196547.14	5.008693125	5.906352817	5.388080286
SLC25A44	ENSG00000160785.13	5.65827974	5.054715879	4.277627514
POFUT2	ENSG00000186866.16	4.450317232	6.350733727	5.373979109
SYS1	ENSG00000204070.9	5.436028493	4.484201647	5.026077233
PFAS	ENSG00000178921.13	6.072977588	4.605611472	4.298027269
CCPG1	ENSG00000260916.7	4.516067868	5.038790155	7.028507105
PUS1	ENSG00000177192.13	5.580578919	5.073788603	5.638814851
GEMIN5	ENSG00000082516.8	5.726833855	4.809947924	4.623426886
HPF1	ENSG00000056050.6	5.011626861	4.474224867	4.311767956
C12orf49	ENSG00000111412.5	4.398521494	5.617593706	4.580727612
IER5	ENSG00000162783.10	4.304629159	4.695712397	4.860235328
CAD	ENSG00000084774.13	6.301862355	6.117781252	4.484063111
TRAF2	ENSG00000127191.17	4.784305562	5.323332906	5.416659385
RP9	ENSG00000164610.8	5.108920645	5.330093373	4.906296957
RPAP1	ENSG00000103932.11	5.532608753	5.422562925	4.995028115
SHISA4	ENSG00000198892.6	5.31743754	4.976850685	4.678481227
EXOC3	ENSG00000180104.15	5.569886961	5.862067232	6.275518239
RNF19B	ENSG00000116514.16	4.911088613	4.934263849	5.824278489
GCC1	ENSG00000179562.2	4.633113913	5.17375953	5.187462142
SLC6A8	ENSG00000130821.15	6.843366801	7.507998995	7.32707253
PIGQ	ENSG00000007541.16	5.017471618	4.821030482	4.395682756
ARNT	ENSG00000143437.20	4.934442332	5.419584221	4.577495614
DRAM2	ENSG00000156171.14	4.262490218	4.84607886	5.251266574
SLC41A1	ENSG00000133065.10	6.033169626	4.290160892	5.018250601
CHTF18	ENSG00000127586.16	5.245614149	4.494521965	4.411248562
AGPAT3	ENSG00000160216.18	4.809743797	4.808965087	5.344894015
FAM160B2	ENSG00000158863.21	4.37249918	4.789111969	5.428397776
GATAD2B	ENSG00000143614.9	6.025744047	5.39726186	4.612842923
EHD4	ENSG00000103966.10	5.511067361	4.515242538	5.00079111
KLHL17	ENSG00000187961.13	4.567363775	5.181696676	4.969934504
CEP164	ENSG00000110274.15	5.712493983	4.411813313	5.328741495
PCOLCE	ENSG00000106333.12	8.369175553	4.611382486	4.90909788
TRUB1	ENSG00000165832.5	5.373512284	4.779309402	5.444514282
COMMD8	ENSG00000169019.10	5.439517693	4.355812757	5.896598515
CHKA	ENSG00000110721.11	4.279391776	5.617897506	6.884945746
PLAGL2	ENSG00000126003.6	4.344850354	4.292102997	4.842654154
EPN1	ENSG00000063245.14	7.271674707	5.455750782	7.092049402
POLD1	ENSG00000062822.12	6.247645686	5.641883303	4.455838139
MAP3K2	ENSG00000169967.16	4.327658343	4.737825073	4.663472386
SLC25A17	ENSG00000100372.14	4.787325392	5.011866902	4.663255398
OGFOD1	ENSG00000087263.16	6.049628294	5.097622669	5.372789127
ZKSCAN5	ENSG00000196652.11	4.361678416	4.750242792	4.325866187
NR2C2	ENSG00000177463.15	5.233141627	5.077239164	5.236455807

MOCS2	ENSG00000164172.18	5.790378782	4.94261341	5.203244713
LAGE3	ENSG00000196976.7	5.085202275	5.195983342	4.298600406
PABPC1L	ENSG00000101104.12	6.001777039	6.15901537	7.138257182
STRIP1	ENSG00000143093.14	4.909756521	4.619533864	4.642281983
BTG1	ENSG00000133639.4	6.441745251	5.56977989	5.740991315
PCSK7	ENSG00000160613.12	5.422503647	4.270877303	4.617584388
PARP6	ENSG00000137817.16	4.664073771	4.951175487	5.22787386
MALSU1	ENSG00000156928.4	4.544430955	4.986137007	4.335548675
ASCC2	ENSG00000100325.14	5.555043635	5.656586125	5.664900474
IFFO1	ENSG00000010295.19	4.288877786	5.312208372	5.321855788
URGCP	ENSG00000106608.16	4.352301039	5.215330891	4.906873645
MRPL10	ENSG00000159111.12	5.660992811	5.095984829	5.969551961
AP3M2	ENSG00000070718.11	4.320133081	4.899609821	5.61755653
DRG2	ENSG00000108591.9	5.934113896	4.654480925	4.505960998
CYTH1	ENSG00000108669.16	4.307211447	5.707811358	5.143763684
MYO18A	ENSG00000196535.15	5.37948246	5.247052871	5.698721849
TIMM8A	ENSG00000126953.5	5.172184452	4.940653472	4.735312996
LEPROTL1	ENSG00000104660.17	5.208237154	5.120751503	5.851002084
RABGAP1	ENSG00000011454.16	5.153137534	5.819669836	4.688487003
NTMT1	ENSG00000148335.14	6.159867863	6.427607153	4.339767979
STK38	ENSG00000112079.8	4.245158805	4.71196726	4.839721477
GORASP2	ENSG00000115806.12	4.571929726	6.566184987	6.556711034
RHNO1	ENSG00000171792.10	5.01099395	5.035772649	4.791859595
RFC3	ENSG00000133119.12	6.891607378	5.592190803	4.285070862
TRAPPC10	ENSG00000160218.12	4.502056171	4.561094211	4.412765912
EPC2	ENSG00000135999.11	4.362320523	4.936452268	4.868821631
KIRREL1	ENSG00000183853.17	5.834954943	6.72767826	4.364642063
COQ10B	ENSG00000115520.8	4.513748636	5.97521956	5.101419686
PNPT1	ENSG00000138035.14	5.888295529	5.544835224	4.36381641
REEP3	ENSG00000165476.13	4.824527082	4.304324202	4.992973114
MARK3	ENSG00000075413.17	6.189026687	5.980943477	4.337122262
PARP14	ENSG00000173193.13	4.243032829	4.720703175	4.885289229
TRIT1	ENSG00000043514.15	5.25817399	4.569770353	4.337709616
SLC11A2	ENSG00000110911.14	4.294088491	6.479731951	6.101842232
SDHAF2	ENSG00000167985.6	5.495597928	4.733903481	5.125435864
MRPS14	ENSG00000120333.4	4.956618364	4.414070929	4.786277977
CPTP	ENSG00000224051.6	4.808646108	5.611296628	5.311916952
GTPBP6	ENSG00000178605.13	5.731397838	4.278957527	5.486936082
TMED1	ENSG00000099203.6	5.832758489	4.694165724	4.314032203
NGLY1	ENSG00000151092.16	4.676368932	5.009904522	4.706531189
PRR14	ENSG00000156858.11	5.225155071	4.262628295	5.083480691
TMEM11	ENSG00000178307.9	4.880439604	4.481333922	5.171179851
PCK2	ENSG00000100889.11	5.575106286	4.699156442	5.349147568
KDM2B	ENSG00000089094.18	5.123726174	4.310048652	5.325533035
SNX7	ENSG00000162627.16	5.933044679	4.308280423	5.052700945
NAGK	ENSG00000124357.12	4.551079864	4.913931649	4.517202934

TIMM9	ENSG00000100575.13	4.767815611	4.413754329	5.167552534
HBS1L	ENSG00000112339.14	5.178299163	5.622263074	4.457784189
COG1	ENSG00000166685.11	4.747277385	5.233716976	5.191693186
ADGRA3	ENSG00000152990.13	5.320339423	4.736123796	6.586881484
NFKBIB	ENSG00000104825.16	5.093446541	4.870446873	4.834818275
SNX30	ENSG00000148158.16	5.030059332	5.877237041	5.27678065
FITM2	ENSG00000197296.5	4.230104051	4.599461401	5.071092212
CTSF	ENSG00000174080.10	5.853500822	5.955025065	6.585053934
SLC39A9	ENSG00000029364.11	5.350439185	4.226486614	5.658039333
ZCRB1	ENSG00000139168.7	6.125308896	5.106576081	4.311697004
SIN3A	ENSG00000169375.15	5.857135791	5.428160629	4.912149431
NAA35	ENSG00000135040.15	5.797546448	5.627726572	4.215923545
SLC30A7	ENSG00000162695.11	5.141001508	4.633380374	4.461720999
MOB4	ENSG00000115540.14	5.167305327	5.017788062	5.464883721
POLD4	ENSG00000175482.8	5.31107665	4.757116892	4.690736998
DMXL2	ENSG00000104093.13	4.546974888	6.310751228	6.521431062
TRMT61B	ENSG00000171103.10	4.834715675	4.972038845	4.385871547
BBS4	ENSG00000140463.13	4.360788348	4.443082023	4.888763307
RCBTB1	ENSG00000136144.11	4.506020989	4.440652445	5.111777396
DDX50	ENSG00000107625.12	5.946215249	4.669198039	5.555965379
GULP1	ENSG00000144366.15	5.315008569	4.264275142	5.033995503
RAD50	ENSG00000113522.13	4.597624068	4.221884826	5.14598612
EEF1A2	ENSG00000101210.10	4.545859553	5.224726918	7.75752566
MORC3	ENSG00000159256.12	4.238549048	4.483648765	5.569887711
CWC25	ENSG00000273559.4	4.794658804	4.332088656	4.886765897
VPS36	ENSG00000136100.12	5.080863026	4.357808529	4.923470329
CBLL1	ENSG00000105879.11	4.391716026	5.327898504	4.552457909
COMMD2	ENSG00000114744.8	5.008091614	5.116254378	5.375147023
GRWD1	ENSG00000105447.12	5.825567795	4.991912984	4.253646498
MKLN1	ENSG00000128585.17	4.954660625	5.5580111	4.981108446
SCLY	ENSG00000132330.16	4.928740103	5.850842075	4.408546577
EHBP1L1	ENSG00000173442.12	5.953378332	4.879986821	5.745205217
NGDN	ENSG00000129460.15	5.666919256	4.384928184	4.597709155
AMBRA1	ENSG00000110497.14	4.887137739	4.903282086	5.586789178
NHSL1	ENSG00000135540.11	5.89658907	5.092392869	5.021549592
DCAF1	ENSG00000145041.15	5.305182666	4.907424111	4.227934862
CHCHD7	ENSG00000170791.17	5.127058294	5.231287318	4.462200109
HEATR5B	ENSG00000008869.11	4.774403919	5.289043155	5.000085599
LRRC45	ENSG00000169683.7	4.33657433	4.449381688	4.884421384
PHF19	ENSG00000119403.13	7.183355106	6.021077775	4.465344689
HOXC4	ENSG00000198353.7	5.278149462	5.029720871	4.268205172
ZNF654	ENSG00000175105.6	4.490889531	4.870313345	4.403857849
USP15	ENSG00000135655.15	5.122171607	4.913296055	5.897656445
PKD1	ENSG00000008710.19	4.849760391	4.452137708	4.961688751
ALKBH7	ENSG00000125652.7	4.321721594	4.855956052	5.536317387
SVIL	ENSG00000197321.14	6.500189496	4.426155049	5.459881324

THAP11	ENSG00000168286.2	5.821035232	4.356765608	4.456397698
TRAPPC4	ENSG00000196655.11	5.802628848	4.611376674	5.184919849
STRADB	ENSG00000082146.12	4.401387983	5.755246698	5.477491955
CUL2	ENSG00000108094.14	5.200651641	4.869318476	5.40912138
CNOT7	ENSG00000198791.11	5.307333901	4.282534761	5.573076213
DCTN4	ENSG00000132912.12	6.020820641	5.469598307	6.636916086
EID2	ENSG00000176396.10	5.148549084	5.239371576	4.31408734
SCAF8	ENSG00000213079.9	5.291475636	4.662758276	4.694543934
NOC3L	ENSG00000173145.11	6.249815894	4.260225303	4.716173801
KBTBD4	ENSG00000123444.13	5.171800503	4.750647636	4.957870209
LLGL1	ENSG00000131899.10	5.18323275	4.236327202	4.511072014
ETNK1	ENSG00000139163.15	5.359318815	4.970442006	5.754708754
MT1X	ENSG00000187193.8	5.261672416	5.186966195	4.308835542
MTSS1L	ENSG00000132613.14	5.230616025	4.334057432	4.486395593
RNF31	ENSG00000092098.16	4.93899263	4.601119638	4.805677993
PTBP3	ENSG00000119314.15	5.965919364	6.362360464	5.350362731
ODF2	ENSG00000136811.16	6.302637639	5.899535672	4.280176776
SYNJ2BP	ENSG00000213463.4	4.663733924	4.308125495	4.723988729
DHX57	ENSG00000163214.20	5.430899437	5.178541272	4.356155278
MAVS	ENSG00000088888.17	5.592926146	5.730117404	4.30232231
ZNF335	ENSG00000198026.7	4.859547701	4.584428317	4.225401622
SIPA1	ENSG00000213445.9	4.496982921	4.751756386	5.56052833
PMM1	ENSG00000100417.11	4.351632314	5.561344056	5.514722113
BCL7C	ENSG00000099385.11	5.33301345	4.270874169	4.897457072
FASTKD5	ENSG00000215251.3	5.626683543	5.788701865	4.262482172
GOLGB1	ENSG00000173230.15	5.313286514	5.512052901	5.464947121
TOR1A	ENSG00000136827.11	6.626535142	6.072382248	4.252637344
COG5	ENSG00000164597.13	4.216785927	6.010838776	6.154462987
RPS6KA1	ENSG00000117676.13	5.819976578	5.166285404	4.713089463
KLF3	ENSG00000109787.12	4.691902792	4.725012127	5.494905549
EPS15L1	ENSG00000127527.13	5.570420011	5.867559954	5.306350192
RNF111	ENSG00000157450.15	4.665480141	4.923618301	5.074794741
TNKS	ENSG00000173273.15	4.259682916	4.351893595	5.730860332
MPDU1	ENSG00000129255.15	5.931634913	4.486641479	5.150087139
PXK	ENSG00000168297.15	4.64281057	5.258829516	5.93737392
TTI1	ENSG00000101407.12	5.429004328	4.808177532	4.905143213
VRK3	ENSG00000105053.10	5.07588218	4.991704728	5.407200632
SNUPN	ENSG00000169371.13	5.246829578	4.723315945	4.50780092
TMEM203	ENSG00000187713.6	6.13958354	6.037183038	4.262940758
WDR48	ENSG00000114742.13	5.863105371	5.091819602	4.632332331
CASP8	ENSG00000064012.21	5.941953691	5.903702589	4.566642115
TRNT1	ENSG00000072756.16	5.208685381	5.260850954	4.253705898
NPAS2	ENSG00000170485.16	6.839535528	6.785414198	5.038488324
CCDC88A	ENSG00000115355.15	5.026612346	5.796730166	4.333636965
TRAPPC11	ENSG00000168538.15	5.091698067	4.248222409	4.893387787
ALS2	ENSG00000003393.14	4.242372723	5.362393175	5.357799769

KNSTRN	ENSG00000128944.13	6.390748278	5.012459763	4.314133903
AKAP10	ENSG00000108599.14	5.024304229	4.239090823	4.650738358
RHOT1	ENSG00000126858.16	5.016052634	5.071374777	5.405684644
TMEM19	ENSG00000139291.13	4.46732146	4.404558562	4.408423577
C1orf123	ENSG00000162384.13	5.093758295	4.25018748	4.69718354
RCC1	ENSG00000180198.15	7.314305708	5.609487342	4.520172784
RIT1	ENSG00000143622.10	4.484066599	4.84480242	4.31736024
QTRT2	ENSG00000151576.10	4.665985841	4.920286502	4.26275565
SP2	ENSG00000167182.14	5.097275424	4.619608978	4.80245111
TRIB1	ENSG00000173334.3	5.598694351	5.661669273	7.322534095
RPP21	ENSG00000241370.5	4.703689169	4.640389526	4.944818231
SNHG17	ENSG00000196756.11	6.816981096	5.216361268	5.427267777
MRPS26	ENSG00000125901.5	7.018782382	5.704873848	4.274768755
ZNF746	ENSG00000181220.15	4.297256653	4.792645634	4.346322445
BCL9	ENSG00000116128.10	5.456217375	5.355879378	4.191964419
RBFA	ENSG00000101546.12	4.697881935	4.9367846	4.633917944
PPIG	ENSG00000138398.15	4.294975721	5.301147673	4.981134705
ZNF644	ENSG00000122482.20	4.895177129	4.643411115	4.257484169
LZTR1	ENSG00000099949.18	4.386782409	5.520366501	5.268450827
NIPAL3	ENSG00000001461.16	6.576489421	4.956707972	5.709296439
NOL9	ENSG00000162408.10	4.963496321	5.016855838	4.344720984
ANKRD13A	ENSG00000076513.16	5.290845754	4.565185175	4.32962709
TSPAN6	ENSG00000000003.14	4.50957857	5.037265269	4.904988803
GSDMD	ENSG00000104518.10	5.283294775	4.690528357	5.17195681
COPZ2	ENSG00000005243.9	4.884746444	4.454643135	4.845239583
GLTP	ENSG00000139433.9	5.567110046	5.873705317	4.330252303
RBM48	ENSG00000127993.15	4.628669926	4.614090966	4.391832199
PCCB	ENSG00000114054.13	4.892184873	5.420209919	5.609956993
IFI27L2	ENSG00000119632.3	5.400399798	6.140114528	4.301145493
TOP3B	ENSG00000100038.19	4.238070335	5.07585207	4.585245945
LRCH3	ENSG00000186001.12	4.236504309	5.46808598	4.980647028
GFER	ENSG00000127554.12	4.900109201	4.228176252	4.817034318
C2orf74	ENSG00000237651.6	4.448844927	4.82190204	5.038195599
ALAD	ENSG00000148218.15	5.445184612	6.33915706	4.182795474
IFT43	ENSG00000119650.12	4.517975234	4.386504617	4.936625545
COA7	ENSG00000162377.5	5.721238888	4.693050361	4.181144992
AACS	ENSG00000081760.16	5.044885545	4.798560183	5.487216434
ACAD8	ENSG00000151498.11	4.46210809	4.422687798	4.378820235
SIRT7	ENSG00000187531.13	4.479114802	4.787498127	5.125010621
CWF19L1	ENSG00000095485.17	5.664497929	4.719277487	4.727058162
GGPS1	ENSG00000152904.11	5.663303893	4.160126421	4.853568382
MRPS18C	ENSG00000163319.10	4.989538091	4.678931758	4.277387342
DPP8	ENSG00000074603.18	5.041602689	4.968653415	4.644501333
HMGCL	ENSG00000117305.14	4.20902951	5.40960458	4.656008233
NBAS	ENSG00000151779.12	4.488289816	5.349902585	4.797976045
FPGS	ENSG00000136877.14	5.640740025	5.818745824	4.288048385

CASP2	ENSG00000106144.19	4.552522086	4.484285918	4.394064498
PML	ENSG00000140464.19	5.259508896	5.237493388	4.361098936
CHM	ENSG00000188419.13	4.696323815	5.139293764	5.092354746
INTS5	ENSG00000185085.2	5.441937854	4.254536588	4.417083283
MYLIP	ENSG00000007944.14	4.533475658	5.36980184	5.073638734
PGRMC2	ENSG00000164040.16	4.792165384	5.726147526	5.546980685
IQCB1	ENSG00000173226.16	4.694005942	4.700997999	4.68480988
PDK3	ENSG00000067992.12	4.264826296	4.544938402	5.208180552
FEZ2	ENSG00000171055.14	4.728081063	4.991086823	4.516532203
PSPH	ENSG00000146733.13	5.74308845	6.427205497	5.467440065
LPCAT4	ENSG00000176454.13	5.781910322	5.779747367	4.23702863
C19orf12	ENSG00000131943.17	4.961287983	6.256855006	5.501086567
E2F6	ENSG00000169016.16	4.765499476	4.48725276	4.332252177
LSM12	ENSG00000161654.9	5.893765024	5.490704149	5.20986487
DDI2	ENSG00000197312.11	4.864553223	5.357095099	4.358044031
TMEM63A	ENSG00000196187.11	5.281778561	4.249405656	5.079575052
RNF2	ENSG00000121481.10	4.847282691	4.420047438	4.195846042
VPS72	ENSG00000163159.12	5.982099701	5.919614026	4.706026479
CETN3	ENSG00000153140.8	5.674553121	4.505753269	5.015877358
THOC3	ENSG00000051596.9	5.034029131	4.907140427	4.296807615
XRCC2	ENSG00000196584.2	4.911522875	4.233097518	4.316686936
AKIRIN2	ENSG00000135334.8	5.852850979	5.136124787	5.145249792
NUDT15	ENSG00000136159.3	5.926581903	4.652881866	4.197089944
PARP2	ENSG00000129484.13	5.238776119	4.341054856	4.228697425
TMEM33	ENSG00000109133.12	5.8228729	5.230983562	6.448150832
PDE6D	ENSG00000156973.13	5.347695817	6.150529725	5.836586103
DIS3L2	ENSG00000144535.19	4.216466285	4.436476705	4.551832757
C6orf120	ENSG00000185127.6	4.944131229	4.831327904	4.559109754
HAUS1	ENSG00000152240.12	5.803546403	5.534514809	4.316426283
NTHL1	ENSG00000065057.7	5.649771494	4.713926062	4.261848423
THOC1	ENSG00000079134.11	5.044395347	5.125881275	4.343814089
C2orf68	ENSG00000168887.10	5.545498178	4.517687717	4.411954417
POMT1	ENSG00000130714.15	4.307151496	5.316812067	4.219855881
NSD1	ENSG00000165671.19	5.441973239	4.240163382	4.60997343
WWP2	ENSG00000198373.12	6.031217252	4.568413941	5.250947014
STK16	ENSG00000115661.13	4.283441772	4.674766423	4.83334733
PIN4	ENSG00000102309.12	5.262049929	5.169985813	4.227645095
COG2	ENSG00000135775.13	5.479267183	4.19701101	4.581065908
BPGM	ENSG00000172331.11	4.202393364	5.706601625	5.114833602
SDE2	ENSG00000143751.9	5.689904477	4.194799694	4.357832228
ATPAF1	ENSG00000123472.12	4.905048351	4.352601268	4.656023339
FBXL3	ENSG00000005812.10	5.284585848	4.225346658	4.668129023
NDUFAF7	ENSG00000003509.15	5.44958972	5.179787439	4.414074653
SBF2	ENSG00000133812.15	4.442553145	5.31742537	5.631185479
ACP2	ENSG00000134575.9	5.145908156	4.559088398	4.721504999
POLR3H	ENSG00000100413.16	5.297747931	4.65258808	4.775485157

GATC	ENSG00000257218.5	4.765497263	4.695772525	5.725238648
NDUFAF1	ENSG00000137806.8	5.694588678	4.787558011	5.202938895
SNAP47	ENSG00000143740.14	5.721852264	4.1931769	4.890031351
BSDC1	ENSG00000160058.18	5.173240543	5.20194011	4.987627222
MED17	ENSG00000042429.11	5.995821109	4.222139818	4.891104279
SUPV3L1	ENSG00000156502.13	5.404415314	4.886089319	4.964125857
EED	ENSG00000074266.19	5.873258913	4.227304218	4.7026769
INPP4B	ENSG00000109452.12	5.256556381	5.876059509	6.469754615
WDR18	ENSG00000065268.10	6.378714651	5.522271198	5.140594919
PVT1	ENSG00000249859.9	4.339660816	5.913787822	5.366882918
SPPL2B	ENSG00000005206.16	4.721252212	5.645415086	4.312706754
TUBG2	ENSG00000037042.8	4.650520993	5.310642154	5.391407563
SMIM4	ENSG00000168273.7	4.945390949	6.038562356	4.418102489
SNAP29	ENSG00000099940.11	4.453386925	5.147778637	5.466634965
MICAL1	ENSG00000135596.17	4.220621884	8.061975875	6.509152693
GPANK1	ENSG00000204438.10	5.204402579	4.411418917	4.565569301
SLC44A2	ENSG00000129353.14	6.012839837	5.369424773	4.409656144
WRB	ENSG00000182093.14	4.338257628	5.8264686	5.648066025
WEE1	ENSG00000166483.10	4.69052063	4.620806496	4.577190868
C1GALT1C1	ENSG00000171155.7	5.285789255	5.27340952	4.251404724
ANAPC15	ENSG00000110200.8	5.805959619	4.40478531	4.977512251
CCNC	ENSG00000112237.12	5.464343255	5.406981528	5.209442388
CLIP4	ENSG00000115295.19	6.139465307	5.706970576	6.552515474
AMFR	ENSG00000159461.14	5.37659891	5.051414366	6.634805628
NEURL4	ENSG00000215041.9	5.08048267	4.262028271	4.570626137
S100A13	ENSG00000189171.14	8.024241415	7.317125074	5.252540418
NFKBIL1	ENSG00000204498.10	4.877092366	4.624745858	5.344320265
MCUR1	ENSG00000050393.11	4.398569948	4.191216854	5.218019072
YTHDC2	ENSG00000047188.15	4.494993507	4.305693826	4.706347388
ISG20L2	ENSG00000143319.16	7.391829191	5.994491693	4.593689965
TBCE	ENSG00000116957.12	6.371990176	4.187976565	5.030482157
TXNL1	ENSG00000091164.12	4.764969358	6.36091515	4.565610511
NUDT2	ENSG00000164978.17	4.610455791	4.586871406	4.269650549
FAM53C	ENSG00000120709.10	5.648217148	4.870637117	4.796621285
TYW1	ENSG00000198874.12	4.316107032	4.953808756	4.641203618
PUSL1	ENSG00000169972.11	4.84356754	4.398357784	4.385916614
SMAD4	ENSG00000141646.13	4.556946353	5.133139496	4.215989697
RPUSD1	ENSG00000007376.7	5.469804326	4.815189284	4.488582505
GOLT1B	ENSG00000111711.9	5.269312968	6.151000584	5.511186115
RWDD3	ENSG00000122481.16	4.214074023	4.442532366	4.489257247
TUBGCP2	ENSG00000130640.13	6.394062696	5.48069551	5.2474954
LRCH1	ENSG00000136141.14	4.119668547	4.427674917	4.685632766
GGA3	ENSG00000125447.16	4.527643568	4.290254674	4.891963301
CDC73	ENSG00000134371.10	5.371283859	4.727839827	4.623422659
ATAD3B	ENSG00000160072.19	5.596894944	5.856507753	4.468668685
ZBTB33	ENSG00000177485.6	4.921413629	5.64324314	5.112988999

TMEM55A	ENSG00000155099.7	4.159542408	5.35766917	6.366754189
MIIP	ENSG00000116691.10	4.575036374	4.913920812	4.795272053
HDHD5	ENSG00000069998.12	5.167267664	5.433295647	4.687864244
TMEM55B	ENSG00000165782.10	4.329663655	4.297131682	5.001535947
GNAQ	ENSG00000156052.10	5.401742517	5.254330907	5.388862671
DDX11	ENSG00000013573.16	5.520999257	4.868216228	4.180308102
DNAJC1	ENSG00000136770.10	4.541144881	4.699810236	4.795839661
SNHG3	ENSG00000242125.3	6.006168657	5.395186854	4.284808331
ERGIC2	ENSG00000087502.17	5.359883539	5.359066102	4.327557792
HCFC1R1	ENSG00000103145.10	5.519760181	5.235043064	4.597822502
KIF11	ENSG00000138160.5	6.910594518	4.217650399	4.229432997
COQ4	ENSG00000167113.10	6.223299337	6.07635896	4.263618572
ZZEF1	ENSG00000074755.14	4.618472601	4.15950641	4.438677517
C16orf72	ENSG00000182831.11	5.415242955	5.177109594	4.817238851
DCAF12	ENSG00000198876.12	6.110122958	4.493796069	4.407391122
MAP3K20	ENSG00000091436.16	4.254763633	5.018339653	5.681661252
SELENOI	ENSG00000138018.17	5.788087648	4.928174675	4.143532331
BID	ENSG00000015475.18	4.290707356	4.484557008	4.207829043
MTG1	ENSG00000148824.18	5.952325124	4.6379958	5.001232422
SLC39A13	ENSG00000165915.13	5.160149965	5.904815016	5.762603389
PIGB	ENSG00000069943.9	4.212334939	5.246168247	4.60783189
PITPNM1	ENSG00000110697.12	5.241920977	4.755559352	4.543177218
CCNK	ENSG00000090061.17	5.736713994	6.595452925	4.287320413
CDC42EP3	ENSG00000163171.7	6.042463374	4.608397619	5.47000411
MINDY3	ENSG00000148481.13	4.222665071	4.650734918	4.9860287
MCRIP2	ENSG00000172366.19	4.934190802	5.628560646	6.404919186
HMMR	ENSG00000072571.19	6.121450341	4.306433554	4.676249108
ZNF277	ENSG00000198839.9	4.634430147	5.27692246	5.34709466
PHACTR4	ENSG00000204138.12	5.440071477	4.357587325	6.001492055
KANSL1	ENSG00000120071.13	4.652005689	4.755680847	5.548306385
MED6	ENSG00000133997.11	5.159300466	4.429442354	4.207819831
GOSR2	ENSG00000108433.16	4.478678438	4.706295201	4.855084906
NOP9	ENSG00000196943.12	4.405914893	4.17151784	4.149656545
REV1	ENSG00000135945.9	4.147337109	4.622970643	4.696418398
NES	ENSG00000132688.10	8.017988093	4.747745458	5.925943228
AKAP17A	ENSG00000197976.11	4.895329989	4.234364397	5.875562561
TNKS1BP1	ENSG00000149115.13	5.955680616	5.844258778	5.140447462
BRI3BP	ENSG00000184992.10	5.441699743	4.362648357	5.039033932
HACD2	ENSG00000206527.9	5.442004391	4.466000373	4.457394548
FNTB	ENSG00000257365.7	4.340536389	5.180127421	4.663105554
ZFC3H1	ENSG00000133858.15	5.486687629	4.536995133	4.577862478
PCTP	ENSG00000141179.13	4.166215249	5.002529567	5.471512339
GGCX	ENSG00000115486.11	4.782328877	5.389482543	4.193440389
TMOD3	ENSG00000138594.13	5.046838096	4.888059602	5.125639796
DHX29	ENSG00000067248.9	5.681077053	4.907150816	4.120882236
NUP35	ENSG00000163002.12	4.51807584	5.020655694	4.134134183

SLC12A2	ENSG00000064651.13	5.638847848	4.613573927	4.420975535
MED19	ENSG00000156603.16	5.425381204	4.343610733	5.049878917
GINM1	ENSG00000055211.12	4.953729508	4.588511715	4.196257687
ADPRHL2	ENSG00000116863.10	5.525663221	4.660515601	4.68520566
RTL6	ENSG00000188636.3	5.092562156	4.365568833	4.465365695
C20orf27	ENSG00000101220.17	6.177863372	6.491115415	4.359143781
ZNF3	ENSG00000166526.16	4.5351562	5.123809955	4.170811147
LRCH4	ENSG00000077454.15	4.427983204	5.499466197	5.472915105
C4orf48	ENSG00000243449.6	5.626235078	4.910497725	7.146459931
SNX11	ENSG00000002919.14	4.801771805	5.118763399	5.388318866
AC006001.3	ENSG00000229180.6	4.706542893	5.537891727	4.208628861
SETD1A	ENSG00000099381.17	5.29617565	4.547664152	4.259589071
MPV17L2	ENSG00000254858.9	5.29892961	5.568472246	4.162879276
PSMD9	ENSG00000110801.13	5.003102658	4.676985521	4.826633262
DBF4B	ENSG00000161692.17	4.297754174	4.898366278	4.195916489
VSIG10	ENSG00000176834.13	5.025537158	4.959588849	5.128360628
C3orf38	ENSG00000179021.9	4.861116518	4.839319526	4.291617089
SLC12A9	ENSG00000146828.17	4.258504972	5.171864562	4.555616045
LZTS1	ENSG00000061337.15	4.722576491	5.891156865	6.126048366
CANT1	ENSG00000171302.16	5.118999612	6.102142241	5.883566358
TAF6L	ENSG00000162227.7	5.144287179	4.18722871	4.648373356
SMIM13	ENSG00000224531.5	4.212921144	4.19027304	5.15302922
ABI2	ENSG00000138443.15	4.941045058	4.884047943	5.167731455
PARP10	ENSG00000178685.13	4.4474816	4.902312779	4.535965859
TMEM223	ENSG00000168569.7	5.568327162	4.581900207	4.119563957
TP53BP2	ENSG00000143514.16	5.354660193	4.248980514	4.410085385
WDR90	ENSG00000161996.18	5.029819572	4.13300436	4.552128387
SLC35B2	ENSG00000157593.18	4.238171865	4.906594296	4.592985301
TNIP2	ENSG00000168884.14	4.698898576	4.603537254	5.902984601
VPS37B	ENSG00000139722.6	6.471376715	6.290716879	6.511436644
SMC6	ENSG00000163029.15	5.810792522	5.130972764	4.23317657
CRNKL1	ENSG00000101343.14	5.475358599	5.252712684	4.115651518
DNAJB12	ENSG00000148719.14	4.816025621	4.52324596	4.631579729
SPOUT1	ENSG00000198917.12	5.042834445	5.532506822	4.586949927
MKNK2	ENSG00000099875.14	5.335826697	5.897556368	5.58632358
MICA	ENSG00000204520.12	4.580826631	5.559864295	4.151998297
FDX2	ENSG00000267673.6	5.121335487	4.37159418	4.677269548
KLHL21	ENSG00000162413.16	6.386916309	6.111071737	5.528741887
PAN2	ENSG00000135473.14	5.667884258	5.109698587	5.418752341
NKIRAS2	ENSG00000168256.17	5.69961653	4.864809209	5.025364832
PLPPR2	ENSG00000105520.10	5.585326759	5.170946533	4.180543736
PEX13	ENSG00000162928.8	4.396136307	4.724085736	4.476819747
MITD1	ENSG00000158411.11	4.218705025	5.467223673	4.600230875
CISD2	ENSG00000145354.9	4.434680325	4.453635672	4.584535381
NFKB1	ENSG00000109320.11	5.879529719	5.118198772	4.110596964
BCOR	ENSG00000183337.16	5.527690617	4.290590041	4.334740835

METRNL	ENSG00000103260.8	5.313807273	4.227213983	4.803070716
MED12	ENSG00000184634.15	5.21396225	4.854958923	5.330047924
SPTY2D1	ENSG00000179119.14	4.457304906	4.874537517	4.476539829
RAPGEF2	ENSG00000109756.8	5.014583747	4.679685982	4.716630334
SAT2	ENSG00000141504.11	5.100909728	4.473003708	4.843548526
STAG3L5P	ENSG00000242294.6	4.355677417	5.231896299	6.32019738
DNAH14	ENSG00000185842.15	5.794956084	4.356715653	5.251342186
JADE2	ENSG00000043143.20	5.767048513	5.029427102	6.783715557
SNX18	ENSG00000178996.13	4.236480969	4.967967626	4.126168088
DNAJC9	ENSG00000213551.4	4.862997977	4.284910806	4.213358601
CRNDE	ENSG00000245694.9	5.676824313	4.419530774	6.413606874
LIN7C	ENSG00000148943.11	4.693228492	4.754552869	4.608602286
C17orf80	ENSG00000141219.15	4.860056435	4.824273565	4.979802366
SAR1A	ENSG00000079332.14	4.997513532	5.431483409	4.634003093
HPS4	ENSG00000100099.20	4.260858175	7.012881884	6.888074542
RAP2A	ENSG00000125249.6	5.434430918	4.779393215	4.117665089
PAN3	ENSG00000152520.13	4.850195046	4.146075227	4.555708831
CFDP1	ENSG00000153774.8	5.943601182	4.964879495	6.110947089
NR3C1	ENSG00000113580.14	4.84168914	4.153705301	5.223186297
SNHG19	ENSG00000260260.1	6.545497829	4.225034957	5.069311553
PHF14	ENSG00000106443.15	5.765574062	5.518050286	4.758583954
CHUK	ENSG00000213341.10	5.782582956	4.554965582	4.450936562
WDTC1	ENSG00000142784.15	5.032701134	4.677160906	5.490476709
KIF20A	ENSG00000112984.11	6.754117544	4.171038629	4.235727608
SWI5	ENSG00000175854.11	5.201283303	6.018173986	5.037631711
UPF3B	ENSG00000125351.11	5.046652598	4.621070413	4.58092376
RIOK1	ENSG00000124784.8	5.582649451	4.529059373	4.174175321
MRPS23	ENSG00000181610.12	5.469105915	4.745638921	5.023182798
TM2D3	ENSG00000184277.12	5.125173402	5.108824087	4.274029834
RPRD1A	ENSG00000141425.17	5.124195201	5.816905905	4.337424592
CLN3	ENSG00000188603.18	4.499395889	4.565043298	4.716129703
ACOX1	ENSG00000161533.11	4.437552886	4.474636886	5.228452226
TPD52	ENSG00000076554.15	5.483925367	5.788806521	7.000139178
XPC	ENSG00000154767.14	5.488537071	5.693266849	4.429594088
RPUSD4	ENSG00000165526.8	4.96219146	4.14170092	4.57346446
DDX52	ENSG00000278053.4	4.736860271	4.251246568	4.861114819
WIZ	ENSG00000011451.17	5.93367943	5.491566128	5.311874698
C16orf91	ENSG00000174109.4	6.120642519	4.617381626	4.15120631
KCTD2	ENSG00000180901.10	4.443562328	4.126311224	5.139546474
ATXN7L3B	ENSG00000253719.3	5.87321176	4.529361974	6.053895182
RBM12B	ENSG00000183808.11	4.820456073	4.319593097	4.525632225
TRIOBP	ENSG00000100106.19	5.632082553	4.583782234	4.504112621
ZNF609	ENSG00000180357.9	5.598910455	5.537265266	5.667986258
NUP133	ENSG00000069248.11	5.851009087	4.31864307	4.125589732
ALDH1B1	ENSG00000137124.7	5.061269451	6.027062608	4.375506474
RNF19A	ENSG00000034677.12	4.098907804	6.002116299	5.276735672

CHMP6	ENSG00000176108.9	4.993172119	4.934600456	5.178176674
MTA3	ENSG00000057935.13	4.812901337	4.981568116	4.316279219
MRPL43	ENSG00000055950.16	5.529785497	4.748943675	5.178183351
TOM1	ENSG00000100284.20	4.113548412	6.43701345	5.744054945
LINC01184	ENSG00000245937.7	5.107812472	4.188961517	5.07833911
CCDC97	ENSG00000142039.3	5.320926003	5.131449547	4.748730668
TGFBRAP1	ENSG00000135966.12	4.131130196	5.658084991	5.712944138
DHX34	ENSG00000134815.18	4.903428058	4.229787775	4.280214534
PVR	ENSG00000073008.14	5.620815713	4.770809952	4.364550949
SLC38A7	ENSG00000103042.8	4.23521051	4.809901289	4.197191805
WASHC3	ENSG00000120860.10	5.037229713	5.640854574	4.349505507
ANAPC2	ENSG00000176248.8	5.253761755	6.089660153	4.157468617
SOS2	ENSG00000100485.11	4.124231909	4.398203183	5.195991045
MIGA1	ENSG00000180488.14	4.664810982	4.439950683	4.517090209
DGCR8	ENSG00000128191.15	4.491455591	4.514338027	4.23315958
RAP1A	ENSG00000116473.14	5.39608262	4.419350981	4.452017823
HDAC8	ENSG00000147099.19	5.299216527	5.320613069	5.222858229
MUT	ENSG00000146085.7	4.071605274	4.973255115	5.167503604
ENG	ENSG00000106991.13	6.331209715	6.067516228	4.1031926
GTF2A1	ENSG00000165417.11	5.122184381	4.073032935	5.699461263
CSRNP2	ENSG00000110925.6	4.653454712	4.386462944	4.561875119
APPBP2	ENSG00000062725.9	4.173829612	4.483738371	4.33016563
UVRAG	ENSG00000198382.8	4.890583046	4.218163675	4.404399768
MBD4	ENSG00000129071.9	4.888024372	4.863625457	4.180324052
TYRO3	ENSG00000092445.11	4.466294566	5.211368372	4.242079635
FAM193B	ENSG00000146067.15	4.689141522	4.506112257	4.622463725
EXOC2	ENSG00000112685.13	4.192454485	4.581611744	5.13428838
FAM120AOS	ENSG00000188938.15	4.964353978	5.300492931	4.461448463
B4GALT7	ENSG00000027847.13	4.301265969	4.575660915	4.320598851
LTN1	ENSG00000198862.13	4.707562339	4.221853284	4.516603544
TBC1D5	ENSG00000131374.14	5.089675898	5.052275709	5.217911979
SDF2	ENSG00000132581.9	5.553610327	5.731564561	5.359236895
TMEM243	ENSG00000135185.11	4.9774911	5.511826935	4.130397583
FCF1	ENSG00000119616.11	5.324268977	4.538138979	4.434794561
SNX27	ENSG00000143376.12	5.515321134	5.112353582	4.417704121
KLHL5	ENSG00000109790.16	5.01599736	4.315261998	8.390980183
EEF1A1P5	ENSG00000196205.8	5.808431217	4.535918695	4.781716339
RBM18	ENSG00000119446.13	4.34721989	5.115957847	4.699624474
DDIT3	ENSG00000175197.11	4.912019816	4.427897499	9.106009548
PELO	ENSG00000152684.10	5.30779558	4.55715948	4.091692679
DMAP1	ENSG00000178028.13	4.507572249	4.608643811	4.498710702
BDH2	ENSG00000164039.14	4.100430587	5.016944859	4.628602631
PPIL3	ENSG00000240344.8	4.548469036	4.29866187	4.670016615
BCL9L	ENSG00000186174.12	5.633041057	4.385576951	5.97419552
MAP4K3	ENSG00000011566.14	4.22915947	5.34736531	4.919135656
SLC25A28	ENSG00000155287.10	4.576196409	4.089893735	4.469378542

MAPRE3	ENSG00000084764.10	4.900549	4.591576431	4.732019924
CHCHD4	ENSG00000163528.12	5.606467273	5.362634348	4.227607346
CCNDBP1	ENSG00000166946.13	5.010358609	5.692928067	5.59351102
AC005154.1	ENSG00000196295.11	4.09642419	5.140101304	4.959707023
KANSL2	ENSG00000139620.12	4.52523928	4.34619405	4.238736455
SECISBP2	ENSG00000187742.14	5.166038866	5.237326171	4.852574059
ASB8	ENSG00000177981.10	4.9156469	4.294040376	5.031392207
WDR12	ENSG00000138442.9	4.671533425	5.117326299	4.171299503
DCAF11	ENSG00000100897.17	5.099466901	4.577403533	5.614318062
CHSY1	ENSG00000131873.5	6.653828477	5.673285969	4.129906084
ZNF692	ENSG00000171163.15	5.351944426	5.257998706	4.827353599
AFG3L1P	ENSG00000223959.8	4.472329918	4.566701433	4.193333045
DHTKD1	ENSG00000181192.11	5.17978176	4.256263504	4.464062863
PSMG4	ENSG00000180822.11	4.734872836	5.079351111	4.545192033
HELZ	ENSG00000198265.11	4.813998487	5.044807121	5.323578047
P3H4	ENSG00000141696.12	5.17522006	5.176053729	4.415157636
RNF219	ENSG00000152193.7	5.013613562	4.106022939	4.168933803
PCMTD1	ENSG00000168300.13	4.441107581	4.466314827	5.148706938
FOXN2	ENSG00000170802.15	4.413374813	5.331614763	4.062399193
CHST14	ENSG00000169105.7	5.389452453	4.978274555	4.115269663
RPS27L	ENSG00000185088.13	5.486167247	6.030587472	6.312796992
RASSF8	ENSG00000123094.15	7.123525923	5.415347556	5.698650512
C17orf58	ENSG00000186665.9	4.719789366	4.477592377	5.076570644
PIGH	ENSG00000100564.8	4.245859905	5.137633707	5.395491809
CLASP2	ENSG00000163539.16	5.271751334	5.17553087	5.234578187
AVPI1	ENSG00000119986.6	6.006978352	7.138589434	4.984030277
RNF4	ENSG00000063978.15	4.302856954	4.517398646	6.168851493
MYSM1	ENSG00000162601.9	5.200955679	4.854402042	4.173618523
SRFBP1	ENSG00000151304.5	4.397615891	4.227388508	4.722869266
CCDC9	ENSG00000105321.12	4.494751416	4.169907592	4.955542912
ANKRD27	ENSG00000105186.15	4.982702778	5.557037706	5.409231927
TBC1D20	ENSG00000125875.13	4.656614272	5.128981437	4.3203997
ARPIN	ENSG00000242498.7	4.555848238	4.075804817	4.496692972
VOPP1	ENSG00000154978.12	4.341618383	5.531694553	4.168222308
PPTC7	ENSG00000196850.5	5.281208309	4.687189399	4.927669217
CDR2	ENSG00000140743.7	4.991046998	5.341734238	4.076446864
FAM53B	ENSG00000189319.13	4.06394789	5.415466225	5.19866866
KRR1	ENSG00000111615.13	5.079308919	4.526047127	5.594785101
GPATCH8	ENSG00000186566.12	5.141436987	5.358008888	5.657119828
GMFB	ENSG00000197045.12	5.867189807	5.488309676	5.616573958
FRG1BP	ENSG00000149531.15	4.910252266	5.033409681	6.046878854
POLR3E	ENSG00000058600.15	5.81028949	4.906598218	5.054022089
TAF1B	ENSG00000115750.16	5.099845779	4.320767416	4.232066465
ABT1	ENSG00000146109.4	4.633844715	4.554504604	4.331178347
ZNF451	ENSG00000112200.16	4.479922713	4.878270209	4.236398958
GORASP1	ENSG00000114745.13	4.762837881	5.17777973	4.403324747

GCC2	ENSG00000135968.20	4.583217188	4.906037186	4.57271479
SNRNP35	ENSG00000184209.14	4.856290958	4.553262401	5.790195123
VAMP7	ENSG00000124333.15	4.878938583	5.049922956	4.930337677
NRN1	ENSG00000124785.8	4.310530857	5.123057243	5.809775029
DCAF16	ENSG00000163257.10	6.298233183	4.559260257	7.16173917
POMGNT2	ENSG00000144647.5	4.474553853	4.904575339	4.10276745
SMYD2	ENSG00000143499.13	5.50546763	4.643963614	4.558514305
CDK9	ENSG00000136807.13	6.303203455	6.209414591	4.104346934
CSTF2T	ENSG00000177613.8	4.8578163	4.60043358	4.348782915
CHMP7	ENSG00000147457.13	4.779974721	4.237250976	4.299869132
AVL9	ENSG00000105778.18	4.649231738	4.905350574	4.407913791
UBTD1	ENSG00000165886.4	4.702198739	4.6742715	5.346708954
TSKU	ENSG00000182704.7	4.71306834	5.635457176	7.053335173
WBP1	ENSG00000239779.6	5.581084569	6.097418395	4.379169853
GCFC2	ENSG00000005436.13	4.907501374	4.103172551	4.382616821
COQ8B	ENSG00000123815.11	5.270919059	5.166623359	4.911518537
ABHD17A	ENSG00000129968.15	4.615180157	4.765404965	5.432347194
MELK	ENSG00000165304.7	6.651864724	5.233710301	4.1649712
GGA2	ENSG00000103365.15	5.014603483	5.395971471	5.912510133
R3HCC1	ENSG00000104679.10	4.727649114	4.476503721	4.992652799
MKL1	ENSG00000196588.14	4.137318277	4.391466599	4.97612073
HDAC2	ENSG00000196591.11	6.23792069	5.564803613	4.632636929
ZBTB17	ENSG00000116809.11	4.944992452	5.121688775	5.036435583
NCKIPSD	ENSG00000213672.7	4.939446228	4.466742306	4.120129608
ALG9	ENSG00000086848.14	4.50127213	4.144209391	5.409838469
TRMT6	ENSG00000089195.14	6.318459288	5.93489148	4.264935795
SSBP3	ENSG00000157216.15	5.396037529	5.013913987	4.137366432
GPRIN1	ENSG00000169258.6	4.047861319	4.408792467	5.55023599
GABPB1	ENSG00000104064.16	4.983087362	4.517080138	4.544155022
GMCL1	ENSG00000087338.4	4.994752993	4.702044035	4.042117983
PGS1	ENSG00000087157.18	4.601574209	4.654005143	4.964586553
MORC2	ENSG00000133422.12	4.707204183	4.433057575	4.805377608
ZEB2	ENSG00000169554.18	4.633101928	7.206199615	5.820870645
TXNRD2	ENSG00000184470.20	4.601499228	4.387320316	4.815305004
CNOT8	ENSG00000155508.13	5.911308438	4.139852504	5.236331211
USP40	ENSG00000085982.13	4.161020997	5.558153455	5.083732774
ZCCHC8	ENSG00000033030.13	5.219278015	4.578839569	5.487944394
EPHB4	ENSG00000196411.9	5.173687611	5.824547018	4.152852453
OTUD7B	ENSG00000264522.5	5.008089548	5.113627649	4.132966292
TAB1	ENSG00000100324.13	4.711370972	4.336133246	4.50902077
ANAPC16	ENSG00000166295.8	5.01057968	4.350301918	5.611335336
POT1	ENSG00000128513.14	4.525542114	4.158294544	4.865059837
ASXL2	ENSG00000143970.16	4.899824383	4.762536389	4.039139905
AC135050.6	ENSG00000278133.1	4.452992714	4.293730617	5.415956421
NINJ1	ENSG00000131669.9	4.340299007	7.021008756	6.085917932
DPH2	ENSG00000132768.13	5.875735982	5.390639065	4.335235442

USP53	ENSG00000145390.11	6.102318601	5.594073951	4.281789765
CRTC3	ENSG00000140577.15	4.180970046	5.392141549	4.946942533
NOL6	ENSG00000165271.16	7.048118382	5.405296722	4.038994571
PUS7	ENSG00000091127.13	5.610276443	5.355052553	4.153482015
NPEPL1	ENSG00000215440.11	4.395361293	4.797907299	4.572832545
VPS37C	ENSG00000167987.10	4.939628983	4.15850182	5.154445256
DMWD	ENSG00000185800.11	5.511995362	4.393748085	5.279796172
C7orf26	ENSG00000146576.12	4.739794496	5.230371127	4.895688081
RUFY1	ENSG00000176783.14	5.136463174	4.175646455	4.51146404
DLGAP5	ENSG00000126787.12	5.927893016	4.567743994	4.060405828
AIFM2	ENSG00000042286.14	4.135932453	4.305439566	6.2872468
SLC25A12	ENSG00000115840.13	4.15969737	4.798976883	5.151896414
GHDC	ENSG00000167925.15	4.31136846	4.928434838	5.199690379
RNF44	ENSG00000146083.11	5.769759066	5.038936736	5.720814483
PCLAF	ENSG00000166803.11	6.53672497	4.389533942	4.108941259
WDR36	ENSG00000134987.11	5.137941342	4.219460682	4.169694636
RNF139	ENSG00000170881.4	5.344891972	4.741916212	5.232682011
RABGEF1	ENSG00000154710.16	5.151606034	5.140342262	4.409900998
NUDCD3	ENSG00000015676.17	4.735352731	4.748154624	4.633706731
RAB9A	ENSG00000123595.7	4.387721668	4.761645974	4.906652636
RSBN1L	ENSG00000187257.15	4.265060874	4.280517351	4.144377875
ITSN1	ENSG00000205726.14	4.349027865	4.087551405	5.0388635
AC245060.4	ENSG00000272779.1	4.109252697	4.595147213	4.999551842
TM2D2	ENSG00000169490.16	4.254711755	4.545951947	4.28225452
RRP12	ENSG00000052749.13	6.853044481	4.902385124	4.741457319
LCLAT1	ENSG00000172954.13	4.319344085	4.560899611	4.922345559
ZNF317	ENSG00000130803.14	4.251338262	4.811918315	4.513829865
GEMIN7	ENSG00000142252.10	5.408250507	4.456853229	4.254447571
CNTROB	ENSG00000170037.13	5.131917317	4.191019153	4.380427005
MOAP1	ENSG00000165943.4	4.712907268	5.437851619	4.70276222
PRPF38B	ENSG00000134186.11	5.030776076	5.202197412	4.264667002
CDC45	ENSG00000093009.9	5.592903933	4.950789243	4.104512369
BTBD10	ENSG00000148925.10	4.01648043	4.838618934	5.178780353
IFT20	ENSG00000109083.13	5.628730455	5.333987933	5.275761917
CCM2	ENSG00000136280.15	4.063460667	5.630665676	4.439521868
CES2	ENSG00000172831.11	4.492752052	4.184838543	4.69966115
BIVM	ENSG00000134897.13	5.11684523	4.068297591	4.876613415
UGGT2	ENSG00000102595.19	4.895887149	4.525979966	4.075619866
ARID5B	ENSG00000150347.14	4.029719896	4.210978543	5.629967285
FDX1	ENSG00000137714.2	4.032283767	4.618219823	4.815827535
NUP214	ENSG00000126883.16	5.659662768	5.670818227	4.094195548
RABEPK	ENSG00000136933.16	5.64480084	5.912596371	4.097945752
ZBTB11	ENSG00000066422.4	4.632120529	4.437333229	4.091157172
FEM1C	ENSG00000145780.7	4.420452329	4.057194466	4.197724662
VEZT	ENSG00000028203.17	5.227086843	4.798688483	4.14198565
RHBDF1	ENSG00000007384.15	5.839687182	5.073517112	5.36156494

UBFD1	ENSG00000103353.15	5.848649151	5.293691036	4.81113324
SLC25A40	ENSG00000075303.12	4.236035871	4.180871405	6.050393054
HLA-H	ENSG00000206341.7	5.237110573	5.17683504	5.293783188
CCDC32	ENSG00000128891.15	4.382521725	4.138285619	4.148851934
PI4K2A	ENSG00000155252.13	5.670683822	4.437355038	5.829565025
SH3PXD2B	ENSG00000174705.12	4.817055918	6.657807994	4.054474601
BIRC5	ENSG00000089685.14	4.96041107	4.31012658	4.276488209
MCM2	ENSG00000073111.13	7.130561541	4.108604005	5.474633266
CHURC1	ENSG00000258289.8	4.171599871	4.508933305	4.417539706
RPRD1B	ENSG00000101413.11	4.931418301	4.34940204	4.538551602
ARL14EP	ENSG00000152219.4	4.547530372	4.854233644	5.918302208
ELP1	ENSG00000070061.14	5.336404619	5.409486926	4.06188581
TMEM87B	ENSG00000153214.9	4.06788439	5.566350248	6.080663027
FMR1	ENSG00000102081.13	5.187387576	4.649662673	5.265645703
C16orf52	ENSG00000185716.11	7.374815475	4.502620432	5.081962525
RAB2B	ENSG00000129472.13	4.149729899	4.234859104	5.096595543
SUZ12P1	ENSG00000264538.6	4.398437723	4.430886319	4.693959574
SMIM29	ENSG00000186577.12	4.201197735	4.442656472	4.707645621
CDT1	ENSG00000167513.8	5.602864611	4.084330527	5.220374845
CSRP2	ENSG00000175183.9	5.638384866	4.226661311	4.399490988
RAB24	ENSG00000169228.13	4.811809587	4.398030957	4.740632956
LRP8	ENSG00000157193.15	6.10919072	5.119397043	4.061093773
VAPB	ENSG00000124164.15	4.543074622	4.577944404	4.692468432
CNOT6	ENSG00000113300.11	4.892944939	4.040364333	4.909120295
KAT7	ENSG00000136504.11	4.866673393	4.596274573	5.53879335
DOCK9	ENSG00000088387.18	4.07983011	5.243917924	6.618290764
URB1	ENSG00000142207.6	4.917480411	4.837370245	4.625930126
MTX3	ENSG00000177034.14	5.229609934	4.235594079	4.443647718
CDS2	ENSG00000101290.13	4.056027449	5.518181092	4.674885761
FRMD8	ENSG00000126391.13	5.108674135	4.567247923	5.429924645
NRM	ENSG00000137404.14	4.876552224	4.113515799	4.287583972
ZZZ3	ENSG00000036549.12	5.121682266	4.087910387	5.596215678
TESK1	ENSG00000107140.15	4.497458082	4.080047053	4.527961699
STAG1	ENSG00000118007.12	5.515884576	4.61860179	4.086388002
TRAF4	ENSG00000076604.14	5.819336782	6.146271856	6.93299454
EIF2B2	ENSG00000119718.10	5.070673517	4.462845607	4.633837012
TMEM98	ENSG00000006042.11	4.253244775	6.222402898	5.759904835
TRAM2	ENSG00000065308.4	5.890903631	4.626772627	4.016608607
RHOQ	ENSG00000119729.11	4.715140074	7.324600838	7.623709245
DERL2	ENSG00000072849.10	5.359698601	4.107242077	4.778332279
RMND5B	ENSG00000145916.18	5.116393975	4.210721689	4.53650629
RGS3	ENSG00000138835.22	4.20491423	4.792296015	4.460315729
MOSPD2	ENSG00000130150.11	4.681977926	4.498050591	4.025730156
NOL8	ENSG00000198000.11	5.947939982	5.922745307	4.190629753
FAM8A1	ENSG00000137414.5	4.299546215	4.980801554	5.505320943
INPP5K	ENSG00000132376.19	5.347471126	4.646991554	4.453896626

MSH3	ENSG00000113318.9	5.092451848	4.301867993	5.019398878
CHAF1B	ENSG00000159259.7	4.360566855	4.012259373	4.191025125
POLE	ENSG00000177084.16	5.433847748	4.69510791	4.03833133
RPS6KB1	ENSG00000108443.13	4.665449838	4.291848194	5.227163525
DCAF15	ENSG00000132017.10	5.68750475	5.186341205	4.733088817
CCDC130	ENSG00000104957.13	5.164173383	5.358304285	5.015055807
MCM8	ENSG00000125885.13	6.064366887	5.148573812	4.051256866
BLCAP	ENSG00000166619.12	5.421831949	5.58480667	5.529765624
MAGOHB	ENSG00000111196.9	5.282777527	4.191045004	5.368544045
ELP5	ENSG00000170291.14	6.449230641	4.308721126	5.254474395
GPAT3	ENSG00000138678.10	6.755663443	4.54134478	4.07633718
INPP5B	ENSG00000204084.12	4.250973884	4.396774024	4.268186008
SLC15A4	ENSG00000139370.11	4.615780274	4.906629808	6.602160633
FAM3A	ENSG00000071889.16	5.024566485	5.269180859	5.090793891
LIG3	ENSG00000005156.11	4.800793811	4.966234344	4.863179834
NECTIN3	ENSG00000177707.10	4.846578214	4.737314814	4.134292094
B4GALT4	ENSG00000121578.12	4.140021506	5.193010581	4.687188173
HEATR5A	ENSG00000129493.14	4.098630687	4.89052062	4.797944287
CCND3	ENSG00000112576.12	5.789282125	5.351855128	4.475246644
DR1	ENSG00000117505.12	4.527296532	4.125391088	4.239442847
LAMB1	ENSG00000091136.13	8.261647109	7.63429071	4.108761646
PAM16	ENSG00000217930.7	5.817154373	5.191888662	5.695363824
BUB1B	ENSG00000156970.12	5.710368446	4.93794813	4.046523687
CARD19	ENSG00000165233.17	6.001859845	6.835734065	5.10413942
AARSD1	ENSG00000266967.6	5.301819376	5.394328327	5.159399155
LYSMD3	ENSG00000176018.12	4.384594934	4.54628459	4.833868372
SLC39A10	ENSG00000196950.13	4.362678586	4.963478287	5.147553753
TSEN54	ENSG00000182173.12	4.30567704	4.462182377	4.551370337
GRAMD4	ENSG00000075240.16	4.088255262	6.398633522	4.877654913
COMMD1	ENSG00000173163.10	4.686828233	5.701349512	4.818984024
RBM28	ENSG00000106344.8	4.658129863	4.738350669	4.47888125
KMT2B	ENSG00000272333.5	5.010499673	5.458452647	4.868518077
ALX1	ENSG00000180318.3	4.726070314	4.273418363	5.126074226
SNTB2	ENSG00000168807.16	5.837138436	4.052310358	4.112343785
TFAM	ENSG00000108064.10	5.523170095	4.076076054	4.382048651
MTHFD1L	ENSG00000120254.15	5.814367688	5.479052455	5.492190236
HADH	ENSG00000138796.16	5.132368632	4.187321782	4.924661777
TRAPPC8	ENSG00000153339.13	4.392750876	5.301941033	4.441982779
C6orf89	ENSG00000198663.16	4.794807896	4.756386757	5.002647253
NLGN2	ENSG00000169992.9	5.529512544	4.516583559	4.029501664
SLC22A18	ENSG00000110628.13	4.088424767	6.997291922	6.353325323
ATP2B4	ENSG00000058668.14	6.330310958	6.020231363	4.462235013
CCDC90B	ENSG00000137500.9	4.872268821	4.58899073	5.264940647
HOXB6	ENSG00000108511.9	4.556456797	4.205825638	4.344631996
NT5C	ENSG00000125458.6	5.44070489	5.001148265	4.127356566
SPDL1	ENSG00000040275.16	6.087495875	4.613833193	4.108650434

AGK	ENSG00000006530.15	4.71767886	4.527482519	4.47087784
CERS5	ENSG00000139624.12	4.222791439	5.323039577	4.239496033
LRP1	ENSG00000123384.13	4.427052444	6.057091935	4.100766994
LRR14	ENSG00000160959.7	4.694842282	4.26926279	4.571763957
PANK4	ENSG00000157881.13	4.212003516	4.327381796	4.955144608
BDP1	ENSG00000145734.18	4.526018628	4.024253099	4.321204842
BBX	ENSG00000114439.18	5.037270232	5.26939688	4.962254523
PRR12	ENSG00000126464.13	5.573883561	5.111484071	4.494018639
CHST10	ENSG00000115526.10	4.524213192	5.316474164	4.034936583
ERG28	ENSG00000133935.6	4.055977261	4.985651365	4.859769891
SIRT6	ENSG00000077463.14	5.412232287	5.416610557	4.573262554
PPP6R2	ENSG00000100239.15	4.741560862	5.910995055	5.92290514
ZNF316	ENSG00000205903.6	4.737859639	5.30110317	5.087243895
STX16	ENSG00000124222.22	6.893390548	6.512584408	5.891943679
TRAF3IP2	ENSG00000056972.18	4.144717202	5.011197325	4.532370071
SMC2	ENSG00000136824.18	5.973693806	5.459745034	3.977721301
ACTR6	ENSG00000075089.9	5.903703133	4.972630181	4.079450205
POLA1	ENSG00000101868.10	5.381531671	4.029368526	4.485538718
TECPR1	ENSG00000205356.9	4.058337601	5.152888355	4.883173705
RASA1	ENSG00000145715.14	4.844780335	4.305560132	5.569709194
PRPF4	ENSG00000136875.12	7.165474672	6.617608851	3.989716075
SPG11	ENSG00000104133.14	4.990814521	5.184137985	5.346170975
MAML1	ENSG00000161021.12	5.152637625	4.014742331	4.30761417
HERPUD1	ENSG00000051108.14	5.790718258	6.796114291	6.983401463
ZCCHC3	ENSG00000247315.3	5.325320982	5.297887827	3.969506044
RITA1	ENSG00000139405.15	5.686179167	5.358787661	3.98033632
KDM5A	ENSG00000073614.12	5.570241151	4.726239826	6.850737953
TRPT1	ENSG00000149743.13	5.066585609	4.873230731	4.904217419
LAMA4	ENSG00000112769.18	7.136466287	4.98132597	4.019632109
SPPL2A	ENSG00000138600.9	5.29792213	4.76568364	4.973492141
UBXN2A	ENSG00000173960.13	4.776615786	4.476284434	4.026437828
LRR8D	ENSG00000171492.14	5.52747854	5.393259472	6.09540691
UFSP2	ENSG00000109775.10	5.003877732	4.330731446	4.881140638
RMND1	ENSG00000155906.16	4.771773565	4.782172014	4.25191874
PGP	ENSG00000184207.8	4.829226964	4.908294487	4.235451982
EPB41	ENSG00000159023.19	5.463890002	5.44718448	5.847872117
FANCD2	ENSG00000144554.10	5.238746826	4.74245614	4.115666954
ENOSF1	ENSG00000132199.18	4.26018101	5.835877921	4.005460978
C17orf62	ENSG00000178927.17	5.116312372	5.357516666	5.904005228
BAZ1A	ENSG00000198604.10	5.427889838	4.353814969	4.063699117
NRIP1	ENSG00000180530.10	5.631777718	4.246899971	4.779983313
RNFT1	ENSG00000189050.15	4.555182273	5.481526661	6.020070949
MAD1L1	ENSG00000002822.15	4.845549499	7.226547267	6.522964579
SMPD1	ENSG00000166311.9	4.084097495	5.73274307	5.981073361
STAMPB	ENSG00000124356.15	4.824581686	4.590339505	4.858086074
VPS50	ENSG00000004766.15	4.113505519	5.024046793	4.447086027

PEX16	ENSG00000121680.15	5.580581565	5.463098701	5.642904091
L3MBTL2	ENSG00000100395.14	4.796000257	4.933625605	4.093230873
PSMB10	ENSG00000205220.11	4.607020224	4.035040049	5.233106471
PCNX4	ENSG00000126773.12	4.401595098	4.179488521	4.66041618
KIAA1109	ENSG00000138688.15	4.033809823	4.450137559	4.598693846
PIAS3	ENSG00000131788.15	5.862891307	5.590597724	4.032665091
IFT22	ENSG00000128581.15	4.844968897	4.376102558	3.992945591
FAM222B	ENSG00000173065.13	4.907209249	6.026536553	6.685315867
PGM2	ENSG00000169299.13	6.347390455	4.025897671	5.670226589
NSL1	ENSG00000117697.14	5.643720985	4.132705764	4.042728223
METTL6	ENSG00000206562.11	4.926214493	4.995656144	4.849615405
TCIRG1	ENSG00000110719.9	5.712477708	5.168853545	5.924874323
MIB1	ENSG00000101752.11	4.197821232	4.993215676	4.779514758
C2CD5	ENSG00000111731.12	4.914516159	4.234514209	4.343387106
DNAJC4	ENSG00000110011.13	4.281722436	4.304681639	5.522698655
HMGB1P6	ENSG00000259781.1	6.37124679	4.825914202	4.293946311
LARS2	ENSG00000011376.9	4.431554507	4.287326445	4.337042855
DYNC2LI1	ENSG00000138036.18	4.825704384	4.355129514	4.695190141
WASHC2A	ENSG00000099290.15	4.003397686	4.377107014	4.922248441
KLHL18	ENSG00000114648.11	5.073984866	4.380412548	4.043143181
ZNF800	ENSG00000048405.9	5.592641283	4.895347141	5.046711312
C18orf25	ENSG00000152242.10	4.904848769	4.91681167	4.209832997
IFT46	ENSG00000118096.7	5.687674566	4.083311776	5.241085324
AP3S2	ENSG00000157823.16	4.885098162	5.257134073	4.54569768
LATS2	ENSG00000150457.8	4.155417876	4.799462477	4.002426798
MTMR1	ENSG00000063601.16	5.22066611	4.413132479	4.301566609
ARHGAP12	ENSG00000165322.17	5.870355484	4.44071524	4.706147315
ZNF777	ENSG00000196453.7	4.625135002	4.061905308	4.426261109
ZNF623	ENSG00000183309.11	5.227020357	4.39793794	4.665339436
MON2	ENSG00000061987.15	4.678639519	5.117002095	5.491279956
PDE12	ENSG00000174840.8	4.921791028	4.43136562	4.173101881
MON1B	ENSG00000103111.14	5.160467706	5.215123432	5.459893512
MVD	ENSG00000167508.11	4.354169521	5.344377769	5.672529528
PRPF38A	ENSG00000134748.12	6.033961139	4.374417747	4.046879928
PHF12	ENSG00000109118.13	4.833861256	4.639251482	4.483432321
TEAD1	ENSG00000187079.16	5.617674687	7.045552293	4.964097449
ISOC1	ENSG00000066583.11	4.769388343	4.01239803	4.821246582
PLCB3	ENSG00000149782.11	5.128772218	5.21735207	4.009743248
PTK7	ENSG00000112655.15	4.134363214	4.512629454	4.838760438
C1orf109	ENSG00000116922.14	5.118049623	4.492302394	4.00497814
PI4K2B	ENSG00000038210.12	4.974913379	3.984749835	5.434424919
DTNBP1	ENSG00000047579.19	3.994101003	4.406632458	5.713386878
CSRP1	ENSG00000159176.13	5.210015325	4.475418808	5.697103133
TATDN1	ENSG00000147687.18	6.344724355	4.843839443	4.30325193
YWHAH	ENSG00000128245.14	6.390293466	7.57222499	7.253286796
NNT-AS1	ENSG00000248092.7	4.032169636	4.761414868	5.612869239

PRPF39	ENSG00000185246.17	4.031070403	3.980684607	4.428412488
SPHK2	ENSG00000063176.15	5.435097785	5.606817279	4.869339372
C16orf70	ENSG00000125149.11	4.314345592	4.087109609	4.362410217
PIGW	ENSG00000277161.1	4.862475707	5.008139341	4.374552877
PMS2	ENSG00000122512.14	4.816713171	5.250340974	4.586668241
NFRKB	ENSG00000170322.14	5.098779819	3.987876336	4.181857117
KRI1	ENSG00000129347.19	6.275150359	5.396316139	4.939369935
ROBO1	ENSG00000169855.19	5.652129225	5.53354235	4.843796203
GNL3L	ENSG00000130119.15	5.63363516	5.960487455	4.987746761
UTP15	ENSG00000164338.9	5.044761731	4.332623712	4.319913183
PPP4R3A	ENSG00000100796.17	5.371613324	5.195755864	4.00408166
ACTR8	ENSG00000113812.13	4.830959482	5.096832129	4.543868656
CACTIN	ENSG00000105298.13	4.348126102	4.586965973	4.182475257
MRPL48	ENSG00000175581.13	5.506162799	3.998076653	5.48371039
BAG4	ENSG00000156735.10	4.390082592	4.248604254	3.948888778
CREBZF	ENSG00000137504.13	5.218886111	4.162582613	5.152817063
ZNF263	ENSG00000006194.9	4.612272573	4.323555732	4.430298026
NFKBIA	ENSG00000100906.10	4.199841778	4.230531959	4.447445109
TMEM129	ENSG00000168936.10	5.19126063	4.715927499	6.941898847
LINC01578	ENSG00000272888.5	5.490881923	4.743069817	5.507807743
IL1RAP	ENSG00000196083.9	4.39184724	5.798970502	5.297487456
STK11	ENSG00000118046.14	4.938880156	3.952251218	5.149630294
MPST	ENSG00000128309.16	4.576046134	5.332619708	4.332327004
C1GALT1	ENSG00000106392.10	4.029373985	4.36208071	4.633122049
TMEM184C	ENSG00000164168.7	4.687406808	4.642019185	5.013689709
KIF13B	ENSG00000197892.12	3.948510178	4.787938785	5.9526678
CYTH3	ENSG00000008256.15	4.118440938	7.633094144	7.722476351
MAN1A2	ENSG00000198162.12	5.255394563	4.849398797	5.043323351
RAB18	ENSG00000099246.16	4.538698908	4.896535321	4.339486657
BICD1	ENSG00000151746.13	5.666418272	4.718442583	4.014407941
HPS3	ENSG00000163755.8	4.099316737	6.427378598	5.584353912
B3GALNT2	ENSG00000162885.12	5.501313956	3.94227356	4.420091911
THEM6	ENSG00000130193.7	5.101556799	4.163850965	4.427820028
XPR1	ENSG00000143324.13	4.91247725	4.737296959	4.510738338
MKNK1	ENSG00000079277.19	5.105626717	4.843914192	4.111276201
POMT2	ENSG00000009830.11	4.040952971	4.185674867	4.696106519
KMT5B	ENSG00000110066.14	4.648879811	4.211153119	5.673890459
FAM210A	ENSG00000177150.12	4.751312067	6.34600157	7.020292392
SOX4	ENSG00000124766.6	3.95285921	4.332601947	5.744158909
TAF2	ENSG00000064313.11	5.216935272	5.187694014	4.082458231
PPP1R16A	ENSG00000160972.9	4.873847709	4.285484232	4.837251935
TEX2	ENSG00000136478.7	3.987122772	6.018856687	6.246947254
FAM83D	ENSG00000101447.14	6.464851205	5.64458508	3.971329672
OARD1	ENSG00000124596.16	4.659883755	4.485401378	4.620977759
MRPS2	ENSG00000122140.10	5.865880504	6.866435543	6.08471192
ERCC6L2	ENSG00000182150.15	5.26482002	5.043023102	4.733239072

WDR3	ENSG00000065183.15	6.636061064	5.318229993	4.020244919
MEGF8	ENSG00000105429.12	4.75086629	5.298626489	4.795988304
MSANTD4	ENSG00000170903.10	5.446461373	5.237979649	5.958343068
DMAC1	ENSG00000137038.7	5.536835617	3.993939654	4.490850593
TRAFD1	ENSG00000135148.11	5.113433946	4.229859394	3.996744585
COMMD9	ENSG00000110442.11	4.034171104	4.951971003	4.106863902
HACL1	ENSG00000131373.14	5.964350164	5.959607743	4.322684835
PLEKHA8	ENSG00000106086.18	4.058348714	4.997351854	4.075646553
RANBP10	ENSG00000141084.10	4.448439173	4.864935138	6.542467115
ARID4B	ENSG00000054267.21	5.277008076	3.936333743	4.49417367
FNIP1	ENSG00000217128.11	4.00652645	4.350201238	4.838689898
FAN1	ENSG00000198690.9	4.365926688	4.502183501	4.30844676
C12orf4	ENSG00000047621.11	4.43819604	4.570421044	6.380046724
ERCC2	ENSG00000104884.14	4.812773609	4.072912956	4.1194213
WDR73	ENSG00000177082.12	5.364817441	4.533870993	4.031240632
EBP	ENSG00000147155.10	5.212206537	4.943288302	4.144973254
ZWILCH	ENSG00000174442.11	5.227100179	4.649080902	4.130748061
COG3	ENSG00000136152.14	4.915065146	4.521306682	4.332096479
OSGEP	ENSG00000092094.10	4.152180607	4.310337018	4.646300882
CAMKK2	ENSG00000110931.18	4.578385166	4.159209742	5.153381422
CENPM	ENSG00000100162.14	4.670614389	4.071033476	4.498944901
CUL5	ENSG00000166266.13	4.407315479	3.933973358	4.818560057
ARHGAP5	ENSG00000100852.12	6.253434928	5.585606982	6.082396948
DDX19A	ENSG00000168872.16	6.826448464	5.573106342	4.829445978
AEBP2	ENSG00000139154.14	5.124267509	4.554089589	4.819365122
SC5D	ENSG00000109929.9	4.414874905	5.548837639	5.856413592
STX18	ENSG00000168818.9	4.476935648	4.254485649	6.365580324
STX8	ENSG00000170310.14	4.709590454	4.314220014	5.189222284
CDCA7L	ENSG00000164649.19	5.720820378	5.217565895	4.246128352
PARVB	ENSG00000188677.14	4.025716764	5.995391113	5.430324009
TFIP11	ENSG00000100109.16	4.96465662	5.604741837	5.950882289
ZNF561	ENSG00000171469.10	4.789467988	4.736136811	4.600581143
FAM162A	ENSG00000114023.15	4.753343676	4.736690818	4.461716037
MIOS	ENSG00000164654.15	4.563190099	5.128664486	5.114986078
ASB6	ENSG00000148331.11	6.026242819	5.857048963	4.062294711
CD2AP	ENSG00000198087.7	4.544039935	5.401083823	5.604141496
OPTN	ENSG00000123240.16	4.060465673	5.338563816	5.883439692
USP28	ENSG00000048028.11	5.196670617	4.057295437	4.615588804
SLC12A4	ENSG00000124067.16	4.525299033	4.185893941	4.833504607
TBC1D9	ENSG00000109436.7	4.742849063	5.003125351	3.975392662
FOS	ENSG00000170345.9	4.461872549	5.989855546	4.412135316
PCYT2	ENSG00000185813.10	3.978233028	5.378699499	5.789164086
SLF2	ENSG00000119906.11	4.614507465	3.937506513	5.531955835
SMAD2	ENSG00000175387.15	4.595835033	4.721984654	4.086798571
SYNRG	ENSG00000275066.4	4.951830545	4.871099958	5.418916282
VPS13C	ENSG00000129003.15	4.378715196	4.986040082	5.150824719

TTLL5	ENSG00000119685.19	4.470727878	4.01135627	4.916134212
COG6	ENSG00000133103.16	4.033804101	4.833928573	4.579427482
EFL1	ENSG00000140598.13	4.96466101	4.507206013	5.417110836
DNTTIP2	ENSG00000067334.13	4.819975566	4.605199381	4.055389503
PTAR1	ENSG00000188647.12	5.583272748	5.665648908	4.865310782
ZYG11B	ENSG00000162378.12	4.479390825	3.951954105	4.134050947
UHRF2	ENSG00000147854.16	5.767584814	4.934664724	4.199106397
PEX19	ENSG00000162735.18	5.349004732	5.259574069	5.746033234
SMIM19	ENSG00000176209.11	4.136134802	4.331036096	4.068288723
SNHG15	ENSG00000232956.8	4.915827374	5.908963058	4.735769379
LMO4	ENSG00000143013.12	5.322700969	4.758748163	4.652303322
SDHAF1	ENSG00000205138.3	4.967717954	3.963062653	4.284570148
UCN2	ENSG00000145040.3	6.335554555	4.966931284	6.114782719
NFKB2	ENSG00000077150.18	5.906287423	4.610906232	5.076247168
C2orf69	ENSG00000178074.5	3.919279575	4.584452336	5.232063904
TRAK2	ENSG00000115993.12	3.94721327	5.816595354	7.111933822
SLC41A3	ENSG00000114544.16	4.614542152	5.336468217	5.174987469
IMPACT	ENSG00000154059.9	4.378683346	5.085936582	3.913153188
DPH7	ENSG00000148399.12	4.831866574	5.116845313	4.421649932
JPT2	ENSG00000206053.12	4.69025346	4.299108996	4.162671941
NBPF1	ENSG00000219481.10	4.94304684	4.730213162	5.321763435
CCNT1	ENSG00000129315.10	5.438144903	4.671306623	3.936256601
SLCO4A1	ENSG00000101187.15	6.710118534	3.973428787	4.030460292
GALK2	ENSG00000156958.14	4.380753161	4.935510563	4.966844627
RIOK2	ENSG00000058729.10	4.399042626	4.160934204	3.932124512
TRABD	ENSG00000170638.9	5.07788533	5.227633566	5.012106286
TACC1	ENSG00000147526.19	4.44025004	5.62187269	6.140407232
KRBOX4	ENSG00000147121.15	4.684074019	4.028505377	3.913717887
ACP5	ENSG00000102575.10	5.059458493	6.251022127	6.943735909
RALGDS	ENSG00000160271.14	4.591752822	5.245804573	4.303497841
MRPS16	ENSG00000182180.13	5.091087268	4.362344963	4.530125366
IDUA	ENSG00000127415.12	4.184052901	4.402626242	5.210380686
COMMD10	ENSG00000145781.8	4.949778381	5.00203648	4.366279544
RBM4B	ENSG00000173914.11	4.503219266	4.020945525	4.092585607
SPSB1	ENSG00000171621.13	3.997500077	5.592013218	6.388043359
C1orf52	ENSG00000162642.13	5.137179754	4.466964103	3.997371327
MTMR12	ENSG00000150712.10	4.766226275	4.399846979	5.333837459
MASTL	ENSG00000120539.14	4.77771554	4.367530561	3.922717536
STRN	ENSG00000115808.11	4.804929779	4.597094382	4.671452574
C19orf60	ENSG00000006015.17	5.881619073	5.455889445	5.151493249
TOR1B	ENSG00000136816.15	5.305145499	4.979161507	3.939056167
BRWD1	ENSG00000185658.13	4.09995526	4.284967551	5.14762552
ARL8B	ENSG00000134108.12	4.389267519	5.156071801	4.775188507
TYW3	ENSG00000162623.15	5.780524039	4.984253122	3.936754932
KIF4A	ENSG00000090889.11	5.647025669	4.445866647	3.991455535
CALCOCO1	ENSG00000012822.15	4.637695972	4.890701748	4.514345309

AGFG1	ENSG00000173744.17	4.558935055	5.647907201	4.738903086
NDC1	ENSG00000058804.11	6.172281866	5.074255004	3.968240832
YPEL3	ENSG00000090238.11	4.387219307	4.069176314	4.91628325
MFSD11	ENSG00000092931.11	4.014979278	4.010050568	4.948790715
POLR2D	ENSG00000144231.10	4.436618005	4.22506875	3.972770483
VPS53	ENSG00000141252.19	4.608113302	4.536843067	4.268928176
ZDHHC17	ENSG00000186908.14	4.580897555	4.355204317	5.406725591
TANK	ENSG00000136560.13	4.505658319	5.308112188	5.054615254
PRDM4	ENSG00000110851.11	4.921675628	4.697110127	3.939687169
CPT2	ENSG00000157184.6	5.395418896	4.937168162	3.981407974
RAD1	ENSG00000113456.18	4.810165903	4.097524757	4.448503736
RYBP	ENSG00000163602.10	4.224507669	3.921293661	4.461785572
GAMT	ENSG00000130005.12	5.412512986	5.769270959	4.979494554
ADCY6	ENSG00000174233.11	4.586301002	5.159630069	4.993827208
TVP23B	ENSG00000171928.13	5.963235761	4.88248757	5.060953495
NARFL	ENSG00000103245.13	5.148428448	4.669791367	4.787610293
VAMP2	ENSG00000220205.8	4.777149674	3.963961127	6.152094612
E2F7	ENSG00000165891.15	4.623543672	3.999954188	4.361205188
SLC30A1	ENSG00000170385.9	5.526613115	4.533559954	3.917946435
CHD9	ENSG00000177200.16	5.133275539	4.328975223	4.957953192
ANKLE2	ENSG00000176915.14	5.13099971	5.467006405	4.409322819
UBN1	ENSG00000118900.14	4.965143882	4.138065035	5.602171095
ASH1L	ENSG00000116539.12	5.286799269	4.897147323	4.245919584
TIGAR	ENSG00000078237.6	4.646698856	5.451444708	7.429296583
MKRN2	ENSG00000075975.15	4.779859736	4.580150348	4.818101574
C5orf30	ENSG00000181751.9	5.144947031	4.666982818	5.863281626
SORBS3	ENSG00000120896.13	6.006718191	5.076272057	6.697900516
CPNE2	ENSG00000140848.16	4.010928015	4.043056419	4.57667729
PPIL4	ENSG00000131013.3	5.290695973	4.69525746	4.076651116
PALB2	ENSG00000083093.9	4.761033273	4.505300388	3.924845445
UBA6	ENSG00000033178.12	4.435280552	4.499926042	4.464359386
RHOBTB2	ENSG00000008853.16	4.461848551	4.667443652	4.591425967
EVA1B	ENSG00000142694.6	5.150238335	4.13445718	4.522801154
NAGA	ENSG00000198951.11	3.900884227	5.150280521	5.566440136
IGSF8	ENSG00000162729.13	4.683505143	8.078018843	7.086099663
PTPN2	ENSG00000175354.18	4.891640737	4.8498255	4.291554409
ZCCHC10	ENSG00000155329.11	4.586166911	3.906086662	4.215442379
MSI2	ENSG00000153944.10	5.321586819	5.676568826	6.517848691
FIGNL1	ENSG00000132436.11	4.457427968	5.464141302	5.94915657
CCDC71L	ENSG00000253276.2	4.54941493	5.342381078	4.076547113
XRCC1	ENSG00000073050.11	5.331703255	3.893113884	4.489018648
AFTPH	ENSG00000119844.15	5.335037405	5.052129084	4.998894995
UTP23	ENSG00000147679.11	5.017361668	3.899561979	3.923065449
UHRF1	ENSG00000276043.4	6.671385983	5.031165559	4.040814058
BTN2A1	ENSG00000112763.15	3.946399633	4.607846737	4.964068438
CEP131	ENSG00000141577.13	4.098107006	5.064405904	5.475457541

SLC37A4	ENSG00000137700.17	5.09151909	4.185685767	4.01819154
RALB	ENSG00000144118.13	4.664251914	5.372105285	5.265350883
NSF	ENSG00000073969.18	4.072667931	3.905956951	4.325111043
ZNF142	ENSG00000115568.15	4.297503806	4.474990383	3.968390211
ABHD17B	ENSG00000107362.13	5.522452343	5.034759598	4.016132149
APOL2	ENSG00000128335.13	4.509993721	6.374120696	5.545957847
MSH6	ENSG00000116062.14	5.803932088	5.192399873	4.366050806
ZNF274	ENSG00000171606.17	4.504968303	4.592107484	4.231446448
RAP2C	ENSG00000123728.9	4.923611148	4.622497824	4.240989318
ITGAE	ENSG00000083457.11	5.021161209	4.258004303	4.220102355
SDHAF3	ENSG00000196636.7	4.942064345	5.721168007	4.067597838
TIMM22	ENSG00000177370.4	4.594482811	3.925953572	4.146320697
PDCD4	ENSG00000150593.17	6.131619156	4.815548307	5.82067721
AK6	ENSG00000085231.13	5.557845951	4.017327491	5.454637228
TMEM39A	ENSG00000176142.12	4.348971573	4.859535013	4.122982074
BNIP3	ENSG00000176171.11	6.044998101	4.039056944	5.186715753
SLC35E2B	ENSG00000189339.11	4.705643518	4.529737115	4.885838041
CASKIN2	ENSG00000177303.9	4.133018495	3.917372204	4.559240802
MBNL2	ENSG00000139793.18	5.31680446	4.490007582	5.477754553
CARNMT1	ENSG00000156017.12	4.372217806	4.796366554	3.882936055
NCK1	ENSG00000158092.6	4.294055168	4.547972194	4.101405696
ORC4	ENSG00000115947.13	4.301633178	4.760440584	4.754182287
PSKH1	ENSG00000159792.9	4.694357277	3.960404635	4.802517989
ORC3	ENSG00000135336.14	4.926013039	4.610626574	3.896728492
TBCC	ENSG00000124659.6	4.976878528	5.161883153	4.780647422
RAB28	ENSG00000157869.14	4.902971888	4.105410556	6.193896892
RUSC1	ENSG00000160753.15	5.683611859	4.387299637	3.891021035
SLC36A1	ENSG00000123643.12	4.038629261	4.350892285	4.110249264
UBIAD1	ENSG00000120942.13	4.779197121	4.517542963	4.381049613
SCRN2	ENSG00000141295.13	4.855410993	4.746464974	4.690764342
TSC1	ENSG00000165699.13	4.584509881	5.790823388	4.247469131
PRPF18	ENSG00000165630.13	5.392822645	4.641853236	5.136684172
PKMYT1	ENSG00000127564.16	5.435114117	4.580334964	3.987912191
MDFIC	ENSG00000135272.10	4.80774445	5.015782407	4.627560092
CCDC84	ENSG00000186166.8	4.360165402	3.952191636	4.52525205
TES	ENSG00000135269.17	4.481982563	5.06115081	5.311440501
TMEM57	ENSG00000204178.9	4.925470869	4.386127358	4.57095441
DGCR2	ENSG00000070413.19	3.969874533	5.339618558	5.076455957
ITPA	ENSG00000125877.12	6.870195279	6.313599247	4.026158723
CRYZL1	ENSG00000205758.11	4.417498479	4.611272984	5.267012455
CYP27A1	ENSG00000135929.8	3.92187703	5.767434806	7.108747273
CRLS1	ENSG00000088766.11	4.828837524	4.660614427	4.029297156
ABCA2	ENSG00000107331.16	4.786987162	5.391271821	5.449027784
PAQR4	ENSG00000162073.13	4.467047906	4.609447083	3.985312084
JOSD2	ENSG00000161677.11	5.4999392	6.049777662	4.470911405
FRMD6	ENSG00000139926.15	5.870135579	4.566060082	4.864881441

TIMM29	ENSG00000142444.6	5.399872352	4.56460239	4.430119357
AGPAT5	ENSG00000155189.11	4.250227729	3.949674656	5.083361087
SLC27A4	ENSG00000167114.12	5.873083419	6.281607509	3.902940515
GTF2IRD1	ENSG00000006704.10	4.521375858	4.297382711	3.889698113
UBE3B	ENSG00000151148.13	4.759161753	4.504377009	3.927390607
SZT2	ENSG00000198198.15	4.869981574	4.945573632	4.374802856
TLNRD1	ENSG00000140406.3	3.901902868	5.069359641	7.628314226
PCGF1	ENSG00000115289.13	4.754157735	5.109678223	4.735145403
DCUN1D1	ENSG00000043093.13	3.884105033	4.78711749	4.57817042
RPA3	ENSG00000106399.11	5.497916568	5.216827247	3.935633628
EMG1	ENSG00000126749.14	5.783242502	4.283260506	4.374236699
CLN5	ENSG00000102805.14	4.136718526	3.884446671	4.428029942
GOLPH3L	ENSG00000143457.10	5.025887094	4.70995745	4.513460749
PHYKPL	ENSG00000175309.14	4.881641031	4.344628022	4.279649699
CDC42BPA	ENSG00000143776.18	5.344535372	3.849426362	5.142136047
COQ8A	ENSG00000163050.16	6.034705397	4.130969003	4.171316223
CFL2	ENSG00000165410.14	4.718246777	4.083266554	5.322784595
FAM199X	ENSG00000123575.8	4.927347912	5.210289718	5.054527294
SPECC1	ENSG00000128487.16	3.947986854	4.396633564	5.331966437
HERPUD2	ENSG00000122557.9	4.68535152	5.283209483	4.922114134
TTC19	ENSG00000011295.15	4.749485102	4.029659886	4.705843936
CCNA2	ENSG00000145386.9	6.479841717	4.26286878	4.025373338
CCDC51	ENSG00000164051.13	4.94085733	5.747466297	4.528620287
ZBED4	ENSG00000100426.6	4.014482135	4.237450263	4.57216499
IRF2BP1	ENSG00000170604.4	6.176740927	3.848421546	4.650028522
RUNDC1	ENSG00000198863.7	4.846526858	4.599246564	4.433748706
ALKBH6	ENSG00000239382.10	4.606269649	5.083513516	4.564545857
ASCC3	ENSG00000112249.13	5.117208721	5.043140605	4.618359761
CMC2	ENSG00000103121.8	4.993565737	5.315905956	5.845199774
RECQL4	ENSG00000160957.12	5.716691992	4.514719415	4.050094181
PTRHD1	ENSG00000184924.5	5.331834474	4.546964288	3.873957072
RPS6KC1	ENSG00000136643.11	5.301131691	4.185919057	3.906190781
ZFP64	ENSG00000020256.19	4.889987317	3.941404554	5.216965324
INO80C	ENSG00000153391.15	3.948698964	4.342652101	3.959524017
LMBRD1	ENSG00000168216.10	4.534541704	4.442580173	4.950886506
CXorf40B	ENSG00000197021.8	4.795107683	5.309886076	4.824088094
C19orf66	ENSG00000130813.17	4.381255399	5.441657588	4.311099646
SRRD	ENSG00000100104.13	4.556957748	5.156422916	4.714235726
NR2F2	ENSG00000185551.14	6.079689765	4.902247711	4.175317952
RABGGTA	ENSG00000100949.14	4.353983779	4.170751486	4.278220321
TKFC	ENSG00000149476.15	5.600585685	4.514702006	5.249178927
SMIM12	ENSG00000163866.8	5.082136849	4.363520486	4.201118603
AP4M1	ENSG00000221838.9	4.428915785	4.002921459	3.928607611
RBPJ	ENSG00000168214.20	6.291458123	4.199494755	5.69586626
NHLRC3	ENSG00000188811.13	4.001122163	5.392821726	5.085767574
MED13L	ENSG00000123066.7	4.622719083	4.174487834	5.301370699

GABPA	ENSG00000154727.10	4.829332733	4.268418712	4.39322499
BMI1	ENSG00000168283.13	6.002578826	4.760599368	6.289919853
LINC00888	ENSG00000240024.5	4.34490103	5.190695519	4.458026296
BCL10	ENSG00000142867.12	4.394714632	4.393707444	4.363232668
HAUS6	ENSG00000147874.10	6.23554924	4.706495387	3.859746707
PPP2R1B	ENSG00000137713.15	4.801458822	4.12013737	4.71265601
CTDP1	ENSG00000060069.16	4.125931813	5.165763247	4.025496047
RNMT	ENSG00000101654.17	4.989239907	6.100859505	6.307051177
ZNF252P	ENSG00000196922.10	4.996721011	4.126891771	4.795191694
PQLC1	ENSG00000122490.18	3.995603277	4.45498069	4.154977943
TCTN2	ENSG00000168778.11	4.436330132	3.864665594	4.205143027
COG7	ENSG00000168434.12	4.527290521	4.23556236	4.245855183
KCTD3	ENSG00000136636.12	6.396464128	4.076559161	4.051567791
LINC01278	ENSG00000235437.7	3.89930909	5.206859239	5.375625214
RIPK2	ENSG00000104312.7	4.728206828	4.591315216	4.444696387
NDUFAF5	ENSG00000101247.17	4.478511831	4.778034233	3.850496274
ZNF276	ENSG00000158805.11	4.371117998	4.316850762	4.304083429
HABP4	ENSG00000130956.13	3.962659766	5.754530195	5.627625145
POLA2	ENSG00000014138.8	5.379526098	4.271403982	3.932657141
CTU2	ENSG00000174177.12	5.033495939	4.983106715	4.809520823
ZC3H4	ENSG00000130749.9	5.783159935	4.180997589	4.804159598
TBC1D10A	ENSG00000099992.15	3.95217336	5.316242535	5.82990058
AC132008.2	ENSG00000214135.8	3.931297178	4.455646647	5.264625433
TTC14	ENSG00000163728.10	3.924234609	4.271788307	5.276607615
SH3BP2	ENSG00000087266.15	4.580516336	3.975991755	5.603437806
UBXN7	ENSG00000163960.11	4.502400808	4.968499539	4.534253143
LMTK2	ENSG00000164715.5	4.12667629	4.56462343	4.362420305
SLC9A1	ENSG00000090020.10	4.328118113	4.655931405	4.476843532
ZC3H11A	ENSG00000058673.16	4.84141518	5.166825736	5.138731477
FAM114A2	ENSG00000055147.18	4.076610149	3.943111349	4.445810413
AK1	ENSG00000106992.17	5.041950053	4.977491381	3.892315583
HSPBAP1	ENSG00000169087.10	4.130357994	4.538384524	4.40596974
RBSN	ENSG00000131381.12	4.461592395	4.538002759	4.163018544
SNX13	ENSG00000071189.21	4.31999072	4.888116166	4.675743864
PLEKHF2	ENSG00000175895.3	3.904891653	5.060553569	4.103451122
DOT1L	ENSG00000104885.17	5.165420128	4.646931909	6.069052313
PEX1	ENSG00000127980.15	4.079951526	4.52981374	4.555470676
RP2	ENSG00000102218.5	3.982446569	4.715101919	3.868700638
NUDT9	ENSG00000170502.12	4.032570853	5.34566285	4.966660945
CSGALNACT2	ENSG00000169826.7	4.298079147	3.988748217	4.339815326
FAHD2A	ENSG00000115042.9	3.991972195	5.633725501	4.41794849
HMBOX1	ENSG00000147421.17	4.003850604	5.965839446	4.13969941
ADNP2	ENSG00000101544.8	4.449233268	5.023620544	3.944434233
FBXW2	ENSG00000119402.16	5.245265683	5.773919559	3.92179699
PURB	ENSG00000146676.8	5.529190511	5.664281098	5.129631937
SV2A	ENSG00000159164.9	5.848779021	5.178135471	5.926235904

NXPE3	ENSG00000144815.15	5.539675166	5.089776518	4.785948768
OSBPL11	ENSG00000144909.7	4.933725809	3.85639201	3.850799237
ANKRD39	ENSG00000213337.8	3.930259593	5.200569036	7.13765948
THAP7	ENSG00000184436.11	4.329081303	4.043030457	3.908371009
COQ6	ENSG00000119723.16	4.09197004	4.006718656	4.734608295
TAF4	ENSG00000130699.18	4.71977189	3.880753264	4.885819019
TMEM218	ENSG00000150433.9	4.426068462	4.028909588	4.233951917
DCP1A	ENSG00000272886.5	4.968558153	4.406659502	3.857497172
CCDC91	ENSG00000123106.10	5.152335796	5.636847193	4.714630181
ATR	ENSG00000175054.14	4.85160888	4.973277643	3.970276295
KLHL20	ENSG00000076321.10	5.022427289	4.073421117	3.867301682
SLC35F6	ENSG00000213699.8	5.521017572	6.159893438	5.186216395
JMJD1C	ENSG00000171988.18	5.138989595	4.483646397	5.34411874
HAUS4	ENSG00000092036.18	5.236027845	3.970391314	4.725379317
TARBP1	ENSG00000059588.9	5.094667148	3.818423143	4.731204294
ZNF271P	ENSG00000257267.3	4.076334856	5.158766697	4.502504953
SETD3	ENSG00000183576.12	5.549720728	6.435043186	3.870544004
ABCB7	ENSG00000131269.15	4.617076324	4.77131253	4.206707017
GCDH	ENSG00000105607.12	4.878003306	4.718642068	4.510893828
CHCHD6	ENSG00000159685.10	4.054373255	6.978808834	8.397286824
FUZ	ENSG00000010361.13	5.93131755	4.462537155	4.135928729
TWIST1	ENSG00000122691.12	5.463680804	5.591508595	6.392570756
SEC24B	ENSG00000138802.11	4.987657285	4.458934748	5.395774671
CHEK1	ENSG00000149554.12	6.022677659	4.000181223	4.295441627
AKAP1	ENSG00000121057.12	5.604503196	5.035143773	5.719647361
LNPEP	ENSG00000113441.15	4.315988554	4.00201117	4.807526242
SMUG1	ENSG00000123415.15	5.70774285	5.373427625	4.461119622
TANGO2	ENSG00000183597.15	4.078848502	6.852062812	6.413991768
DSCC1	ENSG00000136982.5	5.889562932	3.815652028	4.153067503
YTHDF3	ENSG00000185728.16	4.022800552	6.117676817	4.117696028
TRIP4	ENSG00000103671.9	4.71044198	4.954206479	4.656199489
RIOX2	ENSG00000170854.17	5.14350616	5.076236946	5.063740902
SHQ1	ENSG00000144736.13	5.571063561	4.647814282	3.830269703
FERMT2	ENSG00000073712.14	4.685084398	4.770848855	4.01296257
CNPY4	ENSG00000166997.7	5.273329647	5.772259085	3.917944893
RNGTT	ENSG00000111880.15	4.44487466	3.848225033	3.953602665
CTBP2	ENSG00000175029.16	6.847724407	5.529790419	5.950254234
XXYL1	ENSG00000173950.15	4.389124558	3.9271134	5.225441367
GTF2H3	ENSG00000111358.13	6.767245375	4.669772476	4.341785047
NCOA2	ENSG00000140396.12	3.826326793	4.548098107	4.894635046
ZMYND11	ENSG00000015171.19	4.945903447	4.033554855	4.974633314
GPN3	ENSG00000111231.8	6.057926178	5.379952496	3.945387644
MIA	ENSG00000261857.6	7.878148615	7.031837666	6.14440798
ZFYVE19	ENSG00000166140.17	4.81654191	4.659882181	4.382235969
ARMC6	ENSG00000105676.13	6.490662207	5.059081587	4.436761468
SMNDC1	ENSG00000119953.12	5.219895507	4.109443647	4.751914039

CEP170B	ENSG00000099814.15	3.98746614	5.371851364	3.965115649
ZNRD1	ENSG00000066379.14	5.001348046	4.431924487	4.786060833
POPDC3	ENSG00000132429.9	6.217542676	5.52550879	3.969463186
NAF1	ENSG00000145414.8	4.865262964	3.845659038	4.384952242
DHX35	ENSG00000101452.14	4.23447837	3.846998374	3.971324558
HES1	ENSG00000114315.3	5.459216148	5.705248442	3.90441108
PTPN9	ENSG00000169410.9	4.367721764	5.037649904	4.111000479
KATNBL1	ENSG00000134152.10	4.686930313	5.566590795	4.316839044
CMTM4	ENSG00000183723.12	4.123730774	3.994547446	5.375413511
BTF3L4	ENSG00000134717.17	5.448856901	3.913041072	4.027842179
MKS1	ENSG00000011143.16	4.361126665	4.342627398	4.414846975
ZNF398	ENSG00000197024.8	3.997625234	3.815398139	3.86821033
MRPS36	ENSG00000134056.11	5.391276702	4.198816098	5.186954152
REV3L	ENSG00000009413.15	3.854587055	4.513056232	4.18974313
NADK2	ENSG00000152620.12	4.651609559	4.238991892	4.767501272
TMEM268	ENSG00000157693.14	4.243346992	5.705560604	6.501475066
USP3	ENSG00000140455.16	4.986417146	4.627417734	4.83191028
RN7SL2	ENSG00000274012.1	6.765800393	5.44846348	7.076333387
SCMH1	ENSG00000010803.16	4.711757	3.933109054	4.894384651
CDYL	ENSG00000153046.17	4.281693527	5.394281657	7.370677582
KIAA1143	ENSG00000163807.5	4.760470625	3.973335666	3.865056893
ABHD5	ENSG00000011198.7	4.692807975	4.247914056	3.912058423
RSPRY1	ENSG00000159579.13	4.854099452	4.179731101	4.57741773
HEATR6	ENSG00000068097.14	4.934301212	4.392380224	4.39820486
EXOSC5	ENSG00000077348.8	6.545032739	5.109555457	4.614930436
ZNF428	ENSG00000131116.11	5.224019856	3.859707424	6.133635888
CAPN10	ENSG00000142330.19	3.841453721	4.63315492	4.589785356
HINT2	ENSG00000137133.10	5.165725935	4.406084913	4.272612966
TCEAL1	ENSG00000172465.13	3.86868785	5.321600857	5.133783064
SLC30A6	ENSG00000152683.14	4.645854039	4.953010876	4.160010896
RSAD1	ENSG00000136444.9	5.377873312	5.081441189	5.724849707
TRIM11	ENSG00000154370.15	5.038168753	4.194870175	4.306257499
ZCCHC14	ENSG00000140948.11	4.444361104	5.564201124	5.551563394
DDX24	ENSG00000089737.16	5.510301561	5.297468591	4.066039961
CASP7	ENSG00000165806.19	5.431790714	4.083084697	4.004792769
HOOK3	ENSG00000168172.8	3.948567757	4.265098152	4.921447275
AXIN1	ENSG00000103126.14	4.464639998	4.224684353	4.761354704
HOXC10	ENSG00000180818.4	6.742911204	4.550717612	4.817889818
NUMB	ENSG00000133961.19	4.660351507	4.8186553	5.943344841
BRPF3	ENSG00000096070.19	4.051971449	3.920576736	4.387704132
ZNF12	ENSG00000164631.18	4.338918596	5.040047839	4.85231419
MUTYH	ENSG00000132781.17	4.823170531	3.967732488	4.042944996
KIFC2	ENSG00000167702.11	3.917375282	5.339352706	4.960668942
TRIM41	ENSG00000146063.19	4.942568953	3.844296703	4.44016497
RNF25	ENSG00000163481.7	4.46040243	4.815079157	3.889344235
DNAJB9	ENSG00000128590.4	3.911469007	5.229726874	5.698257244

GTF2E1	ENSG00000153767.9	4.071409813	4.651904942	3.902873432
ZNF326	ENSG00000162664.16	5.103099803	4.785686085	3.982194027
AC084033.3	ENSG00000257698.1	4.766442359	4.041034582	6.740128625
NVL	ENSG00000143748.17	5.267867933	3.98914864	4.121654871
GCSH	ENSG00000140905.10	5.166210254	4.799876602	4.218563102
TMEM167B	ENSG00000215717.5	4.352526214	4.720892848	4.986614543
TEPSIN	ENSG00000167302.10	4.389212923	5.296450287	5.267853212
CTNS	ENSG00000040531.14	4.366485373	4.331580645	3.833140597
RAB4B	ENSG00000167578.17	4.636067773	4.988930113	5.351021307
GTPBP3	ENSG00000130299.16	5.248587841	4.848601033	4.025542
CMTM7	ENSG00000153551.13	5.527570921	4.465893333	6.041358928
LG MN	ENSG00000100600.14	4.768246696	5.870722077	3.942544968
NEK9	ENSG00000119638.12	3.808392744	4.945439051	3.964829664
POLD3	ENSG00000077514.8	5.189165854	3.930962385	4.089944882
PDIA5	ENSG00000065485.19	3.830026424	5.659945731	4.933006
ARL16	ENSG00000214087.8	4.21164269	4.594697804	4.644743487
TLE3	ENSG00000140332.15	5.041056491	4.209201917	4.839685186
BIRC2	ENSG00000110330.8	5.039043555	4.069262864	4.928126636
POLK	ENSG00000122008.15	4.078223628	3.838163221	4.859200142
HERC2P2	ENSG00000276550.4	4.668113839	5.123102407	4.774893849
KMT2A	ENSG00000118058.20	4.715684566	3.820242689	4.221289414
ESCO1	ENSG00000141446.10	4.326352451	5.302696416	5.099045323
NAPG	ENSG00000134265.12	3.81924985	5.004348446	4.965181473
TMEM41A	ENSG00000163900.10	3.927669452	3.996228746	4.320508818
RNF121	ENSG00000137522.17	4.847555461	4.219267896	4.393058489
FGFR1OP2	ENSG00000111790.13	5.360666625	4.355834983	5.392164315
GATB	ENSG00000059691.11	3.97783051	4.398622063	4.77653867
TMEM2	ENSG00000135048.13	7.438913236	6.873605549	3.883894214
ZRSR2	ENSG00000169249.12	4.527810889	3.891347423	4.128568751
ARFIP1	ENSG00000164144.15	4.601819843	3.900910125	4.34010516
MIS18BP1	ENSG00000129534.13	5.245021918	3.908034209	3.907509512
MAPKBP1	ENSG00000137802.13	3.903400713	4.64212583	5.243609962
TXNDC15	ENSG00000113621.14	5.051242536	4.098484037	4.648797865
ZDHHC20	ENSG00000180776.15	5.212298472	4.885599716	5.191781998
TAF8	ENSG00000137413.15	4.312313394	4.010098731	4.5731381
CMSS1	ENSG00000184220.11	5.34172346	4.607158526	4.349439102
FUNDC1	ENSG00000069509.5	4.747259093	4.903649794	4.446084251
AC027644.3	ENSG00000272831.1	3.84015359	4.761489643	4.195257837
GALNT7	ENSG00000109586.11	4.79249898	4.793763474	5.234644547
POLG2	ENSG00000256525.6	4.990735611	4.878440794	4.834538402
RNF214	ENSG00000167257.10	4.535827555	3.947868355	4.831814638
SLC25A25	ENSG00000148339.12	4.548625183	5.34713517	3.941954102
TMED8	ENSG00000100580.7	4.505636317	3.971292837	4.643086366
PPIL2	ENSG00000100023.18	4.594807746	4.025326889	4.393574002
KHNYN	ENSG00000100441.9	4.44158377	4.391446592	4.725819408
ERI2	ENSG00000196678.13	4.507119858	3.993875932	3.79330188

CEPT1	ENSG00000134255.13	4.359391819	4.525697558	4.300493875
TAX1BP3	ENSG00000213977.7	6.227275507	5.270681469	3.863736919
SLC25A38	ENSG00000144659.10	5.799091246	5.641545797	4.58047215
MCAT	ENSG00000100294.12	4.083113666	3.972299622	4.391450958
PTPRF	ENSG00000142949.16	6.236165285	5.10992014	3.917007157
SRF	ENSG00000112658.7	5.182189696	4.806164028	5.430611359
ZNF652	ENSG00000198740.8	3.973993664	5.205132372	4.506612674
ACYP1	ENSG00000119640.8	4.280049238	3.9091594	5.091895457
WDR54	ENSG00000005448.16	6.120819549	4.923272672	3.820546502
LEMD3	ENSG00000174106.2	4.630577972	4.064904628	3.891399177
DNAJC10	ENSG00000077232.17	3.806609811	5.22862355	4.950591478
DIMT1	ENSG00000086189.9	5.598510858	3.812943011	4.42598454
LARP6	ENSG00000166173.10	5.64639604	5.213132307	5.583881967
FAM133B	ENSG00000234545.7	4.234285524	4.199777408	4.118705033
TGFBR1	ENSG00000106799.12	4.166772807	5.494518033	4.986746109
RWDD4	ENSG00000182552.14	4.73014348	4.150424815	3.874428212
GIN52	ENSG00000131153.8	5.156462377	4.115043436	4.101605746
NRF1	ENSG00000106459.14	4.21257288	3.840646618	3.896656139
WDR91	ENSG00000105875.13	4.057460015	5.986829332	5.249494965
PPP2R5A	ENSG00000066027.11	5.13328681	5.23007797	6.294428422
VAC14	ENSG00000103043.14	5.54992139	6.463874604	6.07546675
PARD3	ENSG00000148498.15	4.531676686	3.890289144	5.149742194
DDX47	ENSG00000213782.7	7.214839659	5.665478389	5.872132192
COMMD3	ENSG00000148444.15	5.107520934	4.360146519	5.38812328
NOMO2	ENSG00000185164.14	4.160885878	4.022081104	4.102396979
TMEM110	ENSG00000213533.11	4.23852756	4.696140363	4.06828676
ZNF76	ENSG00000065029.14	4.085851064	4.529553832	4.338544619
WDR81	ENSG00000167716.18	4.642136656	3.987753276	4.619943183
CCDC77	ENSG00000120647.9	5.182096559	3.912630419	4.602077437
TNRC6B	ENSG00000100354.20	4.291601416	4.854980635	4.71465049
CPD	ENSG00000108582.11	5.675696816	5.552665458	6.197304988
LARP4B	ENSG00000107929.14	4.729244899	4.53332371	4.762937487
IFNAR2	ENSG00000159110.19	4.020421102	4.391323223	4.759526723
LDAH	ENSG00000118961.14	4.184606319	4.581262503	3.866486523
CHML	ENSG00000203668.2	5.554376288	3.822028702	5.736648334
OTULIN	ENSG00000154124.4	4.498820053	4.412919834	4.627081331
STARD4	ENSG00000164211.12	4.057106113	4.662305048	5.606861418
CDK2AP2	ENSG00000167797.7	5.358202272	3.982369918	4.574251602
MTND2P28	ENSG00000225630.1	4.03125845	4.733090877	5.314487414
ZSCAN29	ENSG00000140265.12	4.538999513	4.551235459	4.594530546
ABHD3	ENSG00000158201.9	4.595873966	5.069969276	3.873188358
BBS7	ENSG00000138686.9	4.143128606	3.851841655	4.293098701
SGO2	ENSG00000163535.17	5.092408544	4.911089138	3.945057731
MRPL1	ENSG00000169288.17	4.974581676	4.76973249	4.077150129
ENGASE	ENSG00000167280.16	4.518689088	4.928392582	5.236012951
ZFAND2A	ENSG00000178381.11	4.608289876	5.408288498	4.963521256

KLHDC2	ENSG00000165516.10	5.249284189	4.223529788	4.519071234
MTR	ENSG00000116984.12	5.353268731	3.802148868	4.271839554
SLC7A6OS	ENSG00000103061.12	3.794664557	3.928926359	5.306046327
SGSM2	ENSG00000141258.12	4.331577615	3.947695739	4.685140798
DTX2	ENSG00000091073.19	4.123015164	4.385857957	4.125527294
HGSNAT	ENSG00000165102.14	3.76925177	4.039105342	4.426747262
GON4L	ENSG00000116580.18	4.796306744	4.845022048	4.097368419
BMP1	ENSG00000168487.17	4.507300455	4.8259589	3.863345554
RPL22L1	ENSG00000163584.17	7.48460362	5.115130958	5.301901621
DENND6A	ENSG00000174839.12	4.898673583	4.22335582	3.869454859
ZNF121	ENSG00000197961.11	4.879907653	5.378205923	4.516807944
EEA1	ENSG00000102189.16	4.608953189	6.096026611	3.815401269
SLK	ENSG00000065613.13	5.848385091	4.388827509	5.228335633
CNIH4	ENSG00000143771.11	5.415789407	4.451313778	4.002024806
KIFAP3	ENSG00000075945.12	5.964825907	4.564499874	6.085689614
VPS8	ENSG00000156931.15	3.750605387	6.283472213	5.501310152
MTATP8P1	ENSG00000240409.1	3.856959526	5.695303294	4.812423199
PCBP4	ENSG00000090097.21	7.146930443	6.061293746	3.897896779
TTC38	ENSG00000075234.16	4.159670632	4.348725158	4.136784466
UTP20	ENSG00000120800.4	5.577746153	5.33332232	3.777091884
CENPT	ENSG00000102901.12	4.661059483	3.774672177	4.400364434
MRPL34	ENSG00000130312.6	5.971033598	5.772965074	5.143947283
HSPA1A	ENSG00000204389.9	4.790280634	5.159482902	5.439551619
MECR	ENSG00000116353.15	4.15052946	4.266444547	3.848276944
SETX	ENSG00000107290.13	3.854722644	5.676650249	4.695437463
CAPN7	ENSG00000131375.9	5.474532983	5.380189388	4.098754489
RNF135	ENSG00000181481.13	4.536273287	4.106699941	4.284258178
NEK4	ENSG00000114904.12	4.59850974	4.290478497	3.966985465
ARMC7	ENSG00000125449.6	4.526451334	3.873558286	4.761336713
IER2	ENSG00000160888.6	6.06156684	5.933996692	5.966169023
IFT81	ENSG00000122970.15	5.254855932	5.812430687	3.78996789
OXLD1	ENSG00000204237.4	5.61744393	4.885460136	4.289859197
DSTYK	ENSG00000133059.16	4.150976588	4.700787756	8.460476455
MPDZ	ENSG00000107186.16	5.084092661	4.379002743	4.971383675
B3GLCT	ENSG00000187676.7	3.77725834	3.963787288	4.13061412
TBL3	ENSG00000183751.14	5.126602325	4.52560724	4.241267299
MPP1	ENSG00000130830.14	3.902181183	4.345347889	5.063165238
RAD9A	ENSG00000172613.7	4.639628516	3.976020473	4.920743183
DIRC2	ENSG00000138463.8	3.830283996	5.155883717	4.668271393
SOS1	ENSG00000115904.12	4.580838479	4.549658979	4.202607555
EARS2	ENSG00000103356.15	4.897251247	4.439311411	4.379134693
SNAPC5	ENSG00000174446.12	4.390424958	4.464231727	4.129878743
RRAS2	ENSG00000133818.13	4.835519416	4.854080568	4.419312818
FAM126A	ENSG00000122591.11	3.912249632	5.164281931	4.066059202
MAP2K7	ENSG00000076984.17	4.539763592	4.068120992	4.198692181
PTPN14	ENSG00000152104.11	6.048395221	4.857616295	4.684514378

ZPR1	ENSG00000109917.10	5.50072917	3.757854427	5.082009282
PNMA1	ENSG00000176903.4	4.669717661	4.919897534	3.812849295
RNASEH2B	ENSG00000136104.19	4.834784041	3.956597912	4.125991212
EXOC8	ENSG00000116903.7	4.303421962	3.755196217	3.887130924
KLHDC4	ENSG00000104731.13	5.440768503	4.68990736	5.394702965
SNHG5	ENSG00000203875.10	7.625622404	7.229905669	4.047746433
CYP20A1	ENSG00000119004.15	3.826780112	4.404297317	3.952235069
MIS18A	ENSG00000159055.3	4.868635714	5.111901349	3.845020634
KLHL24	ENSG00000114796.15	4.152395196	5.729730305	5.550014473
PTPRG	ENSG00000144724.19	4.850542923	5.199708754	5.873075898
SELENOO	ENSG00000073169.13	3.797466232	4.888295886	3.905095706
PIGBOS1	ENSG00000225973.3	4.739790291	4.76212822	4.863540855
CEBPG	ENSG00000153879.8	4.9345686	4.447596386	5.752508598
ASB3	ENSG00000115239.21	4.794675629	4.422781866	3.821107823
NLK	ENSG00000087095.12	4.775001913	5.574131084	5.704842285
PCDHGC3	ENSG00000240184.6	6.083463684	4.769149062	6.550227189
ANKS1A	ENSG00000064999.13	3.787467596	4.880516575	8.466196902
RAB11FIP5	ENSG00000135631.16	3.914000052	4.451898053	4.491374671
VPS33B	ENSG00000184056.14	4.625685343	4.785392793	4.102961729
CENPH	ENSG00000153044.9	6.056692984	3.986674003	4.339390201
CDK8	ENSG00000132964.11	4.822181376	4.560988577	4.003879726
YIPF4	ENSG00000119820.10	4.687199979	4.532197836	3.782562869
KTI12	ENSG00000198841.3	5.041891718	4.686058841	3.908344956
C22orf46	ENSG00000184208.10	4.796235424	4.715779829	4.534231138
MANBA	ENSG00000109323.8	3.900396536	4.637762662	4.953873444
GMEB2	ENSG00000101216.10	4.176491617	3.853010983	4.299631133
MED27	ENSG00000160563.13	6.160728223	6.049615361	3.80290413
CDC42EP4	ENSG00000179604.9	5.477383397	4.900870492	3.829059787
BET1	ENSG00000105829.11	4.410051951	6.061974482	4.651553613
PAXIP1	ENSG00000157212.18	4.232586521	4.637438483	3.861640475
NET1	ENSG00000173848.18	5.988799373	3.885188783	4.543484849
UCK1	ENSG00000130717.12	5.573852813	6.138163111	3.841099506
GCAT	ENSG00000100116.16	3.806748283	5.034328151	5.912681606
HKR1	ENSG00000181666.17	4.633461459	4.650287851	4.703272127
DFNA5	ENSG00000105928.13	3.894869633	5.573382355	6.023060389
PROSER1	ENSG00000120685.19	4.499753226	4.16816376	4.570124662
HIPK3	ENSG00000110422.11	3.888585408	4.749735042	5.839016431
PLK2	ENSG00000145632.14	5.570896184	5.955591492	3.838601091
TEX41	ENSG00000226674.8	3.768676364	5.564578597	4.680341796
MPPE1	ENSG00000154889.16	3.983585235	4.610278341	3.995233828
ANAPC4	ENSG00000053900.10	5.076790035	4.053175682	5.63948196
PPP3CB	ENSG00000107758.15	4.882145194	4.932234977	5.297028225
LINC00969	ENSG00000242086.8	3.94290159	5.246967006	4.877620635
PLPP5	ENSG00000147535.16	3.804824776	4.815561286	4.65245032
SPAG16	ENSG00000144451.18	3.823711638	4.864202626	5.403105468
GPN2	ENSG00000142751.14	4.845141979	3.873566988	3.795269458

TRMT1L	ENSG00000121486.11	5.046816487	4.379316538	3.936034149
LRP6	ENSG00000070018.8	5.387999592	4.869580337	5.50302995
ICE1	ENSG00000164151.11	5.229314778	5.253766347	3.795590622
ARHGEF3	ENSG00000163947.11	4.650368725	4.439544465	7.011195479
CTSH	ENSG00000103811.15	3.817443637	6.969080708	6.86383637
SH3GLB2	ENSG00000148341.17	5.101056624	5.65209036	4.714111315
CTNNBIP1	ENSG00000178585.14	5.75190603	4.009427985	5.873933313
SENP1	ENSG00000079387.13	4.962452288	3.882382061	4.29944256
FZR1	ENSG00000105325.13	4.715624958	4.190397982	4.404674861
SYNGR2	ENSG00000108639.7	5.09573778	5.399002019	5.896742145
AGO2	ENSG00000123908.11	4.877593138	4.49778432	4.321154799
DOHH	ENSG00000129932.8	4.323971028	3.822642471	4.052982788
PLEKHO1	ENSG00000023902.13	4.833235468	5.767444959	4.271946281
SORD	ENSG00000140263.13	5.243846401	4.899746261	4.79485584
BCKDHA	ENSG00000248098.11	5.083827223	5.007887422	4.310016874
ORC2	ENSG00000115942.8	4.795475386	4.920339531	4.494293659
ZNF75A	ENSG00000162086.14	3.865340191	3.896910066	4.471464497
CCS	ENSG00000173992.8	4.58591965	4.396260581	4.292462359
TRMT12	ENSG00000183665.5	4.921361492	4.283358788	4.357641796
LDLRAD3	ENSG00000179241.12	5.46608841	6.017228234	7.250209218
PAX3	ENSG00000135903.18	3.854956129	5.072906169	4.970184826
AGAP2-AS1	ENSG00000255737.2	4.432457682	4.63404503	6.229321745
SUCO	ENSG00000094975.13	4.573399828	3.803546921	4.453671962
MSL3	ENSG00000005302.17	5.492110524	4.233287745	3.852747832
ZFAND2B	ENSG00000158552.12	3.812028304	4.18659921	4.955706699
FAM60A	ENSG00000139146.13	5.256008582	5.141819635	4.482344357
ZNF503	ENSG00000165655.16	3.741855026	4.735191261	4.615859798
SLC25A30	ENSG00000174032.16	4.251273912	4.394031143	4.761258268
UBR1	ENSG00000159459.11	5.215218881	4.929319261	4.538385415
PHIP	ENSG00000146247.13	4.808834205	4.012350394	3.931484039
ISYNA1	ENSG00000105655.18	3.917240155	4.614942167	6.782781484
MTERF1	ENSG00000127989.13	4.681110435	4.669876699	4.931906905
PITPNA-AS1	ENSG00000236618.2	5.261115433	3.915516396	4.306808212
TFCP2	ENSG00000135457.9	5.385088766	4.67176905	4.484656789
CBY1	ENSG00000100211.10	4.360316398	4.845382567	4.560792508
AC067852.2	ENSG00000266962.2	4.905316644	4.218789934	4.864986569
MOSPD3	ENSG00000106330.11	3.939690896	4.756083672	5.250448783
C1orf27	ENSG00000157181.15	4.725489024	3.995982124	3.926761609
PHF3	ENSG00000118482.11	5.792571662	5.165563245	5.396563539
CEP57	ENSG00000166037.10	5.206097378	4.016282759	5.778051444
APPL2	ENSG00000136044.11	5.082408265	4.295734899	3.857633651
NR2C2AP	ENSG00000184162.14	5.160489129	3.889816975	4.134916405
RN7SL1	ENSG00000276168.1	5.713444395	5.286486748	6.371145066
ETV6	ENSG00000139083.10	4.584878205	4.011462382	5.421966821
SMARCD3	ENSG00000082014.16	3.790584584	3.863082284	3.874978679
MCRIP1	ENSG00000225663.7	4.789224158	3.739096506	5.680331344

SEC22B	ENSG00000265808.3	3.701192584	4.161986607	3.863332778
NFE2L3	ENSG00000050344.8	5.04711231	4.130971504	3.791577767
SPC25	ENSG00000152253.8	4.21253667	4.716398558	3.724059949
REPS1	ENSG00000135597.18	4.480700326	5.032514814	4.386585855
NOA1	ENSG00000084092.6	4.898285535	3.75419419	4.414312637
SIRPA	ENSG00000198053.11	4.532214236	8.260595433	5.856289538
NUP107	ENSG00000111581.9	5.550641489	4.74095093	3.710320006
KYAT3	ENSG00000137944.17	3.79672131	4.828051292	4.434711998
TBC1D31	ENSG00000156787.16	4.438810531	3.913691215	4.266091569
SCRN3	ENSG00000144306.14	3.896349052	4.755667766	4.824963226
CASP6	ENSG00000138794.9	4.172723944	4.235637932	4.051895051
B4GALT1	ENSG00000086062.12	5.612552737	6.221858065	3.784709502
FBXL6	ENSG00000182325.10	5.066791376	4.158718049	3.797435437
TMEM161A	ENSG00000064545.14	5.124984148	4.664602754	4.135714984
KLHL42	ENSG00000087448.9	4.531271291	4.076872611	4.578072401
SMARCAL1	ENSG00000138375.12	3.964299003	5.265029877	4.897888231
BNIP1	ENSG00000113734.17	4.793485095	3.827947779	4.400829456
KCTD1	ENSG00000134504.12	3.775648579	4.154290803	4.468777159
STAG3L2	ENSG00000277072.4	4.202905719	4.148266681	4.195936982
RBMXL1	ENSG00000213516.9	4.717849903	4.090124106	3.772913023
TAF9B	ENSG00000187325.4	5.191679572	4.301153006	4.969161513
C8orf76	ENSG00000189376.11	5.221320864	4.406013096	4.533565069
ARHGEF40	ENSG00000165801.9	4.890227447	5.828096112	3.701684941
CEP250	ENSG00000126001.15	4.725902388	3.801537026	4.270935769
SMU1	ENSG00000122692.8	5.504309093	4.192921042	3.940798745
STAM2	ENSG00000115145.9	3.767904779	4.576733052	5.084222865
RCE1	ENSG00000173653.7	4.736129466	4.732593586	3.983007206
MBOAT2	ENSG00000143797.11	4.013430438	4.459689146	4.912082183
DOCK1	ENSG00000150760.12	5.363147698	4.969263977	5.064065574
RFNG	ENSG00000169733.11	4.076843238	4.954383908	5.47613219
FBXO17	ENSG00000269190.5	5.083116137	3.90589336	3.715240925
SLC25A14	ENSG00000102078.15	5.227320448	4.588563697	4.665494488
KRT10	ENSG00000186395.7	5.712038667	4.890524942	5.259956818
TMEM106B	ENSG00000106460.18	3.794511754	5.088450873	4.134184954
CCNY	ENSG00000108100.17	5.26990264	4.232475379	4.863657421
SGK3	ENSG00000104205.12	3.86663905	4.046099273	3.7207537
PRIM2	ENSG00000146143.17	4.346255499	4.326197302	3.755350492
WASHC2C	ENSG00000172661.17	3.863182262	4.002625767	5.095841902
ZNF581	ENSG00000171425.9	4.99241459	3.71365811	5.193080708
TMEM99	ENSG00000167920.8	4.316807043	4.147505043	5.396476607
TOLLIP	ENSG00000078902.15	3.841582122	5.653227355	5.281191246
PDF	ENSG00000258429.1	5.705130119	3.824657431	5.105569865
WASF3	ENSG00000132970.12	3.736192537	4.888709919	5.043391282
CAMSAP1	ENSG00000130559.18	4.470605692	4.705897209	4.982071793
B3GALT6	ENSG00000176022.4	5.042918324	3.944264437	3.800996267
RGS10	ENSG00000148908.14	5.458891562	6.453679386	8.159669397

UEVLD	ENSG00000151116.16	3.724875109	5.281220699	4.193725671
PMS1	ENSG00000064933.17	3.866387455	4.42573911	5.019963971
RBL1	ENSG00000080839.11	4.826743525	3.755290008	3.971459952
TBRG1	ENSG00000154144.12	4.823110447	4.347191888	4.956288505
SIAH1	ENSG00000196470.11	4.605112632	3.81048305	6.438947189
ICE2	ENSG00000128915.11	4.516038175	4.093334226	4.616880348
EZH1	ENSG00000108799.12	4.855705964	4.931043886	5.483487786
N4BP1	ENSG00000102921.7	4.2695523	3.730032702	4.251312566
WDR35	ENSG00000118965.14	4.750440741	4.146283796	3.942888215
HDAC7	ENSG00000061273.17	4.908167866	3.702702286	4.705794787
RBM38	ENSG00000132819.16	4.213709196	4.117247823	4.027869068
KIF18B	ENSG00000186185.13	5.686295234	4.474158695	3.801823517
IMMP1L	ENSG00000148950.9	4.722745509	4.026495074	5.369965146
EXO1	ENSG00000174371.16	6.131591285	3.966409673	3.85459599
ATPAF2	ENSG00000171953.15	4.6883551	3.952366474	3.836954099
ZC3H3	ENSG00000014164.6	4.37939397	4.40560346	4.379429353
ZFYVE21	ENSG00000100711.13	4.104908285	4.897113281	3.783735479
ULK1	ENSG00000177169.9	4.449322075	4.384760023	6.153405322
MRI1	ENSG00000037757.13	6.263630382	5.213246119	4.030387012
TANC2	ENSG00000170921.15	5.534830834	4.637951544	4.164308243
TWNK	ENSG00000107815.7	6.555010445	4.351329708	4.52804016
CACNB3	ENSG00000167535.7	4.509826153	4.141490063	3.905990394
TULP4	ENSG00000130338.12	4.494285478	4.739866262	4.735640242
GOLGA1	ENSG00000136935.13	4.290122876	4.803943296	3.691305119
PHF10	ENSG00000130024.14	5.865964987	4.691840641	4.238445722
DCAKD	ENSG00000172992.11	4.397939213	5.002010917	4.912080717
ACD	ENSG00000102977.13	5.173476365	3.822064601	4.931577479
SMG6	ENSG00000070366.13	4.368778115	3.722064426	4.345071167
PROS1	ENSG00000184500.14	3.858839602	7.59089362	5.076869176
ARHGAP18	ENSG00000146376.10	4.435396583	3.732223458	3.907502855
PCGF3	ENSG00000185619.18	4.963267884	3.8177688	6.677292547
CCDC94	ENSG00000105248.15	5.00446135	4.325567756	4.237573808
NDC80	ENSG00000080986.12	5.706589091	4.827050301	3.803591995
RMI2	ENSG00000175643.8	5.199462714	4.280842307	3.790443296
BRD1	ENSG00000100425.18	3.794979832	3.910490409	4.179244916
STAG3L4	ENSG00000106610.14	3.785478055	4.640587118	4.519231354
ATG4C	ENSG00000125703.14	4.124874956	3.939411287	3.731437365
MARCH5	ENSG00000198060.9	4.970428287	4.166084704	4.711718836
AC100810.1	ENSG00000253982.1	3.951230992	3.842944134	4.405541775
NUP188	ENSG00000095319.14	6.602179171	5.947493564	3.753049647
ERP44	ENSG00000023318.7	5.276284901	6.225320542	3.692606069
TNIK	ENSG00000154310.16	4.164049496	5.388173106	5.71101615
LNPK	ENSG00000144320.13	3.690093246	5.446325738	4.742389627
ABCC4	ENSG00000125257.13	4.999015023	4.588341697	4.293173181
PLEKHM1	ENSG00000225190.10	4.004280836	4.876279365	5.048916085
PIAS4	ENSG00000105229.6	4.410307678	4.19929458	4.167393135

EIF4E	ENSG00000151247.12	4.755562966	4.100892776	3.746650056
CTNNAL1	ENSG00000119326.14	6.763929861	5.128920312	3.874250128
ANGEL2	ENSG00000174606.13	5.742745461	3.739521049	5.252534984
PPHLN1	ENSG00000134283.17	6.148822271	6.116551117	3.873447274
AC003002.1	ENSG00000256060.2	4.765068774	3.770283385	4.281689938
LINC02001	ENSG00000267321.2	4.088991998	4.222004817	4.15530888
ZKSCAN1	ENSG00000106261.16	5.107848573	4.814537269	5.174433832
CDC42BPB	ENSG00000198752.10	5.256599111	5.474783277	3.703529667
SLC35A2	ENSG00000102100.15	5.485006856	5.054601646	3.67615938
ZMAT3	ENSG00000172667.10	3.681756889	5.978872297	7.145846525
MIR1244-2	ENSG00000283498.1	5.754516798	4.983121654	3.974443636
AP5B1	ENSG00000254470.2	4.63789114	4.702847544	4.314922898
KCTD20	ENSG00000112078.13	4.383026287	5.450549943	6.928110654
SLC9A3R1	ENSG00000109062.11	4.666136844	4.219396577	4.621785503
RIPK4	ENSG00000183421.11	5.142095027	6.861948259	3.746081309
SIAH2	ENSG00000181788.3	5.308837987	4.357004979	4.318049221
TSPAN17	ENSG00000048140.17	3.948398223	5.125033595	4.769875996
SMC5	ENSG00000198887.8	5.745296532	4.814640995	3.662694389
FAM173B	ENSG00000150756.13	3.714775246	4.440247581	4.524146667
XRN1	ENSG00000114127.10	4.443694558	4.103813277	4.471506014
C2CD3	ENSG00000168014.16	4.840789572	5.116709117	4.528103231
VHL	ENSG00000134086.7	4.989588354	4.440048097	4.224024605
MAPK14	ENSG00000112062.10	4.691375634	4.529036871	5.266032977
ZNF131	ENSG00000172262.11	4.711713696	3.812565068	4.277426576
COQ3	ENSG00000132423.11	4.946161511	4.006821304	3.858181805
FBXO45	ENSG00000174013.7	4.335962313	3.926486165	3.773222976
LINC00667	ENSG00000263753.6	4.53173607	5.384539353	3.955195026
ETHE1	ENSG00000105755.7	6.521850803	4.780526647	5.35398443
WDR6	ENSG00000178252.17	4.769312371	4.237206762	4.104936069
TFB1M	ENSG00000029639.10	6.091736	3.812416494	4.007197697
MOB2	ENSG00000182208.13	4.395413508	4.822465866	4.830384589
THADA	ENSG00000115970.18	5.416153283	4.780551905	3.76786872
ABHD6	ENSG00000163686.14	4.558902491	5.195975942	3.743199578
TMEM186	ENSG00000184857.7	5.069298013	4.262679427	3.948894473
UPF2	ENSG00000151461.19	4.524506163	4.185665237	4.579557065
IGHMBP2	ENSG00000132740.8	4.578754963	4.17263665	4.468196928
MCC	ENSG00000171444.17	3.653306408	3.926469895	6.038245948
HEATR1	ENSG00000119285.10	7.069635395	4.898268872	4.871846894
ATP6V0A2	ENSG00000185344.13	4.24505074	4.083274213	4.379411339
LRIF1	ENSG00000121931.15	3.76396182	4.881734804	4.771165945
IFT80	ENSG00000068885.14	4.50365652	4.779081851	4.499244426
AC006504.5	ENSG00000267575.6	4.273260542	4.503948933	4.312362088
TRNAU1AP	ENSG00000180098.9	4.516254612	3.819024391	4.223375237
BCAT2	ENSG00000105552.14	5.838289001	5.701995251	4.734733377
LACTB	ENSG00000103642.11	3.777114918	5.543062051	5.341786626
AQR	ENSG00000021776.10	4.942134009	4.620918673	4.020071946

UBR7	ENSG00000012963.14	5.408382682	4.117653707	3.70576794
FAAP20	ENSG00000162585.16	5.796552555	5.991307898	6.454439157
MTERF4	ENSG00000122085.16	4.316325467	4.642256856	4.13414566
NEDD4	ENSG00000069869.15	4.865545556	3.703964625	5.010074859
PLA2G4A	ENSG00000116711.9	4.174830517	5.113325066	4.138820134
SMARCA1	ENSG00000102038.15	5.290337381	5.816841093	6.095786851
DPCD	ENSG00000166171.12	5.420036758	3.939061471	4.185355861
ANKRD13C	ENSG00000118454.12	4.378474432	3.671690225	4.155617852
GALK1	ENSG00000108479.11	4.232938063	4.908131058	3.755197285
KATNAL1	ENSG00000102781.13	3.74895834	4.086418267	3.828776506
UBR3	ENSG00000144357.16	3.686892861	4.401829633	4.727885804
GANC	ENSG00000214013.9	4.365193959	4.719054285	4.621121415
GNPDA2	ENSG00000163281.11	4.500508973	3.793004433	5.512598194
MLLT10	ENSG00000078403.16	4.837168543	4.41709496	4.68029545
COG8	ENSG00000213380.14	4.538849271	4.203822843	4.198350987
MT-TK	ENSG00000210156.1	4.228104552	5.883807254	3.995278876
RNF41	ENSG00000181852.17	6.043005813	4.206692253	3.752607261
UBE2K	ENSG00000078140.13	6.60764779	4.161187693	7.185972207
HEATR3	ENSG00000155393.12	5.038911626	3.657212274	3.765683065
RAPH1	ENSG00000173166.17	4.079943974	4.637048808	3.693150953
NUF2	ENSG00000143228.12	6.679395215	4.919895655	3.657876243
RSU1	ENSG00000148484.17	4.459221463	4.359814579	4.984217611
RAPGEF6	ENSG00000158987.20	4.175268346	3.636144882	4.215891796
NEDD9	ENSG00000111859.16	4.040822767	5.494788704	4.341384988
AC026401.3	ENSG00000280206.1	5.16316086	3.727745148	6.553788567
TMEM192	ENSG00000170088.13	3.754313722	4.33534378	4.616822277
BRD3	ENSG00000169925.16	5.075725796	4.67620626	4.35942573
SNAPC3	ENSG00000164975.15	5.083925372	4.242789896	3.942564036
CENPS	ENSG00000175279.21	5.377632171	4.517600966	3.976991006
PCNT	ENSG00000160299.16	4.465673867	4.115626353	3.757954445
RIOX1	ENSG00000170468.7	4.293605918	4.48590684	3.890991047
ST3GAL6	ENSG00000064225.12	3.830711895	7.219487201	8.660004591
SLC50A1	ENSG00000169241.17	6.210495302	6.122610824	3.847128387
HDAC5	ENSG00000108840.15	5.119312308	4.626117535	5.971421294
SPRYD7	ENSG00000123178.14	3.931038867	3.917809478	3.778028505
TRAPPC13	ENSG00000113597.17	4.485254361	4.415928172	3.728986729
VTA1	ENSG00000009844.15	4.830568878	4.546228662	4.118502036
TMEM189	ENSG00000240849.10	5.714831206	3.866652765	4.793943111
STK35	ENSG00000125834.12	4.458851087	4.509828408	3.673087965
DYRK1A	ENSG00000157540.19	4.126091645	4.365856695	4.593062597
ECSIT	ENSG00000130159.13	5.789474091	4.631166492	5.034282651
RBM45	ENSG00000155636.14	4.24621899	4.322040739	4.347400429
MRM3	ENSG00000171861.10	5.167494592	3.988027252	3.714938479
CDH2	ENSG00000170558.8	6.6001596	4.387443214	3.656862566
SNHG4	ENSG00000281398.2	6.188474968	4.568000734	6.877546762
FNBP1	ENSG00000187239.16	4.670304524	5.123284311	3.735699449

FAM200B	ENSG00000237765.6	4.754102125	3.885938508	6.286029344
TAZ	ENSG00000102125.15	4.236012675	5.145915583	4.469044117
SHOC2	ENSG00000108061.11	4.938205175	4.267581451	5.07358707
MVK	ENSG00000110921.13	4.282347069	4.031333735	3.674632756
EMC10	ENSG00000161671.16	3.82129165	5.332899494	5.21704978
TTF2	ENSG00000116830.11	4.306577315	4.159129621	3.676680176
FOXP4	ENSG00000137166.14	4.582187675	4.295516534	4.550533915
RPS6KA3	ENSG00000177189.12	6.59406802	4.795872264	6.94614766
CCDC22	ENSG00000101997.12	4.399877094	4.352871212	4.25973193
PEX14	ENSG00000142655.12	4.794095929	4.985052185	4.690464753
RAD51AP1	ENSG00000111247.14	5.014536376	4.09932179	5.089349658
CCDC25	ENSG00000147419.17	5.077746486	4.403510503	4.003875278
ZFYVE1	ENSG00000165861.13	3.684805333	3.995663057	4.589373421
CCDC71	ENSG00000177352.9	5.552361452	4.923360817	3.73476504
CCDC115	ENSG00000136710.9	3.919691738	5.780564138	5.204330613
IDE	ENSG00000119912.15	5.650018502	3.856108917	4.806549713
MFSD14C	ENSG00000196312.12	3.789972413	5.515598853	3.81138849
GCLC	ENSG00000001084.10	4.906347822	4.117584318	4.643327442
VPS13D	ENSG00000048707.13	4.032620091	4.439131394	5.059681611
DZIP3	ENSG00000198919.12	3.808425816	4.394421935	4.623483152
TLK1	ENSG00000198586.13	3.664081955	5.246055514	5.590633563
IER3IP1	ENSG00000134049.5	4.525660693	4.603104573	4.911202366
MIGA2	ENSG00000148343.18	4.40045726	4.898190431	3.884242479
PILRB	ENSG00000121716.20	3.91256239	4.382843857	6.121692194
PECR	ENSG00000115425.13	3.640002128	5.113489396	5.773379637
ZNF721	ENSG00000182903.15	4.648398174	3.749684956	4.953538662
PEX10	ENSG00000157911.9	4.239711558	5.000603648	4.372860141
ZSWIM1	ENSG00000168612.4	4.089787201	3.820610591	4.163513004
SLC39A8	ENSG00000138821.12	4.62530505	4.719122626	6.781988957
ODF2L	ENSG00000122417.15	4.822726043	5.141612051	3.665272009
PAFAH2	ENSG00000158006.13	3.918889411	4.877751555	4.11580099
GABBR1	ENSG00000204681.10	3.763579681	5.260148057	5.9395353
PIGA	ENSG00000165195.15	4.707141787	4.19549373	4.801582095
PPM1A	ENSG00000100614.17	4.347049847	4.204677549	4.849328339
BUD13	ENSG00000137656.11	5.240186041	3.746045394	3.872298801
CLOCK	ENSG00000134852.14	4.457830378	3.806760833	4.910947135
SIK3	ENSG00000160584.15	4.773750837	4.096412742	4.304787296
TXLNG	ENSG00000086712.12	5.589802889	3.674052304	4.035309592
MAU2	ENSG00000129933.20	5.557081267	4.636360523	4.312972596
TMEM35B	ENSG00000243749.1	4.047999409	4.986603377	3.741458006
C10orf90	ENSG00000154493.17	5.42976916	5.915364911	6.939408127
TRNP1	ENSG00000253368.3	6.136994098	4.741177375	4.760864173
NCOA3	ENSG00000124151.18	4.524290327	4.569695465	4.445107093
MEX3C	ENSG00000176624.10	5.67740275	6.510901743	6.912007721
SFMBT1	ENSG00000163935.13	3.95719632	4.148130497	4.562454832
ZHX3	ENSG00000174306.21	4.518811975	3.73293536	5.784584313

BDH1	ENSG00000161267.11	4.206771219	4.410949861	4.246476778
HDGFL3	ENSG00000166503.8	3.961844836	3.675402302	4.239159423
NPHP3	ENSG00000113971.19	4.007858779	4.480920376	3.752730286
FAM219A	ENSG00000164970.14	4.513885787	4.662588709	4.378940499
EDEM3	ENSG00000116406.18	4.889209051	4.806031529	3.970303376
APOBEC3B	ENSG00000179750.15	4.961302963	3.638313901	3.701687402
APOPT1	ENSG00000256053.7	4.454726081	4.793164851	3.755679987
GEMIN4	ENSG00000179409.10	5.180850517	3.991862361	3.86784901
SLC25A23	ENSG00000125648.14	3.824005836	5.785195731	6.121819386
TMUB2	ENSG00000168591.15	3.727295254	4.252855637	4.290041298
TCAIM	ENSG00000179152.19	4.912065161	4.585888071	4.728974944
BAIAP2L1	ENSG00000006453.13	4.877270596	6.09237068	5.461323339
UBAP1	ENSG00000165006.13	5.562722343	4.637087765	4.309853044
PUS3	ENSG00000110060.8	5.290115456	4.288994568	4.301302637
CAV2	ENSG00000105971.14	3.759830434	4.670931237	4.819556118
DNASE1L1	ENSG00000013563.13	4.667144742	4.715619048	4.200895408
PHC3	ENSG00000173889.15	3.696186211	4.718061867	4.371291314
IFFO2	ENSG00000169991.10	4.343907031	4.841203702	3.684974633
RFK	ENSG00000135002.11	5.642549912	5.492940247	3.663953702
CLCC1	ENSG00000121940.15	4.392736753	3.847751881	3.998167886
THOC6	ENSG00000131652.13	5.680831155	4.014663783	3.893480349
ING3	ENSG00000071243.15	4.696203471	3.938754067	4.079132755
CEP170	ENSG00000143702.15	5.205763231	4.282427868	3.708445922
PTCD1	ENSG00000106246.17	4.10281563	4.427116164	3.751340476
ITFG2	ENSG00000111203.11	4.467768495	3.994182856	5.492904268
ALG13	ENSG00000101901.11	5.011195889	4.660958441	5.103250587
EIF2AK3	ENSG00000172071.11	3.636795864	4.848486945	3.847358948
ZADH2	ENSG00000180011.6	4.381809037	4.407733541	5.400550935
MEGF9	ENSG00000106780.8	4.133874913	4.860357243	4.074587201
FKBP15	ENSG00000119321.8	4.463798848	5.136670086	3.803866249
MSL2	ENSG00000174579.3	4.725878715	4.136850732	4.322473891
ZNF212	ENSG00000170260.8	4.000769488	4.177763436	3.694471034
DNAJC30	ENSG00000176410.7	4.019043183	5.198854699	3.64066701
GOPC	ENSG00000047932.13	4.643502988	4.354302185	4.110851754
TTI2	ENSG00000129696.12	4.624128135	4.219026828	3.646130252
SLC25A15	ENSG00000102743.14	5.720482524	4.678880576	3.664570666
ADAL	ENSG00000168803.14	4.286250911	4.176949092	4.440847068
GPATCH3	ENSG00000198746.12	4.443637034	3.986474925	3.720270465
HINT3	ENSG00000111911.6	3.943136308	4.075019608	4.417433121
LIG4	ENSG00000174405.13	4.608440641	4.113717094	4.134844645
MAP3K7	ENSG00000135341.17	5.035110894	4.601929965	3.824593543
MFAP3	ENSG00000037749.11	5.075345979	4.411882583	4.791267509
XPNPEP3	ENSG00000196236.12	4.177253943	4.885428828	4.159519405
KIAA1524	ENSG00000163507.13	5.537915576	4.58854897	3.813327723
LRR8A	ENSG00000136802.11	5.870825857	6.739075959	3.608956765
AFDN	ENSG00000130396.20	3.72341831	4.732103034	5.650438742

SPIRE1	ENSG00000134278.15	3.653993898	5.794556103	7.350431607
MED16	ENSG00000175221.14	5.124517412	4.50706095	4.665780131
SPC24	ENSG00000161888.11	5.631689067	3.774088068	4.018081502
BORCS8	ENSG00000254901.7	4.905781853	5.325130628	3.657830986
EBPL	ENSG00000123179.13	5.654311683	4.352036315	3.78182374
SSNA1	ENSG00000176101.11	5.771841697	5.308900645	4.12222465
RBM15	ENSG00000162775.14	4.310769827	3.733150799	3.664606118
TBC1D13	ENSG00000107021.15	5.312289177	5.506495362	3.586665798
SLC25A33	ENSG00000171612.6	3.950047274	4.069726304	4.44662141
ATG16L1	ENSG00000085978.21	4.707469999	4.358440946	3.949379514
LGALS8	ENSG00000116977.18	5.81018831	5.167926783	5.570811138
IFT88	ENSG00000032742.17	4.276839825	3.663962337	4.178495179
MID1IP1	ENSG00000165175.15	4.923341692	4.068855042	6.693612099
DTL	ENSG00000143476.17	5.678036957	3.59607563	4.084208192
RPP40	ENSG00000124787.13	4.493327484	4.017342269	4.261720628
PIK3C3	ENSG00000078142.12	4.668568718	5.046135525	4.236890576
HMGB3	ENSG00000029993.14	6.109194112	5.717324785	3.951887037
ATG5	ENSG00000057663.14	4.219063848	4.212387625	4.211320476
AC092718.4	ENSG00000261061.1	4.847916462	3.798587937	3.824637189
GIT2	ENSG00000139436.20	5.215886137	5.55583915	3.842081945
SH3TC1	ENSG00000125089.16	4.343307898	5.380641434	7.376897469
ZNF608	ENSG00000168916.15	4.297082385	4.21650236	5.236221769
BTD	ENSG00000169814.12	4.487566611	5.169705559	3.822061853
ZSCAN21	ENSG00000166529.14	3.746854236	4.07121297	3.888287782
LIMK2	ENSG00000182541.17	3.698942124	5.208828552	5.09909978
ZER1	ENSG00000160445.10	4.975443839	5.110683819	4.026600977
LPIN2	ENSG00000101577.9	4.533078148	4.765497964	4.654018923
VIPAS39	ENSG00000151445.15	4.623043029	3.820547059	4.122584629
SLC43A1	ENSG00000149150.8	4.312527946	3.847247901	3.891831438
KIZ	ENSG00000088970.15	3.929196219	3.720644496	4.336587374
LMO7	ENSG00000136153.19	3.661533705	4.105565072	4.990382391
NACC2	ENSG00000148411.7	4.87754723	6.073002731	5.829060626
RANGRF	ENSG00000108961.13	5.687897123	3.874101994	5.385208547
CCNYL1	ENSG00000163249.11	4.431759766	5.245735673	4.364432931
UBXN11	ENSG00000158062.20	4.013236649	4.876060294	3.861752092
KIAA1468	ENSG00000134444.13	4.178487499	4.903772947	4.096208948
HSPA14	ENSG00000187522.14	5.562263743	4.531486559	3.843076029
PRKAR2A	ENSG00000114302.15	5.99630415	5.438875848	5.299927759
DPYSL2	ENSG00000092964.17	6.021753635	4.914403185	3.755615518
ANKRD52	ENSG00000139645.9	6.403723076	5.440844923	3.995693317
GABARAPL1	ENSG00000139112.10	3.859810313	5.680200681	7.202899345
CENPQ	ENSG00000031691.6	4.600088448	3.701138636	3.658296877
KIF16B	ENSG00000089177.18	3.973386975	4.776658472	3.82689608
CKAP2L	ENSG00000169607.12	5.277834633	3.832020619	3.707566844
OIP5-AS1	ENSG00000247556.6	4.460132623	5.55364015	5.201540509
NEDD1	ENSG00000139350.11	5.670448205	4.670889762	3.691123372

ST7L	ENSG00000007341.18	4.477361463	3.720375421	3.746645909
WDHD1	ENSG00000198554.11	3.666620504	3.674991634	3.728439451
CDON	ENSG00000064309.14	5.00701749	3.6940787	4.162360461
IPO4	ENSG00000196497.16	6.01941284	4.346087127	4.290261252
USP13	ENSG00000058056.8	3.734754632	3.570936355	4.64197938
LRP12	ENSG00000147650.11	4.333920233	4.680773631	5.87438246
FRG1HP	ENSG00000276291.5	5.334086801	4.140060329	4.431813673
FAM160A2	ENSG00000051009.10	3.996328908	5.444740676	4.839733122
AC018638.5	ENSG00000243679.1	3.640981229	5.15275093	4.746782614
WDR70	ENSG00000082068.8	5.172141328	4.364693389	3.852874904
SUGT1	ENSG00000165416.14	4.89422602	4.053000022	3.580915262
ZNF621	ENSG00000172888.11	4.708479682	5.280087547	5.288093461
POP1	ENSG00000104356.10	5.12989303	5.037337654	3.626150763
MBIP	ENSG00000151332.18	3.992795502	3.871792541	4.144167492
TMEM68	ENSG00000167904.14	4.528921367	4.494625168	4.852295661
SLC39A11	ENSG00000133195.11	4.162875686	4.849457773	6.085970625
ZBTB48	ENSG00000204859.12	4.350736245	4.285043712	4.325815259
EBLN3P	ENSG00000281649.1	5.536719937	5.500606064	4.616136717
ZNF143	ENSG00000166478.9	4.608927087	3.599224658	3.5831248
DCAF5	ENSG00000139990.17	4.184037354	4.227016199	4.438034802
ADGRL1	ENSG00000072071.16	5.730986481	4.679074458	4.487058835
SNX25	ENSG00000109762.15	4.774297315	3.777128259	5.50068772
INO80	ENSG00000128908.15	4.720265762	4.683245159	4.154040884
QPCTL	ENSG00000011478.11	4.671818574	5.249363423	3.777459378
WDR4	ENSG00000160193.11	4.676403109	4.223213321	3.68674228
ATMIN	ENSG00000166454.9	5.427710727	5.110269552	4.971798129
ZGPAT	ENSG00000197114.11	4.863428601	3.763558635	4.745226083
WDR60	ENSG00000126870.15	3.625483065	4.056089367	4.99804316
TFAP2A	ENSG00000137203.10	3.696850206	7.164528056	6.687067379
ATF5	ENSG00000169136.10	4.602714207	4.417373077	4.649856512
HECTD4	ENSG00000173064.12	4.082746731	4.579807965	3.692671928
INPP4A	ENSG00000040933.15	3.757266756	4.28263112	4.254787588
IMPA2	ENSG00000141401.11	5.101908226	5.923097622	3.762242123
PLEKHJ1	ENSG00000104886.11	3.736104001	4.396924319	3.993753979
GPSM1	ENSG00000160360.12	5.75383664	5.53569937	5.600984965
PIGN	ENSG00000197563.10	3.643842092	5.051306776	4.455534673
RNF157	ENSG00000141576.14	4.947089691	3.620197411	5.766902969
UBALD1	ENSG00000153443.12	5.701542528	4.892430545	4.918916507
RTN4IP1	ENSG00000130347.12	3.686426875	3.677730962	3.976444754
RNF168	ENSG00000163961.4	3.968778573	3.828981818	3.607929595
KIAA1549L	ENSG00000110427.14	5.522751402	6.285868139	3.626625601
RUBCN	ENSG00000145016.15	3.826017442	4.707998933	4.486717978
BLOC1S4	ENSG00000186222.4	4.888179553	3.828495577	5.327997861
CRLF3	ENSG00000176390.11	5.000413001	4.446769617	4.579623789
WBP4	ENSG00000120688.8	4.597437413	3.585298134	4.427726259
PHLDA3	ENSG00000174307.6	5.787250266	6.679015584	6.535193772

MNAT1	ENSG00000020426.10	4.545292635	3.619623352	4.142007594
DLX1	ENSG00000144355.14	4.494898673	4.007492673	6.36595637
HERC4	ENSG00000148634.15	4.42086223	4.732682964	4.968718716
SLC7A6	ENSG00000103064.13	4.660816936	4.403748182	4.985787653
TPCN1	ENSG00000186815.12	4.490912264	5.705337185	3.642406343
NR2C1	ENSG00000120798.16	4.685394646	4.455420657	3.615472166
RARS2	ENSG00000146282.17	5.525885711	5.037198206	4.436984921
FCHSD1	ENSG00000197948.10	3.632063578	4.807613573	5.603977101
SMAP1	ENSG00000112305.14	4.745730825	3.865931196	4.741142762
TUBGCP4	ENSG00000137822.12	4.927463787	4.469618089	4.156674881
KLHL9	ENSG00000198642.6	5.45738139	4.418808198	4.374836066
UFL1	ENSG00000014123.9	4.0057668	4.335119921	4.320095155
LRFN3	ENSG00000126243.8	4.360802092	5.485615014	4.602696538
RAB17	ENSG00000124839.12	4.041508647	6.503646944	6.031032769
SGPL1	ENSG00000166224.16	4.388069115	4.424178614	4.445658535
TANGO6	ENSG00000103047.7	3.608376542	4.335966689	3.868683403
MDM2	ENSG00000135679.22	6.07377611	7.174625214	6.752684243
GLCE	ENSG00000138604.9	5.091712633	4.533948456	6.156008895
CNST	ENSG00000162852.13	5.553116982	3.605876262	5.454640359
SLC25A10	ENSG00000183048.11	5.495223697	4.044803009	3.806261393
BAZ2B	ENSG00000123636.17	3.953287184	5.3223033	5.537244819
FBXL19	ENSG00000099364.16	5.611279423	4.546188591	4.134558323
HLCS	ENSG00000159267.14	3.906290504	4.382004753	4.782949881
UHRF1BP1L	ENSG00000111647.12	4.88045814	3.951700546	3.710798439
BBS2	ENSG00000125124.11	5.370854154	4.319919629	5.947174758
KAT6A	ENSG00000083168.9	4.796400636	4.327575645	5.092458631
POLR3A	ENSG00000148606.12	5.072378314	3.907009792	4.154368621
ZSCAN25	ENSG00000197037.10	4.018231109	4.413139659	3.563430312
PIGF	ENSG00000151665.12	4.894503625	4.683582893	3.656135348
MAP2K4	ENSG00000065559.14	4.692328228	3.79127795	5.047660495
PPP1R3D	ENSG00000132825.6	3.533904124	3.854894516	4.966969246
TMCO4	ENSG00000162542.13	4.056985103	4.397923021	4.419850723
CD68	ENSG00000129226.13	3.574143828	5.195549367	4.240480583
TMEM161B	ENSG00000164180.13	4.314748271	3.863964269	5.07540174
SRBD1	ENSG00000068784.12	4.657974687	4.533527383	3.53295844
TSEN15	ENSG00000198860.11	5.087540653	4.187568841	4.712934195
TUBGCP5	ENSG00000275835.4	4.586276859	4.463934294	3.65325134
APBA3	ENSG00000011132.11	4.059903236	3.845246768	3.969360349
AHSA2	ENSG00000173209.22	3.996019973	4.524374867	4.572586301
SSH3	ENSG00000172830.12	4.034765072	3.941896408	4.788649763
ARID1B	ENSG00000049618.22	4.586232133	4.63883808	4.74747619
CORO7	ENSG00000262246.5	4.578164372	4.599024799	4.639066515
ANKRD50	ENSG00000151458.11	5.813936564	3.664058379	3.883006536
IFNGR1	ENSG00000027697.13	4.371883963	5.509402139	5.087648325
RCCD1	ENSG00000166965.12	3.924195625	3.962042795	3.52758268
RNF166	ENSG00000158717.10	4.828910969	4.087131291	4.535837848

MLF1	ENSG00000178053.17	4.326007309	4.387854296	4.231766025
ATG2A	ENSG00000110046.12	4.628809115	5.03351897	4.460495148
PPOX	ENSG00000143224.17	4.664270854	4.670716414	4.361678913
YBX1P1	ENSG00000224861.1	4.769870514	4.089859761	3.629501473
PDK2	ENSG00000005882.11	4.147291609	4.579904445	4.836102788
TOPORS	ENSG00000197579.7	5.346895208	4.139228306	3.672528486
DNAJC24	ENSG00000170946.14	4.557283046	4.828187771	4.650341519
HMOX1	ENSG00000100292.16	4.596090446	6.765992797	5.043436663
CMC1	ENSG00000187118.12	4.54614876	4.658453144	4.437609638
GPR180	ENSG00000152749.7	3.55827916	3.985626086	3.60430757
WDR53	ENSG00000185798.7	3.649135319	4.22085488	3.743555996
DDX31	ENSG00000125485.17	5.480841651	5.282246956	3.603741347
ELK4	ENSG00000158711.13	5.22171996	3.579960369	4.409029574
ALDH4A1	ENSG00000159423.16	3.701677711	4.126256053	5.056984675
DEDD	ENSG00000158796.16	5.424511348	5.34558598	4.530573383
MYPOP	ENSG00000176182.5	4.599841386	3.59310564	3.708100242
ERICH1	ENSG00000104714.13	3.772447909	4.151675055	4.210203465
CCDC6	ENSG00000108091.10	5.185097378	4.457891125	4.619871361
LIN54	ENSG00000189308.10	3.895485343	3.661348218	4.041465047
AC007388.1	ENSG00000231312.6	3.605221148	4.86368923	5.590899771
PEAK1	ENSG00000173517.10	3.897609372	4.5365158	5.138287202
USP54	ENSG00000166348.18	3.707064265	4.735399364	5.391587693
ZBTB2	ENSG00000181472.4	4.228601745	3.960137888	3.722662475
TDRD7	ENSG00000196116.7	3.533135423	7.019707867	4.839653805
STK3	ENSG00000104375.15	4.670887541	3.553440274	4.899175298
RSRP1	ENSG00000117616.17	4.068606571	3.902461674	4.485342044
MON1A	ENSG00000164077.13	4.615126405	4.079093987	3.657006097
BAG5	ENSG00000166170.9	4.978471247	4.907591252	3.528054731
HDAC4	ENSG00000068024.16	4.018354431	5.377574564	5.48820196
ARHGEF18	ENSG00000104880.17	4.487383103	4.7488575	4.43068811
FAF1	ENSG00000185104.19	5.316665544	4.409893819	4.527520377
WASH6P	ENSG00000182484.15	4.196133489	4.000992996	4.917378076
DYRK3	ENSG00000143479.15	5.01494352	4.568424104	3.710048079
TONSL	ENSG00000160949.16	4.91292529	3.656864116	3.732838376
CENPI	ENSG00000102384.13	3.897008211	4.66205219	3.621016289
YARS2	ENSG00000139131.12	5.433317806	4.866137306	3.800943397
E4F1	ENSG00000167967.15	4.15396016	3.810835694	3.678208861
WDR76	ENSG00000092470.11	4.809890165	3.619577845	4.386442174
GDAP2	ENSG00000196505.10	4.605700722	3.990692952	4.02585322
ASCC1	ENSG00000138303.17	4.357932604	4.096614539	5.325723274
TGDS	ENSG00000088451.10	5.338964551	4.892626538	4.188070638
CEP350	ENSG00000135837.15	4.926216318	4.615579471	4.364693755
AVEN	ENSG00000169857.7	3.798934327	3.897159736	3.736599759
MOSPD1	ENSG00000101928.12	3.743374709	5.170637896	5.334548704
KATNA1	ENSG00000186625.13	4.600783086	3.94656543	4.221970496
ASF1B	ENSG00000105011.8	6.487723018	5.181230226	3.538787021

SNORA67	ENSG00000277985.1	4.719756822	3.930849138	4.675073769
FOXJ2	ENSG00000065970.8	4.418032149	3.822022772	4.818519894
POMZP3	ENSG00000146707.14	4.978698653	4.824073785	4.47527804
PATZ1	ENSG00000100105.17	5.328213052	4.061586652	5.246322151
MARS2	ENSG00000247626.4	4.216563933	4.772063086	4.000786379
ADK	ENSG00000156110.13	5.065953353	4.046754841	3.83379852
KCTD18	ENSG00000155729.12	3.561783984	4.215981251	4.23530203
CTDSPL2	ENSG00000137770.13	5.112592329	4.039199837	4.009142768
DCUN1D4	ENSG00000109184.14	5.057438415	4.771246594	4.588920995
NUTM2B-AS1	ENSG00000225484.6	5.166216584	4.03212675	4.359904298
FAM35A	ENSG00000122376.11	5.272133178	3.971313053	4.17210644
KIF3A	ENSG00000131437.15	4.386486565	3.549284494	5.193752356
FAM214B	ENSG00000005238.19	4.746203935	4.637845554	4.128798188
FOXN3	ENSG00000053254.15	4.350446812	3.57266159	4.116296533
NUDCD1	ENSG00000120526.10	5.381053412	4.522387612	3.706716178
TMEM175	ENSG00000127419.16	4.372722642	3.592791406	6.137881341
SNAPC1	ENSG00000023608.4	5.107015401	4.820530039	3.515692232
PARG	ENSG00000227345.8	4.661074869	3.903246113	4.102431212
RCHY1	ENSG00000163743.13	4.0421259	4.248637345	3.85536255
CRELD1	ENSG00000163703.17	3.626538998	4.356944617	4.617877683
ZNF362	ENSG00000160094.14	4.716957336	4.156522282	3.577067381
TMEM135	ENSG00000166575.16	4.91011354	3.626240285	4.377034493
BLOC1S6	ENSG00000104164.10	5.952973287	6.084405857	5.803243465
COQ7	ENSG00000167186.10	4.316744422	3.659414078	4.704023474
PDS5B	ENSG00000083642.18	4.987769641	4.301607341	3.503209226
CDCA3	ENSG00000111665.11	5.661764044	4.408326464	3.665783169
RICTOR	ENSG00000164327.12	4.253015773	4.447476774	3.958632848
ILF3-AS1	ENSG00000267100.1	4.974701583	5.103980322	4.164911442
KLF10	ENSG00000155090.14	5.058415659	3.511713102	4.962415601
CBWD2	ENSG00000136682.14	4.238001161	4.153722645	3.564157551
ETAA1	ENSG00000143971.7	4.519774185	4.575492285	3.526728616
CEP120	ENSG00000168944.15	4.396140769	3.57227282	3.707059324
PDE4DIP	ENSG00000178104.19	3.542978143	5.088213264	4.487243257
ZDHHC13	ENSG00000177054.13	3.846129985	4.398134887	4.248337084
MED7	ENSG00000155868.7	3.793950788	3.917361986	4.05886107
PLA2G12A	ENSG00000123739.10	3.866474909	3.490830658	5.422441106
PLXNB3	ENSG00000198753.11	5.048661238	5.90595263	4.760486196
RNF113A	ENSG00000125352.5	4.900914639	5.254227992	4.908505658
BTBD3	ENSG00000132640.14	6.567733014	5.88083011	4.57159962
FKBP11	ENSG00000134285.10	5.467773997	5.364945892	3.725215146
PRKAB2	ENSG00000131791.7	3.998342231	4.463822145	3.796016105
TRIM13	ENSG00000204977.9	5.188125833	3.834618469	4.474781668
TMEM104	ENSG00000109066.13	3.784582038	4.714657562	3.881270766
AC068152.1	ENSG00000262879.5	4.330479163	4.369148081	4.481433856
NME6	ENSG00000172113.8	4.514186998	4.678862825	4.451223682
SNHG9	ENSG00000255198.4	4.649847208	4.383111714	3.753107124

USPL1	ENSG00000132952.11	4.081838888	3.666923063	3.557875579
TRMT2B	ENSG00000188917.14	3.627077374	3.8737386	5.091100006
ANKH	ENSG00000154122.12	6.925523376	5.583440171	7.305927441
DAB2IP	ENSG00000136848.16	4.659319203	5.604409739	6.271861377
MIB2	ENSG00000197530.12	4.674951052	5.481360645	5.453214048
FAM173A	ENSG00000103254.9	5.036958244	3.725311117	4.292676694
ZNF32	ENSG00000169740.13	5.000052961	3.533323867	4.396545997
POLR2J4	ENSG00000272655.2	4.158129773	3.785069483	3.742394857
PGAP2	ENSG00000148985.19	3.930486225	5.250545378	4.866172993
CDCA7	ENSG00000144354.13	4.240517711	4.769608271	3.780203601
TMEM134	ENSG00000172663.8	3.957914208	3.810699061	4.065078373
ARHGAP35	ENSG00000160007.18	5.767023629	4.566589177	5.292425826
PLSCR3	ENSG00000187838.16	4.894354233	4.0593169	4.157385651
ABCB10	ENSG00000135776.4	5.401577671	3.550305493	3.914100401
DHRS7B	ENSG00000109016.17	4.140346731	3.507438164	4.43502414
MARCH2	ENSG00000099785.10	3.570859962	4.905540291	4.68385851
NR4A1	ENSG00000123358.19	6.273060524	6.571347156	4.703124949
CCDC137	ENSG00000185298.12	5.967654356	4.538694835	4.459331007
MROH1	ENSG00000179832.17	3.500884859	4.692172974	4.692113382
KIF18A	ENSG00000121621.6	4.541250358	3.690199284	4.460268241
FAM111A	ENSG00000166801.15	3.897351371	3.761552757	4.202533431
MPZL1	ENSG00000197965.11	4.513625365	6.319407068	3.637711702
ALKBH4	ENSG00000160993.3	4.412941256	4.590055697	3.713791329
ZNF827	ENSG00000151612.15	4.461271565	3.959801429	5.077654808
NAA16	ENSG00000172766.18	4.925084627	3.801091871	3.861667006
KIAA0391	ENSG00000100890.15	3.971280038	4.140318472	4.09917476
CENPJ	ENSG00000151849.14	4.884451827	4.009114234	3.592980884
ZFYVE27	ENSG00000155256.17	4.704381575	4.537827485	4.984912349
OAS1	ENSG00000089127.12	4.027063991	4.592572598	3.541133221
ASF1A	ENSG00000111875.7	5.575442576	4.074560758	3.560797501
FBXO28	ENSG00000143756.11	5.71244953	3.575388867	4.660533726
TOM1L2	ENSG00000175662.17	5.360646404	3.638475221	5.283641472
C2orf76	ENSG00000186132.14	3.70685567	3.568802393	4.31887998
ZBTB40	ENSG00000184677.16	4.052308031	4.479356531	4.236844457
RNF138	ENSG00000134758.13	5.308863896	4.488478876	4.222486086
CENPO	ENSG00000138092.10	4.808193663	4.76089202	3.513681935
GLRX5	ENSG00000182512.4	5.92200505	5.037160441	3.480250984
TAF12	ENSG00000120656.11	5.034778017	4.824094132	3.559258601
ZNF337	ENSG00000130684.13	4.056466873	4.436007339	3.509017021
PHF21A	ENSG00000135365.15	4.585747106	4.742937574	5.281161356
PPP3CC	ENSG00000120910.14	3.484738765	3.7580763	4.192349573
ENDOV	ENSG00000173818.16	3.901862215	3.63023718	3.896336702
ABHD11	ENSG00000106077.18	3.730260111	4.916875559	4.323103449
ARHGAP11A	ENSG00000198826.10	5.165272991	3.944143661	3.966198865
CCHCR1	ENSG00000204536.13	3.57129748	3.905577437	3.901973657
PCBP1-AS1	ENSG00000179818.13	4.35930515	3.727054597	4.444775493

SAP30	ENSG00000164105.3	5.36679777	3.975124834	3.81764733
GALNS	ENSG00000141012.12	4.05059	5.203972466	4.341226753
SMG9	ENSG00000105771.13	5.173012671	3.574493452	5.562609903
ARFRP1	ENSG00000101246.19	4.237589128	3.746744034	4.901918816
CASD1	ENSG00000127995.16	3.591185641	4.319545835	3.94167258
FADS3	ENSG00000221968.8	4.978690135	5.281593701	4.297095134
FKBP14	ENSG00000106080.10	4.031759654	5.821441048	4.172457772
GAS2L1	ENSG00000185340.15	3.984178055	5.861433363	4.186634475
ERCC5	ENSG00000134899.18	5.276129287	4.723586744	4.581687606
LIMS1	ENSG00000169756.16	4.906999247	3.567638114	5.395548201
UMPS	ENSG00000114491.13	5.411255275	4.406865583	3.541330212
PCGF5	ENSG00000180628.14	5.248362487	5.036873309	6.079282492
ALG6	ENSG00000088035.15	4.097058527	3.489122436	3.694039141
MCTP1	ENSG00000175471.19	3.899402638	3.607633786	5.247077612
KIAA0556	ENSG00000047578.12	3.966425571	4.012069326	4.585387715
TMA16	ENSG00000198498.9	5.133710328	4.083704442	3.511666266
QPCT	ENSG00000115828.15	3.54819422	9.545976077	9.754291957
CLEC2B	ENSG00000110852.4	3.831887605	3.670606298	3.618947043
MND1	ENSG00000121211.7	4.680161375	3.55084831	3.512665942
HEIH	ENSG00000278970.1	4.353137366	3.526635851	4.677634436
SNHG12	ENSG00000197989.13	5.133885717	3.639192712	4.75067806
PIK3R1	ENSG00000145675.14	4.025940448	4.432852507	4.423130679
TRIM8	ENSG00000171206.13	6.133477138	4.302713552	4.955492115
POC1A	ENSG00000164087.7	4.920719268	4.255221083	3.507950901
TTC27	ENSG00000018699.11	4.706010271	4.521121274	4.136745721
SMURF2	ENSG00000108854.15	5.018534819	3.998900373	5.071551872
ACAD10	ENSG00000111271.14	4.340969442	4.287291992	3.580547319
IL10RB	ENSG00000243646.9	3.902403209	4.718250095	4.279804203
PACRGL	ENSG00000163138.18	5.040167639	3.550134718	5.454100924
APEX2	ENSG00000169188.4	5.719046534	5.162192513	4.529201802
EMSY	ENSG00000158636.16	4.146090487	3.609189321	3.727706895
ALKBH2	ENSG00000189046.10	5.266646001	3.943090786	3.634369462
STAT5A	ENSG00000126561.16	3.886213322	4.3864361	4.392065524
ZMYM6	ENSG00000163867.16	3.523582682	4.06892153	3.99483261
TGFB1	ENSG00000105329.9	6.525180724	3.518225104	6.702512563
TSPYL2	ENSG00000184205.14	4.079500223	4.352608114	4.334526518
AAMDC	ENSG00000087884.14	3.638804583	4.465540047	4.891654786
NPHP4	ENSG00000131697.17	3.733873011	3.893444872	4.272125184
SURF6	ENSG00000148296.6	5.512341327	5.172702104	3.499308911
KIF20B	ENSG00000138182.14	5.790896157	3.687126073	3.559353669
HYAL2	ENSG00000068001.13	5.177641753	5.741372168	3.802230111
IQSEC1	ENSG00000144711.13	4.768519428	4.533924263	4.069562711
PIAS2	ENSG00000078043.15	3.809994553	4.211346492	3.786062311
SMTN	ENSG00000183963.18	5.353336241	4.163732703	3.737959645
ERCC8	ENSG00000049167.13	3.762860441	3.486734858	4.068648538
ATP9A	ENSG00000054793.13	4.582618804	3.605642528	7.41603475

CDK11A	ENSG00000008128.22	3.937034558	3.551019959	4.382474718
TMEM64	ENSG00000180694.13	3.502286323	4.455524569	4.780449242
UBE2Q2	ENSG00000140367.11	4.939891402	4.469836739	4.213060131
AC018645.2	ENSG00000273014.1	3.829668387	4.049218538	3.983976418
CSPP1	ENSG00000104218.14	4.407027771	3.825170557	3.746273514
NPRL2	ENSG00000114388.12	4.794869703	4.134772413	3.60519507
RAB27A	ENSG00000069974.15	3.581372538	8.033240131	8.880547592
C19orf25	ENSG00000119559.15	4.263389443	4.245768972	4.727257818
SEC24D	ENSG00000150961.14	4.553247888	5.540830968	3.588672807
FBXO22	ENSG00000167196.13	4.276713099	4.994921856	4.807460965
PXMP2	ENSG00000176894.9	5.23279551	3.899281799	3.465650914
H3F3AP4	ENSG00000235655.3	5.948902515	3.772783608	4.322341759
ZNF783	ENSG00000204946.9	4.421467674	4.131539842	4.0951087
HAGLR	ENSG00000224189.6	3.96869655	6.099537279	5.361298088
FNBP1L	ENSG00000137942.16	3.765521484	5.375286329	4.253420666
RABIF	ENSG00000183155.4	4.227774112	3.945028391	3.512973586
NCOA1	ENSG00000084676.15	3.593544499	3.773660277	4.550709023
ZNF689	ENSG00000156853.12	4.03150175	5.7172467	3.948393821
MTRF1	ENSG00000120662.15	4.578368691	4.540843122	4.082925017
CDC26	ENSG00000176386.8	5.914051626	5.728296384	3.501023262
PIGM	ENSG00000143315.6	4.61021637	4.326760556	3.434850927
ZXDC	ENSG00000070476.14	4.805113309	4.271055475	6.091336631
EPN2	ENSG00000072134.15	4.507973992	4.254850952	3.639307887
ROCK1	ENSG00000067900.7	4.470870358	5.12794402	5.000047952
FBF1	ENSG00000188878.19	3.797793457	3.621130044	3.518415289
AC005034.3	ENSG00000270696.1	4.121826422	4.435101362	3.819703003
CLEC16A	ENSG00000038532.14	4.587548221	4.429304412	5.392553243
SMAD3	ENSG00000166949.15	5.661065371	3.717484915	4.840239407
ZSWIM6	ENSG00000130449.5	4.764712253	3.863000252	3.492766029
AFAP1L1	ENSG00000157510.13	4.571897941	3.525777418	3.663816422
DMPK	ENSG00000104936.17	4.528519228	4.292383955	4.340220007
APC	ENSG00000134982.16	4.896957519	4.368961751	4.034330685
SETD4	ENSG00000185917.13	3.590755568	4.287629187	4.155946922
PPARD	ENSG00000112033.13	3.737462209	4.760711737	5.867372607
FBXO21	ENSG00000135108.14	5.239866412	4.403376972	4.247178218
SETD6	ENSG00000103037.11	5.204800039	4.182413397	3.891952978
DDX19B	ENSG00000157349.16	4.432775799	4.103738399	4.620895955
MYO1D	ENSG00000176658.16	4.150815124	7.05363391	8.731154985
R3HCC1L	ENSG00000166024.13	4.080502514	4.130547283	4.090511873
DAAM1	ENSG00000100592.15	3.451763102	4.795097488	4.77050666
SH3BP4	ENSG00000130147.15	3.462267002	5.496888543	6.665777898
LINC00963	ENSG00000204054.13	5.074354145	6.689945137	4.726168955
LYRM4	ENSG00000214113.10	3.609855807	4.110585426	3.936903763
FAT1	ENSG00000083857.13	6.758723525	5.351308191	6.767042496
RNPC3	ENSG00000185946.15	3.997017328	3.611401832	3.675026397
MFHAS1	ENSG00000147324.10	3.51069394	3.432975357	4.472488495

SLC4A3	ENSG00000114923.16	3.588541815	4.129963947	3.722008213
RNPEPL1	ENSG00000142327.12	3.848032545	5.450407048	6.967675493
ALDH3A2	ENSG00000072210.18	6.016272799	4.19878179	3.64147812
INVS	ENSG00000119509.12	4.101473559	5.109837308	3.510600538
OSGEPL1	ENSG00000128694.11	3.526476442	4.847140605	4.094044598
TTC8	ENSG00000165533.18	4.835807537	3.888220701	3.916754926
VWA8	ENSG00000102763.17	4.402395898	4.119071504	4.963537505
SAMD9	ENSG00000205413.7	4.271435289	4.746896976	3.56451059
PEX11B	ENSG00000131779.10	4.249674662	4.664851453	3.941796071
CCNF	ENSG00000162063.12	5.499735278	3.612540141	3.495674008
PKD1P6	ENSG00000250251.6	5.548708309	3.946873331	4.59441378
SPATA2	ENSG00000158480.10	4.684837551	4.94150657	5.564504414
CEP85	ENSG00000130695.14	4.759564114	3.887176819	3.473472143
RDH13	ENSG00000160439.15	4.019897699	3.601028302	5.38282735
ARRB1	ENSG00000137486.16	3.714413678	5.102067277	5.327338999
TAF1	ENSG00000147133.15	4.987994287	4.177960584	4.954328243
NDOR1	ENSG00000188566.13	5.093146092	5.087325462	3.642561629
HDDC3	ENSG00000184508.10	4.194210287	4.21808994	4.026556108
BRPF1	ENSG00000156983.15	4.450282856	4.402072302	3.560775508
RGMB	ENSG00000174136.11	4.484610972	3.970576301	4.687701088
DYRK2	ENSG00000127334.10	4.467209513	4.302708053	3.493053618
KLF13	ENSG00000169926.10	3.453296029	4.73918517	4.524819508
CABLES1	ENSG00000134508.12	4.099530001	6.755278729	6.901691283
MTFMT	ENSG00000103707.9	4.728702438	5.460858689	3.929365112
SLC6A6	ENSG00000131389.16	5.400954496	5.038510829	4.04591045
SLC9A8	ENSG00000197818.11	3.935240093	4.341654962	3.800876982
RNF141	ENSG00000110315.6	3.484458404	4.34013161	4.856713528
SAP30L	ENSG00000164576.11	4.248282049	3.487647272	4.719804994
HMCN1	ENSG00000143341.11	6.051342701	5.449327525	4.896357738
INTS7	ENSG00000143493.12	5.787322772	3.60794782	4.841218282
TTC33	ENSG00000113638.13	3.890988925	4.180596026	4.02154699
HMGB1P5	ENSG00000132967.9	5.772350052	4.202382175	3.621027932
WDCP	ENSG00000163026.11	4.264877106	3.914781027	3.431973748
IQCE	ENSG00000106012.17	3.70034836	5.042400917	3.651778675
TMEM41B	ENSG00000166471.10	3.801679449	3.791268978	4.89393837
TEFM	ENSG00000172171.10	4.364640618	4.629028831	4.131503872
SMDT1	ENSG00000183172.8	4.593419669	4.83059454	5.764506071
DALRD3	ENSG00000178149.16	4.761470717	4.6577284	3.497059169
TRAF3IP1	ENSG00000204104.11	3.614072994	4.454627994	3.426850502
SLC38A6	ENSG00000139974.15	3.879060917	4.319238464	4.404608209
ZBTB18	ENSG00000179456.10	4.617140216	3.547903449	3.46605294
ZNF512	ENSG00000243943.9	3.498531667	5.058617283	5.103804256
SIK2	ENSG00000170145.4	3.748451418	3.445026965	5.214373682
PEMT	ENSG00000133027.17	5.842041496	4.620300224	4.859176322
TRMT13	ENSG00000122435.9	4.910791799	3.701729058	3.586339432
LDLRAP1	ENSG00000157978.11	4.863751288	3.506693897	4.438254166

LBX2	ENSG00000179528.15	4.786297612	3.941554226	3.532119557
DDX59	ENSG00000118197.13	5.022950811	4.030239576	3.984829263
CENPL	ENSG00000120334.15	5.321369071	4.443982052	3.424848111
NSUN3	ENSG00000178694.9	3.881413157	3.597645286	3.988997541
CERS6	ENSG00000172292.14	3.439503951	5.081723809	4.634968353
CBR4	ENSG00000145439.11	4.486459698	4.218897628	4.932579663
MYO1E	ENSG00000157483.8	5.746758526	4.450673679	5.507410218
MAP3K12	ENSG00000139625.12	4.543394451	4.709351359	4.580970984
LBX2-AS1	ENSG00000257702.3	4.074897787	4.030611473	3.540344887
OTUD6B	ENSG00000155100.10	4.743118361	4.293911063	4.708595955
TBC1D2B	ENSG00000167202.11	3.881677544	4.552305538	4.619100031
PIK3CA	ENSG00000121879.3	4.422628327	4.720424179	4.666185344
FUT11	ENSG00000196968.10	4.836464121	3.429947256	4.560987292
INTS2	ENSG00000108506.11	4.054079594	4.074959282	4.0826747
TTF1	ENSG00000125482.12	5.766996855	5.017373453	3.560008097
SOCS5	ENSG00000171150.7	5.233976083	4.203729763	3.810001223
OSBPL3	ENSG00000070882.12	4.927199517	5.116331568	5.418774026
SLC25A51	ENSG00000122696.13	4.838381621	4.6487637	3.503670911
LEPROT	ENSG00000213625.8	5.387785465	3.896632877	3.743732339
NUDT4	ENSG00000173598.13	3.791805478	5.120426143	4.048298119
ZNF318	ENSG00000171467.15	3.960327601	3.692788371	4.478202829
METTL1	ENSG00000037897.16	4.429521395	4.14707777	5.57993734
SGCB	ENSG00000163069.12	5.381616469	4.799543753	3.432677627
RNF115	ENSG00000265491.4	4.064098172	4.114203662	3.983538429
PYM1	ENSG00000170473.16	5.38751605	4.505543729	3.804301937
ZNF592	ENSG00000166716.9	4.477226972	3.896680569	3.542428658
MGA	ENSG00000174197.16	4.159556563	4.202205352	4.245901037
VEGFA	ENSG00000112715.21	6.139205137	5.31730882	6.875886494
FYTTD1	ENSG00000122068.12	4.866804184	4.367376059	5.12471761
CCDC93	ENSG00000125633.10	3.462057129	5.4074022	5.880530916
NUP37	ENSG00000075188.8	6.063386888	5.42776728	3.521791059
PLA2G16	ENSG00000176485.11	4.246669464	4.776827138	4.689923076
SYDE1	ENSG00000105137.12	5.16590724	4.698100717	3.740103614
UBE2E2	ENSG00000182247.9	4.553317155	5.112989449	4.81789641
GEMIN6	ENSG00000152147.10	5.777763612	5.691499699	3.977220234
GNE	ENSG00000159921.14	6.962418953	4.05406958	3.913990774
ELMOD2	ENSG00000179387.9	3.729920291	4.062351989	5.073573595
TMEM237	ENSG00000155755.18	3.513078904	4.100328925	3.821775063
HACD1	ENSG00000165996.13	3.657262958	4.966599356	4.041951764
SETD9	ENSG00000155542.11	3.83419343	4.017151945	3.539190511
RAB5B	ENSG00000111540.15	4.200403492	4.995624292	5.087047254
TCP11L1	ENSG00000176148.15	4.553801713	3.91527178	4.932382062
BCAS3	ENSG00000141376.22	4.182062163	4.113190898	6.770452209
CNRIP1	ENSG00000119865.8	3.487348806	5.339769998	3.616732736
LINC00339	ENSG00000218510.7	4.695285636	5.529186558	4.115815482
CMC4	ENSG00000182712.15	4.76072207	3.823600933	4.790450054

LONRF1	ENSG00000154359.12	3.773755154	6.424614128	7.089104676
DTD2	ENSG00000129480.12	3.575311901	3.78072244	4.140870937
POC1B	ENSG00000139323.13	3.822201621	4.542529513	3.493553919
MAP3K10	ENSG00000130758.7	4.09472234	5.576615782	3.835635317
TP53INP2	ENSG00000078804.12	3.438502647	5.55826456	7.337086952
LAMTOR3	ENSG00000109270.12	3.699327244	3.995389708	4.423834449
FAM200A	ENSG00000221909.2	3.988474493	4.40783955	3.474767104
GTF2H4	ENSG00000213780.10	4.126359133	4.404338684	4.324054463
TCTN1	ENSG00000204852.15	4.680719941	4.162401676	3.429136808
SLC25A4	ENSG00000151729.10	5.907497556	4.215421346	8.549920298
SLC7A11	ENSG00000151012.13	5.759542321	4.999239491	6.957068482
S100PBP	ENSG00000116497.17	4.35962549	4.203742563	4.437258037
FSBP	ENSG00000265817.2	4.714047897	3.783082063	3.71798349
AP002360.2	ENSG00000255135.3	3.919772635	3.497270271	4.356546135
ZMYM5	ENSG00000132950.18	4.060156741	3.655375689	3.964432959
PDLIM5	ENSG00000163110.14	4.794459102	4.520862672	4.740572049
MAP4K2	ENSG00000168067.11	4.971552657	4.652256086	4.317963387
PDE4D	ENSG00000113448.18	4.682971081	5.291374749	4.836835484
PHF2	ENSG00000197724.10	4.501226182	4.679791134	3.415277702
NUMBL	ENSG00000105245.9	4.684955689	5.321510574	3.482222575
SDR39U1	ENSG00000100445.17	4.74267152	3.778097586	4.183379815
NDUFAF4	ENSG00000123545.5	4.331770996	4.104508737	4.220982093
NLN	ENSG00000123213.22	3.847551582	4.108553828	3.425041095
MYCBP	ENSG00000214114.8	5.196591083	3.847906021	3.439255725
PPP1R18	ENSG00000146112.11	4.098450151	5.090939091	5.72602623
RAD18	ENSG00000070950.9	4.77158119	4.095123034	3.422698087
MAD2L1	ENSG00000164109.13	5.568641193	3.964179398	3.539739235
FHL3	ENSG00000183386.9	4.384908228	3.920442129	3.417505936
AC008443.1	ENSG00000233937.6	4.79975028	4.13488101	4.300445659
ORMDL2	ENSG00000123353.9	4.909115269	4.821575376	3.65170676
SYNJ1	ENSG00000159082.17	3.404258133	3.610327873	4.052246148
ESS2	ENSG00000100056.11	3.745411861	4.723632244	4.239458987
ZBTB21	ENSG00000173276.13	3.730689823	3.828380451	3.600210147
FMNL3	ENSG00000161791.13	4.366329478	3.860251262	3.451960392
S100A16	ENSG00000188643.10	7.571193387	5.10975117	4.261682368
TYSND1	ENSG00000156521.13	4.298870137	3.698381284	3.997214122
MRPL50	ENSG00000136897.7	5.026844379	5.187437676	3.437703489
AC073896.4	ENSG00000258199.1	3.933404769	3.914501106	3.823766063
CCDC112	ENSG00000164221.12	3.814723265	3.622418761	3.572039569
ZNF266	ENSG00000174652.17	4.762077443	4.331598126	4.567156567
MAP7D3	ENSG00000129680.15	4.857877377	4.580190434	3.463598967
NAGPA	ENSG00000103174.11	3.790318355	4.460444381	3.823076337
MRE11	ENSG00000020922.12	4.855463171	3.414728717	4.372823977
USP25	ENSG00000155313.15	3.470477612	4.429938363	5.310474712
ZFX	ENSG00000005889.15	4.620844257	3.602705084	4.532230188
ST3GAL2	ENSG00000157350.12	5.513505506	4.384847713	4.551570098

PLCD3	ENSG00000161714.11	4.089944178	3.880682849	3.394766114
CYLD	ENSG00000083799.17	4.278859769	3.524359556	4.853383026
ZNF395	ENSG00000186918.13	5.004858392	3.959715565	4.534592443
FASTKD1	ENSG00000138399.17	3.526917786	5.895572572	5.962948293
ADCY9	ENSG00000162104.9	3.825163956	3.453885392	5.815626756
ARSA	ENSG00000100299.17	3.547560074	5.960554711	4.680891724
HELLS	ENSG00000119969.14	5.499122423	4.191163795	3.708948798
MPP5	ENSG00000072415.8	4.587337455	3.394432493	4.411353195
CC2D2A	ENSG00000048342.15	4.225690188	3.794888825	6.22209648
STYX	ENSG00000198252.11	3.770442985	3.475330383	4.096136369
PLXNB1	ENSG00000164050.12	4.715637851	4.286508668	4.66436378
MAP2K5	ENSG00000137764.19	5.186562578	4.202426662	5.784763555
PASK	ENSG00000115687.13	3.403011644	4.062180942	4.037128519
IKBIP	ENSG00000166130.14	5.603226018	6.458625654	3.480892005
MSTO1	ENSG00000125459.14	4.657996198	5.044144316	3.477593255
IFI30	ENSG00000216490.3	5.804433463	4.766605477	3.458286586
GPALPP1	ENSG00000133114.17	4.27399441	3.547330976	3.727593527
DIAPH3	ENSG00000139734.17	3.636621327	3.534509437	3.391954486
TMEM150A	ENSG00000168890.13	3.765867826	4.692756329	3.680727758
CTTNBP2NL	ENSG00000143079.14	4.160196316	3.944398472	3.799867957
HIPK2	ENSG00000064393.15	6.239116782	4.986161264	5.731985212
ZNF507	ENSG00000168813.16	4.524085098	3.850991032	3.598067119
BRAP	ENSG00000089234.15	4.70478023	4.350108571	3.472711534
GSTZ1	ENSG00000100577.18	3.510909588	4.000310797	3.557812623
PDSS1	ENSG00000148459.15	5.255049888	3.689470156	3.492133151
CISD1	ENSG00000122873.11	4.639624843	3.396698999	6.884378763
THAP1	ENSG00000131931.8	3.823251877	3.648650777	3.628685003
ARMCX3	ENSG00000102401.19	3.65240905	5.191725102	4.832287853
CEP192	ENSG00000101639.18	3.80383774	3.99124225	3.920280076
APTR	ENSG00000214293.8	3.447765284	4.824210066	4.432727808
RLF	ENSG00000117000.8	4.366084262	3.521901387	3.367995891
TPM1	ENSG00000140416.19	6.163150843	5.132192779	5.195061599
SOCS7	ENSG00000274211.4	4.596304399	3.895409823	4.883276155
ZNF134	ENSG00000213762.11	4.240323314	3.434071339	4.04929166
CNTRL	ENSG00000119397.16	5.173012921	4.045847944	3.438712279
CEP89	ENSG00000121289.17	4.620027635	4.142518233	4.165439876
CDCA2	ENSG00000184661.13	5.045780422	3.709540951	3.440157765
AL590617.2	ENSG00000225177.5	5.727425864	4.411178475	3.978157148
TEP1	ENSG00000129566.12	4.341859072	3.764508944	4.522092465
NOCT	ENSG00000151014.5	4.714776214	3.767219255	3.4056894
METTL18	ENSG00000171806.11	4.439254765	3.709620201	3.44536553
AL445524.1	ENSG00000233461.5	4.361398193	4.789590195	3.891594752
WHRN	ENSG00000095397.13	3.935081285	6.474759364	4.099146992
DEDD2	ENSG00000160570.13	4.491355508	4.895037305	4.384759587
DDX51	ENSG00000185163.9	3.835801785	3.475264226	4.566475868
NFATC3	ENSG00000072736.18	4.895960858	3.463233901	4.20422552

TAMM41	ENSG00000144559.10	4.992079119	4.766132788	3.407483669
TBC1D8	ENSG00000204634.12	4.896623716	4.682426813	3.961197225
ARHGGEF25	ENSG00000240771.6	4.621836111	4.02266713	6.457520955
UNC119	ENSG00000109103.11	4.171460138	5.104785886	5.013857712
MARK4	ENSG00000007047.14	4.515012838	4.256783996	5.296862059
WBP1L	ENSG00000166272.16	4.606097202	4.725849005	5.060753698
C6orf203	ENSG00000130349.9	4.748232349	4.138728352	3.427840657
MAPK12	ENSG00000188130.13	3.901311636	4.760843054	4.611925291
PNRC1	ENSG00000146278.10	5.145902031	5.047414333	5.410079034
MXRA7	ENSG00000182534.13	3.96071254	6.129952013	6.008999387
PRIMPOL	ENSG00000164306.10	4.438914832	3.42178456	4.044750994
PARP12	ENSG00000059378.12	4.608886788	5.00795484	4.470441886
ABHD13	ENSG00000139826.5	4.179637038	3.606514655	3.894266839
GZF1	ENSG00000125812.15	3.934084288	3.820639798	3.407851041
CSNK1G1	ENSG00000169118.17	4.160759373	4.96969968	4.323717721
SH3BP5	ENSG00000131370.15	4.534572231	7.989304853	4.432549526
FLNB	ENSG00000136068.14	6.250029254	5.577775658	3.465824715
STRIP2	ENSG00000128578.9	3.442039739	4.357209983	4.170629751
MRRF	ENSG00000148187.17	5.308309314	5.307947699	4.099103207
GPATCH2	ENSG00000092978.10	4.767802421	3.400392997	3.544412582
NFKBIZ	ENSG00000144802.11	3.532035157	6.028887558	3.749850934
CYP4V2	ENSG00000145476.15	3.545144569	3.855013436	4.187032688
DYM	ENSG00000141627.13	4.6336371	4.23308606	5.039954739
BTN2A2	ENSG00000124508.16	3.939012653	4.832100204	4.850972408
CUL7	ENSG00000044090.8	4.143912913	4.97458676	4.88595299
RGP1	ENSG00000107185.9	5.563998226	4.290421816	4.297583971
PPM1D	ENSG00000170836.11	4.340966909	3.837359764	4.150653098
PLEKHA4	ENSG00000105559.11	6.166949413	6.708340822	4.926251404
FAM206A	ENSG00000119328.11	5.128733484	5.453163927	3.401288534
ZNF562	ENSG00000171466.9	4.674305896	4.41154143	3.710752236
DOCK4	ENSG00000128512.20	5.565008544	4.009065676	4.787567862
NXT1	ENSG00000132661.3	5.44739768	5.289826362	3.482505859
ABCB9	ENSG00000150967.17	4.773463551	3.537355313	4.486463555
SLC2A3	ENSG00000059804.15	5.216184015	4.242562552	5.226945091
SEPT6	ENSG00000125354.22	4.370909421	4.956604709	4.489385381
TADA2A	ENSG00000276234.4	4.249349245	3.670256701	3.474695559
SFRP1	ENSG00000104332.11	7.636713837	5.170100755	8.501460688
COG8	ENSG00000272617.2	5.011024214	3.972421749	4.330925269
POLR3G	ENSG00000113356.11	5.584378294	5.018261272	5.598858759
ANKMY2	ENSG00000106524.8	3.433444792	5.074715862	5.024439859
FBXO42	ENSG00000037637.10	3.749033629	3.857434425	4.012760512
SERGEF	ENSG00000129158.10	4.443477627	4.672879857	4.790123396
METTL22	ENSG00000067365.14	3.656818625	3.895560089	4.425577449
JRKL	ENSG00000183340.6	4.795452995	3.379020814	4.875795047
ZNF189	ENSG00000136870.10	4.240133756	4.591392985	3.362347119
ZNF358	ENSG00000198816.6	5.604797432	4.3756701	4.973498135

NSMCE3	ENSG00000185115.5	3.358775832	4.450148705	3.950450274
FBXO44	ENSG00000132879.13	3.579821219	5.943353145	6.550730528
MPI	ENSG00000178802.17	5.034241496	4.876316678	3.470481524
SLC35D1	ENSG00000116704.7	4.072483039	3.593554602	3.519367845
COQ2	ENSG00000173085.13	4.525458019	4.078319697	3.364448978
TTC31	ENSG00000115282.19	4.739656005	3.921500493	3.704187901
NLE1	ENSG00000073536.17	4.79280708	4.623497894	4.184128436
DPY19L3	ENSG00000178904.18	4.091273577	3.87384324	3.662212738
RPIA	ENSG00000153574.8	5.316874988	4.904022315	3.37480318
HAGHL	ENSG00000103253.17	4.914533599	5.358221254	5.564017297
CTBS	ENSG00000117151.12	3.55586332	4.064454129	4.952556013
MYO10	ENSG00000145555.14	3.330298947	8.368373623	8.863461385
SCO1	ENSG00000133028.10	4.872586581	3.430287644	3.90926084
C9orf85	ENSG00000155621.14	4.668127097	4.650270743	3.571778763
BBS10	ENSG00000179941.6	4.38848977	3.975515543	4.334101156
ZNF511	ENSG00000198546.14	5.332497223	3.78923542	3.678321799
CNNM4	ENSG00000158158.11	3.397146748	3.678235266	4.181627573
ABRAXAS2	ENSG00000165660.7	5.041891328	3.792272094	4.219167995
SEC61A2	ENSG00000065665.20	3.561260206	4.143542951	4.197900159
GMPPB	ENSG00000173540.12	4.359405171	4.535255888	3.413684753
RHBDD1	ENSG00000144468.16	4.008561867	4.475377644	5.798144522
UTP14C	ENSG00000253797.2	4.065840938	3.94579224	3.96329826
TRUB2	ENSG00000167112.9	5.584801852	5.271548751	3.345687794
UHRF1BP1	ENSG00000065060.16	3.813199859	3.947124712	5.385757835
SH3D19	ENSG00000109686.17	4.86126532	4.051310053	4.902264227
CLCN6	ENSG00000011021.21	3.42842966	4.639163556	4.036925662
SLC25A19	ENSG00000125454.11	4.459501314	3.687256831	3.801551261
DUSP3	ENSG00000108861.8	4.577572054	4.875763002	5.66797649
DEXI	ENSG00000182108.9	3.425493931	4.56261866	4.765569707
CHEK2	ENSG00000183765.20	4.370875947	4.342614667	4.042925143
TSC22D2	ENSG00000196428.12	4.122865132	4.07286776	4.86897113
CUTC	ENSG00000119929.12	5.472370272	3.922224875	4.073860918
RBBP9	ENSG00000089050.15	4.78848887	4.520601088	3.33642459
MTHFR	ENSG00000177000.11	3.65870658	3.945204047	4.128140363
IFI44	ENSG00000137965.10	4.570241266	3.363850876	4.306297023
FBXO33	ENSG00000165355.7	3.818710136	3.693812546	3.811661531
RAB30-AS1	ENSG00000246067.7	4.407014253	3.654552338	3.984844233
ARHGEF10	ENSG00000104728.15	3.804303098	3.452687469	3.521156112
SMIM10L1	ENSG00000256537.4	4.330552632	3.753321641	5.497322575
DGKD	ENSG00000077044.10	4.904259431	4.046092186	4.772916296
PLD1	ENSG00000075651.15	3.408647086	5.41132426	5.306118661
MED9	ENSG00000141026.5	4.070985522	4.80885348	5.222545346
ANAPC10	ENSG00000164162.13	4.136897521	3.311395853	3.743712895
ZDHHC24	ENSG00000174165.7	3.358531871	3.874943841	4.33118665
RAB38	ENSG00000123892.11	5.038795143	7.454457897	8.014799754
CCNT2	ENSG00000082258.12	3.431259783	3.751851898	4.03349711

BCL6	ENSG00000113916.17	4.266711845	4.089852258	4.491511045
BAHD1	ENSG00000140320.11	4.582021685	4.627903298	4.863205644
DXO	ENSG00000204348.9	3.565780328	3.840339034	4.051083637
RCL1	ENSG00000120158.11	5.460840026	3.787341089	3.366707579
ZNF513	ENSG00000163795.13	4.652812745	4.534011778	3.394155314
AC027031.2	ENSG00000254615.2	5.116235368	3.699225597	3.782926867
FBXW4	ENSG00000107829.13	4.190381558	3.650914166	4.118829135
C11orf74	ENSG00000166352.15	3.987448231	5.075227502	5.70501425
MNS1	ENSG00000138587.5	4.040007177	3.363012914	3.399737522
WDR47	ENSG00000085433.15	3.78301701	3.852687265	3.666296764
NEIL2	ENSG00000154328.15	3.729242082	3.52589947	4.98680136
SETD1B	ENSG00000139718.10	4.446147517	4.02703875	3.833820056
SLC19A1	ENSG00000173638.18	4.328349467	3.907875847	3.516791601
FAM171B	ENSG00000144369.12	3.53531747	3.902155332	6.676562515
PRKAB1	ENSG00000111725.10	5.018826747	4.427742009	5.601223528
LMAN2L	ENSG00000114988.11	4.057875065	4.539814705	3.839325768
BRCC3	ENSG00000185515.14	4.571434359	4.048414768	4.084391516
SLC2A1	ENSG00000117394.20	6.494452834	5.458695159	4.502993736
FAM204A	ENSG00000165669.13	4.278694881	3.735825727	4.511011681
ANO6	ENSG00000177119.15	5.659768381	5.46852205	3.304944053
SGPP1	ENSG00000126821.7	3.594820697	3.37268604	4.575673942
NCEH1	ENSG00000144959.9	3.428536813	4.197765487	5.186581777
NEK2	ENSG00000117650.12	6.063040329	3.358040666	3.963242081
FAM118A	ENSG00000100376.11	3.536958849	5.748370721	4.46866145
LRR1	ENSG00000165501.16	5.344483492	4.030285038	3.408768334
ELMSAN1	ENSG00000156030.13	5.337658741	3.464178892	4.981441478
SPATC1L	ENSG00000160284.14	4.198990589	4.495007646	4.729095412
ZNF146	ENSG00000167635.11	6.682101846	6.263134002	5.910254112
ARHGAP31	ENSG00000031081.10	4.088844735	4.492172995	4.732167295
HPS6	ENSG00000166189.7	4.904938532	4.005390406	3.471212922
ARL6IP6	ENSG00000177917.10	4.165027817	3.55058356	3.735136056
ETFRF1	ENSG00000205707.10	3.885161735	4.149577291	5.232241199
OFD1	ENSG00000046651.14	4.550826943	3.631250796	4.672310511
TMEM80	ENSG00000177042.14	3.628760688	4.005144742	3.354543287
ZNF574	ENSG00000105732.12	4.092094211	4.462655721	3.928824581
ETFDH	ENSG00000171503.11	3.862575883	3.618841904	4.281330926
SPIN1	ENSG00000106723.16	5.668429141	5.785120366	4.113484748
CXorf38	ENSG00000185753.12	4.545679451	3.745969039	3.340078696
CITED2	ENSG00000164442.9	4.022440878	3.380890652	3.927558158
VPS37A	ENSG00000155975.9	4.016159664	3.479784456	4.723778776
ALKBH1	ENSG00000100601.9	3.849692793	3.364029845	4.232995571
C1QTNF1	ENSG00000173918.14	3.462980172	5.505421082	6.976295396
THUMPD3-AS1	ENSG00000206573.8	4.079315312	4.47415087	4.232034475
WDSUB1	ENSG00000196151.10	3.490774008	4.771325962	5.139114227
GOLGA5	ENSG00000066455.12	4.879371289	5.26698927	3.400402302
HOTAIRM1_5	ENSG00000277694.1	3.387563386	4.809967983	4.488781134

DHRS11	ENSG00000278535.4	5.47723443	5.586746575	4.666813823
ZCCHC24	ENSG00000165424.6	6.721889722	4.421262149	5.000395319
AL049840.3	ENSG00000269940.1	4.173129831	4.189077602	3.366322921
TMEM254	ENSG00000133678.13	4.392662152	3.408245484	3.777862616
RIMKLB	ENSG00000166532.15	4.934762688	4.302026054	4.7130353
HINFP	ENSG00000172273.12	4.366905267	3.580906404	4.122244017
DNAJB4	ENSG00000162616.8	3.491171205	4.661145367	3.484981234
TRIM14	ENSG00000106785.14	4.321845737	4.141299391	3.328608017
SKA1	ENSG00000154839.9	3.861411896	4.494713009	3.375193149
STAG3L3	ENSG00000174353.17	3.660278166	3.694558416	3.767359409
SATB2	ENSG00000119042.16	3.745570999	4.337316671	4.106455247
PTPN13	ENSG00000163629.12	3.35636435	4.183175864	3.861632015
MTPAP	ENSG00000107951.14	3.986633798	4.003170134	3.879481661
SSX2IP	ENSG00000117155.16	4.436471839	3.412834249	3.320099336
HDHD2	ENSG00000167220.11	4.13360157	4.634573898	3.969855253
POLH	ENSG00000170734.11	4.194341239	4.292922536	4.686130003
TSPAN31	ENSG00000135452.9	4.946659462	4.073441192	6.350716397
DHRS13	ENSG00000167536.13	4.577235457	3.529718009	5.317909017
SNRNP48	ENSG00000168566.12	4.487349629	4.10340453	3.536348844
TMEM251	ENSG00000153485.5	4.222310332	5.069818321	4.530539326
ZNF740	ENSG00000139651.10	5.079842939	3.586629526	3.430615992
C4orf33	ENSG00000151470.12	3.355913284	3.663740957	4.372809332
BAG1	ENSG00000107262.19	5.162241748	4.878253017	3.679083858
HOMER2	ENSG00000103942.12	4.433228182	3.381257149	5.216792382
MT-TH	ENSG00000210176.1	3.311381473	4.817002292	4.205028656
RPL32P3	ENSG00000251474.6	4.03262407	4.215419437	3.974735524
MEF2C	ENSG00000081189.15	3.534881214	4.132604562	6.396194823
ARID2	ENSG00000189079.15	4.349920583	3.508868672	3.801926031
EDRF1	ENSG00000107938.17	5.3571606	3.827913473	3.711116658
CDCA8	ENSG00000134690.10	6.087049858	4.454686189	3.39031729
CEP41	ENSG00000106477.18	4.3675797	3.509375549	5.173972222
EEF2K	ENSG00000103319.11	5.233659402	4.735062397	3.433618412
KIAA1841	ENSG00000162929.13	3.378529062	4.105173503	3.327381474
KDM5B	ENSG00000117139.16	6.591182195	5.395225196	3.65336533
ARSD	ENSG00000006756.15	3.419354545	3.544721402	3.791578132
TMCC1	ENSG00000172765.16	3.913824351	3.64395151	3.870732553
EXOSC6	ENSG00000223496.2	5.441774811	3.978194007	5.608113379
EPM2AIP1	ENSG00000178567.7	4.040769979	4.105155044	3.657304995
C1orf35	ENSG00000143793.12	4.985309956	3.31605206	3.890387153
CACUL1	ENSG00000151893.14	4.608615053	3.997574216	4.65523161
ZNF580	ENSG00000213015.8	5.41926491	3.869905408	5.576405218
ARMT1	ENSG00000146476.10	5.018010753	4.666383097	4.218533901
ABCC10	ENSG00000124574.14	3.389457515	4.360852318	4.359551754
CDKN2D	ENSG00000129355.6	4.851409938	4.208360319	4.82670494
ABHD15	ENSG00000168792.4	4.031802448	4.334948067	3.941905116
KLHL2	ENSG00000109466.13	4.350041858	3.904081316	4.869227385

STIM2	ENSG00000109689.15	5.418128616	3.692102638	6.909289912
AL031587.5	ENSG00000278948.1	4.261496592	3.618958191	4.437532886
SDHAP1	ENSG00000185485.14	3.28151795	4.169052109	3.976486307
TUBA1A	ENSG00000167552.13	5.560901235	6.255224613	3.808574481
PDPR	ENSG00000090857.13	6.095524082	3.587745424	5.82920232
TTC13	ENSG00000143643.12	4.727717268	3.844237468	3.369329019
ACAD11	ENSG00000240303.7	3.790192212	4.155755067	3.900236887
BNC2	ENSG00000173068.17	3.470405736	4.134833782	3.871143943
DNAL4	ENSG00000100246.12	3.421151657	3.768298641	4.905780033
ATXN1L	ENSG00000224470.7	4.297880247	4.715428229	4.443296126
TSTD2	ENSG00000136925.14	4.602333499	4.67920539	3.30125225
WIPF2	ENSG00000171475.13	5.024189028	5.6054467	5.484700978
RCAN3	ENSG00000117602.11	4.28072557	4.333661259	3.90810157
POGLUT1	ENSG00000163389.10	4.405197985	3.352105717	3.740785103
NUTM2A-AS1	ENSG00000223482.7	5.299993382	4.408338328	4.96741927
SFI1	ENSG00000198089.15	4.123523414	4.965490209	5.309924738
FAM160B1	ENSG00000151553.14	3.798090304	3.856440759	4.424605508
ZBTB1	ENSG00000126804.13	4.466031999	4.320450322	3.430337375
ZNF224	ENSG00000267680.5	4.146182572	3.342976897	3.921545837
SNX10	ENSG00000086300.15	5.392065775	5.821714103	7.255071918
SKP2	ENSG00000145604.15	6.035472762	5.179771778	3.377353392
TRAPPC6B	ENSG00000182400.14	4.241545789	3.308184606	4.926751999
SOD2	ENSG00000112096.16	4.843788822	4.294508939	4.155307325
ALG11	ENSG00000253710.2	3.853583981	3.847958042	3.292626521
ELK3	ENSG00000111145.7	6.308635201	4.448446832	3.3606826
FARS2	ENSG00000145982.11	3.722585527	4.06130401	4.128025857
NF2	ENSG00000186575.17	4.823775057	4.311724248	4.892993052
FAM58A	ENSG00000262919.7	4.356622908	5.153809526	4.15390575
THAP3	ENSG00000041988.15	4.435760396	3.609988836	4.326374315
ADA	ENSG00000196839.12	4.683644446	3.940563016	4.050899762
USP20	ENSG00000136878.12	4.27570901	4.796035784	3.647867959
CAMK2G	ENSG00000148660.20	3.87024537	3.357181935	3.820275297
GLMN	ENSG00000174842.16	4.31362273	4.126292052	3.346620385
SNTA1	ENSG00000101400.5	3.364214997	5.040212673	4.520570598
PWWP2A	ENSG00000170234.12	3.865792337	3.382399622	3.818848963
ZNF226	ENSG00000167380.16	4.261095962	3.428915707	4.135440434
DTNB	ENSG00000138101.18	3.369211471	3.97251189	4.350239702
NSUN4	ENSG00000117481.10	4.553131276	4.391959133	3.372464771
AL355338.1	ENSG00000274605.1	4.601337521	3.781149495	4.214108162
SMYD3	ENSG00000185420.18	4.32524937	3.287469461	3.835814621
BAIAP2-AS1	ENSG00000226137.5	3.270765555	3.908800489	5.363064741
ZNF281	ENSG00000162702.7	4.868035379	4.741895835	3.973762903
DCTN5	ENSG00000166847.9	4.523752497	4.049284201	4.24607327
AC069544.2	ENSG00000284024.1	3.746438452	3.840735209	3.443647759
SLC25A37	ENSG00000147454.13	4.957007631	4.9553307	3.555843117
GCLM	ENSG00000023909.9	5.090016681	4.569847749	4.040289163

RELL2	ENSG00000164620.8	4.00127465	4.690309815	4.403538544
C9orf40	ENSG00000135045.6	4.370945217	3.963066388	3.960731131
IQGAP3	ENSG00000183856.10	5.74116151	4.367337075	3.307105958
HDAC10	ENSG00000100429.17	3.81228945	4.751902623	4.580026314
KDM6B	ENSG00000132510.10	5.205698856	4.320816388	4.83717402
RC3H1	ENSG00000135870.11	3.607883988	3.831620201	3.277290912
CWF19L2	ENSG00000152404.15	4.543581179	3.567665427	3.567039168
SCAMP1	ENSG00000085365.17	4.380175992	3.786204434	4.356283786
MOB3A	ENSG00000172081.13	4.682519585	5.644607012	6.070820908
ZNF865	ENSG00000261221.3	4.373203332	3.334151915	4.073039548
MED11	ENSG00000161920.9	5.341635034	3.347887884	3.508747134
NHEJ1	ENSG00000187736.12	3.780383453	3.886757969	3.472926365
PRRG1	ENSG00000130962.17	3.305085903	3.478944197	3.289221981
AP5Z1	ENSG00000242802.6	3.616691702	5.671908284	4.722027599
FAM220A	ENSG00000178397.12	4.021168398	4.441979421	3.972593642
SYNGR1	ENSG00000100321.14	3.935221951	4.545481529	5.862703671
WWC3	ENSG00000047644.18	3.363819047	3.684368705	4.850863274
ASB7	ENSG00000183475.12	3.956201451	4.374286901	3.896887677
TUBB6	ENSG00000176014.12	5.092239806	5.699805558	3.31932163
ZNF37A	ENSG00000075407.18	4.012640628	3.677962302	3.889724055
TRIM69	ENSG00000185880.12	3.367823294	4.039590417	5.622661638
CD3EAP	ENSG00000117877.10	4.718924647	3.32435539	3.783781286
FBXL18	ENSG00000155034.18	4.850441257	4.41248428	3.400686413
FAM214A	ENSG00000047346.12	4.50276435	4.213490701	4.394172511
ZNF444	ENSG00000167685.14	4.137335191	3.750135681	3.731287346
COQ10A	ENSG00000135469.13	4.338837655	4.235679824	3.843168577
MYNN	ENSG00000085274.15	3.383125212	3.58658825	3.752011048
AHCYL2	ENSG00000158467.16	3.526344569	5.298168527	5.23012507
SGO1	ENSG00000129810.14	4.861942656	4.258205238	3.326729375
FAM102B	ENSG00000162636.15	3.312855516	4.385049306	3.918455292
TBP	ENSG00000112592.13	4.726371658	3.620993203	3.345225141
UBQLN2	ENSG00000188021.8	5.224567064	5.069267859	5.344921594
ZNF195	ENSG00000005801.16	4.617698359	4.628509119	3.687980733
TGFB1I1	ENSG00000140682.18	4.806798085	3.395620056	4.856034099
STX17	ENSG00000136874.10	4.274161743	4.112358703	3.6363786
TSSC4	ENSG00000184281.14	4.642866371	5.203217753	4.448176409
DDX28	ENSG00000182810.6	4.635668398	3.593363167	3.387784496
EXOC6B	ENSG00000144036.15	3.335715269	4.899281549	4.279838716
PALLD	ENSG00000129116.17	3.514419155	4.86683225	5.081167482
ABHD4	ENSG00000100439.10	3.303263592	3.812798937	4.911901919
CCZ1	ENSG00000122674.11	5.189027277	5.595450244	4.580710856
MPP6	ENSG00000105926.15	4.375191738	4.129775831	3.861112494
CLIP2	ENSG00000106665.15	3.761682509	5.105933466	4.087578689
AC018638.2	ENSG00000230715.3	3.526759136	5.071338188	4.832319435
STARD10	ENSG00000214530.8	3.468116952	4.614970744	5.015585924
LLPH	ENSG00000139233.6	4.485699706	4.039006205	3.511276581

CHKB	ENSG00000100288.19	3.50455715	4.671112537	5.059277427
BTAF1	ENSG00000095564.13	4.940284133	4.522717533	4.414059242
TOR1AIP1	ENSG00000143337.18	4.396985535	4.924842173	4.165491895
AP1G2	ENSG00000213983.11	3.542471978	4.068798232	5.536457737
BORA	ENSG00000136122.15	4.236716773	3.339746617	3.313124196
C18orf21	ENSG00000141428.16	3.852706891	4.324231302	4.126613395
PLGRKT	ENSG00000107020.9	5.081306867	4.345193585	5.10957357
HCG18	ENSG00000231074.8	4.693534358	4.147347627	4.718717149
ZNF700	ENSG00000196757.7	4.185733316	3.56767084	4.246369864
SLC25A26	ENSG00000144741.17	4.165418342	4.233522967	4.406821184
ERBB3	ENSG00000065361.14	8.203852917	6.629393251	5.349050107
POLM	ENSG00000122678.16	4.096061047	4.497222252	3.710204095
ZFYVE9	ENSG00000157077.14	4.384749083	4.677588228	4.314639651
NTPCR	ENSG00000135778.11	4.517749059	3.531995362	4.857839571
SKA3	ENSG00000165480.15	4.985303549	3.301650029	3.517139566
CUL9	ENSG00000112659.13	3.91741796	4.576385248	4.19024283
DYRK4	ENSG00000010219.13	3.788567006	4.173624657	5.632977962
ARRB2	ENSG00000141480.17	5.386783664	3.555045438	4.959087315
BMT2	ENSG00000164603.11	3.317478403	3.676392994	3.427320705
SLC38A9	ENSG00000177058.11	4.920989896	3.642848352	3.35639486
SIRT3	ENSG00000142082.14	3.871532802	3.975750664	3.832902568
C10orf76	ENSG00000120029.12	4.616777935	3.919228875	4.752474531
SPTLC2	ENSG00000100596.6	4.256054628	3.366209709	5.136593704
ZNF587	ENSG00000198466.11	4.57134873	3.575702398	4.098746334
TNS2	ENSG00000111077.17	5.777169623	3.474513012	3.414156956
KPTN	ENSG00000118162.13	4.774071551	3.310021641	3.549737481
RFX1	ENSG00000132005.8	4.526557517	4.088283044	3.665343612
CCL28	ENSG00000151882.11	3.918235125	4.467766567	3.259347603
PIGO	ENSG00000165282.13	4.999850773	3.633941046	3.340741498
PROSER3	ENSG00000167595.14	4.667088942	4.310789216	3.735730142
DECR2	ENSG00000242612.6	3.913652152	4.644793492	3.330477274
ITGA3	ENSG00000005884.17	7.491731699	5.162477271	4.591103403
BANP	ENSG00000172530.20	4.462823589	4.154128305	4.686156375
ISY1	ENSG00000240682.9	6.504612954	5.457623089	3.847701409
SLC5A3	ENSG00000198743.6	6.348091894	3.320275078	5.993902714
PDP2	ENSG00000172840.6	4.763977763	3.97692273	4.485318729
RAP2B	ENSG00000181467.4	3.267777047	5.8983289	5.166304297
EMP2	ENSG00000213853.9	6.879636151	4.710984419	3.2131267
C6orf136	ENSG00000204564.11	3.926962764	3.790536931	4.759000997
PHC1	ENSG00000111752.10	4.926531852	4.997210365	5.551146413
TLE1	ENSG00000196781.14	5.064085394	6.205849535	3.354371852
METTL4	ENSG00000101574.14	3.713540141	4.429829672	3.963185214
CNNM3	ENSG00000168763.15	3.694161918	3.544235524	4.820881501
SCOC	ENSG00000153130.17	6.21647829	5.977352181	7.013590812
ZNF576	ENSG00000124444.15	4.050912884	3.43887165	3.827605115
CAMK2D	ENSG00000145349.16	4.406791002	3.513085196	5.207044056

PODXL2	ENSG00000114631.10	4.326892148	6.941315293	3.486327747
HSF4	ENSG00000102878.16	3.397625378	4.217392978	5.392361932
PSRC1	ENSG00000134222.16	4.654591141	4.821038252	3.325163709
ZHX1	ENSG00000165156.14	4.42906427	3.721505614	3.908034851
RPUSD2	ENSG00000166133.17	4.716242709	4.600237214	3.730338878
PIM2	ENSG00000102096.9	4.898324404	4.281227369	3.894800286
ANKRD46	ENSG00000186106.11	3.778474629	3.562661277	3.635592908
SRD5A3	ENSG00000128039.10	3.607342499	3.211938309	3.742393765
SLC35C1	ENSG00000181830.8	4.40064354	4.747257611	4.549875221
RNF8	ENSG00000112130.16	4.114195976	4.370339359	4.688259613
AGTPBP1	ENSG00000135049.15	4.005706956	5.054068419	3.693874012
HIP1R	ENSG00000130787.13	4.293542011	4.370110722	6.78168233
MOK	ENSG00000080823.22	7.33205645	4.550138541	3.356582356
TINF2	ENSG00000092330.15	3.913451261	3.629843594	3.739209639
PPP2R5B	ENSG00000068971.13	3.800398396	3.917300322	4.55875496
PDLIM3	ENSG00000154553.13	4.283008895	4.766708941	4.250518219
MSH5	ENSG00000204410.14	4.431545886	4.95609389	3.983701758
RAB3IL1	ENSG00000167994.11	3.551681873	4.316598737	4.545637525
SERTAD3	ENSG00000167565.12	4.37917909	4.650026293	3.682170301
CLP1	ENSG00000172409.5	4.867437253	3.76712351	3.423701675
TRIM3	ENSG00000110171.19	3.424137498	4.66331741	3.871010442
KLHL36	ENSG00000135686.12	4.244724512	4.822812062	5.913906525
MAP3K6	ENSG00000142733.14	4.099042257	3.991703189	3.486693281
D2HGDH	ENSG00000180902.17	3.761895207	3.534404225	3.47897876
CNEP1R1	ENSG00000205423.11	3.781803972	4.252617764	4.178529813
ERRFI1	ENSG00000116285.12	7.697799335	3.668957409	5.822861231
DNPH1	ENSG00000112667.12	5.175645274	5.055771482	3.439840207
OIP5	ENSG00000104147.8	4.976464677	3.640406129	3.393766019
SOCS4	ENSG00000180008.8	4.366428955	4.189103851	4.157560419
SLFN5	ENSG00000166750.9	4.448580201	3.212242136	5.232870151
TRMT11	ENSG00000066651.18	4.739436118	3.812854835	3.711385385
MED31	ENSG00000108590.10	4.633969282	3.451213406	3.197349354
COMMD5	ENSG00000170619.9	5.618576287	3.818638998	4.555886046
SGSH	ENSG00000181523.12	4.308066399	4.766600052	4.517325424
FAM193A	ENSG00000125386.15	3.578015795	3.284260829	5.338322514
DUSP22	ENSG00000112679.14	3.741446628	3.983257324	4.277920499
DHRX	ENSG00000169084.13	3.303066864	3.392021675	5.053504296
CENPE	ENSG00000138778.11	5.054130386	3.480320426	3.387830512
SIPA1L2	ENSG00000116991.10	4.588521535	3.387900621	4.785512008
AC004656.1	ENSG00000260822.1	3.338471264	3.481413319	5.354490657
LINC00662	ENSG00000261824.6	4.750775659	4.929843919	5.417278011
CENPBD1P1	ENSG00000213753.10	5.227115155	4.29794384	4.692207206
PIBF1	ENSG00000083535.15	5.152711895	3.526802368	3.844560958
MIR621	ENSG00000207652.1	5.801324067	4.5749059	3.657023405
CRAMP1	ENSG00000007545.15	4.175153834	3.504827905	3.742763101
MTCO3P12	ENSG00000198744.5	3.211079774	4.452381525	11.29551669

BLOC1S5	ENSG00000188428.19	3.674170389	3.288934073	4.16584445
PTPRK	ENSG00000152894.14	4.308526001	4.330850336	3.462619404
HOTAIRM1_4	ENSG00000274396.1	3.346845104	4.624154321	4.24476075
ZNF148	ENSG00000163848.19	4.198994128	4.171717113	4.116320244
CEP152	ENSG00000103995.13	4.306527367	4.206859442	3.374470294
KLHDC8B	ENSG00000185909.14	3.241587337	4.377930627	3.217784635
ATP11A	ENSG00000068650.18	5.054537245	5.714723602	6.296529527
FBXO5	ENSG00000112029.9	5.476272688	3.782013129	3.34762605
MXI1	ENSG00000119950.20	5.506954922	5.834357161	5.642757342
ZMIZ1	ENSG00000108175.16	6.008876489	5.053836237	4.815982007
PFKFB2	ENSG00000123836.14	3.396453285	3.992613206	4.336902211
DYNC2H1	ENSG00000187240.13	4.594948608	3.446669287	3.970284568
ANGEL1	ENSG00000013523.9	3.477069753	3.451263869	5.356953418
NRSN2	ENSG00000125841.12	4.467134807	4.891336178	3.579697316
C2orf49	ENSG00000135974.9	3.9108989	4.240728663	3.206206359
UBR2	ENSG00000024048.10	4.149844299	4.173111248	4.264999006
TRIM35	ENSG00000104228.12	3.933295077	4.041829955	3.978241421
MYD88	ENSG00000172936.12	4.34340047	5.163524515	3.965187652
ZNF830	ENSG00000198783.5	4.3992179	4.359811533	4.276803924
BX890604.1	ENSG00000205664.10	5.05428133	4.008270024	3.469463235
GID4	ENSG00000141034.9	4.714117666	3.58595795	3.806587635
PRMT6	ENSG00000198890.7	5.689496231	4.112408932	3.294882014
OSBPL6	ENSG00000079156.16	4.251997753	3.590228027	4.786845892
SCML1	ENSG00000047634.14	3.726415821	3.373475893	4.636094629
ZNF426	ENSG00000130818.11	3.305803384	3.827252831	3.350992417
TTC26	ENSG00000105948.13	4.535309742	3.797942294	3.403551997
KIAA0895L	ENSG00000196123.12	4.181088683	3.410138661	3.923090168
HOOK2	ENSG00000095066.11	3.781890012	4.122010658	3.784129025
IFT122	ENSG00000163913.11	4.32140922	3.709746778	3.326015007
URB2	ENSG00000135763.9	5.238671884	3.343951398	3.344013298
PINX1	ENSG00000254093.8	4.252751246	3.445064894	5.979551598
INSIG2	ENSG00000125629.14	3.208966026	4.572941575	5.305098731
MIER2	ENSG00000105556.11	4.31463904	4.100196752	3.435925892
PARP3	ENSG00000041880.14	4.273011018	4.482780744	3.862426138
TSPAN9	ENSG00000011105.12	3.297208688	4.993327279	5.499084555
MMAB	ENSG00000139428.11	4.228031857	3.797643564	3.354016753
LRR57	ENSG00000180979.9	4.522059546	4.839288462	4.530693408
TRAF5	ENSG00000082512.14	4.268302925	3.32079627	4.259496527
DUS4L	ENSG00000105865.10	3.816786843	4.581807434	3.944264808
GAB2	ENSG00000033327.12	3.259795853	5.424891609	7.636836838
AP5M1	ENSG00000053770.11	3.249289632	3.95371518	4.179900228
C2orf42	ENSG00000115998.7	3.882498737	3.870888912	3.259172479
GTPBP8	ENSG00000163607.15	4.275116111	3.854210549	3.813507389
EMC9	ENSG00000100908.13	4.561578318	3.210482018	3.326130578
ZNF219	ENSG00000165804.15	3.231299606	3.925683253	4.030662743
STMN3	ENSG00000197457.9	3.301918339	5.185584264	6.190125131

FNIP2	ENSG00000052795.12	3.212738674	5.016802004	6.16777633
ANKS3	ENSG00000168096.14	3.73448002	3.393847762	3.665689999
PICK1	ENSG00000100151.15	4.65657302	5.025314111	5.227871087
ITPR1	ENSG00000150995.18	3.316984033	4.373860319	4.618979769
POC5	ENSG00000152359.14	4.833125984	3.897003517	3.32915643
DBF4	ENSG00000006634.7	4.177109919	3.816279598	3.298395216
RBM7	ENSG00000076053.10	4.623722679	3.484596274	4.017249546
WASH3P	ENSG00000185596.16	3.431078061	3.887820426	4.792673841
C1orf159	ENSG00000131591.17	4.271812283	4.428739244	3.920930192
RBM12	ENSG00000244462.7	4.335015553	3.461766039	3.971670545
TBCCD1	ENSG00000113838.12	3.681966955	3.561360544	3.432867009
SLC25A29	ENSG00000197119.12	5.252132026	6.029677848	3.353362208
ELMOD3	ENSG00000115459.17	3.358935388	3.995467484	3.931771665
UBXN2B	ENSG00000215114.8	4.90261396	4.500135559	4.961694843
ZNF92	ENSG00000146757.13	4.524350555	4.041828332	3.235625243
TMEM206	ENSG00000065600.12	4.34826178	3.396505206	4.029869558
INPP1	ENSG00000151689.12	3.7978145	3.834437387	5.03605909
OR7E38P	ENSG00000183444.10	4.701333645	4.52881799	3.389751527
AC012313.1	ENSG00000232098.3	4.937731446	3.831653081	3.709809462
E2F3	ENSG00000112242.14	4.297297361	3.861868348	3.511453094
NFIL3	ENSG00000165030.3	3.583496083	5.585167237	4.336096245
UQCC3	ENSG00000204922.4	3.547317444	3.179093226	3.623366348
TMEM38B	ENSG00000095209.11	4.101570927	5.222373967	3.700437618
SH3TC2	ENSG00000169247.11	4.669303764	3.642510941	3.927351559
FGD1	ENSG00000102302.7	3.231959279	5.045247247	4.941675157
S100A6	ENSG00000197956.9	11.195387	8.922809298	6.918212683
SOCS6	ENSG00000170677.5	4.321681532	4.669819739	4.337950287
TCHP	ENSG00000139437.17	4.640023793	4.188006232	3.265836395
LINC01089	ENSG00000212694.8	4.737276631	3.590944066	4.057251163
LPCAT1	ENSG00000153395.9	5.956914533	5.347249664	3.371302037
FEM1A	ENSG00000141965.4	4.876783658	3.964478319	3.671153334
RNASEH1-AS1	ENSG00000234171.2	5.146791261	3.260540374	3.988243917
RANBP6	ENSG00000137040.9	5.547580576	3.881077187	3.336236734
HAUS3	ENSG00000214367.7	3.414968395	3.214448409	4.956581837
MIER1	ENSG00000198160.14	4.876223705	4.166610459	3.849645496
KCTD13	ENSG00000174943.9	4.341620422	4.046720583	4.161603805
CLSPN	ENSG00000092853.13	5.8572453	4.417680431	3.306477516
ZNF367	ENSG00000165244.6	4.735402964	4.23177913	3.389524119
CENPA	ENSG00000115163.14	4.981549005	4.255151264	3.215929696
FAM13A	ENSG00000138640.14	3.655357151	3.67577356	4.835545662
CAP2	ENSG00000112186.11	3.2838463	4.7954611	4.163125968
ARID4A	ENSG00000032219.18	3.314490831	3.337559214	4.018037756
CROCC	ENSG00000058453.16	3.25265735	3.890910293	4.120851267
NIPA1	ENSG00000170113.15	3.943181647	4.874472133	4.819719476
TRIQK	ENSG00000205133.11	3.516176455	4.79970824	5.345310948
OAS3	ENSG00000111331.12	5.238573832	4.171685074	3.191623405

ACVR1B	ENSG00000135503.12	4.297547028	3.951144853	4.196912851
ANKRD44	ENSG00000065413.18	3.189041334	4.91393454	5.641300973
FBXW7	ENSG00000109670.13	3.492397594	3.276259898	4.073839753
SIGIRR	ENSG00000185187.12	4.158707435	4.200944052	4.062367623
USP46	ENSG00000109189.12	3.457269134	3.833355088	5.004570859
RRP15	ENSG00000067533.5	4.609055743	3.17114275	4.046092873
PSMB9	ENSG00000240065.7	5.082556654	5.300839695	3.176402443
RABGAP1L	ENSG00000152061.23	3.802195351	3.799314383	4.338935203
NUFIP1	ENSG00000083635.7	4.375368789	3.185946277	3.500879224
CEP78	ENSG00000148019.12	4.741851989	4.487795333	3.165848228
YOD1	ENSG00000180667.10	3.796792309	3.627668586	3.200864335
RND3	ENSG00000115963.13	6.40200627	5.907097864	3.179964883
GK5	ENSG00000175066.15	3.495977039	4.19035042	3.376665028
WDR59	ENSG00000103091.14	4.201756556	4.714453788	4.232623706
LRBA	ENSG00000198589.10	3.146778318	4.565081214	5.071525135
APBA2	ENSG00000034053.14	4.989192637	5.126563751	5.27896295
LARP1B	ENSG00000138709.17	4.376325544	3.379017189	4.188315173
ZNF579	ENSG00000218891.4	4.066636498	3.60262219	4.338288579
AC068768.1	ENSG00000235423.8	5.448047239	5.50101807	3.207793107
HIST3H2A	ENSG00000181218.5	4.322126925	3.350094661	3.291977481
MFSD3	ENSG00000167700.8	4.394039903	4.219851118	3.290621293
C1orf131	ENSG00000143633.12	5.612838166	3.24928358	3.522792244
MARCH9	ENSG00000139266.5	4.828264569	4.801955172	7.344482082
CCNE1	ENSG00000105173.13	4.728705671	5.386097735	3.418208722
SERINC5	ENSG00000164300.16	3.135688731	6.527302459	6.418855052
DIP2C	ENSG00000151240.16	3.20923192	4.53757902	5.137918507
PDLIM2	ENSG00000120913.23	4.315659081	4.084025521	3.832150451
GSTA4	ENSG00000170899.10	3.97138238	3.513627085	4.083838874
R3HDM2	ENSG00000179912.20	5.478395983	4.794581015	4.644046872
SVIP	ENSG00000198168.8	3.976391494	4.462824464	5.279657097
RNF103	ENSG00000239305.6	4.034500118	4.126199589	4.338351852
PRKCE	ENSG00000171132.13	3.126551368	4.635037464	4.500157621
TICAM1	ENSG00000127666.9	4.339677684	4.952737644	4.581456569
TADA1	ENSG00000152382.5	4.839454808	3.652172044	3.298183141
PEX6	ENSG00000124587.13	4.603994168	3.921222237	3.891166927
CMTR2	ENSG00000180917.17	4.357788833	4.234239001	4.280632247
KLC4	ENSG00000137171.14	3.715103415	3.946978078	4.581441338
NIPSNAP1	ENSG00000184117.11	4.41139494	5.651223618	3.753988472
TATDN2	ENSG00000157014.10	4.709899257	4.628406236	4.245818403
GPSM2	ENSG00000121957.12	4.9697849	4.490619784	3.376697013
LINS1	ENSG00000140471.16	3.410557941	4.434544558	3.808938931
IFIT3	ENSG00000119917.13	4.577552219	3.111558076	3.99138122
CEP295	ENSG00000166004.14	3.865851997	3.187875401	3.249524583
SLC17A5	ENSG00000119899.12	3.17714808	6.18288431	4.187419041
DCP1B	ENSG00000151065.13	3.666370764	3.781221885	4.999561323
ERCC4	ENSG00000175595.14	4.095334185	3.753454654	3.377883089

CAAP1	ENSG00000120159.11	5.58423698	3.894625198	4.158278204
C7orf43	ENSG00000146826.16	4.501306335	4.707402692	3.506378044
KRBA1	ENSG00000133619.17	3.686228869	3.938875968	4.301977897
FIG4	ENSG00000112367.10	3.207684206	4.287564108	4.708660654
EIF4ENIF1	ENSG00000184708.17	3.860843615	4.249443986	4.264619623
DNAJC25	ENSG00000059769.19	3.658002913	4.919666954	3.444972073
RNF146	ENSG00000118518.15	3.755974022	3.787078862	3.930992814
ABCA5	ENSG00000154265.15	3.250369413	3.608569876	5.028934896
CBWD1	ENSG00000172785.18	5.288959841	3.172670319	4.025868403
TMEM50B	ENSG00000142188.16	3.867939347	3.539895415	3.830801688
FRS2	ENSG00000166225.8	4.239244292	4.027655419	4.546337541
WDR27	ENSG00000184465.15	5.027946876	4.867269368	3.265751903
TDG	ENSG00000139372.14	5.23419022	4.049709366	3.383215373
CEP97	ENSG00000182504.10	3.763571296	3.518344034	3.150691095
FBXO3	ENSG00000110429.13	4.643537695	4.816286743	4.902111524
CXXC5	ENSG00000171604.11	4.58525681	3.581501092	3.493197161
PRKD1	ENSG00000184304.14	4.272369382	3.54126996	4.194933524
ATP1B1	ENSG00000143153.12	6.513391551	3.530587606	7.223400207
ARHGAP11B	ENSG00000187951.10	4.067276572	3.741499538	3.171392166
PGPEP1	ENSG00000130517.13	4.572089147	5.218756183	5.293088907
INIP	ENSG00000148153.13	4.605246726	4.574279454	3.229000702
TRAPPC2	ENSG00000196459.13	3.793944076	3.567689968	3.529402178
NAA25	ENSG00000111300.9	5.099038952	4.692349498	3.175326229
FAM92A	ENSG00000188343.12	5.249803921	5.262238552	4.232772713
AL049840.4	ENSG00000269958.1	4.00982074	4.23985212	3.15669051
PIGP	ENSG00000185808.13	4.012437262	4.190433795	3.986450904
CPSF2	ENSG00000165934.12	4.666639195	4.733345696	3.203146351
TAF3	ENSG00000165632.7	3.625727849	3.446617272	3.427392223
PACS2	ENSG00000179364.13	3.732297283	4.528914507	3.567972707
PLK3	ENSG00000173846.12	3.493044963	5.363424611	5.065591156
ALDH16A1	ENSG00000161618.9	5.778727011	4.630721014	3.300684229
NECAP1	ENSG00000089818.17	3.607967081	3.954982468	4.359198853
ATG14	ENSG00000126775.8	3.143788159	3.551007139	4.051253403
CCDC66	ENSG00000180376.16	4.128331785	3.847314889	3.18664678
CFLAR	ENSG00000003402.19	3.500787248	4.661472401	4.55492519
VCPIP1	ENSG00000175073.7	3.95409263	3.648482605	3.483530944
ZFP41	ENSG00000181638.17	3.280391959	3.801026512	3.534144847
DDA1	ENSG00000130311.10	5.941689901	4.904531772	4.417136076
ERMP1	ENSG00000099219.13	4.002921986	5.422780982	4.86512908
LZTFL1	ENSG00000163818.16	4.240206536	4.31145554	3.952101261
EXOSC3	ENSG00000107371.12	6.176715173	4.956264512	3.369599516
MT-TP	ENSG00000210196.2	4.744937766	6.196394559	3.63706223
RASSF1	ENSG00000068028.17	4.099095563	3.899434952	3.498086847
TTC32	ENSG00000183891.5	4.421608009	3.520680721	3.4324521
KIAA1522	ENSG00000162522.10	3.191501428	4.603746439	4.904253539
ZNF480	ENSG00000198464.13	3.663752888	3.484606101	3.540295379

C4orf46	ENSG00000205208.4	3.897443433	3.643481296	3.133714404
ZNF780A	ENSG00000197782.14	3.753278828	4.108623004	3.474761944
PISD	ENSG00000241878.11	4.506622958	5.753912798	4.847098928
AFF1	ENSG00000172493.20	3.445690411	4.965399298	4.636476584
C11orf54	ENSG00000182919.14	3.939739077	3.447434186	4.610784254
NR1D1	ENSG00000126368.5	4.84378139	4.392736446	6.040397899
FAM174A	ENSG00000174132.8	4.347206684	4.069146842	4.709068782
ZFP36	ENSG00000128016.5	4.84793562	4.767401947	3.329453195
ENDOG	ENSG00000167136.6	5.004595779	4.196699511	3.290852326
ZNF687	ENSG00000143373.17	4.592296044	4.635783875	4.044354543
GTF2IRD2B	ENSG00000174428.16	3.640443139	3.599866624	3.166780481
RAD51D	ENSG00000185379.20	3.432922434	3.529599004	3.871294851
PTPRM	ENSG00000173482.16	3.203122887	6.864296792	5.301864929
CHFR	ENSG00000072609.17	4.514321934	4.343794029	3.112741712
TXNL4B	ENSG00000140830.8	5.125097642	3.718611294	4.051434879
CAPRIN2	ENSG00000110888.17	4.098950371	4.184065325	3.258988138
SAPCD2	ENSG00000186193.8	4.846851622	3.106901487	3.611813072
LYPLAL1	ENSG00000143353.11	4.373982369	3.851115891	4.638622509
ANKS6	ENSG00000165138.17	4.479716047	4.690839962	3.314048311
PORCN	ENSG00000102312.21	4.54896739	3.928272813	3.678405325
HIST1H2BK	ENSG00000197903.7	4.418818235	7.255443183	3.175334031
ARSK	ENSG00000164291.16	3.85323311	3.115923703	3.298486399
SNAPC4	ENSG00000165684.4	4.622597538	4.641475139	4.294701162
SPICE1	ENSG00000163611.11	4.242106806	3.660620628	3.705869418
KIAA0586	ENSG00000100578.14	5.040466941	3.418360749	4.43452323
GIN53	ENSG00000181938.13	5.146134549	3.262447786	3.104969043
SH3BP5L	ENSG00000175137.10	4.907645909	3.751794908	3.723253269
STX1A	ENSG00000106089.11	5.803793075	4.067311812	3.217164597
CDC25A	ENSG00000164045.11	5.678810891	4.292903768	3.159138775
CLUAP1	ENSG00000103351.12	4.284573326	3.643902773	4.185743819
VPS13A	ENSG00000197969.11	3.753360195	5.56954741	4.086999679
BCL2A1	ENSG00000140379.7	3.583636816	7.123265953	8.474811582
CDKAL1	ENSG00000145996.11	3.785357826	3.592925785	9.106810743
ANKRD12	ENSG00000101745.16	3.150642837	4.333612274	4.01611315
AC026366.1	ENSG00000240342.3	4.927503786	3.796524534	3.282171504
BMPR2	ENSG00000204217.13	3.715947306	6.233563973	7.989007066
C12orf43	ENSG00000157895.11	4.318291424	3.839185832	4.318955241
SLC35B3	ENSG00000124786.9	3.1723227	4.871472899	4.686523437
DCAF17	ENSG00000115827.13	3.095126802	3.988609981	4.158590454
SNORA4	ENSG00000263776.1	4.254420187	4.376637343	3.383954161
ZNF714	ENSG00000160352.15	4.016797721	3.253437948	3.540515253
MAPK7	ENSG00000166484.19	3.633404149	3.766368631	3.247774203
FCHO2	ENSG00000157107.13	3.72458758	3.142071924	3.304300985
TPRN	ENSG00000176058.11	4.536577599	4.817375387	3.455570632
SNIP1	ENSG00000163877.10	4.277649368	3.426615451	3.137741836
DUS2	ENSG00000167264.17	4.620668341	3.118903188	3.549170598

IPP	ENSG00000197429.10	3.91394001	4.014636573	3.794831929
CCDC117	ENSG00000159873.9	4.58022824	4.150704966	4.098547629
ANKRA2	ENSG00000164331.9	3.881736938	3.354076319	4.482257019
RFT1	ENSG00000163933.9	4.621742425	4.534009993	3.161694773
BRWD3	ENSG00000165288.10	4.154129975	4.163285838	3.370554863
WAC-AS1	ENSG00000254635.5	4.625694772	4.115489619	4.542763673
RREB1	ENSG00000124782.19	3.715354164	4.418167641	4.294926773
FUT8	ENSG00000033170.16	5.54738477	3.365832141	4.700450381
ZFYVE26	ENSG00000072121.15	3.121455746	4.314355117	4.539364903
FRMD5	ENSG00000171877.20	4.051099849	4.314206994	4.961038632
SLC27A1	ENSG00000130304.16	4.178506416	5.705959044	5.582134284
HIVEP2	ENSG00000010818.9	3.456035082	3.781005035	3.387108557
AIG1	ENSG00000146416.17	3.967788366	3.446472957	3.66805354
METTL21A	ENSG00000144401.14	3.560920022	4.595698601	3.268945018
PIK3CD	ENSG00000171608.15	3.977516357	6.163718143	5.64621321
STIM1	ENSG00000167323.11	3.160916116	4.849227895	5.413824715
TMEM263	ENSG00000151135.9	4.05683165	4.732700329	4.956068232
MED22	ENSG00000148297.15	5.024640401	5.216358492	3.825383683
AC018638.4	ENSG00000243302.3	3.233349242	4.719833564	4.399392999
ZNF587B	ENSG00000269343.6	5.127254795	3.438820125	3.791859163
PIMREG	ENSG00000129195.15	4.361746124	3.808491311	3.421118013
CDKN2C	ENSG00000123080.10	6.398651657	3.095924419	4.439606644
SIVA1	ENSG00000184990.12	5.884326182	5.784280245	3.195901618
INF2	ENSG00000203485.12	5.469186104	4.990684936	3.173720088
KLHL15	ENSG00000174010.9	3.759220925	3.180650779	3.373912888
BCKDHB	ENSG00000083123.14	3.47783682	3.895019194	3.963653746
TTC21B	ENSG00000123607.14	3.13880389	4.542381214	4.431045565
LYSMD2	ENSG00000140280.13	3.791944338	3.959393012	3.719419338
CHRNA5	ENSG00000169684.13	3.245067131	3.795073445	4.053270658
ARL13B	ENSG00000169379.15	4.282519753	4.093412635	3.236528955
RIDA	ENSG00000132541.10	4.816819147	4.58485513	3.236761438
ZNF717	ENSG00000227124.8	4.41216848	4.200475807	3.781152361
PMS2P1	ENSG00000078319.9	4.057210384	4.380618728	3.83698296
ELF2	ENSG00000109381.19	5.00830721	3.638710733	4.247883269
TUBGCP6	ENSG00000128159.11	3.953688212	4.881638923	4.96004492
BLM	ENSG00000197299.10	4.456524518	4.214687382	3.181371329
PLEKHA1	ENSG00000107679.14	4.488794663	3.989105914	3.452233756
LATS1	ENSG00000131023.12	4.486382339	3.534895881	3.695316384
PPCDC	ENSG00000138621.11	3.162305082	3.696175269	3.374951736
CASK	ENSG00000147044.20	4.050138003	3.341602073	4.751824677
USP37	ENSG00000135913.10	3.476076756	3.153268281	3.140516285
ZNF761	ENSG00000160336.14	3.414813556	3.531651992	3.142428918
EEF2KMT	ENSG00000118894.14	4.370381512	4.064917177	3.173837111
FDXR	ENSG00000161513.11	4.37055147	5.347870097	5.472756468
ANKRD10-IT1	ENSG00000229152.2	4.390958751	3.068698812	3.551215113
C22orf39	ENSG00000242259.8	3.319269563	3.535281294	4.295067315

LSM6	ENSG00000164167.10	5.05651342	3.55717492	3.62347625
SNN	ENSG00000184602.5	3.11557053	4.260631362	3.911949348
ZNF174	ENSG00000103343.12	3.979626148	3.700324517	3.551816674
WDR19	ENSG00000157796.17	4.519126653	3.814430954	6.133892525
DUSP1	ENSG00000120129.5	3.83724852	3.341320856	3.196969959
CCSAP	ENSG00000154429.10	4.588235081	3.166917203	3.618359214
AC087481.3	ENSG00000270015.1	3.311686442	3.617783687	3.650438942
GOLGA2P10	ENSG00000255769.7	4.162796784	3.184532112	5.4544114
TMEM161B-A	ENSG00000247828.7	4.399527433	4.258258002	5.004290604
CCDC174	ENSG00000154781.15	4.232477828	4.116898309	3.74828315
AC125257.1	ENSG00000259623.1	4.014490844	3.760280374	4.250899607
LMBR1L	ENSG00000139636.15	3.965209579	4.732823961	4.880406643
RUFY3	ENSG00000018189.12	3.202627388	5.30247836	6.278635651
UTRN	ENSG00000152818.18	5.075453835	4.70186963	3.780943641
SMPDL3A	ENSG00000172594.12	3.132434278	4.832575647	4.228028399
HIPK1	ENSG00000163349.21	3.850413126	4.163602124	4.26829132
MAP3K1	ENSG00000095015.5	3.938867987	4.266816952	5.199084241
KDELC1	ENSG00000134901.12	5.441165766	3.321962056	3.117429212
FBXO31	ENSG00000103264.17	4.185915553	4.357132733	4.76694317
CD83	ENSG00000112149.9	3.185483919	5.796564685	4.142897774
CEP76	ENSG00000101624.10	3.740177539	3.933655296	3.05558274
PAPD7	ENSG00000112941.13	4.898304899	4.221428562	3.295950968
CENPW	ENSG00000203760.8	5.50799683	4.53653171	3.534070991
ATG4A	ENSG00000101844.17	3.672753682	4.265035951	4.047517384
CDK19	ENSG00000155111.14	3.857617261	3.86208909	3.942981303
CERCAM	ENSG00000167123.18	5.855800124	7.12035025	3.091083545
MRM1	ENSG00000278619.4	4.614697686	4.353325143	4.250071493
ZC2HC1A	ENSG00000104427.11	3.544146135	3.605219289	4.736060608
PHKA2	ENSG00000044446.11	3.447960302	3.429783584	4.553791432
SLC12A7	ENSG00000113504.20	4.58240327	6.042303264	8.233806409
AC015922.4	ENSG00000276855.1	3.812535109	3.779939544	3.756477471
HIST1H1C	ENSG00000187837.3	4.368892574	6.187075466	3.601441348
ETNK2	ENSG00000143845.14	4.084677754	3.376562532	4.70459691
AC009948.1	ENSG00000223960.6	3.693879887	4.217023333	5.0665842
SNX21	ENSG00000124104.18	5.110501074	3.823593826	4.703452342
GOLGA8B	ENSG00000215252.11	3.555146118	5.022096545	4.802181503
WDR92	ENSG00000243667.6	3.8680004	4.686584294	3.116394169
TRIM38	ENSG00000112343.10	3.075309885	3.847119966	4.156091904
MDM1	ENSG00000111554.14	3.605375068	3.479897081	3.430565991
MINDY1	ENSG00000143409.15	4.320405964	3.5653292	3.865553908
HSPB8	ENSG00000152137.6	3.383816407	6.18863199	6.706813413
MTMR10	ENSG00000166912.16	3.573210769	3.91037108	3.279148758
FAM120B	ENSG00000112584.13	4.377858948	4.181556512	3.274875958
TRMT5	ENSG00000126814.6	3.625194804	3.126772226	3.35233923
DUXAP8	ENSG00000206195.10	3.933138746	3.822738577	3.525051885
EYA3	ENSG00000158161.15	5.104619258	5.05300963	4.186195573

CRY1	ENSG00000008405.11	4.148396947	4.416357178	3.1003893
GPATCH2L	ENSG000000089916.17	3.552638354	3.662031016	4.199567355
CROT	ENSG000000005469.11	3.28709786	5.004579397	3.870613604
GPATCH1	ENSG000000076650.6	3.85760264	3.337956617	3.106515625
CBL	ENSG000000110395.6	4.571661042	4.451887063	5.074747794
PIK3R3	ENSG000000117461.14	4.158500287	3.578226171	3.135788157
TMEM241	ENSG000000134490.13	3.540025482	4.581816304	3.543560532
OAF	ENSG000000184232.8	8.064314373	5.957326201	3.089553403
MIS12	ENSG000000167842.15	5.556363557	3.816889847	3.674404956
LAMA5	ENSG000000130702.15	4.205243793	3.08098973	4.083174338
SEC22A	ENSG000000121542.11	3.624482709	3.950493102	3.584897539
C8orf58	ENSG000000241852.9	4.379131809	3.472365653	3.13830131
USP38	ENSG000000170185.9	3.944842244	3.234795129	3.63330947
RABEP2	ENSG000000177548.12	4.359326126	3.264129547	4.294926784
CYB561	ENSG000000008283.15	5.380746555	3.160560525	3.820499119
SLC33A1	ENSG000000169359.13	3.870250604	4.361276973	4.016001933
WDR62	ENSG000000075702.16	4.674468144	3.812914355	3.089289253
EPC1	ENSG000000120616.15	3.958528871	3.285490855	3.905669411
TRIM23	ENSG000000113595.14	4.174135799	3.160751463	4.062889217
MCF2L	ENSG000000126217.20	5.229841587	6.97030021	4.960940197
TRIM21	ENSG000000132109.9	3.110609633	4.85226772	3.717047094
SLC19A2	ENSG000000117479.12	4.513811995	6.433885992	3.84912681
AKAP13	ENSG000000170776.21	4.473953667	4.926027381	4.875353184
PLEKHH3	ENSG000000068137.14	3.912486303	3.743310416	3.485927297
CENPBD1	ENSG000000177946.5	4.267627755	3.729755756	3.142806206
KIAA0232	ENSG000000170871.11	4.121041875	3.244681284	5.647762023
TNC	ENSG000000041982.15	8.922120483	6.423400438	5.73833403
BMP2K	ENSG000000138756.17	3.054000893	4.216753151	3.723821102
FYCO1	ENSG000000163820.14	3.102387188	5.247775711	4.472348304
RNF185	ENSG000000138942.15	3.082841311	4.085007431	4.047022021
OXNAD1	ENSG000000154814.13	4.135291672	4.771531871	3.394804445
SH3PXD2A	ENSG000000107957.16	6.183806002	4.131864187	3.581541619
STN1	ENSG000000107960.10	5.375698538	3.410235151	4.049276167
CEP72	ENSG000000112877.7	3.462120014	4.169809179	3.641782053
GTF3C4	ENSG000000125484.11	5.339202101	4.922677788	3.088785699
LINC01116	ENSG000000163364.9	3.427916981	4.855382869	4.985431015
HIRIP3	ENSG000000149929.15	5.191662145	3.220846383	4.014497077
C20orf96	ENSG000000196476.11	3.136239825	4.148675409	3.442303545
EHD1	ENSG000000110047.17	4.390555095	4.847454281	4.36455163
XRRRA1	ENSG000000166435.15	3.333228966	3.919134848	3.678131066
HYPK	ENSG000000242028.6	6.749891976	4.750681992	3.877043559
LPP	ENSG000000145012.13	3.41277118	4.019959561	4.327984931
ERI1	ENSG000000104626.14	4.050755589	3.058110109	3.844082942
DOLPP1	ENSG000000167130.17	5.144802314	4.740180549	3.170987388
CEP83	ENSG000000173588.14	4.044232781	4.062854018	3.097181732
NXT2	ENSG000000101888.11	3.429916366	6.960491315	3.68102244

PPP1R21	ENSG00000162869.15	3.482861646	4.333092652	3.818644881
ZBTB10	ENSG00000205189.11	3.865633683	3.852917053	4.312916774
ATE1	ENSG00000107669.17	5.018257186	4.005445191	4.153142352
INAFM2	ENSG00000259330.2	4.606354115	4.823920008	3.119893084
MED30	ENSG00000164758.7	4.878877473	3.890703849	3.136713657
AGO4	ENSG00000134698.10	3.178182296	3.593781425	3.481245964
ZNF200	ENSG00000010539.11	4.642515925	4.016388123	3.067851643
MAFF	ENSG00000185022.11	3.978644079	5.547446394	5.989129573
SPRTN	ENSG00000010072.15	4.367633965	3.245766437	3.353871373
MED20	ENSG00000124641.15	4.060403306	3.369909883	3.907210722
APBB3	ENSG00000113108.19	4.174752051	3.062604368	3.934769034
AP4E1	ENSG00000081014.10	3.919027756	4.004787814	3.670678511
RRNAD1	ENSG00000143303.11	4.838936075	4.295143711	3.107675603
WASH2P	ENSG00000146556.14	3.73289405	3.265347243	4.01273527
PLA2G6	ENSG00000184381.18	4.090980828	5.393921055	7.520382304
NKIRAS1	ENSG00000197885.10	4.303154196	4.137785015	3.616654817
ERC1	ENSG00000082805.19	4.312261066	4.515550497	6.284895755
TSNARE1	ENSG00000171045.14	3.644541724	3.802715292	3.555412417
DOLK	ENSG00000175283.7	4.981300306	5.460803307	3.15994303
XRCC4	ENSG00000152422.15	4.232817468	3.909549122	4.614053499
TTC5	ENSG00000136319.11	3.407613523	3.394270945	3.302604313
WARS2	ENSG00000116874.11	4.27468075	3.054387094	3.767428348
KDM6A	ENSG00000147050.14	4.267583231	3.651638483	3.77087027
FRA10AC1	ENSG00000148690.11	4.405957358	3.674628671	3.225777572
RELT	ENSG00000054967.12	4.02831011	3.58864138	3.598887703
MTX1	ENSG00000173171.14	4.622769868	4.323893612	3.119255708
BBIP1	ENSG00000214413.7	4.548166668	3.180247288	4.526923397
EBAG9	ENSG00000147654.14	3.330478878	3.507494066	3.73031899
FAM149B1	ENSG00000138286.14	3.177285533	3.27990365	3.065475142
UBE2D4	ENSG00000078967.12	3.726179405	4.022636209	3.821300854
TSPAN13	ENSG00000106537.7	8.04895056	5.43575941	3.079157914
URM1	ENSG00000167118.10	5.847860642	5.389454076	3.097190845
ALKBH8	ENSG00000137760.14	5.44900817	3.130500003	4.391853569
CCDC28A	ENSG00000024862.17	4.797727052	3.876622032	3.237321759
TFAP4	ENSG00000090447.11	4.805869601	4.412345083	3.522440975
AC006064.4	ENSG00000269968.1	4.920396373	4.065662887	4.284190808
BRIP1	ENSG00000136492.8	3.987100405	3.176152014	3.936433847
DUSP16	ENSG00000111266.8	3.129619098	4.071335501	6.361846353
INPP5E	ENSG00000148384.12	3.896224481	4.729612917	4.977805753
ZNF789	ENSG00000198556.13	3.475133082	3.628369507	3.169436267
DUSP7	ENSG00000164086.9	5.137693013	4.350341926	3.088993
GFOD2	ENSG00000141098.12	4.498250696	3.042277679	4.386905707
BORCS7	ENSG00000166275.15	4.371582471	3.786497012	3.658468913
AGAP1	ENSG00000157985.18	4.254433092	3.99025715	4.977831107
H6PD	ENSG00000049239.12	4.384707469	4.024124213	3.601619736
WDR44	ENSG00000131725.13	3.848474352	3.689039116	3.348454627

MED23	ENSG00000112282.17	3.902622619	3.990804197	3.746135419
RBAK	ENSG00000146587.17	3.204972507	4.466526309	4.012376656
RWDD2B	ENSG00000156253.6	4.273379134	4.322082994	3.108388695
EME1	ENSG00000154920.14	4.32275376	3.593774041	3.223924502
REST	ENSG00000084093.16	4.840931248	3.655942123	3.895254989
FBXW8	ENSG00000174989.12	3.71861014	4.281398943	3.264277445
PURA	ENSG00000185129.5	4.350713307	3.065724256	4.01860965
TADA2B	ENSG00000173011.11	3.783034321	2.996476306	4.780983808
KIAA0753	ENSG00000198920.9	4.304906979	3.113860658	3.398871642
ACOX3	ENSG00000087008.15	4.04043697	3.468710551	5.063201323
ZNF462	ENSG00000148143.12	4.419809059	5.138491401	3.191372235
ELL	ENSG00000105656.12	4.270221973	3.748374919	4.01652691
GIN54	ENSG00000147536.11	3.752925242	3.824631678	3.30537378
TRIP11	ENSG00000100815.12	3.886861666	3.68513795	3.003266109
TPGS1	ENSG00000141933.9	4.658776878	4.762413869	3.320402593
TTC39C	ENSG00000168234.12	4.306892126	3.96458661	4.840896235
DENND4A	ENSG00000174485.15	4.29670152	3.806015596	4.392475345
TFDP2	ENSG00000114126.17	5.230724492	5.12710024	4.562301309
AKTIP	ENSG00000166971.16	4.202367667	3.301407759	4.842449885
MTUS1	ENSG00000129422.14	4.488607916	4.692893821	7.125930926
NCBP3	ENSG00000074356.16	4.411468084	3.098318986	3.752153446
C1orf112	ENSG00000000460.16	5.32097341	4.48793463	3.10487575
NAA40	ENSG00000110583.12	4.976660006	3.613432285	4.752443261
MORC4	ENSG00000133131.14	3.060457597	3.931060418	4.140972659
SNTB1	ENSG00000172164.13	5.984091884	3.198375569	7.2572985
VAMP4	ENSG00000117533.14	3.441507335	3.439554413	3.82111078
DNAJC16	ENSG00000116138.12	3.815531165	4.567814836	3.807405289
KAT14	ENSG00000149474.13	4.241450714	4.230040118	3.0427054
ESPL1	ENSG00000135476.11	5.518956524	3.913455825	3.047828785
ZNF408	ENSG00000175213.2	4.249167641	4.076919437	4.340229869
GDF11	ENSG00000135414.9	5.55688413	3.768532308	3.059931734
UNC13B	ENSG00000198722.14	4.100194291	3.945027547	3.546983708
ENTPD7	ENSG00000198018.6	4.067167568	4.310128252	2.983207323
CHD7	ENSG00000171316.11	4.237646386	4.539502401	4.357748449
ITGB3	ENSG00000259207.7	8.198649844	3.842168165	8.051532269
DEPDC1	ENSG00000024526.16	5.381082733	4.073422949	3.453711375
LRP11	ENSG00000120256.9	4.765136528	4.143484716	3.162984362
PIAS1	ENSG00000033800.13	4.094066611	4.199745502	4.145655031
ATP23	ENSG00000166896.7	3.460952385	3.044553488	4.066973719
CAPN5	ENSG00000149260.15	5.910091393	3.808066541	5.251279681
ARRDC1-AS1	ENSG00000203993.4	4.14575343	4.062612681	3.463016056
ZBTB14	ENSG00000198081.10	3.395808195	3.712467957	3.845227899
BLOC1S3	ENSG00000189114.6	3.246279208	3.508634952	4.445832157
FXN	ENSG00000165060.11	4.516241371	4.338043839	3.066075482
SOWAHC	ENSG00000198142.4	3.247026504	3.362640312	3.984990249
RAD52	ENSG00000002016.17	3.357280821	3.566525511	4.680977629

TTC23	ENSG00000103852.12	3.999828756	4.011295189	3.978581467
SLC48A1	ENSG00000211584.13	5.050656405	3.059862048	4.694040585
MAGEH1	ENSG00000187601.4	3.0572776	5.180522522	4.285779399
GADD45B	ENSG00000099860.8	3.325900269	4.730731007	3.747426376
SETDB2	ENSG00000136169.16	3.342682749	4.166900064	4.772776122
RBM41	ENSG00000089682.16	3.819148756	4.116396012	3.983036221
CREBRF	ENSG00000164463.12	3.375762894	3.521815294	4.10357592
SCFD2	ENSG00000184178.15	5.114576984	4.525315799	4.687583861
CDAN1	ENSG00000140326.12	3.650728278	3.404728271	3.15754833
PAAF1	ENSG00000175575.12	4.023383492	3.544951479	3.733568118
RMI1	ENSG00000178966.16	4.941194582	4.576174974	3.199787059
SCLT1	ENSG00000151466.11	3.965642057	3.062668288	4.045569208
FANCG	ENSG00000221829.9	5.40824144	3.949259835	3.199305236
RIN1	ENSG00000174791.10	4.817486397	3.583252456	3.77620048
AC008770.1	ENSG00000219665.8	5.044968545	3.233793867	3.515441674
FBXO25	ENSG00000147364.16	3.489392592	4.041795763	4.788560401
OGG1	ENSG00000114026.21	4.329028775	3.767517425	3.551703879
PLXND1	ENSG00000004399.12	4.870013008	4.829547996	5.484815795
ING1	ENSG00000153487.12	4.86664158	3.13740743	3.414843991
STAG3L5P-PV	ENSG00000272752.6	3.023793513	3.829139562	3.754330027
KLHL8	ENSG00000145332.13	4.299155863	3.175531797	3.873269618
INPP5A	ENSG00000068383.18	4.348056809	3.729956599	4.248477008
CASP9	ENSG00000132906.17	4.246278014	3.809601662	4.26931712
HSDL1	ENSG00000103160.11	4.489383228	4.516012789	5.98125584
ZNF202	ENSG00000166261.10	4.323958588	3.177254474	3.938161909
ALG12	ENSG00000182858.13	2.986718131	3.847404974	3.883330174
LINC00294	ENSG00000280798.1	4.078281061	3.250314623	4.779398232
ASPM	ENSG00000066279.17	6.014077617	3.650443569	3.03600976
RXRA	ENSG00000186350.9	3.816267659	4.231786823	2.993845516
C11orf57	ENSG00000150776.17	4.396071131	3.120018442	4.817026386
TMEM164	ENSG00000157600.11	3.829617564	4.626417389	4.895848399
FKBP7	ENSG00000079150.17	3.16429303	4.994388054	3.41514065
GPAM	ENSG00000119927.13	3.715342096	3.244229529	3.343082454
GON7	ENSG00000170270.4	5.315577018	4.410035374	3.076443094
HERC2P9	ENSG00000206149.10	3.230136607	3.801469435	3.69957704
PARP16	ENSG00000138617.14	3.635694389	3.341515361	4.373995675
ENTPD1-AS1	ENSG00000226688.6	4.636623021	3.030658299	3.080731213
C17orf51	ENSG00000212719.10	3.083641495	3.084588169	3.827940357
FPGT	ENSG00000254685.6	4.420157609	3.481544208	4.106860711
PIDD1	ENSG00000177595.17	3.712789175	3.939778448	3.950023007
XPA	ENSG00000136936.10	3.758001419	3.724383513	3.36619733
EVC	ENSG00000072840.12	3.64488443	3.086382174	7.681254569
SPP1	ENSG00000118785.13	4.258072654	6.74960179	6.088026031
TMEM168	ENSG00000146802.12	3.043410466	4.190894879	3.661425827
GPT2	ENSG00000166123.13	5.518884264	3.406830521	4.558037336
PDZD8	ENSG00000165650.11	5.021142748	3.548375539	4.442731178

NEU3	ENSG00000162139.9	3.512538321	3.990764222	4.233785133
WDR24	ENSG00000127580.15	4.250291913	3.755332526	3.785508301
NBPF9	ENSG00000269713.7	3.837134081	3.38513351	3.163711075
ZBTB24	ENSG00000112365.4	3.29299113	3.756938463	3.291463302
HIF1AN	ENSG00000166135.13	4.413160881	3.562203913	4.791507701
WRN	ENSG00000165392.9	3.195286804	3.728204579	3.461806955
PET117	ENSG00000232838.3	3.684665224	4.28008413	3.13429432
TMEM18	ENSG00000151353.14	3.999044126	3.762472254	3.076329748
RNF170	ENSG00000120925.15	3.027041851	3.912902023	4.737701297
DHRS4-AS1	ENSG00000215256.3	3.412506885	3.529976169	3.489571844
MAP2K6	ENSG00000108984.13	4.344889099	3.070839324	5.65557419
C21orf91	ENSG00000154642.10	3.09283713	4.853392805	6.867310932
FBXL12	ENSG00000127452.8	4.45807148	4.715381262	3.536334787
JMJD4	ENSG00000081692.12	4.165849464	3.777741368	3.190332475
NAT14	ENSG00000090971.4	5.054499364	3.391732145	4.696059032
CXorf40A	ENSG00000197620.10	3.466829292	3.615924252	3.826361321
TIRAP	ENSG00000150455.13	4.031421078	3.21547541	4.723169315
TRIM68	ENSG00000167333.12	2.988159233	3.877726574	4.038989045
DDAH2	ENSG00000213722.8	3.093746921	4.076160773	5.109575959
ANKRD26	ENSG00000107890.16	3.113324853	2.999864504	3.472353692
COX18	ENSG00000163626.16	3.439430794	3.685831926	3.675558566
ATP7A	ENSG00000165240.18	3.007377513	4.313348952	3.616504738
AC005261.2	ENSG00000268205.1	4.292575557	2.98618592	4.342854698
BICRA	ENSG00000063169.10	3.693666503	3.365242027	3.266032716
DBNDD1	ENSG00000003249.13	5.465367005	6.765409948	5.079487786
NP1PB5	ENSG00000243716.10	3.421737483	4.161553388	4.85867317
HEY1	ENSG00000164683.16	4.343826041	6.015173008	7.283829154
SLC35A5	ENSG00000138459.8	3.702844086	3.448678504	4.375322252
SPECC1L	ENSG00000100014.19	4.636594598	4.412403891	4.991020854
MTHFSD	ENSG00000103248.18	4.325436245	3.715085676	4.315017208
AGL	ENSG00000162688.16	4.15177927	3.960441433	3.97553625
BAIAP2L2	ENSG00000128298.16	4.720335807	5.72309585	4.886888112
SNHG11	ENSG00000174365.19	4.315552235	3.559099614	3.81697736
DCAF10	ENSG00000122741.15	4.262733632	3.91858554	3.874155069
ATAD5	ENSG00000176208.8	3.889949371	3.258804284	2.932667581
NUDT12	ENSG00000112874.9	4.235713885	3.903326215	4.697626468
HOXB3	ENSG00000120093.11	4.311392253	3.036010719	4.372726102
CEP290	ENSG00000198707.14	3.75164158	3.138042307	3.381463685
CRYL1	ENSG00000165475.13	4.475975421	4.138147372	5.825645947
SMYD4	ENSG00000186532.11	3.71584802	3.043095027	3.190587291
DIEXF	ENSG00000117597.17	4.601641021	2.979798759	2.963901472
ZSCAN2	ENSG00000176371.13	3.019418003	3.285094479	3.369934002
PPP2R2D	ENSG00000175470.18	4.369434848	3.70899435	4.047335803
SIDT2	ENSG00000149577.15	4.508668043	3.060301438	3.701793877
ZSWIM7	ENSG00000214941.7	4.115206972	3.839796746	3.117906766
LRRC37BP1	ENSG00000250462.8	3.555262988	4.050341364	4.393453105

TBC1D25	ENSG00000068354.15	3.767017987	3.441324235	3.785048422
PRKAR1B	ENSG00000188191.14	5.305231518	4.985077125	2.97563291
TPM2	ENSG00000198467.13	7.653592801	3.02528718	3.205371028
GMIP	ENSG00000089639.10	4.182243349	5.088823924	3.962502062
PKNOX1	ENSG00000160199.14	3.574724105	3.151388448	3.917443279
AC018738.1	ENSG00000237039.1	5.282120843	3.08084359	3.261996159
SVIL-AS1	ENSG00000224597.9	3.500138496	4.662616123	5.314896349
ORAOV1	ENSG00000149716.12	4.302210703	3.683563693	3.974177735
TIGD2	ENSG00000180346.3	3.326793806	3.022418054	3.727671569
BBS1	ENSG00000174483.19	4.262297243	3.682948827	3.867118622
TMLHE	ENSG00000185973.10	3.680068414	3.659511885	3.53551725
FECH	ENSG00000066926.10	4.455633101	4.635233217	3.075193901
MAP4K5	ENSG00000012983.11	4.61577269	4.484737537	4.165392365
LRSAM1	ENSG00000148356.13	4.050483808	4.677641784	3.727484864
C3orf58	ENSG00000181744.8	3.764869464	3.648675938	3.511442955
SMG8	ENSG00000167447.12	4.007646391	4.700463016	5.152074654
USP42	ENSG00000106346.11	3.872741488	3.856622969	3.22066366
TMEM260	ENSG00000070269.13	3.096374923	4.52739802	4.348070312
QRSL1	ENSG00000130348.11	3.950284453	3.4427564	3.369208007
CNN2	ENSG00000064666.14	4.916983049	5.463978203	4.410914214
SGTB	ENSG00000197860.9	2.94980627	4.034327299	5.049145621
LRRC40	ENSG00000066557.5	4.880593091	4.00218157	3.050426921
GTPBP10	ENSG00000105793.15	3.46839327	3.400314638	3.095423944
MYO9A	ENSG00000066933.15	3.819463123	3.887827002	4.125424605
MAFK	ENSG00000198517.9	4.183911066	6.991390897	5.235098581
TJP2	ENSG00000119139.17	5.424485541	3.988582318	2.958450931
MTF2	ENSG00000143033.17	3.968238178	3.828777484	3.131866796
CIDECP	ENSG00000186162.10	3.535232856	3.908846716	4.007907229
TUSC1	ENSG00000198680.4	4.020831831	3.187363483	2.962882823
OXSM	ENSG00000151093.7	3.700982085	3.94482486	3.279790499
SMAD7	ENSG00000101665.8	3.498382755	3.382730033	4.069694741
ZNF385A	ENSG00000161642.17	6.540737741	4.953652271	4.090788263
RAB23	ENSG00000112210.11	2.945175955	3.399276265	3.476555267
COX10	ENSG00000006695.10	4.868144436	3.434146391	4.398347748
NT5DC1	ENSG00000178425.13	4.272668173	4.190634237	3.237689813
ATAT1	ENSG00000137343.17	3.880854958	2.936449884	4.033622525
TXNRD3	ENSG00000197763.14	2.904936591	4.053103898	3.264371327
MED28	ENSG00000118579.12	3.683642669	3.048639441	5.330409313
KCTD6	ENSG00000168301.12	3.73674935	3.379491025	3.826600419
AAED1	ENSG00000158122.11	3.751727334	4.499589769	2.921016595
WDFY3	ENSG00000163625.15	3.676650785	4.246688863	4.457769554
RAD54L2	ENSG00000164080.13	4.616233108	4.361462373	3.755260347
TEAD3	ENSG00000007866.19	3.038633526	3.679710753	3.97537325
GDF15	ENSG00000130513.6	3.1085559	10.41658579	12.99750509
CDC7	ENSG00000097046.12	4.23412897	3.816277086	3.00388269
ZC3H14	ENSG00000100722.18	4.378562117	3.868698513	3.062321696

DOCK5	ENSG00000147459.17	5.389608555	3.839923591	3.291626743
RPP25L	ENSG00000164967.9	4.686550616	3.756831416	3.020599294
PRR14L	ENSG00000183530.13	4.040839603	4.739191466	4.406359995
ZMAT5	ENSG00000100319.12	4.035520777	4.765707227	4.691693596
UBASH3B	ENSG00000154127.9	5.68230364	3.022401721	4.041041366
GMDS	ENSG00000112699.10	5.186562262	4.642864248	4.537843436
TBC1D4	ENSG00000136111.12	5.4956152	4.180535924	6.083198435
ATG7	ENSG00000197548.12	4.254850832	3.916862197	3.491165666
C10orf88	ENSG00000119965.12	3.369562087	3.584919346	4.015646528
C12orf76	ENSG00000174456.13	4.02891265	3.79699443	3.316907112
MALT1	ENSG00000172175.12	4.287049086	3.83658907	5.314224842
CTC1	ENSG00000178971.13	3.653189405	2.963017747	3.445583247
PTPRZ1	ENSG00000106278.11	2.955572557	4.301911271	3.539135128
PLD2	ENSG00000129219.13	4.157108479	3.377372921	3.980002673
FAM102A	ENSG00000167106.11	4.342443489	5.853786807	4.492328001
ZNF668	ENSG00000167394.12	4.802016109	3.767099121	3.107071331
TMTC4	ENSG00000125247.15	4.370451089	3.322925728	3.12166677
RTKL1-TNFRS	ENSG00000026036.21	3.198984751	3.639288486	4.477591468
DENND1A	ENSG00000119522.16	4.519921203	5.11658064	3.824026745
RTTN	ENSG00000176225.13	3.034256381	4.555894551	3.042506734
TBCEL	ENSG00000154114.12	3.640772521	3.32297057	4.606572845
ARNTL	ENSG00000133794.17	3.857550479	4.240917646	4.668824611
ZKSCAN8	ENSG00000198315.10	4.341256378	3.918936985	5.08054579
DCLRE1A	ENSG00000198924.7	4.506409261	2.991969849	4.126250017
C11orf49	ENSG00000149179.13	4.753932462	4.701377456	5.536865004
RAB15	ENSG00000139998.14	3.493352481	4.046161671	4.384507708
ZCCHC4	ENSG00000168228.14	4.467329421	3.021804523	5.536457424
SLC35A1	ENSG00000164414.17	4.569906667	3.936699852	3.988620827
MAST3	ENSG00000099308.10	3.731283148	4.468769662	3.814416134
SPIDR	ENSG00000164808.16	5.009287731	4.25512121	5.116743929
FOCAD	ENSG00000188352.12	5.017005749	4.377797669	4.444077493
CDC14B	ENSG00000081377.16	3.515438191	4.215926598	4.250018192
ZNF331	ENSG00000130844.16	3.394116189	3.534443051	3.000102814
FAM86DP	ENSG00000244026.6	5.500858055	4.918620954	3.156914472
METTL14	ENSG00000145388.14	3.476694348	2.996427396	3.684030726
SAC3D1	ENSG00000168061.14	4.234613425	3.467174455	2.919523354
TMEM267	ENSG00000151881.14	3.607024278	3.757120755	4.287145039
MEX3D	ENSG00000181588.16	3.471166336	4.260506231	3.305451166
MRNIP	ENSG00000161010.14	3.8532779	3.125319521	3.324453756
ACTR5	ENSG00000101442.9	3.657705759	3.09698488	3.243539146
UNC93B1	ENSG00000110057.7	4.685483341	4.448031638	4.204327569
PEX26	ENSG00000215193.12	3.057923102	3.495799801	4.178902673
CTH	ENSG00000116761.11	4.497470766	4.590834703	4.902854
ACSF3	ENSG00000176715.15	4.930334331	4.302462555	4.681815438
SHTN1	ENSG00000187164.19	4.488299406	5.193008018	5.157595972
TMEM44	ENSG00000145014.17	2.930913451	3.33871253	3.075859714

TDRD3	ENSG00000083544.13	4.541242922	3.973842618	7.48811951
TMEM51	ENSG00000171729.13	3.247183449	4.280603785	3.866543505
CNOT6L	ENSG00000138767.12	3.39920156	4.148591091	4.206214258
RHBDF2	ENSG00000129667.12	3.193520371	6.564897395	5.763041032
NME7	ENSG00000143156.13	5.311990136	4.496107593	2.899460779
DEPDC5	ENSG00000100150.16	3.045512929	3.78267497	4.090310328
MOCS3	ENSG00000124217.4	4.545725861	3.696536759	3.331401599
PCNX1	ENSG00000100731.15	4.445438293	3.957662457	4.457333083
ANKRD13B	ENSG00000198720.12	5.071498218	4.384014059	4.413911338
NRGN	ENSG00000154146.12	6.162339551	3.034457905	3.808435667
CROCCP2	ENSG00000215908.10	4.715680347	4.01389826	4.039432955
PRKAG2	ENSG00000106617.13	3.377693391	5.210949004	4.738199082
LRRCC1	ENSG00000133739.15	3.120732617	3.397697648	2.935563325
ATOH8	ENSG00000168874.12	2.867038904	5.337421282	4.668465314
PAPOLG	ENSG00000115421.12	3.751157306	3.857883019	2.912551064
TACC2	ENSG00000138162.18	5.111130947	3.707117192	3.382970992
LNX2	ENSG00000139517.7	2.923000751	3.951885663	4.741671098
GLRX	ENSG00000173221.13	5.15070597	3.588796377	4.75713437
LRRC28	ENSG00000168904.14	3.713040931	3.565669851	4.595321325
ST3GAL1	ENSG00000008513.14	4.804387016	5.099723457	3.125176087
ITGA7	ENSG00000135424.15	2.954244036	9.111209877	4.333054388
GTF2IP4	ENSG00000233369.7	3.752042847	4.178099567	2.887667039
ZBTB6	ENSG00000186130.4	4.59490283	4.502751465	3.242912289
CCNE2	ENSG00000175305.17	5.150978187	3.107881936	3.119866503
GPCPD1	ENSG00000125772.12	3.755370557	2.927923428	3.660664581
NDST2	ENSG00000166507.17	3.687865574	2.976788734	3.643479989
CTAGE5	ENSG00000150527.17	4.248811192	3.077712688	4.876491221
DNAJC25-GN	ENSG00000244115.1	3.21108132	4.215524938	4.048647555
PIF1	ENSG00000140451.12	4.738343386	2.956987164	2.998364687
FUNDC2	ENSG00000165775.17	3.642200016	2.857661965	2.969423563
FBXO46	ENSG00000177051.5	4.79694284	3.436814218	4.00671519
PHLPP1	ENSG00000081913.13	3.646324299	4.428338098	3.892007278
TRADD	ENSG00000102871.15	2.847352827	4.152054078	4.684765325
GNAI3	ENSG00000065135.10	3.850707477	3.358971603	2.929004012
IRF9	ENSG00000213928.8	3.210314081	3.073258129	5.246962011
UBE2W	ENSG00000104343.19	3.771845029	4.170691842	4.812981249
SUSD6	ENSG00000100647.7	2.957710883	3.450883727	4.53720826
LDHAP4	ENSG00000214110.3	3.935535244	3.67190582	3.063378389
MHENCR	ENSG00000232442.1	3.93054985	2.941240857	3.168506808
MSX1	ENSG00000163132.6	3.629364799	4.390405267	5.105996734
CCDC92	ENSG00000119242.8	3.053404407	3.190415337	4.550297624
MT-TG	ENSG00000210164.1	3.538086369	4.04584396	3.098618765
SLC25A20	ENSG00000178537.9	4.177451052	4.643027564	3.015726391
LRFN4	ENSG00000173621.8	5.736297712	5.171213893	4.662415216
NFAT5	ENSG00000102908.20	4.202173173	4.130632255	4.803648639
ZNF234	ENSG00000263002.7	3.799756991	3.073595234	3.74853732

RNF169	ENSG00000166439.5	3.909462803	2.847651518	3.982947861
BRF1	ENSG00000185024.16	4.381640217	4.53505029	2.894852318
AC093752.1	ENSG00000245958.6	4.202365427	3.764911037	3.835385201
NLRX1	ENSG00000160703.15	4.226470254	2.949489184	3.139289333
RMDN2	ENSG00000115841.19	3.322435132	3.321526209	3.115076414
ING2	ENSG00000168556.6	4.747213666	3.079246663	3.071633876
ZNF343	ENSG00000088876.11	4.29606037	3.928911942	2.868286087
ZNF414	ENSG00000133250.13	4.331110056	3.728752897	3.033456739
FAM219B	ENSG00000178761.14	3.938490611	4.216630857	4.432423314
HEXIM2	ENSG00000168517.10	3.739740733	3.169296608	3.498585229
ACO1	ENSG00000122729.18	3.884637079	5.374338973	3.979342608
RAD54L	ENSG00000085999.11	4.902372817	3.813578377	2.912467046
DENND4C	ENSG00000137145.20	4.961940491	3.926873691	4.744495043
WDYHV1	ENSG00000156795.6	3.487060642	3.717454841	4.659620239
CCP110	ENSG00000103540.16	4.9401056	3.74761572	3.220082414
GEMIN2	ENSG00000092208.16	4.501128512	3.011581533	3.098234143
TATDN3	ENSG00000203705.10	4.607716178	2.912160793	3.634154136
ALDH1A3	ENSG00000184254.16	9.414492135	2.970758279	11.89983811
STK38L	ENSG00000211455.7	4.097203944	4.703056046	2.872278818
CRADD	ENSG00000169372.12	4.133644437	3.570633509	3.323434584
F2R	ENSG00000181104.6	5.669480671	4.037466724	2.862952864
DCUN1D2	ENSG00000150401.14	4.044241424	3.211017445	3.433627712
RRP8	ENSG00000132275.10	3.388978815	3.406536744	3.757650596
HOTAIRM1	ENSG00000233429.9	2.903695616	4.511791518	4.333440326
SLC16A4	ENSG00000168679.17	4.217717664	4.232688846	4.387093271
APOOL	ENSG00000155008.13	3.821511561	4.254837687	4.002370595
ZMYM1	ENSG00000197056.9	4.383600823	4.186933292	2.888023818
C1orf50	ENSG00000164008.14	3.518563821	3.438459511	3.141649535
AC020916.1	ENSG00000267519.5	4.35773409	4.622512171	3.335176401
CCSER2	ENSG00000107771.15	4.171172038	3.26869144	4.263968131
BCORL1	ENSG00000085185.15	3.733302754	4.226839232	4.274276126
ROGDI	ENSG00000067836.12	4.041134657	3.14147618	4.181334382
CABLES2	ENSG00000149679.11	2.974372959	2.882038974	3.856223812
LHFPL6	ENSG00000183722.7	2.83953211	4.073618663	4.947226762
MBOAT1	ENSG00000172197.10	3.234590519	4.655088137	4.971997312
SCO2	ENSG00000130489.14	4.473652213	4.862249522	3.751928285
ATG10	ENSG00000152348.15	3.496434371	2.883588415	3.355648665
SPSB3	ENSG00000162032.15	4.657955042	3.743456273	4.166703647
CHIC2	ENSG00000109220.10	4.935935133	3.145789534	4.051633893
RIC8B	ENSG00000111785.19	4.255531696	3.237497915	2.864180402
RHPN2	ENSG00000131941.7	4.544286972	4.032418118	3.298549877
SERINC2	ENSG00000168528.11	3.842991419	4.885841383	7.358541335
MIER3	ENSG00000155545.19	4.468211415	3.612515769	2.858637285
STRBP	ENSG00000165209.18	4.571404474	5.859683288	3.492724032
MANEA	ENSG00000172469.15	3.89340541	2.816177195	2.959213393
SVBP	ENSG00000177868.11	4.152301217	3.334962773	3.50939588

KLHL22	ENSG00000099910.16	2.895033365	3.801361142	3.581416489
ZSCAN32	ENSG00000140987.19	4.049567382	3.326095518	3.368744636
ZNF43	ENSG00000198521.11	5.118122377	4.373328358	2.922575502
TMEM39B	ENSG00000121775.17	4.572528872	3.869928176	2.995524604
RALGAPA2	ENSG00000188559.13	2.80777145	3.498481539	3.509404608
PCCA	ENSG00000175198.15	4.216597287	3.017218375	4.882123028
SIMC1	ENSG00000170085.17	3.769506804	3.912030471	3.567819509
RPL13P5	ENSG00000240370.6	3.81640043	3.514701326	4.303983104
NFYB	ENSG00000120837.7	4.719603734	3.747889216	3.008543792
RPP38	ENSG00000152464.14	4.064944064	4.241616415	3.717150944
SLC10A3	ENSG00000126903.15	4.806795101	4.044251062	3.641537487
ORMDL3	ENSG00000172057.9	3.664932127	4.594532034	3.518104602
SPATA13	ENSG00000182957.15	5.538513851	4.852964919	3.011633816
AC007383.2	ENSG00000227946.1	3.07791475	3.640231489	4.363997966
THTPA	ENSG00000259431.5	4.124228367	4.204681086	3.10456167
CCZ1B	ENSG00000146574.15	4.705721403	3.50244969	3.012622437
EXT1	ENSG00000182197.10	4.221876933	4.350650796	2.834357295
P3H3	ENSG00000110811.19	5.38736504	4.561045326	2.800378819
WRAP53	ENSG00000141499.16	4.702485987	3.153771331	3.62136793
NMB	ENSG00000197696.9	5.331144881	3.010418303	3.675417124
MEIS2	ENSG00000134138.19	4.757200319	3.821140457	4.81186469
PRKCI	ENSG00000163558.12	3.924484832	3.922974872	3.842304018
BCL2L2	ENSG00000129473.9	4.906507751	4.209415117	4.689201591
EPDR1	ENSG00000086289.11	2.884714378	7.176959472	6.172570823
SLC8B1	ENSG00000089060.11	3.299398263	3.339834564	3.032336688
KRT8P12	ENSG00000229320.3	4.240032328	3.97691452	4.880800151
SPIRE2	ENSG00000204991.10	3.442951628	3.957340387	3.738539384
RAD51	ENSG00000051180.16	5.263357417	3.870480242	2.954346064
NFKBIE	ENSG00000146232.15	3.119290854	3.072818514	4.688105661
CXCL8	ENSG00000169429.10	3.463468475	3.82795934	3.844129359
AC073869.1	ENSG00000152117.17	2.79397268	3.567714531	2.994203522
PRR3	ENSG00000204576.11	5.064271212	4.089593295	2.941656472
ROBO3	ENSG00000154134.14	3.848947568	3.85612878	3.118336621
GALT	ENSG00000213930.11	4.284966499	3.184564487	2.936373202
BRF2	ENSG00000104221.12	3.005232049	3.231438826	3.85812732
DRAM1	ENSG00000136048.13	3.771142138	3.919018853	3.694517958
BCR	ENSG00000186716.20	4.046013903	4.568740516	4.451944445
BMPR1A	ENSG00000107779.13	4.362613773	3.268082514	4.497033388
RNASEK-C17c	ENSG00000161939.19	4.752085374	3.038071535	4.026337791
USP6NL	ENSG00000148429.14	3.406872864	3.827770899	5.815685116
C7orf25	ENSG00000136197.12	4.564015783	4.630052424	3.945027414
RELL1	ENSG00000181826.9	5.904377766	2.993889923	7.584568362
TAPT1	ENSG00000169762.16	4.559662548	2.887234398	5.712365451
SIRT1	ENSG00000096717.11	4.596970522	2.897270025	4.007967236
EXOG	ENSG00000157036.12	4.207903273	4.253566777	2.971903836
LYSMD1	ENSG00000163155.11	3.98869711	3.597434658	2.89440575

RASSF8-AS1	ENSG00000246695.7	4.289927387	4.010903775	3.806321942
NABP1	ENSG00000173559.12	3.304527223	5.428023974	4.274185186
CYB5D2	ENSG00000167740.9	4.296480793	2.964132641	3.445004677
YBEY	ENSG00000182362.13	4.081865323	3.507952509	3.239720636
TUT1	ENSG00000149016.15	4.923293224	3.54754724	4.079156267
AL359075.1	ENSG00000242193.10	2.85756941	3.31099411	3.714919757
ZNF691	ENSG00000164011.17	4.120513083	3.44641313	2.899231832
PER1	ENSG00000179094.15	3.939916422	2.996233185	3.23909443
ARL6	ENSG00000113966.9	3.581737396	3.346043777	3.328775353
ZBTB44	ENSG00000196323.12	4.573628081	3.134150326	3.563790851
MYBL1	ENSG00000185697.16	3.662418629	3.3675402	2.864438401
LMBRD2	ENSG00000164187.6	2.930512559	2.888915541	3.623371433
C14orf93	ENSG00000100802.14	3.247157747	2.956519407	3.768277861
MAP1S	ENSG00000130479.10	4.2226418	4.927871972	4.517374334
SYNJ2	ENSG00000078269.14	4.757122239	2.838809641	3.05277408
LYRM1	ENSG00000102897.9	4.211296603	3.921007797	4.362351335
FAM81A	ENSG00000157470.11	3.448609538	4.887867782	5.279140128
MSL3P1	ENSG00000224287.2	3.806941459	4.021317685	2.904882282
NUDT16	ENSG00000198585.11	3.266850945	3.902631921	3.067122433
AL161911.1	ENSG00000214654.7	4.135406633	4.526743424	2.803447834
LPCAT2	ENSG00000087253.12	5.029097619	3.177843295	2.971768155
ZSCAN26	ENSG00000197062.11	2.84997223	2.996325485	4.461328818
RAB8B	ENSG00000166128.12	4.173115633	2.899965821	4.829721764
HERC3	ENSG00000138641.15	3.062528501	2.929707806	4.120304045
TOE1	ENSG00000132773.11	5.496415735	3.978926435	2.957982224
SLC35G1	ENSG00000176273.14	4.44191829	4.368535595	2.835003213
ZNF440	ENSG00000171295.12	4.205065915	3.731354862	3.336883763
ZNF675	ENSG00000197372.9	4.031547816	3.425835364	3.345142908
OSBPL7	ENSG00000006025.11	3.531571095	3.159147678	4.550253793
RCOR1	ENSG00000089902.9	4.641955204	4.029296101	2.830081525
MPND	ENSG00000008382.15	3.590636314	4.151466633	4.235003715
ZC3H8	ENSG00000144161.12	2.998418251	3.216429932	3.491488532
ARHGAP10	ENSG00000071205.11	3.818588194	3.214746351	3.449150619
ZNF526	ENSG00000167625.10	3.66020768	4.653743108	3.192022462
PLEKHA2	ENSG00000169499.14	2.892170066	5.025841001	5.487432813
CEP44	ENSG00000164118.12	3.839796651	3.159592161	3.343726924
MT-TW	ENSG00000210117.1	2.873810139	3.93341833	3.092649287
SIPA1L1	ENSG00000197555.9	3.955816072	4.960143329	3.149692126
GXYLT1	ENSG00000151233.10	3.838012759	4.232841482	2.805136254
MAPKAPK5	ENSG00000089022.13	4.443960806	3.865700544	2.972644651
ZNF436	ENSG00000125945.14	4.375364598	3.225250377	3.483602147
SMIM20	ENSG00000250317.8	6.007298602	4.45046048	6.710459514
TRAIP	ENSG00000183763.8	4.329866008	3.80067777	2.878117455
PTRH1	ENSG00000187024.14	3.794246316	5.111342594	3.237792073
CARD8	ENSG00000105483.17	3.817966483	3.543061872	4.879947063
TASP1	ENSG00000089123.15	3.729193028	3.709979469	2.858692301

PTOV1-AS2	ENSG00000269352.1	4.219456275	4.146313821	3.846942351
GSTCD	ENSG00000138780.14	3.984368419	3.567836319	2.803376711
JPX	ENSG00000225470.7	4.155123167	4.179097732	3.77555216
MMS22L	ENSG00000146263.11	3.940181229	3.175165015	3.036138052
RAD54B	ENSG00000197275.13	3.742353732	3.039251315	2.930370829
STK17B	ENSG00000081320.10	2.82881423	4.685231227	4.765664573
ZNF397	ENSG00000186812.12	3.539189086	3.5495004	3.924892289
MTF1	ENSG00000188786.9	4.166702369	3.19577953	2.825317833
PDXDC2P-NPI	ENSG00000196696.12	3.266573657	4.285478868	5.178061428
SENP7	ENSG00000138468.15	2.942461032	3.123704789	3.92763757
C3orf67	ENSG00000163689.19	3.005241674	3.896058007	3.547104211
SREK1IP1	ENSG00000153006.15	3.835333329	2.873399558	4.019967253
PYROXD1	ENSG00000121350.15	4.56794156	4.003197755	5.078269597
ZNF558	ENSG00000167785.8	3.37367649	4.550717802	4.306380115
SEMA4F	ENSG00000135622.12	2.950271613	4.201800835	4.056715662
CRCP	ENSG00000241258.6	3.518512165	3.438721447	3.608870904
ZRANB1	ENSG00000019995.6	4.560850858	3.567683806	4.211080066
CBX8	ENSG00000141570.10	4.015159382	3.956980127	3.378057783
SPATA5L1	ENSG00000171763.18	4.00432662	3.303999993	3.233183574
EPB41L1	ENSG00000088367.21	4.272245727	5.250565291	3.017605732
MBTD1	ENSG00000011258.15	3.678726258	3.497946566	3.833995599
FAM161A	ENSG00000170264.12	3.072286495	4.797848497	3.269661077
ASB13	ENSG00000196372.12	4.641728811	3.065716399	5.076917542
ENTPD5	ENSG00000187097.12	3.643130866	2.796944639	3.498598125
JADE3	ENSG00000102221.13	3.252930566	4.141767391	3.118447434
ZNF473	ENSG00000142528.15	4.031165538	3.391987225	3.719378032
GTF2H2C	ENSG00000183474.15	3.787401918	3.120074716	2.955556067
C5orf42	ENSG00000197603.13	3.140368358	2.816469999	3.974456661
ID1	ENSG00000125968.8	7.968255418	5.289065173	2.974558819
AHDC1	ENSG00000126705.13	4.274919994	4.408237435	3.534622176
OPA3	ENSG00000125741.4	4.39612882	2.839313519	3.296722255
LRP4	ENSG00000134569.9	3.264153836	3.994880713	5.284979627
FBXL4	ENSG00000112234.8	2.773674814	3.553896699	3.092661386
PLS1	ENSG00000120756.12	4.076466158	4.497985887	4.354725636
THAP6	ENSG00000174796.12	3.363894924	3.359689616	3.943785561
CCDC57	ENSG00000176155.18	4.265156066	4.441560962	5.967447395
CPEB4	ENSG00000113742.12	3.659450155	3.115452756	5.869439989
CCDC134	ENSG00000100147.13	2.960693467	3.770178556	3.492382146
ZBTB41	ENSG00000177888.7	3.675438924	3.514191808	3.513135572
STXBP5	ENSG00000164506.14	2.965439399	3.483232732	3.525406343
UBN2	ENSG00000157741.14	3.14077192	3.26360386	3.061534565
ACCS	ENSG00000110455.13	3.618312981	4.947696444	4.292838576
RNF216P1	ENSG00000196204.11	3.956204203	4.469519233	3.771055624
FIZ1	ENSG00000179943.7	4.498177607	2.854013116	4.20149334
C12orf65	ENSG00000130921.7	3.062681553	2.881771342	3.233120863
POLL	ENSG00000166169.16	4.838130481	4.001905406	4.162124553

ZNF205	ENSG00000122386.10	4.035655427	3.750844388	4.575430438
PTPDC1	ENSG00000158079.14	2.999106286	4.56329595	3.927776089
PEX3	ENSG00000034693.14	4.49211141	4.215084296	3.514609035
RAB11FIP2	ENSG00000107560.10	4.320055042	3.342308394	4.102411453
CYB561D2	ENSG00000114395.10	3.956905737	3.706187055	2.787839922
CARMIL1	ENSG00000079691.17	2.74331283	4.634869309	4.957536033
DPH6	ENSG00000134146.11	3.815048336	2.756979638	4.192346965
PLA2G15	ENSG00000103066.12	3.231379301	3.097278354	3.808147774
B9D1	ENSG00000108641.14	5.566125696	4.569185481	2.906306748
SNORD104	ENSG00000199753.1	5.750793034	4.685361238	4.457863099
SH3RF1	ENSG00000154447.14	3.728818942	2.827995036	4.004611394
KIAA0355	ENSG00000166398.12	3.698168741	2.774481573	4.575987169
C17orf75	ENSG00000108666.9	4.305172856	3.403937141	5.074457052
ORA12	ENSG00000160991.15	6.003049874	5.892344624	4.572649531
GSKIP	ENSG00000100744.14	4.710995605	4.053231711	3.353359447
NFXL1	ENSG00000170448.11	4.707100201	3.642913803	4.38212467
NBPF3	ENSG00000142794.18	3.510782464	3.706539202	3.647977671
AL392172.1	ENSG00000228106.5	4.407254531	3.128190913	3.076722674
GADD45A	ENSG00000116717.11	5.185661426	5.915811915	6.463339629
ABRAXAS1	ENSG00000163322.13	2.8896327	3.047695011	3.191617
AGO1	ENSG00000092847.11	5.068192666	3.549392387	3.959896888
FCMR	ENSG00000162894.11	2.872201806	3.382243197	5.260394198
HAUS7	ENSG00000213397.10	3.799283298	3.578261727	2.929196228
TMEM131L	ENSG00000121210.15	2.85957463	3.659185994	2.888230199
MICALL2	ENSG00000164877.18	3.698640647	5.83766449	3.786573808
ERCC6	ENSG00000225830.12	4.210114078	3.0541011	3.526781586
TCF7L2	ENSG00000148737.16	5.980170279	3.614421834	3.321719575
C2CD2L	ENSG00000172375.12	4.566858329	2.899892612	4.080391405
ZNF516	ENSG00000101493.10	4.442953855	5.351905912	4.963998513
ARL4C	ENSG00000188042.7	4.389790331	4.836531158	2.780063542
SETMAR	ENSG00000170364.12	3.035934201	3.074259526	2.778528339
PFKFB3	ENSG00000170525.19	6.070807057	5.161461327	5.680034487
FLVCR1	ENSG00000162769.12	4.636384027	2.743988797	3.045374675
MCUB	ENSG00000005059.15	5.228775924	2.871495776	4.97002598
MINCR	ENSG00000253716.5	3.975624396	3.174898934	3.25563166
S1PR2	ENSG00000267534.2	4.871751869	2.842299987	2.987340577
DNAJC22	ENSG00000178401.14	4.157081057	3.388137364	3.313958395
OVCA2	ENSG00000262664.2	3.686022096	2.807445604	3.132305324
G2E3	ENSG00000092140.14	4.215078323	2.874615782	3.047171091
STK39	ENSG00000198648.10	2.846346971	4.463866997	5.021636571
CDC40	ENSG00000168438.14	4.163600461	3.202792716	3.24431874
CNTLN	ENSG00000044459.14	3.884732063	2.866809015	2.835655742
C21orf2	ENSG00000160226.15	2.978477309	3.229866876	4.455080223
SNCA	ENSG00000145335.15	4.417655141	6.794055179	7.321668312
DEPDC1B	ENSG00000035499.12	5.560185355	2.810315182	2.849943944
DIAPH2	ENSG00000147202.17	3.821916669	3.792869166	3.685982071

KIAA1549	ENSG00000122778.9	4.329841122	3.06292637	3.345404649
NCALD	ENSG00000104490.17	3.343165759	4.42135078	2.742690629
ZNF680	ENSG00000173041.11	3.834166013	3.60020331	2.828607284
LRR8C	ENSG00000171488.14	3.032881348	3.669715239	4.749608625
KIF14	ENSG00000118193.11	5.557322559	3.720196776	2.734407334
COX19	ENSG00000240230.5	2.726585181	3.450876726	3.332627697
ING4	ENSG00000111653.19	4.822124318	3.070661795	4.128310938
QKI	ENSG00000112531.16	3.959857889	3.326205226	3.418566113
IFT74	ENSG00000096872.15	5.0871921	2.929536177	2.815909102
TSPAN14	ENSG00000108219.14	6.002786953	4.916249538	7.952374934
TSEN2	ENSG00000154743.17	4.08804846	3.516800594	2.911840901
RPL23AP42	ENSG00000234851.4	4.228132092	3.349068456	3.759326293
MFSD6	ENSG00000151690.14	2.801086216	5.357307982	5.821563907
RPL23AP82	ENSG00000184319.15	2.865341975	4.788762706	4.152864888
LIAS	ENSG00000121897.14	4.122476565	2.868318302	5.099192422
YIPF6	ENSG00000181704.11	3.293688485	4.232470976	3.255836455
ZNF710	ENSG00000140548.9	3.370299547	2.865875658	2.927638134
SNX33	ENSG00000173548.8	3.922818073	3.973137088	3.87894301
SLC2A11	ENSG00000133460.19	3.318680316	4.448045563	4.632570001
SGF29	ENSG00000176476.8	4.682043225	2.849167682	3.736045706
CGRRF1	ENSG00000100532.11	2.900237824	3.006218857	3.699862913
TMTC3	ENSG00000139324.11	4.592407962	3.737881641	2.785105298
ZNF28	ENSG00000198538.10	3.429139459	3.329314859	3.217602845
C12orf73	ENSG00000204954.9	4.072391145	3.088698047	3.077417531
ZNF304	ENSG00000131845.14	3.524402618	2.741113035	3.631883077
ZNRF2P2	ENSG00000225264.3	3.109118011	3.949637172	3.610170217
ACADS	ENSG00000122971.8	3.064397938	3.917927064	5.523300198
SYNE2	ENSG00000054654.16	3.180452987	3.83330198	4.9049707
DICER1	ENSG00000100697.14	4.396487379	3.994926306	2.733446785
HMGA2	ENSG00000149948.13	6.089517598	5.989741438	5.675123588
CREB1	ENSG00000118260.14	3.250416804	3.266141667	2.890080545
IFT27	ENSG00000100360.14	2.802559621	4.121619552	5.738900198
UNKL	ENSG00000059145.18	4.113495278	3.719540374	3.586784585
CYB5A	ENSG00000166347.18	2.859177726	4.759359234	3.625434473
ARRDC1	ENSG00000197070.13	4.378050723	4.92982606	4.786712313
TBL1X	ENSG00000101849.15	6.09083009	3.437735901	4.505739583
L2HGDH	ENSG00000087299.11	3.67360927	3.001147931	3.425578663
ITPKC	ENSG00000086544.2	3.511195393	3.810440762	4.063815227
NANP	ENSG00000170191.4	3.754768677	3.715622784	2.738136675
MOCS1	ENSG00000124615.17	3.475201808	3.585982786	3.073793653
TRIM39	ENSG00000204599.14	3.424104279	3.147983112	3.564244748
TSHZ1	ENSG00000179981.9	4.705894189	3.823328695	5.549579455
ZDHHC18	ENSG00000204160.11	3.401475145	3.799597291	3.479221204
EFCAB7	ENSG00000203965.12	4.020920191	3.472327283	3.833338473
CCNG2	ENSG00000138764.14	3.575834135	3.883460636	4.231139148
SEPT7P2	ENSG00000214765.8	3.92233022	4.494760769	3.908808049

EIF3C	ENSG00000184110.14	4.386929055	3.62481243	4.095780424
NOL3	ENSG00000140939.14	4.638324909	2.793369544	5.041887405
FANCE	ENSG00000112039.3	3.463760653	2.831793391	2.97601021
RAB4A	ENSG00000168118.11	4.176766047	2.949122266	4.30121931
EVI5L	ENSG00000142459.8	2.831081488	3.122923995	3.047444187
CBFA2T2	ENSG00000078699.21	2.943465647	3.192725104	4.046299927
FUT10	ENSG00000172728.15	2.961282479	3.450944017	3.057869794
NAIF1	ENSG00000171169.8	4.685944201	4.204781752	3.385490827
FADS2	ENSG00000134824.13	4.192551417	2.740070735	3.250874154
KIF21A	ENSG00000139116.18	4.750447373	4.721176381	2.762656081
ZNRF2P1	ENSG00000237004.3	2.765153074	2.681900334	3.085256412
AC135977.1	ENSG00000226268.3	3.109147165	3.215869929	3.61609534
DAGLB	ENSG00000164535.14	4.499755668	4.158551882	3.084818599
IKZF5	ENSG00000095574.11	4.350020381	3.311954395	3.877112354
PEX2	ENSG00000164751.14	4.214302271	3.349922478	3.991154084
PXMP4	ENSG00000101417.11	2.702236157	2.818341266	3.933500479
TAF1A	ENSG00000143498.17	4.807669064	3.275464001	2.876451853
PGGT1B	ENSG00000164219.9	3.669313367	2.726162636	3.237630121
TBC1D22B	ENSG00000065491.8	2.745706647	3.928007335	3.862580604
TMEM199	ENSG00000244045.12	4.786518039	4.94752868	4.852409403
ISG15	ENSG00000187608.8	3.180070589	4.674521031	2.789650842
SDSL	ENSG00000139410.14	3.265097339	4.854058067	3.214304089
NUDT16L1	ENSG00000168101.14	3.287883049	3.493376555	3.094342579
CBLB	ENSG00000114423.18	3.273316283	3.487630981	3.508561368
PRDM2	ENSG00000116731.22	4.36049524	3.906384362	4.68681095
RTN2	ENSG00000125744.11	4.337577109	3.21568404	3.816058434
PIGL	ENSG00000108474.16	3.43357701	2.918222016	3.481769704
DDX20	ENSG00000064703.11	4.211099007	3.276555537	2.725222571
SUV39H2	ENSG00000152455.15	4.511208568	3.267522208	3.369993274
MPLKIP	ENSG00000168303.6	3.162106198	3.812143961	3.187022545
C15orf40	ENSG00000169609.13	3.676389538	3.137752414	2.896836064
HOXC9	ENSG00000180806.4	4.036679743	3.33076696	3.021120695
FHL1	ENSG00000022267.16	3.73922085	4.358473667	3.482235133
HELZ2	ENSG00000130589.16	3.846916488	4.172326914	2.849245384
SDCCAG8	ENSG00000054282.15	4.952016216	3.028802874	4.503856358
CCDC126	ENSG00000169193.11	3.285005328	3.396221817	3.639082009
CCNJL	ENSG00000135083.14	4.595745448	3.183723766	3.452455066
ZCCHC6	ENSG00000083223.17	4.272896525	4.743218868	3.112418151
C11orf1	ENSG00000137720.7	4.616498595	3.131570482	4.419470704
WDR37	ENSG00000047056.14	3.534599516	2.994079618	4.557212343
ZNF346	ENSG00000113761.11	4.303360917	2.910021328	3.046857477
STIL	ENSG00000123473.15	4.703415181	3.618662096	2.750669132
STEAP1	ENSG00000164647.8	2.834082363	5.362491805	3.690992503
FAXDC2	ENSG00000170271.10	3.80077211	2.975547546	4.445871827
SMCR8	ENSG00000176994.10	4.739057706	4.004919048	4.999303318
NHLRC2	ENSG00000196865.4	4.160193407	3.122937978	3.895645112

SLX4	ENSG00000188827.10	3.654706607	2.65558514	3.074287164
ZNRF2	ENSG00000180233.10	2.840688985	3.935809608	3.446817275
PLPP1	ENSG00000067113.16	4.6006532	3.682233329	2.74882356
ZNHIT2	ENSG00000174276.6	5.151470472	4.356546309	3.336233807
CRYBB2P1	ENSG00000100058.12	3.22457072	4.556610866	4.684286263
SESN1	ENSG00000080546.13	3.710243428	4.442359237	4.374958261
KBTBD6	ENSG00000165572.7	4.248935694	3.535151441	2.698650277
AC073857.1	ENSG00000280120.1	3.336006345	3.342055828	4.330116284
MRAS	ENSG00000158186.12	3.942280189	3.72671007	3.743589528
LRRC23	ENSG00000010626.14	3.703423597	3.749706752	4.633691773
WDR83	ENSG00000123154.11	4.549715331	3.142948919	3.062048803
FBXL14	ENSG00000171823.6	3.951179584	3.022444301	4.807651521
BTBD19	ENSG00000222009.8	3.774418261	4.898112274	3.482008068
RIC1	ENSG00000107036.11	4.320598402	3.717789254	3.264002652
HOXA5	ENSG00000106004.4	4.72885417	3.617708838	2.795704225
ZNF350	ENSG00000256683.6	3.039539594	3.540315678	3.468338723
NPHP1	ENSG00000144061.12	3.282298032	3.082249778	3.519336794
DDHD1	ENSG00000100523.14	3.160184445	2.90334535	3.196417921
EGR1	ENSG00000120738.7	5.398224173	4.75121772	6.670394954
FASTKD3	ENSG00000124279.11	4.591221967	4.372139047	2.684038319
PCGF6	ENSG00000156374.14	5.085047164	3.147170284	3.588125307
C19orf47	ENSG00000160392.13	4.164010757	4.092882995	3.128943841
STK26	ENSG00000134602.15	4.201597251	4.89719747	4.364799832
SLC9A3R2	ENSG00000065054.13	6.811710682	4.824970961	2.728135355
HOXC6	ENSG00000197757.7	4.295767771	3.857901118	3.351404439
RASA2	ENSG00000155903.11	4.114485506	4.11606708	3.830975772
NRBP2	ENSG00000185189.17	3.27228487	5.452870831	3.030441146
PRMT9	ENSG00000164169.12	3.458153643	3.060748346	3.239453399
CDCA4	ENSG00000170779.10	5.728497234	5.3230053	2.85082784
DZIP1L	ENSG00000158163.14	2.700619648	3.53651953	2.798938037
CCDC159	ENSG00000183401.11	2.690445415	3.357002828	4.161440151
DHX58	ENSG00000108771.12	3.090664572	3.798654491	4.438267273
EME2	ENSG00000197774.12	3.748577692	3.647668354	3.303847143
GPR161	ENSG00000143147.14	4.324427179	6.341965095	2.888997909
LRRC37B	ENSG00000185158.12	2.93620583	3.706745383	3.932532803
FKBPL	ENSG00000204315.3	3.907224286	3.586720081	2.678284746
PLK4	ENSG00000142731.10	4.519537318	3.449727337	2.667464878
VLDLR	ENSG00000147852.15	3.752893666	5.220719734	4.52382792
HGH1	ENSG00000235173.6	3.855121873	2.917611615	2.804351921
LBHD1	ENSG00000162194.12	4.364963534	3.988302874	3.015500603
ZNF184	ENSG00000096654.15	3.465603199	2.68329678	3.379359388
ATXN7L1	ENSG00000146776.14	2.801426777	3.788772303	3.433204931
HLA-F	ENSG00000204642.13	3.063628559	4.410331912	5.489947982
MCM10	ENSG00000065328.16	5.222778532	2.932332519	2.661013139
PAWR	ENSG00000177425.10	4.270603722	3.996568351	4.58772522
SLC26A11	ENSG00000181045.14	3.281087186	4.47451506	5.144584156

CKMT2-AS1	ENSG00000247572.7	3.987092725	4.21296992	4.824837661
UMAD1	ENSG00000219545.11	3.234287656	3.514744224	3.560857441
HAUS5	ENSG00000249115.8	3.939999524	3.674630647	2.642414443
TUBD1	ENSG00000108423.14	3.428347116	2.726957421	2.91345951
ACSS1	ENSG00000154930.14	4.61517603	5.860704878	2.714076124
PDSS2	ENSG00000164494.11	3.854851158	3.893863338	3.216848704
SHPK	ENSG00000197417.7	3.393579442	3.303769911	3.49509505
DNAJC17	ENSG00000104129.9	4.613059963	3.832244168	3.339677548
LINC00847	ENSG00000245060.6	3.195014751	2.730354632	5.058262731
TBC1D22A	ENSG00000054611.13	4.232382055	4.697814362	4.516997568
RNF38	ENSG00000137075.17	4.377458254	3.831723253	4.140712156
IRS2	ENSG00000185950.8	6.990491353	5.306907605	5.610716061
GTDC1	ENSG00000121964.14	2.920814337	3.149078415	3.847947966
FAM122A	ENSG00000187866.8	3.40760675	3.916381109	2.821059911
ZUFSP	ENSG00000153975.9	3.873048287	3.571189071	3.492685345
CEP68	ENSG00000011523.13	3.085444019	3.25849818	3.118870053
ARHGAP32	ENSG00000134909.18	3.770808053	3.325825473	5.384751725
AGFG2	ENSG00000106351.12	3.181428003	2.93846049	2.814091823
DCP2	ENSG00000172795.15	3.579255837	2.983346923	3.946961968
PDPK1	ENSG00000140992.18	4.0501557	2.918826917	4.589783875
GPR89A	ENSG00000117262.18	2.994424312	3.819456956	2.883850785
ASB1	ENSG00000065802.11	3.399442748	3.29799038	4.014729566
FRMD4A	ENSG00000151474.21	7.282680279	7.15464244	5.796815462
MTBP	ENSG00000172167.7	4.346536057	3.340554059	2.676992611
MAP1LC3A	ENSG00000101460.12	4.136494445	4.050162292	2.708683143
HYLS1	ENSG00000198331.10	4.865005858	2.761779377	3.195127184
ARMCX6	ENSG00000198960.10	2.875779145	4.546108665	4.148369657
DHRS1	ENSG00000157379.13	3.487070316	3.718183386	2.696467691
BTN3A2	ENSG00000186470.13	3.528509436	4.026855626	3.642075824
TRAF6	ENSG00000175104.14	2.751286269	3.471927036	3.790250334
SUV39H1	ENSG00000101945.16	4.648071094	3.452027071	3.091638748
RAB21	ENSG00000080371.5	3.750859242	3.581165359	2.712621532
GOLGA8A	ENSG00000175265.17	3.757349628	5.004779237	2.811715408
CNBD2	ENSG00000149646.12	3.744246988	2.78364713	3.045803544
CH17-340M2	ENSG00000197180.2	2.804652286	2.754476364	3.137870072
DDX12P	ENSG00000214826.5	2.984901267	2.919292612	2.93250457
RBMS2	ENSG00000076067.12	3.580754976	3.219581755	2.638718956
SCD5	ENSG00000145284.11	2.681361856	4.432818384	4.27170244
AADAT	ENSG00000109576.13	4.753137703	2.676531328	3.160327072
PEX7	ENSG00000112357.12	3.308017444	2.718209641	2.961275734
MBD5	ENSG00000204406.12	2.765624802	3.941219548	3.640972348
MDN1	ENSG00000112159.11	4.025926058	4.104874542	2.585910562
WHAMM	ENSG00000156232.7	2.786393867	2.837713419	3.256949963
PGAP3	ENSG00000161395.13	3.275339311	2.687637468	4.026148984
ARNT2	ENSG00000172379.20	5.936795407	5.053674464	6.298629601
OGFOD2	ENSG00000111325.16	4.114181522	3.244171246	5.076635381

ZNF786	ENSG00000197362.14	3.374671554	3.313510634	3.030183136
PAQR3	ENSG00000163291.14	3.732532611	4.294456693	3.951498194
ISCA2	ENSG00000165898.13	3.244876705	3.09852012	3.504685764
VRK1	ENSG00000100749.7	5.813632654	3.719528378	2.701528051
AP4B1	ENSG00000134262.12	4.510633875	3.902951275	2.876935156
EP400NL	ENSG00000185684.13	3.814207784	3.335217703	4.200161556
DLEU2	ENSG00000231607.10	5.652783522	3.414160506	2.59125912
CLDN15	ENSG00000106404.13	3.403839291	4.36666689	4.206107874
RABL3	ENSG00000144840.8	3.444790812	3.594008241	2.653184698
HEG1	ENSG00000173706.12	6.177984299	5.015778206	2.619293286
CHMP4A	ENSG00000254505.9	3.998022484	3.530322598	4.76765385
ELOVL6	ENSG00000170522.9	5.291798381	2.794121612	4.151416656
SPATA6	ENSG00000132122.11	4.524601575	3.033091165	2.83143786
CBWD5	ENSG00000147996.16	4.355724093	3.474191092	2.840046779
TMEM198B	ENSG00000182796.13	4.888092301	3.271757865	3.107315805
TMEM53	ENSG00000126106.13	3.744544628	3.080426535	2.63634848
MAP3K4	ENSG00000085511.19	4.251271617	3.860507429	2.795529738
PLEKHG2	ENSG00000090924.14	3.933011193	5.418535875	3.340932411
JAK2	ENSG00000096968.13	2.724285909	3.62137832	2.977310625
ZNF584	ENSG00000171574.17	3.80752946	3.207345055	3.617913446
PAG1	ENSG00000076641.4	2.657958371	6.033282119	3.562501307
ARL4D	ENSG00000175906.4	4.758513863	3.143498042	3.116938162
DTWD2	ENSG00000169570.9	3.554592511	3.613238105	3.548626172
KNL1	ENSG00000137812.19	5.065999939	3.418139637	2.617736322
OTUD3	ENSG00000169914.5	3.210890603	4.056390054	3.551591806
RPL13AP25	ENSG00000136149.6	4.117804508	3.6955834	3.206416571
SLC25A35	ENSG00000125434.10	3.453213159	2.938912372	3.129881564
ZNF845	ENSG00000213799.11	2.66218079	2.89896754	2.863220581
ZNF707	ENSG00000181135.15	3.988661938	4.081372602	3.359453931
SYNGAP1	ENSG00000197283.15	4.128183349	4.32440519	4.278496881
FAM46A	ENSG00000112773.15	5.019201208	3.830870054	2.568644634
EFHC1	ENSG00000096093.15	3.326342131	3.131816601	3.739925367
TMEM250	ENSG00000238227.7	3.984087893	4.014072023	3.776064126
C18orf32	ENSG00000177576.11	3.012692638	4.615559325	4.018843292
LIF	ENSG00000128342.4	4.869774323	5.52444083	8.357600869
ENKD1	ENSG00000124074.11	5.338431247	2.718291248	4.46665436
ZNF496	ENSG00000162714.12	5.366453132	2.69262888	4.402065024
GCNT2	ENSG00000111846.16	3.328903262	2.700476631	3.999292025
SFR1	ENSG00000156384.14	3.77156002	2.791376105	3.577812151
ACADSB	ENSG00000196177.12	3.753081704	3.655895057	4.237289493
AUH	ENSG00000148090.11	3.247377684	4.973639829	3.842205962
VAV2	ENSG00000160293.16	4.130774441	4.398368717	2.830882334
WDFY2	ENSG00000139668.8	3.49585116	3.333043748	2.625577822
OSGIN1	ENSG00000140961.12	2.805260156	4.423108843	4.524659695
ADGRG1	ENSG00000205336.11	7.137063659	8.403362228	9.585340852
ZNF550	ENSG00000251369.8	3.329597908	2.546501689	2.949377436

B4GALT6	ENSG00000118276.11	5.14164862	4.686427053	5.292439088
OCEL1	ENSG00000099330.8	5.009018866	3.869591516	3.592834738
ANKRD9	ENSG00000156381.8	3.082763394	4.673803612	2.865884292
ZNF417	ENSG00000173480.10	3.171935511	2.794085575	3.209312407
GAD1	ENSG00000128683.13	2.658233101	4.2767246	3.651806409
FANCF	ENSG00000183161.4	3.075073363	3.932958069	3.504892861
ZNF646	ENSG00000167395.10	3.853481196	3.082998033	3.193513603
HS6ST1	ENSG00000136720.6	3.255576409	3.286546531	2.567333911
AC083799.1	ENSG00000203644.3	3.836015895	3.052775524	3.450696505
AP001972.5	ENSG00000279117.1	2.626823151	3.744825473	5.023180608
ZFP62	ENSG00000196670.13	3.226217969	3.107473747	4.328834124
WDR7	ENSG00000091157.13	3.399865397	3.765244815	3.48856809
NKAP	ENSG00000101882.9	4.003317131	3.493287495	3.844220661
NIFK-AS1	ENSG00000236859.6	3.455370501	3.288008596	2.779814951
DBNDD2	ENSG00000244274.7	3.281167717	2.654451276	6.27675808
C17orf53	ENSG00000125319.14	4.194039826	3.603679685	2.568985927
SLC35A3	ENSG00000117620.14	3.673632269	2.734878517	3.459808587
NBEAL2	ENSG00000160796.16	3.824582816	4.547600138	3.277067784
AASDH	ENSG00000157426.13	3.865059475	2.783876443	3.084485674
MTM1	ENSG00000171100.14	3.580616317	3.480095102	3.018842955
FANCC	ENSG00000158169.12	4.253351614	3.657201415	2.789058213
RHEBL1	ENSG00000167550.10	3.464360923	3.136244367	2.601578025
METAP1D	ENSG00000172878.13	2.732147062	3.548136631	4.496520796
FAM98C	ENSG00000130244.12	3.340801457	3.415964816	3.711220741
UBE2D1	ENSG00000072401.14	3.939962773	3.377399263	4.045730469
PPIAP22	ENSG00000198618.5	3.822753792	3.844556562	2.80681025
FAM126B	ENSG00000155744.9	2.583835063	4.296900855	4.001097314
GLB1L	ENSG00000163521.15	2.979019388	3.391117507	3.296213812
SPSB2	ENSG00000111671.9	4.172769501	3.412560515	3.520712668
LARGE1	ENSG00000133424.20	2.606000435	4.555081928	3.215426036
ZNF280D	ENSG00000137871.19	4.985162179	4.341946351	5.097247919
PIK3C2B	ENSG00000133056.13	3.097883218	4.152067388	3.111640663
FAM57A	ENSG00000167695.14	4.45827932	3.523726995	2.666636849
TMCO6	ENSG00000113119.12	4.253237239	2.984663211	2.738896715
NEK1	ENSG00000137601.16	3.549361514	3.121336197	3.77988754
TIMM23B	ENSG00000204152.10	3.2559216	3.056532816	3.256762133
URB1-AS1	ENSG00000256073.3	3.018766974	2.978457759	4.252764991
TBPL1	ENSG00000028839.9	5.068287978	3.154977421	3.431596822
HBEGF	ENSG00000113070.7	2.695395059	2.590767424	3.330299594
FBXO10	ENSG00000147912.12	2.829493181	2.892707427	3.781362888
PEX11A	ENSG00000166821.8	3.156831948	2.592000173	3.007211297
AC093673.1	ENSG00000232533.1	2.767410726	3.158145124	2.89412894
HILPDA	ENSG00000135245.9	4.491114943	4.772072473	3.390598339
TBCK	ENSG00000145348.16	3.034945602	2.624407362	3.688190636
GCA	ENSG00000115271.10	2.601021544	4.634391759	4.345828804
DGKG	ENSG00000058866.14	3.12920117	3.240160341	3.644421107

C19orf54	ENSG00000188493.14	3.726958153	3.456465891	2.874961086
ACER3	ENSG00000078124.11	3.388850107	3.597048973	4.578696588
MITF	ENSG00000187098.14	5.511926637	8.554122358	8.311537309
ZNF766	ENSG00000196214.10	3.037270227	2.993066771	3.108139787
ERMARD	ENSG00000130023.15	4.166883704	3.076179905	3.844887688
YDJC	ENSG00000161179.13	3.968471519	3.633970279	3.718372086
ATP6V0E2	ENSG00000171130.17	4.50460896	4.031207924	5.426061853
KIAA1147	ENSG00000257093.6	3.736907714	4.002309334	3.741868025
NETO2	ENSG00000171208.9	5.206942596	3.655927957	3.486668114
WDPCP	ENSG00000143951.15	2.736391848	3.667727751	4.125173193
ZNF160	ENSG00000170949.17	3.619598159	3.431046363	3.70525133
BAG2	ENSG00000112208.11	3.684245407	2.652856158	3.443667334
MBLAC2	ENSG00000176055.9	3.79487917	3.23065956	3.962406071
MKL2	ENSG00000186260.16	3.390802199	3.183345739	3.886305117
C9orf3	ENSG00000148120.16	5.293856326	4.572171243	4.828644971
PRPF40B	ENSG00000110844.13	4.431963823	4.059449113	4.50975677
IFIT5	ENSG00000152778.8	5.005790321	2.604143829	3.950059756
FOXO4	ENSG00000184481.16	3.733099063	3.839421729	4.369405973
PDE4B	ENSG00000184588.17	3.123026796	5.616848969	2.694684616
RMRP	ENSG00000277027.1	3.702250284	3.781351118	3.099767885
ZNRF1	ENSG00000186187.11	4.467694188	3.753154724	5.088779013
HAUS2	ENSG00000137814.10	3.400483225	4.51929852	3.751467471
AC009403.1	ENSG00000216895.9	3.063862187	3.01777417	3.191959203
ACTR3B	ENSG00000133627.17	4.014765613	3.725673857	2.671560928
IKBKE	ENSG00000263528.7	3.516653093	2.66074079	2.964902459
NOL4L	ENSG00000197183.14	4.439689047	4.392844464	5.010492409
NUDCD2	ENSG00000170584.10	4.064415036	2.783636297	4.087726456
AMMECR1	ENSG00000101935.9	4.431702632	3.83586001	2.5792986
STX6	ENSG00000135823.13	3.845476066	3.990975826	3.071227525
WASF1	ENSG00000112290.12	5.481450468	3.658446486	2.651157511
RP9P	ENSG00000205763.13	2.607206735	3.98290704	4.125296194
CDK5R1	ENSG00000176749.8	2.81418064	4.857624209	6.162327334
AP1S3	ENSG00000152056.16	2.714659071	5.099537362	4.848057998
PRKX	ENSG00000183943.5	3.703798886	3.092348737	3.626781697
BOLA2-SMG1	ENSG00000261740.6	4.222577485	3.311868442	2.832744979
KIAA1586	ENSG00000168116.13	3.427046972	3.346370103	3.43189558
AMACR	ENSG00000242110.7	5.334014773	3.612304715	3.4357054
PRRT1	ENSG00000204314.10	3.800166644	3.809278858	3.029984821
FRRS1	ENSG00000156869.12	2.660412701	2.941367272	2.919743725
CRTC1	ENSG00000105662.15	4.170931239	3.54289764	3.392647715
PTBP2	ENSG00000117569.18	3.97106191	3.021947352	2.933662957
ARRDC2	ENSG00000105643.9	4.837442995	4.776189274	3.38385615
CLN8	ENSG00000182372.9	3.566027244	3.113531031	3.774588919
TRPM8	ENSG00000144481.16	3.503092542	4.555007509	4.712971529
SGMS1	ENSG00000198964.13	3.248454655	3.054576615	2.779665065
AC073508.3	ENSG00000278834.1	3.756525877	3.348095792	3.644281735

PDCD2L	ENSG00000126249.7	4.422885153	3.838013388	3.475488881
SNX16	ENSG00000104497.13	3.476259483	3.138909941	2.971440828
EPG5	ENSG00000152223.12	2.889063615	5.203928539	5.188883978
ZNF7	ENSG00000147789.15	4.820041809	3.677850287	3.882852558
BPHL	ENSG00000137274.12	2.600555458	4.426394959	5.028509141
C15orf39	ENSG00000167173.18	4.267427441	5.333401311	2.883913177
HAUS8	ENSG00000131351.14	4.901577448	4.571001477	2.62175625
POMK	ENSG00000185900.9	3.269547449	3.076308762	3.013043893
ZNF764	ENSG00000169951.9	3.345667338	2.988355991	3.134853099
LMF1	ENSG00000103227.18	2.745964628	3.259005015	3.406986074
MYO6	ENSG00000196586.13	3.470790413	4.089170059	4.908628428
PBX3	ENSG00000167081.16	4.645815693	3.814378376	3.353009556
BCAM	ENSG00000187244.10	2.972252015	2.799700645	2.64388014
SAYSD1	ENSG00000112167.9	3.342639153	2.623671665	4.372121529
GLI4	ENSG00000250571.6	4.662621078	4.002279768	3.51100121
ASB9	ENSG00000102048.15	4.761536355	2.759775315	2.913893706
MTMR3	ENSG00000100330.15	3.399902671	4.128846423	4.811455554
ZNF283	ENSG00000167637.16	3.508350747	2.792806607	3.38035951
ABHD14A	ENSG00000248487.8	4.344366278	3.796513918	2.614348768
NMT2	ENSG00000152465.17	3.420717332	3.14243112	2.699751642
MT-TY	ENSG00000210144.1	4.936280999	5.38497966	4.398851924
TDRKH	ENSG00000182134.15	4.358926045	4.294035864	4.297713657
MEIS3P1	ENSG00000179277.9	3.300246187	3.201441816	3.28613437
PHLDB3	ENSG00000176531.10	3.877489359	3.597852675	3.701401332
NME3	ENSG00000103024.7	3.951915093	3.180447446	3.426723631
ESCO2	ENSG00000171320.14	4.22493711	3.709275831	2.492063949
SLC36A4	ENSG00000180773.14	3.755212619	2.617828489	3.086386591
SKIL	ENSG00000136603.13	4.81522726	4.559512069	3.683028519
SLC25A16	ENSG00000122912.14	2.847770553	4.787206604	3.517236423
KREMEN1	ENSG00000183762.12	2.541142888	5.319854238	4.895987959
FAM213B	ENSG00000157870.14	2.780655927	3.597773016	3.955967243
OLMALINC	ENSG00000235823.2	4.798419104	2.658307716	3.896887432
ETS2	ENSG00000157557.11	4.364297667	2.73383866	3.806684707
PSAT1	ENSG00000135069.13	8.42326301	7.943547252	7.687825571
KLHL23	ENSG00000213160.9	3.063079692	3.705325041	4.358610126
LIN52	ENSG00000205659.10	3.587064004	3.411233883	3.147891255
DTWD1	ENSG00000104047.14	4.235155062	3.768764739	3.359568204
C11orf95	ENSG00000188070.9	4.31664089	4.18950231	3.436829412
ARHGEF9	ENSG00000131089.15	4.106104367	2.741417841	3.062638463
DNLZ	ENSG00000213221.4	4.989937547	4.575307584	4.125057265
ZNF302	ENSG00000089335.20	3.186424489	3.528049147	3.069339879
SPOPL	ENSG00000144228.8	2.986397088	3.191013073	4.343110687
AP001372.2	ENSG00000254837.2	2.654398008	2.854622494	3.97955333
RAB3A	ENSG00000105649.9	4.35895014	5.607099372	5.369859774
ST6GALNAC6	ENSG00000160408.14	3.224821965	3.735235756	2.672455139
DNMT3A	ENSG00000119772.16	2.780195797	3.813073209	4.750905915

GEMIN8	ENSG00000046647.13	3.879900908	2.571107295	3.916974905
HELQ	ENSG00000163312.10	3.119787652	3.024520578	2.799084941
COMTD1	ENSG00000165644.10	3.529835698	4.436960762	4.099779369
MFSD8	ENSG00000164073.10	3.367925695	3.222902591	2.811082402
FGFRL1	ENSG00000127418.14	6.018850091	4.352565476	3.852387017
THUMPD2	ENSG00000138050.14	3.201823836	3.2740898	2.592611342
ZKSCAN2	ENSG00000155592.15	3.526194325	3.127315018	3.425514586
PRKAR2B	ENSG00000005249.12	5.570977609	4.535181424	3.359889834
NCOA7	ENSG00000111912.19	5.248771983	2.797939654	4.55833851
DBP	ENSG00000105516.10	4.612643905	3.874482404	5.246351965
ZNF81	ENSG00000197779.13	2.817511773	2.840147496	2.764818477
RRAS	ENSG00000126458.3	4.522573178	5.439469875	2.969549586
FCHSD2	ENSG00000137478.14	4.539260774	4.20853674	3.872844176
IL17RA	ENSG00000177663.13	3.194846034	3.527940343	3.211900725
ZNF197	ENSG00000186448.14	4.179628785	3.66898599	4.635680569
AC108010.1	ENSG00000242588.5	2.624513856	4.098533118	4.06412963
USP45	ENSG00000123552.17	3.23100936	3.271607499	2.874238873
ARHGAP19	ENSG00000213390.10	4.57875591	3.163923698	3.641982482
ZNF432	ENSG00000256087.6	3.213639261	4.228726165	2.626672537
FAM76B	ENSG00000077458.12	4.625950958	2.675400166	4.317863341
TRIM62	ENSG00000116525.13	5.478527933	6.242827142	2.61859194
CMIP	ENSG00000153815.16	4.148089853	4.861001192	3.552430529
POLE2	ENSG00000100479.12	4.292140024	2.652133744	2.934935492
RGS12	ENSG00000159788.18	2.941322254	2.683810537	8.587292405
USP18	ENSG00000184979.9	2.52199318	3.458577764	3.722769277
HES6	ENSG00000144485.10	2.801347888	7.018879565	3.741720598
ZNF672	ENSG00000171161.12	4.853212688	3.830713216	3.318021688
MTHFD2L	ENSG00000163738.18	3.542358032	3.522513697	3.025935131
IFIH1	ENSG00000115267.5	2.696856381	4.15712489	4.500631702
CDC42SE2	ENSG00000158985.13	3.982138645	3.405837376	3.954727186
PARS2	ENSG00000162396.5	3.55861531	3.08480381	2.492917143
ADARB1	ENSG00000197381.15	3.111863755	3.345819422	5.790986358
LIN7B	ENSG00000104863.11	2.524525981	3.706954519	3.483700495
ZNF566	ENSG00000186017.14	3.86580071	2.690733972	2.713603835
SASS6	ENSG00000156876.9	4.877702602	3.161595283	2.531490055
NRAV	ENSG00000248008.2	3.650990748	3.927719419	4.158138298
MANEAL	ENSG00000185090.14	4.278391424	3.020840083	3.79434168
TMEM170A	ENSG00000166822.12	4.246019665	3.689197217	3.97026192
CAMK4	ENSG00000152495.10	3.704549568	2.546044683	3.775239052
CAMKMT	ENSG00000143919.14	3.412716808	3.70802846	2.580824414
FBXO4	ENSG00000151876.12	3.771028611	3.112189564	2.455928205
ZNF703	ENSG00000183779.6	2.470151383	7.69603509	7.178552187
PGAP1	ENSG00000197121.14	2.494730924	3.548849835	3.425845454
AC090204.1	ENSG00000247134.6	2.762663236	4.901773241	3.993621328
POLR2J3	ENSG00000168255.19	3.334969367	3.973504295	3.570100649
BEX4	ENSG00000102409.9	3.511186773	5.405395796	6.928886643

KAZN	ENSG00000189337.16	2.500144533	5.024531469	6.391381647
AC005912.1	ENSG00000227081.5	4.258902137	3.347163904	2.662864478
ZNF26	ENSG00000198393.7	3.57782874	2.961524694	2.994804936
CPS1	ENSG00000021826.14	3.808599627	4.417634659	2.583415591
WDR20	ENSG00000140153.17	3.399629072	3.262177474	2.633308557
MFSD13A	ENSG00000138111.14	2.941362132	2.617239023	3.140630165
ACOT13	ENSG00000112304.10	2.486775161	4.082774174	3.934409111
ST6GALNAC4	ENSG00000136840.18	4.576090175	4.818554942	2.558110824
GPHN	ENSG00000171723.15	3.905976123	2.698758865	3.532170996
ZNF649	ENSG00000198093.10	3.12262187	3.102127651	2.561115174
RAC3	ENSG00000169750.8	3.549222007	4.671365725	4.817086833
BARD1	ENSG00000138376.10	2.969661931	2.594329509	2.625311006
METTL16	ENSG00000127804.12	4.433080949	3.413450699	4.022617276
LIN37	ENSG00000267796.7	3.694888043	4.255233102	3.79414819
DCLRE1B	ENSG00000118655.4	4.098332825	3.242692956	2.639058394
MMP15	ENSG00000102996.4	3.78866603	2.489668889	3.665880362
POLR3F	ENSG00000132664.11	4.43694643	4.330370251	3.011191737
KDM4B	ENSG00000127663.14	4.047400467	4.293972721	4.052164689
ZNF765	ENSG00000196417.12	3.009831423	3.045760972	3.080548761
OPHN1	ENSG00000079482.12	4.546457673	5.494060056	2.578393751
USF3	ENSG00000176542.9	3.409109624	3.10861637	3.138431883
WWC2	ENSG00000151718.15	3.947209583	3.449254877	3.932818602
KRCC1	ENSG00000172086.7	3.727495274	4.122526438	3.276247038
GPR157	ENSG00000180758.11	2.702419869	4.40827852	3.347184803
AC008560.1	ENSG00000253251.2	3.047025189	2.518801948	3.165785593
TTC12	ENSG00000149292.16	3.70762885	2.773592813	3.003551831
PJA1	ENSG00000181191.11	3.642125504	4.639999305	4.525708217
MSRB2	ENSG00000148450.12	2.491152294	4.290150152	6.170795573
ZNF836	ENSG00000196267.12	2.649471014	2.670043202	3.193042341
GORAB	ENSG00000120370.12	4.489913163	3.474139801	3.990291017
BBC3	ENSG00000105327.17	3.649705509	3.677014466	5.434500109
ZNF45	ENSG00000124459.11	4.372716578	2.526545301	3.213977349
ERN1	ENSG00000178607.15	2.458396742	3.147625879	5.301435856
C12orf29	ENSG00000133641.17	5.321930049	3.976455379	2.455025655
SLC24A1	ENSG00000074621.13	3.174630847	2.94457474	3.833347474
SLF1	ENSG00000133302.12	4.698359938	2.651106802	3.009344305
ZBED3	ENSG00000132846.5	3.962711513	2.487014733	3.703835508
BACE1	ENSG00000186318.16	5.340999008	2.426994736	2.983613744
TPM3P9	ENSG00000241015.2	3.377626127	3.501936545	2.675902336
FAM109A	ENSG00000198324.13	3.33404991	3.315735534	2.692960912
HMGNS	ENSG00000198157.10	2.733065499	4.804830722	3.439155082
POLI	ENSG00000101751.10	3.258857447	3.568877736	3.658132417
LINC-PINT	ENSG00000231721.6	3.238192923	3.885977874	4.382386525
CD82	ENSG00000085117.11	2.727022704	5.338674345	6.186417011
ZNF544	ENSG00000198131.13	4.810578581	3.283462885	3.402289025
ORC1	ENSG00000085840.12	5.52858481	4.106313164	2.495468528

ARG2	ENSG00000081181.7	4.452812308	2.748353822	4.623058812
SESTD1	ENSG00000187231.13	3.042958488	4.262541905	2.485160097
KAZALD1	ENSG00000107821.14	4.350030659	3.30423153	2.67887846
CKB	ENSG00000166165.12	5.710345615	5.935344883	4.475794817
AC091729.3	ENSG00000229043.2	3.686507735	3.715528673	2.744431331
PDE7A	ENSG00000205268.10	3.950341203	2.612586388	3.542702691
MXD4	ENSG00000123933.16	4.206031442	3.600566218	4.893693601
ADCK5	ENSG00000173137.11	2.75299465	3.421285234	2.512475063
RAB11FIP1	ENSG00000156675.15	3.288945899	3.464097458	4.086219729
ZNF749	ENSG00000186230.6	4.21218442	2.459350003	4.820673777
HIVEP3	ENSG00000127124.14	5.583004918	2.495541981	3.321249594
FOSL2	ENSG00000075426.11	3.004646836	6.8948074	3.478090999
PGM3	ENSG00000013375.15	4.221511923	4.359631643	4.120831481
OSBPL5	ENSG00000021762.19	3.581970676	4.671281429	3.234571507
CREB3L4	ENSG00000143578.15	4.845344842	3.92984926	2.946196769
TTPAL	ENSG00000124120.10	3.379981645	2.929271779	3.079006072
ZNF365	ENSG00000138311.15	3.463407103	3.324906978	4.548952959
SPAG1	ENSG00000104450.12	3.690100797	4.143849722	4.155827981
DHODH	ENSG00000102967.11	4.636460321	4.08947771	3.569604012
SCAMP5	ENSG00000198794.11	3.906236241	4.771686662	2.834185074
HOXB4	ENSG00000182742.5	3.931354251	2.759245223	3.978503977
PRDM10	ENSG00000170325.14	3.019556086	2.706884298	2.599154987
BORCS6	ENSG00000196544.7	3.257150353	2.855902657	2.417189128
NAPEPLD	ENSG00000161048.11	2.962087125	3.073483838	2.665555318
SNORA8	ENSG00000207304.1	4.543564796	2.777623921	4.867056879
ARIH1	ENSG00000166233.14	3.421102625	3.707452839	3.558741743
TOGARAM1	ENSG00000198718.12	3.143205205	2.86827422	3.108033306
MAPK11	ENSG00000185386.14	2.823900564	4.545738731	4.168075244
ACSF2	ENSG00000167107.12	2.580402832	6.540943739	4.073273754
NAPB	ENSG00000125814.17	2.631387264	3.809328712	2.648464461
TIGD6	ENSG00000164296.6	2.908451922	2.506763343	2.477078992
EEF1AKMT2	ENSG00000203791.14	4.136239898	2.421274497	3.902215665
FAHD2B	ENSG00000144199.11	3.629458127	6.200324366	5.379158638
SLC9A6	ENSG00000198689.10	2.619789573	3.001965487	3.283086946
GRK5	ENSG00000198873.11	5.215497458	3.445453863	3.701355439
ARL5B	ENSG00000165997.4	4.385335617	3.678906967	4.191392411
TMEM116	ENSG00000198270.12	3.478625968	2.924367185	2.478992691
PYGO1	ENSG00000171016.11	3.535499253	3.087393953	3.732425327
RFX7	ENSG00000181827.14	4.130547769	3.380986521	3.560810353
MT-TD	ENSG00000210154.1	2.960058382	5.519089953	3.661366815
RPP14	ENSG00000163684.11	3.556940119	3.413580393	2.67588358
ATAD2B	ENSG00000119778.14	3.024291355	2.980892817	2.411445479
NSUN5P2	ENSG00000106133.17	3.404064647	3.859087914	3.275245723
PTGR2	ENSG00000140043.11	3.051713528	2.484443331	2.998748998
PMS2P3	ENSG00000127957.17	3.468145547	4.01894136	3.390765353
SLC44A1	ENSG00000070214.15	5.727951354	6.737886045	2.547666971

ABTB1	ENSG00000114626.17	3.94651162	4.278347272	4.47507433
SMAD1	ENSG00000170365.9	3.848407141	2.58384874	3.722872381
AC016747.1	ENSG00000212978.6	3.638513127	4.172778474	2.479224708
SGK494	ENSG00000167524.14	3.708783595	4.477387279	3.883904931
ZNF780B	ENSG00000128000.15	3.172951004	3.146014209	3.252889865
ZC3H12C	ENSG00000149289.10	2.435874666	3.009438082	4.840357691
MSANTD2	ENSG00000120458.10	3.587144915	2.432637427	3.036552931
ZNF322	ENSG00000181315.10	2.589291988	2.623567121	3.878338083
TCF20	ENSG00000100207.18	3.465471173	3.861302467	3.808943415
ZNF767P	ENSG00000133624.13	3.263488305	3.146613218	3.497538637
C16orf87	ENSG00000155330.9	4.457108848	2.493271826	3.229970081
ALPK1	ENSG00000073331.17	3.813167285	2.497369441	5.003383496
ZNF559	ENSG00000188321.13	3.109897405	4.237932556	3.754786886
WFS1	ENSG00000109501.13	2.996521403	3.528348714	7.34105711
METTL15	ENSG00000169519.20	3.142217813	3.279687812	4.191933873
BBS9	ENSG00000122507.20	3.082360685	4.298347271	4.79413706
CEP57L1	ENSG00000183137.14	3.394310187	3.331341569	2.545656223
FBXW9	ENSG00000132004.12	5.186811866	3.101027181	2.688685338
DCLRE1C	ENSG00000152457.17	2.846056526	3.310498482	3.588453249
DLG5	ENSG00000151208.16	4.767673908	2.441121213	4.068921548
FHL2	ENSG00000115641.18	5.089824358	5.507967638	6.51838856
DNA2	ENSG00000138346.14	4.335629009	2.508273829	2.801330924
ZNF319	ENSG00000166188.2	2.904527664	2.425901577	3.493531255
MCPH1	ENSG00000147316.12	3.998835935	2.414127581	4.23549067
SFT2D3	ENSG00000173349.5	2.483035633	3.104240781	2.908942043
FAM172A	ENSG00000113391.18	4.036752994	3.381818132	4.652170873
PARP11	ENSG00000111224.13	2.582954031	2.599340829	3.923045602
PCYOX1L	ENSG00000145882.10	3.349085151	3.057395382	3.06814502
NIPSNAP3A	ENSG00000136783.9	4.333856355	4.548277461	2.380800864
C15orf41	ENSG00000186073.11	3.43820335	3.109680422	3.298401082
NAA30	ENSG00000139977.13	3.27171828	3.597545747	3.679109471
TARSL2	ENSG00000185418.15	2.473977948	3.673345605	3.819452515
ROR1	ENSG00000185483.11	2.513046283	3.108791583	2.861458463
TTK	ENSG00000112742.9	5.091107651	3.668418689	2.52146958
PIGV	ENSG00000060642.10	3.769813338	3.651320527	3.080125317
EHHADH	ENSG00000113790.10	2.432297551	4.300854299	3.193938882
FAM76A	ENSG00000009780.15	3.23353544	3.280674944	2.537914053
DFFB	ENSG00000169598.15	3.247375305	3.449335295	2.519469583
SPAST	ENSG00000021574.11	3.421445244	2.823013643	3.108515948
BTBD6	ENSG00000184887.13	4.825638659	5.203119414	2.614403399
CLK4	ENSG00000113240.12	3.533441207	2.514964365	3.286542285
PRKCZ	ENSG00000067606.16	4.512495757	5.442881247	5.472597815
PHF7	ENSG00000010318.20	3.70750072	4.046774474	2.967885266
ANTXR1	ENSG00000169604.19	5.72582189	6.643814109	2.607559608
FRAT2	ENSG00000181274.6	5.098667967	3.345196883	3.460513612
PKK1	ENSG00000152256.13	3.086317252	2.663046687	3.782155171

HLA-DMB	ENSG00000242574.8	5.086285983	3.60610316	2.959348715
NR1H3	ENSG00000025434.18	3.785174681	3.771006385	2.873901109
CPVL	ENSG00000106066.14	4.447474546	6.334946166	5.933688365
ZNF275	ENSG00000063587.13	2.813310011	4.349141625	3.24908751
UBE2Q2P2	ENSG00000259429.5	2.88045944	2.565889243	4.513980575
HTRA1	ENSG00000166033.11	7.2304314	7.044412273	2.474150963
ZNF292	ENSG00000188994.12	2.99913062	2.495227268	2.743545546
TRMT61A	ENSG00000166166.12	4.091255815	3.683375983	2.433295059
AJUBA	ENSG00000129474.15	3.865531427	2.378270546	3.39062403
UPRT	ENSG00000094841.13	3.707281788	2.994799338	3.451297563
TNNT1	ENSG00000105048.16	3.637520255	4.718528375	3.183554387
DET1	ENSG00000140543.14	3.278388639	2.868518742	3.250611543
PARP8	ENSG00000151883.17	3.760235775	3.809123108	4.433777126
NPDC1	ENSG00000107281.9	5.351127016	6.539095698	4.994406475
KCTD21	ENSG00000188997.7	2.412810864	3.742094686	3.277146101
DBT	ENSG00000137992.14	3.325143969	2.869309873	2.390007605
PELI1	ENSG00000197329.11	4.927805843	4.465710379	4.446305699
PTER	ENSG00000165983.14	2.86012693	2.521028819	4.35494891
WASH4P	ENSG00000234769.7	3.003609714	2.929691386	2.532008307
PXYLP1	ENSG00000155893.12	7.396730445	2.989141234	3.018024844
ZBTB39	ENSG00000166860.2	3.679611178	3.065603644	2.707230142
MSC	ENSG00000178860.8	4.125366375	2.426422592	5.135778603
PMS2CL	ENSG00000187953.10	3.336776969	3.833480446	3.311826289
TMEM132A	ENSG00000006118.14	4.678244527	5.482441131	2.401222183
CSRNP1	ENSG00000144655.14	3.793593985	2.847759484	2.942637692
AC139887.2	ENSG00000249592.5	3.030674713	2.556679079	4.432960984
ITPR3	ENSG00000096433.10	6.231738505	5.492416398	5.588309835
MTRF1L	ENSG00000112031.15	4.342138489	4.170706692	3.113387192
EVA1C	ENSG00000166979.12	2.609787172	4.068695059	2.803602783
GTF2IP1	ENSG00000277053.4	3.743114412	3.190705457	2.853776359
MAPK8	ENSG00000107643.15	3.613358745	2.883681834	2.695276499
AC090498.1	ENSG00000279483.2	4.738729247	3.889935532	2.712152781
SIX5	ENSG00000177045.7	4.804351922	3.260096362	2.537733412
TRMO	ENSG00000136932.13	3.610620572	3.469728616	2.615610625
ELAC1	ENSG00000141642.8	3.340578879	3.164316557	2.636125906
VPS13B	ENSG00000132549.18	3.307950895	3.276243491	3.615076457
FOXD3-AS1	ENSG00000230798.5	4.602028994	3.993524719	4.373574639
C8orf82	ENSG00000213563.6	3.730374079	2.74328945	4.027279374
ITPR2	ENSG00000123104.11	4.005556768	4.893964936	5.402349203
C1orf21	ENSG00000116667.12	3.290192495	4.057297881	4.061698001
FAAP24	ENSG00000131944.9	3.266759386	2.47679609	3.106331627
RALGAPA1	ENSG00000174373.16	3.342871958	3.301001411	3.735415116
C14orf159	ENSG00000133943.20	3.867675487	3.315206704	2.788477977
ZBED8	ENSG00000221886.3	3.359559896	2.877209496	3.232014606
LINC01128	ENSG00000228794.8	4.003058401	3.838644479	3.854544369
LINC00909	ENSG00000264247.1	3.347212425	3.189012286	3.511615834

BBS5	ENSG00000163093.11	2.409641932	5.625617656	4.515352325
ZNF211	ENSG00000121417.13	3.255289866	2.431871522	3.380800755
L3HYPDH	ENSG00000126790.11	4.57207933	4.0464744	2.768832082
TMEM67	ENSG00000164953.15	4.043826426	4.763976689	2.390327313
ZNF616	ENSG00000204611.6	3.017822873	3.603205537	2.700427
ZBTB22	ENSG00000236104.2	3.276820242	3.449131478	3.870116809
ARHGEF10L	ENSG00000074964.16	2.553670415	3.653654312	3.570924882
SERTAD1	ENSG00000197019.4	3.963968044	3.452055247	3.663961259
ASMTL	ENSG00000169093.15	3.194408147	3.665874335	3.914214901
CEP135	ENSG00000174799.10	4.24016229	2.49603981	2.425854448
CITED1	ENSG00000125931.10	2.463465142	3.951081948	3.836924743
NMNAT1	ENSG00000173614.13	3.081785786	3.960798375	2.349437711
ZDBF2	ENSG00000204186.7	2.44969199	3.667083333	3.381398336
DGKQ	ENSG00000145214.13	3.625771399	3.695286637	5.94141295
HFE	ENSG00000010704.18	3.002298086	3.21130571	2.954609435
DNAAF2	ENSG00000165506.14	4.059883501	3.082585639	2.95361845
DENND5B	ENSG00000170456.15	4.585005092	4.085220994	2.423592494
ANKRD49	ENSG00000168876.8	3.453145052	2.952968485	3.004612526
GRPEL2	ENSG00000164284.14	4.245005123	3.167591317	4.085300868
IFT140	ENSG00000187535.13	4.288371004	3.196395762	4.3148578
PC	ENSG00000173599.13	5.115254455	5.042647681	3.892363818
DOPEY2	ENSG00000142197.12	2.526889146	3.168011448	4.220485169
ZGRF1	ENSG00000138658.15	3.514602587	2.774827608	2.566800873
LCORL	ENSG00000178177.15	3.541753175	2.672589395	6.227184737
TMEM65	ENSG00000164983.7	2.336235824	2.535719649	3.847533991
CHST3	ENSG00000122863.5	4.067560227	2.485235578	3.32183336
TK2	ENSG00000166548.15	3.478754606	2.642913753	5.146678565
Y_RNA	ENSG00000200090.1	2.952641807	2.880624422	3.273702846
WDR89	ENSG00000140006.11	3.856457171	2.525827543	3.771789202
CHAC1	ENSG00000128965.11	4.731200354	4.450052069	4.94925622
RGL1	ENSG00000143344.15	3.392746596	3.167416389	3.933899869
IPPK	ENSG00000127080.9	4.352843996	4.228779785	2.354384144
ZNF354A	ENSG00000169131.11	4.706895965	2.718379126	4.214356458
CASP8AP2	ENSG00000118412.12	4.00836874	3.17462169	2.372308436
UBA6-AS1	ENSG00000248049.6	2.858821052	2.900084172	4.209243394
BHLHE41	ENSG00000123095.5	2.392100938	6.999235886	5.487067322
CTSK	ENSG00000143387.12	5.842389976	2.385411716	2.630193561
HEXDC	ENSG00000169660.15	3.46687395	3.216990863	4.127621347
TMEM62	ENSG00000137842.6	4.211563505	4.246959326	4.395915771
MIF4GD	ENSG00000125457.13	4.260362473	4.185320996	4.033070395
CINP	ENSG00000100865.14	4.823980224	5.128173837	2.841568632
SERPINB8	ENSG00000166401.14	3.502842177	3.693238306	4.546708682
TBX3	ENSG00000135111.15	6.058293569	3.179474797	2.378992188
MOCOS	ENSG00000075643.5	5.809269457	5.523559188	4.012965432
HSCB	ENSG00000100209.9	3.743255901	4.094592023	4.027714736
VTI1A	ENSG00000151532.13	4.504616781	3.858713714	4.425639168

INO80D	ENSG00000114933.15	2.418183475	2.965545961	3.023872997
C11orf80	ENSG00000173715.15	3.834036091	3.274831863	4.254089374
HSF2	ENSG00000025156.12	3.421203819	3.366117465	3.133620116
GALNT10	ENSG00000164574.15	4.3038423	4.195506206	4.048931614
PITPNC1	ENSG00000154217.14	5.707446835	2.786664505	3.173914953
ATP9B	ENSG00000166377.19	2.571554828	4.193389997	4.399292589
ADAMTSL5	ENSG00000185761.10	2.335840238	3.899637158	3.254529078
SESN2	ENSG00000130766.4	4.543993277	4.583644634	5.609283348
RNASET2	ENSG00000026297.15	2.742482016	3.50238416	4.465667556
HECA	ENSG00000112406.4	3.603475592	2.669574068	3.040324987
RGS14	ENSG00000169220.17	2.601587555	4.73078197	5.011215277
ZNF83	ENSG00000167766.18	4.032257629	4.767856785	5.225519565
SNORD83A	ENSG00000209482.1	3.746440084	3.877552928	2.565682119
IER5L	ENSG00000188483.7	4.760424933	4.629296514	2.714146571
ADPRM	ENSG00000170222.11	4.090079293	2.31900917	3.853764995
ITPK1	ENSG00000100605.16	6.571656201	5.889394714	2.955769057
ARAP3	ENSG00000120318.15	5.392952366	4.688959644	4.743251606
C16orf62	ENSG00000103544.14	5.892638301	4.256862504	2.547937563
GTF2H2	ENSG00000145736.14	3.549376106	2.641980366	3.842971025
C7orf31	ENSG00000153790.11	2.498394721	3.961626391	4.526390954
PAXIP1-AS1	ENSG00000273344.1	2.377026004	4.161952532	3.66496688
CENPC	ENSG00000145241.10	3.83002793	2.683817625	3.049372597
EEFSEC	ENSG00000132394.10	4.054432063	4.187508412	3.665842973
ITGA2	ENSG00000164171.10	5.068525691	3.190271117	2.767412642
PHF8	ENSG00000172943.19	4.773323687	3.979815007	4.252265051
SOCS2	ENSG00000120833.13	3.941549577	3.960756967	2.495421666
TMEM234	ENSG00000160055.19	3.149021399	3.402992503	2.916752029
CEP128	ENSG00000100629.16	2.882868663	2.53885026	3.692681982
TET3	ENSG00000187605.15	4.135391844	2.910102474	2.420536697
JUN	ENSG00000177606.6	2.939598065	2.2834036	2.965818884
MTCL1	ENSG00000168502.17	3.100194556	4.577256022	2.457891996
PRR5	ENSG00000186654.20	2.691788382	5.036480573	4.844922157
METTL8	ENSG00000123600.19	2.709216094	3.965243391	3.024668346
ZDHHC12	ENSG00000160446.18	4.346989486	5.173942107	2.694096877
ZNF251	ENSG00000198169.8	4.148837762	2.942235632	2.947045261
JAZF1	ENSG00000153814.11	3.762814088	5.335955392	2.493197454
PPM1K	ENSG00000163644.14	2.72022384	2.418010569	3.314727825
ZNF256	ENSG00000152454.3	2.502931718	2.396726128	3.213990423
MIATNB	ENSG00000244625.5	2.3017355	3.025707643	3.440026886
FAM111B	ENSG00000189057.10	4.649567862	2.35910055	3.505013985
SUFU	ENSG00000107882.11	4.634284636	3.511684056	2.726266043
ATP10D	ENSG00000145246.13	3.214399832	2.804349528	5.730165417
ZNF557	ENSG00000130544.11	3.396113413	3.125130811	2.322080262
ATXN1	ENSG00000124788.17	3.884006839	3.886818072	5.12805833
EIF5A2	ENSG00000163577.7	2.432335391	4.503998017	4.411961988
FAHD1	ENSG00000180185.11	4.882381248	6.178510403	5.732057379

NBPF8	ENSG00000270231.3	2.83984265	3.40547715	2.303800146
UVSSA	ENSG00000163945.16	3.832174328	3.041876798	5.617500904
GSE1	ENSG00000131149.18	4.31729055	3.242942992	3.005950467
MCEE	ENSG00000124370.10	3.09785255	4.0967622	2.326330806
CDKN2AIP	ENSG00000168564.5	4.860331529	3.040963627	4.133097978
L3MBTL3	ENSG00000198945.7	2.929536569	3.649709179	2.594092839
TNRC6C	ENSG00000078687.17	3.117643096	2.680608064	3.005574223
MED18	ENSG00000130772.13	4.295571053	4.61136159	4.424305499
CHRN1	ENSG00000170175.10	3.569526516	2.844510335	3.764734454
AC005562.1	ENSG00000214719.11	3.663324125	2.990131913	3.786497823
RIN3	ENSG00000100599.15	3.688807765	2.87530604	3.114289275
MRPL42	ENSG00000198015.12	4.052000784	3.822249093	2.43406975
SAMD8	ENSG00000156671.12	2.951294415	3.385901911	3.737374851
C16orf59	ENSG00000162062.14	3.709667132	3.984538347	2.412713658
RDH10	ENSG00000121039.9	4.064516775	2.882908282	2.318061943
TMEM177	ENSG00000144120.12	3.307436101	3.613904212	2.684613524
PGBD1	ENSG00000137338.5	2.354718355	2.872994046	2.970740889
TMEM107	ENSG00000179029.14	4.149888636	2.723882546	2.3897247
STK32C	ENSG00000165752.16	4.266877598	2.338473878	4.016721837
GAB1	ENSG00000109458.8	2.320189154	2.764788837	2.963735776
A1BG	ENSG00000121410.11	2.75392525	3.227813174	3.797639273
ZNF468	ENSG00000204604.9	3.971219296	3.390480695	3.796448027
GPR153	ENSG00000158292.6	5.513325545	3.538446656	3.842233616
BOLA3-AS1	ENSG00000225439.2	3.159444967	2.899991483	3.101357275
AL121832.2	ENSG00000273619.1	3.381286971	2.474989203	2.990166113
TLDC1	ENSG00000140950.15	3.714506244	3.860945539	3.75316802
ZBED1	ENSG00000214717.11	3.668316612	2.688113724	4.423021365
BCL2	ENSG00000171791.12	2.366982226	4.089050544	3.160501043
ST3GAL3	ENSG00000126091.19	3.039643596	2.435486135	2.851459967
HLA-DPB1	ENSG00000223865.10	5.711296184	2.433246179	4.473627136
MED29	ENSG00000063322.13	5.767538674	5.862857759	4.338458889
KMT5C	ENSG00000133247.13	3.785521764	2.785979851	3.611822258
PRR4	ENSG00000111215.11	3.647502595	3.009339227	4.628388745
EXOC6	ENSG00000138190.16	4.107636107	2.730818812	4.793777047
SNHG25	ENSG00000266402.3	5.034261945	3.410520533	4.072032491
ZNF446	ENSG00000083838.15	3.772185074	3.057113239	3.084433462
GMEB1	ENSG00000162419.12	3.846592391	2.957399798	2.673233777
TMEM185A	ENSG00000269556.7	3.239749191	3.432072031	3.10861969
ZNF567	ENSG00000189042.13	2.433761887	3.143694628	2.682571236
ZNF213-AS1	ENSG00000263072.6	3.507048747	3.445510038	2.757251628
KCTD11	ENSG00000213859.4	3.256287562	2.296396285	2.517498604
CNIH3	ENSG00000143786.7	3.836191009	5.331247485	5.245680855
ZNF586	ENSG00000083828.15	4.241690408	2.528204282	3.788583334
ASAP3	ENSG00000088280.18	4.935173971	3.553497127	3.63659344
ZNF430	ENSG00000118620.12	3.898769337	3.058536772	3.152431171
AC215219.1	ENSG00000226210.3	3.483420998	3.425842368	5.109428387

JADE1	ENSG00000077684.15	4.459908897	2.438001084	3.514829347
TMEM143	ENSG00000161558.10	2.565007121	2.584465183	2.642749054
ARID3A	ENSG00000116017.10	2.680183032	4.590664418	4.196109298
LYN	ENSG00000254087.7	3.666499402	3.492950229	3.648210934
PPP1R3B	ENSG00000173281.4	2.383113157	4.208496533	3.934208543
FBXO16	ENSG00000214050.7	2.457774762	3.842915474	2.593917491
MAPKAPK5-A	ENSG00000234608.7	3.282699482	2.977270783	2.711033612
ZCCHC2	ENSG00000141664.9	2.60730317	3.264559372	2.866638808
TRIM5	ENSG00000132256.18	2.998152726	3.489630588	2.921980017
CTU1	ENSG00000142544.6	3.791044213	3.227379904	2.803927217
APLP1	ENSG00000105290.11	2.452797368	5.111536024	2.751884099
CLCN2	ENSG00000114859.15	4.02173656	4.123984281	2.468549396
PWWP2B	ENSG00000171813.13	3.320193103	2.561398364	3.43688906
RAD51B	ENSG00000182185.18	2.346447505	3.236575528	4.135462404
ANKMY1	ENSG00000144504.15	2.547359276	3.527669662	4.187877085
PLEKHA3	ENSG00000116095.10	2.294618905	2.920942153	3.544246884
CTGF	ENSG00000118523.5	5.108737072	2.343378758	4.718237797
THBS3	ENSG00000169231.13	4.464252586	4.074714598	3.451042614
TSC22D3	ENSG00000157514.16	2.325173248	2.954585369	4.985422631
CYB5RL	ENSG00000215883.10	2.250619004	2.942006583	3.126227466
COL16A1	ENSG00000084636.17	5.342484273	2.397651169	3.816412346
IL16	ENSG00000172349.17	2.674832585	4.55847414	6.641515673
FOXO3	ENSG00000118689.14	2.715396071	2.80873453	3.177306002
KIAA1551	ENSG00000174718.11	3.84453128	3.01013927	2.369412409
THG1L	ENSG00000113272.13	4.318125881	2.288571655	3.339224123
ATXN7	ENSG00000163635.17	3.686286767	3.340563043	3.024598484
ZNF18	ENSG00000154957.13	3.108586528	2.47094088	3.045932734
GUSBP1	ENSG00000183666.16	4.191251231	3.669561018	3.173358676
TEF	ENSG00000167074.14	3.057731679	2.865393217	4.571518493
PRUNE1	ENSG00000143363.15	4.474551706	3.80224248	3.166612266
MYL5	ENSG00000215375.6	3.959490962	2.715807759	3.56209528
AL359915.2	ENSG00000231365.5	3.877147961	2.51956282	2.273425787
SPA17	ENSG00000064199.6	3.643304044	2.213214014	3.613218989
PLPP3	ENSG00000162407.8	4.166870425	5.453151058	2.300303082
E2F5	ENSG00000133740.10	3.427944078	3.878450588	2.732165699
ATG16L2	ENSG00000168010.10	2.640805596	2.716522293	2.900608037
KIN	ENSG00000151657.11	2.375505961	3.623246006	5.093086233
CCT6P1	ENSG00000228409.6	3.249832795	2.956568162	2.346526232
RUFY2	ENSG00000204130.12	3.404205857	3.166634208	2.963626729
FAM69A	ENSG00000154511.11	2.307562417	4.930350179	2.693751139
TRIM52	ENSG00000183718.5	3.506808114	2.321544432	3.474617792
ZBTB34	ENSG00000177125.5	3.082999462	3.750273419	2.811227044
NSUN5P1	ENSG00000223705.9	2.9632441	3.302008433	3.104563763
HERC5	ENSG00000138646.8	2.599181185	4.317773394	4.372634623
AL513302.2	ENSG00000260766.1	2.832593709	2.768845655	2.578212691
C12orf66	ENSG00000174206.12	3.215476942	3.441092498	2.934705993

GSAP	ENSG00000186088.15	2.772932382	3.864208875	4.078072464
CHST12	ENSG00000136213.9	3.133857638	3.471893689	2.581510578
TIGD7	ENSG00000140993.10	2.383551927	2.510597179	4.525179746
TMEM120B	ENSG00000188735.12	3.245805507	3.85225142	3.632518255
VANGL1	ENSG00000173218.14	3.003253667	3.177024908	2.552861378
GPR3	ENSG00000181773.6	3.89725814	3.696190691	2.237620978
C20orf194	ENSG00000088854.12	2.193840466	3.786077227	2.381690386
AC037459.3	ENSG00000253200.1	3.993278928	4.156564288	2.968533608
DDX60L	ENSG00000181381.13	2.456241526	3.435289276	3.395177134
ZKSCAN4	ENSG00000187626.8	2.262969758	2.729007728	2.807060055
EXD2	ENSG00000081177.18	3.615802037	4.003127639	4.114380984
SNHG21	ENSG00000250988.7	4.103933931	2.814164498	2.501823533
ZNF213	ENSG00000085644.13	3.749883418	3.159273136	3.062574349
ZBTB45	ENSG00000119574.12	4.483694583	3.782010505	3.577877255
SRD5A1	ENSG00000145545.11	3.603305849	3.887673145	2.506087106
CBARP	ENSG00000099625.12	2.605876172	3.777646882	3.184188594
ATP6V1E2	ENSG00000250565.6	3.973551655	2.25582383	6.565214086
VCPKMT	ENSG00000100483.13	2.625992284	2.582464355	2.710561746
PYCR3	ENSG00000104524.13	4.846721274	3.967811938	2.325827888
ELP4	ENSG00000109911.18	3.924552553	3.753000209	3.49787615
SEC14L2	ENSG00000100003.17	4.381706197	3.303087872	4.44249704
FZD1	ENSG00000157240.3	4.948720964	4.250128182	2.230224997
TRIM47	ENSG00000132481.6	4.830859702	5.188953428	5.878299534
USP30	ENSG00000135093.12	3.00088969	2.951424014	2.952754836
DIRAS1	ENSG00000176490.4	3.659140815	5.375941047	6.306504455
ZSCAN30	ENSG00000186814.13	2.452556023	3.658159232	4.206051415
IQCG	ENSG00000114473.13	2.724175188	3.276627376	2.306788157
AL355309.1	ENSG00000214748.2	3.566897277	2.431280142	2.886043756
TRIM16	ENSG00000221926.11	4.709648832	2.97590049	3.35538752
ZBTB7B	ENSG00000160685.13	3.96883241	4.348652316	3.443180848
ZNF564	ENSG00000249709.7	3.436703701	2.565166332	3.296803301
ZNF16	ENSG00000170631.14	3.170482798	2.509564161	3.12583043
ADCY1	ENSG00000164742.14	2.275451234	7.954674002	5.848756423
PRTG	ENSG00000166450.12	3.419302406	3.855808216	4.512409928
FBXL8	ENSG00000135722.8	3.002462521	2.653973271	2.582566901
TNFRSF14	ENSG00000157873.17	2.24007473	8.477132699	8.757246009
C5orf34	ENSG00000172244.8	4.328034715	3.780589016	2.341750528
DLEU1	ENSG00000176124.11	3.214625697	2.265092758	3.845592985
PPP2R3B	ENSG00000167393.17	3.688193151	2.476367035	3.763409255
LYRM7	ENSG00000186687.15	4.402827065	3.151799794	4.283899861
CCDC107	ENSG00000159884.11	2.70060591	3.795010297	2.344544554
C19orf44	ENSG00000105072.8	3.873193407	3.334455498	2.61451233
RABL2B	ENSG00000079974.17	3.838773691	3.605457679	3.535214224
GNAI1	ENSG00000127955.15	3.268751439	4.869382182	5.846584552
BVES	ENSG00000112276.13	3.159855783	3.860430025	2.250966537
RNF125	ENSG00000101695.8	4.503320333	6.047922997	2.960555837

ZNF236	ENSG00000130856.15	2.821779058	3.085254967	2.913654444
TIMM10B	ENSG00000132286.11	4.748242772	6.015447224	6.060680114
RPGR	ENSG00000156313.12	4.814553775	2.570743492	3.386688704
SMG1P1	ENSG00000237296.9	3.055160016	3.1049318	3.306654791
P3H2	ENSG00000090530.9	3.445400815	4.971772854	5.731951441
CCDC138	ENSG00000163006.11	3.921783605	3.581078003	2.263907122
BTBD7	ENSG00000011114.14	3.783227298	3.628419521	2.241905867
ASB16-AS1	ENSG00000267080.5	3.616665576	2.736427218	2.644991458
AC093323.1	ENSG00000170846.16	5.034095071	2.415504582	4.978428163
SLC45A3	ENSG00000158715.5	4.877583087	2.154993775	2.96834557
DOCK10	ENSG00000135905.18	2.3769831	5.316602019	6.245514795
FKTN	ENSG00000106692.13	4.126252196	4.494132978	2.757447247
ASTE1	ENSG00000034533.11	2.64739666	2.618231162	2.444262699
ZFPM1	ENSG00000179588.8	2.477011613	2.693921061	3.278356696
MCU	ENSG00000156026.14	4.378890622	3.652710346	3.447371348
SH3YL1	ENSG00000035115.21	2.375681817	4.006520596	3.478812762
GEN1	ENSG00000178295.14	3.41569589	2.990480108	2.56517767
SLC25A43	ENSG00000077713.18	2.940486213	3.482273721	2.57427775
RAB3D	ENSG00000105514.7	3.870903725	3.800904348	3.777285424
PTCD2	ENSG00000049883.14	3.345264399	2.815339408	2.35099121
CPT1B	ENSG00000205560.12	3.968197994	4.60875978	4.635277575
C11orf71	ENSG00000180425.11	3.407076088	2.275756108	3.745648666
ALDH6A1	ENSG00000119711.12	2.549825703	3.372431673	3.573267643
ZFHX3	ENSG00000140836.15	4.080722616	3.10411499	3.299199045
FHOD3	ENSG00000134775.15	2.757220178	3.600567086	4.785137277
SMPD2	ENSG00000135587.8	3.53808587	4.842929158	4.980303777
SEPT5	ENSG00000184702.18	3.362672714	3.148105695	4.495160253
ZNF529	ENSG00000186020.12	3.011606817	3.343279298	3.532686102
ACACB	ENSG00000076555.15	2.358612181	3.17636061	2.876148519
KIF9	ENSG00000088727.12	4.30550286	3.311844098	3.985111719
ZNF614	ENSG00000142556.18	3.598920594	2.898223495	2.179816568
PLEKHM1P1	ENSG00000214176.9	2.785056396	3.295688124	3.979239237
NT5DC3	ENSG00000111696.11	3.630203727	4.093028464	2.3233701
AL391422.3	ENSG00000270504.1	2.181158266	3.071889776	3.276752161
KHDRBS3	ENSG00000131773.13	3.501539772	3.175027045	2.214741718
IGFBP6	ENSG00000167779.7	5.388201235	2.371579726	2.213062392
AC011448.1	ENSG00000258674.5	5.117469604	4.93315131	3.544612204
NUBPL	ENSG00000151413.16	2.98760038	3.114436487	3.832531317
PAPD5	ENSG00000121274.12	4.194066154	2.337372375	3.498299743
RPGRIP1L	ENSG00000103494.12	3.377370073	2.327627028	3.130803976
BRSK1	ENSG00000160469.16	4.454208519	3.454488168	4.009538732
PRICKLE3	ENSG00000012211.12	3.752014082	4.902872164	4.130411647
KLHL11	ENSG00000178502.5	3.338774527	3.143772465	3.659228903
ERAP2	ENSG00000164308.16	2.232916042	5.305633428	2.162237118
STOML1	ENSG00000067221.13	2.826559407	2.806762733	3.366952238
SLC30A4	ENSG00000104154.6	2.263078592	2.654321242	2.969831797

ZNF267	ENSG00000185947.14	3.398395577	2.590347772	2.885115121
NUDT17	ENSG00000186364.11	3.047918671	3.564632787	2.310697296
STK19	ENSG00000204344.14	2.984800866	2.437245048	2.762301386
FAM117A	ENSG00000121104.7	2.158113459	4.231679745	4.004651047
CCDC150	ENSG00000144395.17	2.390757071	2.225708728	2.399504535
RBM14-RBM4	ENSG00000248643.5	2.967488232	2.66066525	3.871414829
YAF2	ENSG00000015153.14	4.163149969	3.534366554	2.310268518
TICRR	ENSG00000140534.13	4.25566944	2.88522139	2.260635329
SP4	ENSG00000105866.13	3.119754762	3.170111596	2.686589448
MAGI1	ENSG00000151276.23	3.483335971	3.865099018	3.73653628
ABTB2	ENSG00000166016.5	4.335224486	3.209432403	3.527013578
LENG1	ENSG00000105617.3	4.133045097	2.303614931	4.266208162
LTB4R	ENSG00000213903.8	2.971303739	2.646429673	2.67229292
TUBB2B	ENSG00000137285.9	2.477764578	5.379465575	4.829380667
RAB43	ENSG00000172780.16	2.743470469	3.087496864	2.99981606
ZBTB11-AS1	ENSG00000256628.3	3.358807213	3.02732804	2.224934626
CHIC1	ENSG00000204116.11	2.301111485	3.892182874	3.726016374
ALOX12-AS1	ENSG00000215067.9	2.783619452	2.842112526	2.443632101
CELSR2	ENSG00000143126.7	3.630252401	4.00406947	3.796270977
CDC25C	ENSG00000158402.18	4.327639845	2.296230975	2.872501327
PEX12	ENSG00000108733.9	3.92435122	2.935541969	3.798980958
TAF4B	ENSG00000141384.12	3.755239634	3.4957257	2.259555854
TBX2-AS1	ENSG00000267280.5	3.8135618	3.739946881	3.096779374
DUBR	ENSG00000243701.5	2.139492558	5.87610915	3.359538655
ZBTB47	ENSG00000114853.13	3.365671568	3.27082676	3.725192722
BORCS5	ENSG00000165714.10	3.092094087	3.756252532	4.790585044
ANK2	ENSG00000145362.17	3.0633187	3.286740361	4.939461516
NBPF11	ENSG00000263956.6	2.943269068	2.746121021	2.427138982
FOXD3	ENSG00000187140.5	3.961050747	2.757513106	2.274726148
AP005202.1	ENSG00000235552.4	5.191234416	3.911391613	3.29211406
PLD6	ENSG00000179598.5	2.646309196	2.616366199	3.123094323
DLG4	ENSG00000132535.18	5.323851301	4.059209662	3.240901831
FBXO41	ENSG00000163013.11	3.543597449	4.34635499	4.05655893
CBX2	ENSG00000173894.10	4.937003649	3.967321337	2.117099177
TBC1D19	ENSG00000109680.10	3.564510657	2.118769288	4.396841176
FANCM	ENSG00000187790.10	3.180721177	2.422655757	2.124081534
HOXD-AS2	ENSG00000237380.6	2.374359968	3.397947909	3.09992175
LRIG2	ENSG00000198799.11	2.901210117	2.97166598	2.432542525
MSRA	ENSG00000175806.14	3.77163043	2.21766373	4.522434524
LINC01138	ENSG00000274020.2	4.259717794	4.145725178	4.084073349
SNORA63	ENSG00000200418.1	3.858201757	4.060945711	2.991975774
AC027307.2	ENSG00000267317.2	2.6561787	2.648515022	3.748668006
CASTOR2	ENSG00000274070.1	2.954544049	2.489970818	2.362369235
MARCH8	ENSG00000165406.15	3.332794649	3.4350274	4.1211276
APAF1	ENSG00000120868.13	3.628479153	3.560677293	2.146486066
IL27RA	ENSG00000104998.3	5.241669841	4.857796015	2.744589062

MRPS31P4	ENSG00000250299.5	3.446669703	2.251793384	2.758833915
RNF215	ENSG00000099999.14	3.716849354	4.500831462	4.324455466
ADGRA2	ENSG00000020181.17	3.062185495	2.261278733	3.193573698
ZFAT	ENSG00000066827.15	3.385203458	2.753387536	2.221742965
RETREG1	ENSG00000154153.13	4.737540219	4.577381055	5.771144491
FAR2	ENSG00000064763.10	3.749871865	3.676220093	3.439028421
ELL2	ENSG00000118985.15	2.900258919	2.682443637	2.162653411
PPIP5K1	ENSG00000168781.21	2.572396191	3.399928215	4.010396331
LANCL2	ENSG00000132434.9	3.863316024	3.087190161	2.321525995
ZNF669	ENSG00000188295.14	3.671226152	2.277333496	2.540411461
PMS2P4	ENSG00000067601.7	3.648291379	3.874008191	3.803341519
HOMER1	ENSG00000152413.14	4.363806719	3.24374002	3.503152265
AGAP6	ENSG00000204149.10	3.276817819	3.186725412	2.871908183
LYSMD4	ENSG00000183060.15	2.679366516	3.42690607	2.77162045
GRK4	ENSG00000125388.19	3.462137817	2.294820017	4.022092824
REEP6	ENSG00000115255.10	2.379549759	3.610567561	2.32893868
GPD1L	ENSG00000152642.10	3.886866672	2.824878717	3.643991024
AC132872.1	ENSG00000260563.3	2.826632582	3.099437412	3.518618503
PLEKHM3	ENSG00000178385.14	2.350016375	3.035208169	2.787210132
ZSCAN9	ENSG00000137185.11	2.551926329	3.39766938	3.617820891
SORBS1	ENSG00000095637.21	2.943766684	5.827326069	4.654462783
EFNB1	ENSG00000090776.5	2.706825257	3.352558641	2.091644791
SLC16A1-AS1	ENSG00000226419.7	2.960798507	2.37768768	2.148448352
ZNF549	ENSG00000121406.8	2.773249552	2.184835326	3.33852076
CCDC142	ENSG00000135637.13	3.64164557	3.674178409	2.19087213
SLC25A53	ENSG00000269743.2	3.163976815	3.677586861	3.527351259
DHRS4	ENSG00000157326.18	3.298275855	3.480458533	2.245527062
BACE1-AS	ENSG00000278768.1	3.169401235	2.313059732	2.987587313
MOB3C	ENSG00000142961.14	3.157408509	2.748039155	2.374442747
MANSC1	ENSG00000111261.13	5.409445923	4.18618057	5.920423324
LINC01003	ENSG00000261455.1	3.661826778	3.072328239	2.223850568
AC104662.3	ENSG00000281501.1	2.756386138	2.63975862	3.998935754
ZNF37BP	ENSG00000234420.7	3.772315607	2.438253125	2.751771146
EPB41L4A-AS	ENSG00000224032.6	3.907235133	2.561361594	3.676919389
ST20	ENSG00000180953.11	4.525018383	4.82762659	2.749085506
ZNF100	ENSG00000197020.10	4.177738661	2.673715533	2.200388761
AC009779.2	ENSG00000258056.2	3.202659312	3.813547971	2.114263482
TSPAN15	ENSG00000099282.9	2.212179304	2.744039824	2.514349872
KLHL28	ENSG00000179454.13	2.907523298	2.272676468	2.810461345
USP27X	ENSG00000273820.1	2.221824114	3.094191251	2.143336131
GATS	ENSG00000239521.7	3.324356602	2.654882804	3.288923541
CDPF1	ENSG00000205643.10	2.852364726	3.23047052	3.361608671
SCAMP1-AS1	ENSG00000245556.2	3.173169998	2.635102548	3.674477621
DGKA	ENSG00000065357.19	4.906649901	2.301560917	3.627092584
GPRC5B	ENSG00000167191.11	2.242931468	6.030782974	7.330086566
HOXD8	ENSG00000175879.8	2.398041289	4.108406999	5.15861118

C3orf52	ENSG00000114529.12	2.420857874	2.95510848	3.134124306
ZNF181	ENSG00000197841.14	2.726720997	2.74938892	3.408585707
BTBD9	ENSG00000183826.16	2.612044156	2.957424586	3.703277122
NEO1	ENSG00000067141.16	2.145303352	4.896788023	4.64987375
BCAR3	ENSG00000137936.16	5.982103663	4.331301222	2.274934711
SDC1	ENSG00000115884.10	4.963939639	4.584285062	2.594649845
ZNF441	ENSG00000197044.10	2.962378694	2.348667237	3.893029519
RC3H2	ENSG00000056586.15	5.544040814	5.361323246	2.399874652
ZNF227	ENSG00000131115.15	4.694492004	2.44676874	3.063995971
UST	ENSG00000111962.7	2.980368706	3.259616393	4.009937921
TTLL1	ENSG00000100271.16	2.135773222	2.730047941	4.423589818
BIN1	ENSG00000136717.14	2.635723372	5.569407912	5.352896882
ALMS1	ENSG00000116127.17	3.779092356	3.141405081	2.25836012
CPPED1	ENSG00000103381.11	3.652998532	3.977595498	3.015279495
BRMS1L	ENSG00000100916.13	3.488118632	2.163668827	3.38035677
RTL10	ENSG00000215012.8	2.859651834	3.338787792	2.869199285
FAIM	ENSG00000158234.12	5.112831525	2.300561879	3.146017051
SIAE	ENSG00000110013.12	3.3630053	3.659820193	2.203432299
KDM4C	ENSG00000107077.18	5.025350419	2.874015437	3.548935488
FZD7	ENSG00000155760.2	5.380454048	5.510360628	6.836135671
E2F2	ENSG00000007968.6	3.63260896	2.250948713	2.292016986
SAMD4A	ENSG00000020577.13	2.130728715	3.769917401	4.386885423
EIF3J-AS1	ENSG00000179523.4	3.532019759	2.975915133	3.409790819
NSUN6	ENSG00000241058.3	4.079093039	2.507494998	3.372099481
SLC12A6	ENSG00000140199.11	3.542921753	3.615610369	5.345778215
SLC25A27	ENSG00000153291.15	2.247943136	3.919015866	4.401534088
ZNF333	ENSG00000160961.11	3.054503766	2.80765452	3.393822796
BTRC	ENSG00000166167.17	3.930397604	3.122956285	3.516387585
ECE2	ENSG00000145194.17	2.932286496	3.995983536	2.125950067
ACP6	ENSG00000162836.11	4.604099233	3.351242608	2.448830807
ZNF20	ENSG00000132010.15	3.118296955	2.612173525	2.632183996
TRMT44	ENSG00000155275.18	2.912393729	2.396456977	4.307161286
GK	ENSG00000198814.12	2.374869102	3.643328555	4.337721357
HSD17B7	ENSG00000132196.13	4.214426854	4.792081762	4.304165096
CCNJ	ENSG00000107443.15	4.143167795	2.986680159	3.613224404
ZNF138	ENSG00000197008.9	3.249727223	2.796269953	2.427291736
SLC39A4	ENSG00000147804.9	3.036300032	4.082319892	3.288494048
LCOR	ENSG00000196233.13	4.298745575	3.500148985	4.040804702
SOCS3	ENSG00000184557.4	4.628162307	7.384666535	4.074714108
RABL2A	ENSG00000144134.18	2.134536727	3.127412311	2.296023811
WDR5B	ENSG00000196981.3	3.698211567	3.662924908	3.006924342
NMI	ENSG00000123609.10	4.274176859	2.139617546	3.729615528
ENO3	ENSG00000108515.17	3.812770914	3.5430162	2.52997181
ZBTB5	ENSG00000168795.4	4.074116838	2.730278662	2.20435699
AC018521.5	ENSG00000264920.1	2.431310562	3.007218854	3.202665376
ZNF175	ENSG00000105497.7	2.60283561	2.389929622	2.642541305

FAM222A	ENSG00000139438.5	4.047788938	3.503426455	4.169735805
ZNF354B	ENSG00000178338.10	3.378113045	2.19444387	2.986778155
CLCN5	ENSG00000171365.15	2.44714349	2.862041294	2.188009848
ZSCAN20	ENSG00000121903.14	2.279617206	2.711205106	2.081669622
LINC00094	ENSG00000235106.9	3.858271906	4.297130867	3.352224534
DCUN1D3	ENSG00000188215.9	3.143794494	2.790662224	2.534820213
TP53	ENSG00000141510.16	6.134078955	4.798138402	4.351399985
DAG1	ENSG00000173402.11	6.109326249	5.536445408	3.881579344
HEMK1	ENSG00000114735.9	2.81856586	4.333737048	3.370595874
SYNE1	ENSG00000131018.22	4.242851867	4.322673728	4.815341465
TRPM4	ENSG00000130529.15	3.704979807	4.846048486	3.075449594
LIMD1	ENSG00000144791.9	2.845320743	3.760988363	5.241627824
ZNF611	ENSG00000213020.9	3.249862118	3.548111094	3.765653993
RGS5	ENSG00000232995.7	2.736271681	2.526779215	2.196851203
ATG2B	ENSG00000066739.11	3.348591832	3.249206634	2.048649
SESN3	ENSG00000149212.11	3.093914788	3.42722892	5.225181874
SLC45A4	ENSG00000022567.9	3.222414223	3.700132148	4.054896941
ARHGAP26	ENSG00000145819.15	3.316599846	2.389200911	2.41957324
RASAL2	ENSG00000075391.16	4.763365423	4.022230774	2.312025846
OSER1-AS1	ENSG00000223891.5	2.527443575	2.863603791	4.063480085
CDH19	ENSG00000071991.8	5.397441574	5.324577796	3.628444391
ZNF273	ENSG00000198039.11	2.559982069	2.382822363	2.149770511
PHACTR2	ENSG00000112419.14	3.092822889	2.80874123	2.508075114
ZNF8	ENSG00000278129.1	2.843673218	2.627636193	2.448893088
AC244154.1	ENSG00000274487.1	3.289661393	3.063284688	3.195982571
ZNF248	ENSG00000198105.13	2.383852827	2.440822925	3.111392455
RSBN1	ENSG00000081019.13	3.716152542	2.627544394	2.959695027
GSPT2	ENSG00000189369.8	4.316329192	4.412983466	2.336030301
HOXB9	ENSG00000170689.9	5.150092623	3.722908247	5.648595071
RUSC2	ENSG00000198853.11	4.45437656	3.611699811	3.645663412
TAF5	ENSG00000148835.10	4.261805285	2.143916109	2.135469008
TST	ENSG00000128311.13	4.391758446	4.483073461	2.165532703
CCDC102A	ENSG00000135736.5	3.881296544	2.10323756	3.223438535
C5orf24	ENSG00000181904.8	3.343278132	3.115093299	3.234404121
NBPF14	ENSG00000270629.5	3.339760676	3.347732732	3.06008188
C1orf56	ENSG00000143443.9	3.642284612	3.726832458	2.038859123
DNMBP	ENSG00000107554.16	4.39308936	2.263982529	3.285661451
TUBE1	ENSG00000074935.13	4.809240892	3.942706464	4.152062335
PLEKHF1	ENSG00000166289.5	3.73029876	3.817048887	4.81893869
ZNF808	ENSG00000198482.11	2.507837972	3.39996336	3.544830709
PPIC	ENSG00000168938.5	5.877511679	5.11716964	4.947352865
LINC00839	ENSG00000185904.11	4.422075852	3.67226738	4.203150594
SMG1P3	ENSG00000180747.15	2.592879655	2.986430272	3.529813801
TUFT1	ENSG00000143367.15	4.14867847	3.490573835	2.822106495
DCAF4	ENSG00000119599.16	3.324743659	3.521210549	4.00142161
PARPBP	ENSG00000185480.11	5.290841463	4.049736538	2.344755306

TP53I3	ENSG00000115129.13	5.125675715	4.101704923	2.094948361
KIF7	ENSG00000166813.14	3.424808327	3.844682352	4.18942713
FBXO30	ENSG00000118496.4	3.165045667	2.974143228	2.633073497
FAM43A	ENSG00000185112.5	2.64390012	3.88445559	2.049122855
AL390728.6	ENSG00000259865.1	3.361640789	3.012147525	3.106756752
ZNF2	ENSG00000275111.4	2.239057173	2.317900144	2.534982224
RAB31	ENSG00000168461.12	2.551407409	3.944043943	4.027500068
CCNO	ENSG00000152669.8	4.064467527	3.41238884	3.120410949
LINC01881	ENSG00000220804.8	2.515643784	3.341998201	4.256538436
CBX7	ENSG00000100307.12	2.662034527	3.616872107	4.052344627
SCARNA9	ENSG00000254911.3	2.258168996	2.158966953	5.085730896
IQSEC2	ENSG00000124313.13	3.56008794	3.683501309	3.390841169
TTBK2	ENSG00000128881.16	3.639709418	3.451272964	4.079964728
IGFBP2	ENSG00000115457.9	6.516141825	5.674726493	6.541227324
SLC10A7	ENSG00000120519.14	2.949538616	2.65075713	2.82022215
NBEAL1	ENSG00000144426.18	2.037590939	4.115234867	3.16414005
ZNF688	ENSG00000229809.8	2.387803414	2.546291301	2.285567524
EXOC3-AS1	ENSG00000221990.4	2.922843249	3.911150233	2.827375842
GNG2	ENSG00000186469.8	4.173757612	2.680135999	4.449071299
POLQ	ENSG00000051341.13	3.490890847	3.551934862	2.053148764
AL391244.1	ENSG00000224870.6	2.904319352	2.593401977	2.629680801
TMEM159	ENSG00000011638.10	2.171918701	4.7250264	4.102468777
F3	ENSG00000117525.13	1.993861163	2.737841114	2.427396186
HYKK	ENSG00000188266.13	2.4644502	2.777834425	2.714767763
XYLB	ENSG00000093217.9	5.118876348	4.569816719	2.115354286
AL118506.1	ENSG00000268858.2	2.346847397	3.187092369	3.691463127
RFLNB	ENSG00000183688.4	2.101709615	5.591841802	5.437538625
LIN9	ENSG00000183814.15	4.226630787	2.328406523	2.04587392
SHPRH	ENSG00000146414.15	3.117063169	2.168158392	2.428836572
ABCA7	ENSG00000064687.12	2.312113757	3.935506456	3.814476656
CCDC40	ENSG00000141519.14	3.330554205	2.927645568	2.498975699
GIN51	ENSG00000101003.9	5.777074697	4.898096439	2.278456884
PTCH1	ENSG00000185920.15	4.605275351	3.867676257	4.344836355
MED26	ENSG00000105085.10	3.838504296	3.943351151	2.944194957
THNSL1	ENSG00000185875.12	3.384434466	2.054309984	3.733426691
SNX29	ENSG00000048471.13	3.584322189	3.326305012	3.842264128
SUOX	ENSG00000139531.12	3.248970701	3.38780243	2.53875846
IMMP2L	ENSG00000184903.9	3.646159077	4.618913048	4.124613708
ZNF771	ENSG00000179965.11	3.263130286	3.122155895	3.29080124
HACE1	ENSG00000085382.11	2.515363251	2.808758137	3.013041867
GJA3	ENSG00000121743.3	3.296429094	4.027291975	4.430931998
ABLIM3	ENSG00000173210.19	3.564418424	2.248844533	4.149303829
ZFP90	ENSG00000184939.15	3.256734826	2.296707592	4.08209427
PPARA	ENSG00000186951.16	2.734377955	3.736256605	4.63116916
C6orf226	ENSG00000221821.3	2.383988261	2.387891292	4.035667726
CCDC136	ENSG00000128596.16	4.205104302	4.610408614	5.265817448

SLC35E3	ENSG00000175782.9	3.117267837	3.209875861	2.236908355
TYW5	ENSG00000162971.10	2.320344222	3.436554489	2.704985358
REXO5	ENSG00000005189.19	3.652594826	2.217088854	2.120252146
SCAPER	ENSG00000140386.12	2.134574214	3.507568881	4.042676568
TTLL3	ENSG00000214021.15	2.743350967	3.212932932	2.530324669
SCYL3	ENSG00000000457.13	3.441609944	2.742794416	3.200404223
PLCXD1	ENSG00000182378.13	4.842281169	3.465232426	4.684185375
SMOX	ENSG00000088826.17	5.058564066	3.666159912	2.160554981
KBTBD7	ENSG00000120696.8	3.058375123	2.610625545	2.017273913
GLIS2	ENSG00000126603.8	2.177729476	2.385239197	3.550736155
CDC37L1	ENSG00000106993.11	4.562960204	2.573008731	2.493464056
PPFIA3	ENSG00000177380.13	4.594697053	6.252100614	2.113514322
RAB40C	ENSG00000197562.9	3.402554593	3.195083387	3.045672247
HHAT	ENSG00000054392.12	2.091954231	3.470981799	2.979564396
SFXN5	ENSG00000144040.12	4.254808947	3.831245468	2.072782797
MZF1	ENSG00000099326.8	4.666583901	3.932099226	3.176845073
CCDC127	ENSG00000164366.3	2.027619673	3.080539953	3.048547453
PLEKHH1	ENSG00000054690.13	3.66461284	4.896900014	4.764831737
STPG1	ENSG00000001460.17	4.144751281	3.497211136	3.64952035
TFAP2C	ENSG00000087510.6	7.258047345	4.779850893	5.094731296
AFAP1	ENSG00000196526.10	6.319648757	2.056045006	6.317762535
RSG1	ENSG00000132881.11	2.77552334	2.806301975	2.950017418
AHRR	ENSG00000063438.16	3.921214526	4.475852068	3.086507052
ZNF776	ENSG00000152443.12	3.591955557	2.124452211	3.533337384
ZNF720	ENSG00000197302.10	2.544857148	2.600600358	3.021715238
TREX1	ENSG00000213689.11	2.596401191	2.696488813	3.251846893
AMOTL2	ENSG00000114019.14	5.227497027	2.164068749	3.152985989
DNAJC18	ENSG00000170464.9	3.273135717	3.028911446	3.86744317
TCTEX1D2	ENSG00000213123.10	3.49238563	3.586672519	2.055654236
ARRDC3	ENSG00000113369.8	4.885960879	2.180831034	4.155125742
EMC3-AS1	ENSG00000180385.8	2.491814182	2.226199859	3.072890812
MARK1	ENSG00000116141.15	3.512377358	2.874123096	2.466484186
PMAIP1	ENSG00000141682.11	4.847290384	3.355503008	6.215384166
HARBI1	ENSG00000180423.4	3.373713793	3.609930604	3.763171277
AC006333.2	ENSG00000272686.1	2.085215848	2.540393037	2.941180725
NUDT14	ENSG00000183828.14	2.379262414	5.036825455	2.939857315
AC023632.6	ENSG00000280123.1	2.349566906	2.702045928	2.986678087
ICAM3	ENSG00000076662.9	2.986964131	2.673760029	2.085952025
ZNF407	ENSG00000215421.9	2.673970006	3.154279453	2.439666559
ZNF625	ENSG00000257591.5	3.385447275	3.350863097	2.798879825
AL591895.1	ENSG00000242861.1	2.783027827	2.209389012	2.624078659
ULK4	ENSG00000168038.10	3.622263021	3.49886355	2.575513881
GDAP1	ENSG00000104381.12	4.904100594	4.433359198	2.858353921
CDH24	ENSG00000139880.19	2.517319131	2.086032534	3.237025404
ANKRD16	ENSG00000134461.15	3.384253192	2.806121406	3.025870164
SLC46A1	ENSG00000076351.12	3.134887269	3.928088429	2.774811278

FAM104B	ENSG00000182518.13	3.57437862	3.070854547	3.037269945
FBXO8	ENSG00000164117.13	2.025830741	2.907798609	3.625954002
ARL4A	ENSG00000122644.12	3.802901829	4.525070355	2.313708026
RAD51-AS1	ENSG00000245849.6	3.684379591	3.036573384	3.115388677
PI4KAP1	ENSG00000274602.4	2.107261593	2.796128861	3.490971674
ZNF91	ENSG00000167232.13	4.487367995	3.522389207	3.191949364
CSAD	ENSG00000139631.18	3.514037847	3.722498533	3.165942858
ARHGAP33	ENSG00000004777.18	2.77132376	2.49542483	2.95852257
LMLN	ENSG00000185621.11	2.09389557	2.816730239	2.286263522
DUXAP10	ENSG00000244306.10	3.706223716	2.16630775	3.060441866
PRDM15	ENSG00000141956.13	2.674031305	4.138870844	2.346537225
CFAP44	ENSG00000206530.10	2.278635416	2.808325375	2.334578174
RRP7BP	ENSG00000182841.12	3.086744337	3.173234151	2.144841202
RNASEL	ENSG00000135828.11	3.636168758	2.042288565	3.688924826
ZNF518A	ENSG00000177853.14	3.404628143	2.679970289	3.169706947
JAG1	ENSG00000101384.11	4.202164021	7.245272532	2.36650438
C8orf44	ENSG00000213865.7	2.810149792	2.681810936	2.153341077
TMEM102	ENSG00000181284.2	3.578066405	3.311449186	3.760793355
CRYBG3	ENSG00000080200.9	3.21977898	4.158528538	3.617481608
ORAI3	ENSG00000175938.6	3.375856613	3.567222388	4.082100675
LSM11	ENSG00000155858.5	3.297866584	1.954999276	2.103533927
BTN3A1	ENSG00000026950.16	2.304241448	3.384932627	3.385412574
ARL15	ENSG00000185305.10	4.756407849	3.839585112	4.242407922
IFIT2	ENSG00000119922.9	3.165104679	1.976412796	2.502652646
SCARF2	ENSG00000244486.8	2.067272233	4.84705695	5.307001611
Z98749.2	ENSG00000244627.5	2.602449045	2.919710878	3.272296898
GTF2IP20	ENSG00000272645.3	2.998842828	2.51146187	3.0592764
C11orf63	ENSG00000109944.10	2.657102647	2.550910107	3.441417494
SEMA4B	ENSG00000185033.14	2.884235062	2.552746405	2.457247245
EVA1A	ENSG00000115363.13	2.026913264	5.231364451	5.943070103
SEMA3A	ENSG00000075213.10	4.221703423	1.987516527	2.129005224
AC138393.1	ENSG00000185495.10	2.910044003	2.536710894	2.68249485
DLX2	ENSG00000115844.10	4.139926757	2.078140453	6.22388134
LINC00665	ENSG00000232677.6	5.889290915	4.257303373	3.848401737
FSTL3	ENSG00000070404.9	3.436482727	3.945738257	2.133987042
TSPYL4	ENSG00000187189.10	3.905839394	3.12745902	3.282902226
NXPH4	ENSG00000182379.9	1.95002611	2.1634006	3.884379904
CEP162	ENSG00000135315.11	2.209224219	2.880172225	2.498960794
ZNF74	ENSG00000185252.18	2.498088122	2.630818547	3.396711579
TMCC2	ENSG00000133069.15	2.504507438	4.369821922	6.940144517
EMP1	ENSG00000134531.9	6.779823944	6.428014906	3.974210441
CCDC61	ENSG00000104983.8	3.07649777	2.549773561	3.85597672
AC007969.1	ENSG00000233762.3	2.646680969	2.53477912	2.582289267
KMT2E-AS1	ENSG00000239569.3	2.175279777	2.865257997	2.231640921
DPY19L2P2	ENSG00000170629.14	2.893565943	3.715463723	2.895122553
MINDY2	ENSG00000128923.10	3.631792483	4.783253935	4.284871274

STEAP3	ENSG00000115107.19	2.141640073	3.820922025	2.129903221
SRP14-AS1	ENSG00000248508.6	2.630125219	3.556017731	3.345713913
AC110079.1	ENSG00000260404.3	2.064858702	3.102072503	2.404614136
CACNB1	ENSG00000067191.15	2.53434992	2.995286764	3.47495564
SYT11	ENSG00000132718.8	5.195762467	5.561449305	5.242516731
LINC02210	ENSG00000204650.14	3.269738894	3.891346078	5.848310152
SUCLG2-AS1	ENSG00000241316.6	2.523668909	3.826206906	2.146582705
MFSD9	ENSG00000135953.10	2.097655204	3.99671518	3.43663238
ADAM19	ENSG00000135074.15	3.899919994	2.207366744	4.167616975
IPMK	ENSG00000151151.5	2.649965471	2.539210743	3.734868492
OGFRL1	ENSG00000119900.7	2.918563927	3.34990222	2.151637815
PRR34-AS1	ENSG00000241990.5	4.110052787	4.593160456	4.270640419
POLR3B	ENSG00000013503.9	4.772459935	3.328502118	1.991307101
SBF2-AS1	ENSG00000246273.6	3.641554316	3.319447847	3.352373772
CACFD1	ENSG00000160325.14	2.307528918	2.527824642	2.590984265
ZNF726	ENSG00000213967.10	3.706665952	2.161271864	1.973994849
DOK4	ENSG00000125170.10	4.242653979	2.929300827	3.239683028
NDRG2	ENSG00000165795.23	3.91276426	3.546810317	4.610616766
TMEM79	ENSG00000163472.18	2.746358255	2.747187581	2.167558982
BCHE	ENSG00000114200.9	3.540009935	1.999460925	5.781750582
AC103691.1	ENSG00000274383.1	2.258319105	4.33187244	3.20552418
KIAA0895	ENSG00000164542.12	3.025573882	3.179122345	2.885815217
SERAC1	ENSG00000122335.13	2.447122399	2.049013787	2.199969467
AL109918.1	ENSG00000216775.2	4.007356228	2.097137643	3.653998225
MAP3K14	ENSG00000006062.14	3.475836809	2.311764951	4.195199075
IGFLR1	ENSG00000126246.9	3.128826079	2.693323426	2.778719988
FBXO6	ENSG00000116663.10	3.171535966	2.560112029	4.238540038
TLCD1	ENSG00000160606.10	3.773723466	3.901113058	3.156588318
LINC00680	ENSG00000215190.9	3.043841981	3.016627536	2.503126069
AC006453.2	ENSG00000283196.1	2.045588949	3.529908034	2.270256042
FSTL1	ENSG00000163430.11	1.972902463	5.898231833	4.047511054
TMEM17	ENSG00000186889.9	3.099175283	3.651083812	3.565148409
AC018645.3	ENSG00000281332.1	3.103540929	2.329080466	2.054600988
ZNF79	ENSG00000196152.10	2.681505278	3.942339575	2.486417996
MTMR11	ENSG00000014914.20	2.443299009	2.347598552	3.057305079
NOMO3	ENSG00000103226.17	3.49349229	2.035946882	2.590316782
EAF2	ENSG00000145088.8	2.526846093	2.81238964	2.17887208
NEIL3	ENSG00000109674.3	3.994235621	2.240674381	1.902588158
TP53TG1	ENSG00000182165.17	2.967004878	3.855509207	4.422858636
TRIM66	ENSG00000166436.15	2.367120746	3.039205884	2.623910247
PPP1R12B	ENSG00000077157.21	2.771384931	2.205198455	2.455350467
CTPS2	ENSG00000047230.14	4.330369845	3.393170442	4.39467498
SNX15	ENSG00000110025.12	3.833980731	2.913466407	3.838632453
PPARGC1B	ENSG00000155846.16	2.312977069	2.7324279	2.174598848
ZNF708	ENSG00000182141.10	3.275529712	2.801901672	2.635806762
ZNF519	ENSG00000175322.11	2.424876614	2.839222248	1.993204014

KYAT1	ENSG00000171097.13	3.785185979	4.052307567	1.937187143
LINC00265	ENSG00000188185.11	2.590140772	3.777388711	2.69134282
HSPA12A	ENSG00000165868.13	3.464433908	4.141596065	3.507500354
PRR7-AS1	ENSG00000246334.2	5.88357349	2.857367431	2.310338605
GS1-124K5.4	ENSG00000237310.1	2.886565974	3.290080293	3.1742282
A1BG-AS1	ENSG00000268895.5	3.181438214	3.291508058	2.32821011
TRAPPC5	ENSG00000181029.8	3.895475707	3.206448194	2.783892685
CTIF	ENSG00000134030.13	3.333596485	3.96872059	2.870125622
SEPSECS	ENSG00000109618.11	3.981601329	2.38272568	3.871254077
TIFA	ENSG00000145365.10	3.156079779	2.293313477	3.089950493
MCM9	ENSG00000111877.17	3.232499062	2.01390958	2.558368481
ZNF599	ENSG00000153896.17	2.59051375	2.603368981	2.420805734
SMIM3	ENSG00000256235.1	2.439276527	2.186834316	8.329764414
ATP5S	ENSG00000125375.14	3.039268813	2.091438923	3.117490708
DLC1	ENSG00000164741.14	3.798103199	1.888741534	6.879460459
PELI3	ENSG00000174516.14	3.754517803	3.808411175	3.321471884
FOXC1	ENSG00000054598.6	4.572447942	1.911908772	3.328817388
TMEM242	ENSG00000215712.10	2.934264066	2.752149062	2.764535714
NUDT6	ENSG00000170917.13	2.867291862	3.020955117	2.340986984
CCDC186	ENSG00000165813.18	3.356314873	3.392009925	3.842164503
USP35	ENSG00000118369.12	1.920538296	3.849686723	3.022100863
STX7	ENSG00000079950.13	2.018397428	4.611841301	5.598736034
DDX60	ENSG00000137628.16	1.923066534	2.047290494	2.983853789
MXD3	ENSG00000213347.10	3.317028331	2.127840602	2.213490733
RILPL2	ENSG00000150977.10	3.695453992	2.567420772	4.02463638
N6AMT1	ENSG00000156239.11	2.543994218	1.989403039	3.703881783
DOK1	ENSG00000115325.13	4.307083277	2.4432743	2.048924068
RAVER2	ENSG00000162437.14	4.016678082	4.29794614	4.695995646
MSC-AS1	ENSG00000235531.9	2.051634807	3.708710041	5.595028501
MTRFR2	ENSG00000146410.11	3.636115944	3.255905265	2.114452253
NREP	ENSG00000134986.13	5.922715517	3.018140903	3.863025535
THEMIS2	ENSG00000130775.15	2.208640153	5.656703223	2.678542189
AC116533.1	ENSG00000244398.1	3.816474716	2.609437005	2.57903315
AL162258.1	ENSG00000271853.5	4.299189894	4.959491444	1.996056285
NAV2	ENSG00000166833.19	1.898099454	7.896714707	6.630212842
AC115618.3	ENSG00000279528.1	3.240169782	2.820687856	2.272574395
IRX3	ENSG00000177508.11	3.994257768	4.019109022	4.562666099
MIR4292	ENSG00000265806.1	2.908932546	2.557694472	3.67382387
ZCCHC7	ENSG00000147905.17	4.850068113	4.456864659	3.565928638
AC091390.4	ENSG00000239969.5	3.336965315	3.647419598	3.05448144
PDIK1L	ENSG00000175087.9	3.795800681	2.506249039	2.825670878
FBXL17	ENSG00000145743.15	4.442237927	3.344451578	4.863546043
FER	ENSG00000151422.12	3.49767735	3.124188655	3.13380639
ZNF490	ENSG00000188033.9	3.944605558	2.745089093	3.159077869
NEURL2	ENSG00000124257.6	2.004949532	2.334848469	2.433270048
SPACA9	ENSG00000165698.15	2.94367158	3.056325965	1.930633198

SLC22A5	ENSG00000197375.12	2.793783312	2.03721454	3.264278917
SLC25A42	ENSG00000181035.13	2.995432104	2.788342459	2.504595767
LINC00467	ENSG00000153363.12	3.042161084	2.0729132	1.978165624
SLX4IP	ENSG00000149346.14	2.913889814	2.04307635	2.316742443
ALCAM	ENSG00000170017.12	4.187552718	4.398091565	5.936996917
NOD1	ENSG00000106100.10	3.043962439	3.161389454	2.064376151
ERCC6L	ENSG00000186871.6	4.355538761	3.415750231	1.888738915
FAM217B	ENSG00000196227.10	2.288138751	2.547474628	2.799063263
AC015813.6	ENSG00000279207.1	2.512057763	1.869132438	2.813820058
KLF11	ENSG00000172059.10	2.623695368	3.327534806	2.12137452
STARD13	ENSG00000133121.20	4.630879036	2.167892069	3.36279845
RTEL1	ENSG00000258366.7	3.870376505	2.004319586	3.757584883
SNORD4A	ENSG00000238578.1	4.234994154	3.688560312	2.6808531
MTERF2	ENSG00000120832.9	3.024678924	2.911447147	2.287846688
NRSN2-AS1	ENSG00000225377.5	2.466093585	2.764951276	2.042364472
ASRGL1	ENSG00000162174.12	3.270794718	4.248642746	2.574026816
STAG3L1	ENSG00000205583.13	2.764805156	2.771723556	2.199665835
ARMC5	ENSG00000140691.16	3.096570079	2.274243428	2.931367587
LRRC1	ENSG00000137269.14	3.355797194	2.854833141	3.881421991
FTH1P2	ENSG00000234975.6	2.327306431	2.172109057	2.347399043
GEM	ENSG00000164949.7	3.83834119	4.627789733	1.908582093
CBWD6	ENSG00000215126.10	3.217347478	3.600642998	2.787246721
CYP2R1	ENSG00000186104.10	2.308559388	3.42045065	4.821655559
FAM216A	ENSG00000204856.11	5.338763929	3.255702999	1.888559872
CACHD1	ENSG00000158966.13	2.762390252	4.39194931	4.946375343
MORN4	ENSG00000171160.17	3.702343553	2.45946388	4.597627983
ZSCAN5A	ENSG00000131848.9	4.044048985	2.339174531	2.999911838
APOL6	ENSG00000221963.5	3.440042475	1.840872926	3.373955793
ZNF180	ENSG00000167384.10	3.197354526	2.010898135	2.393697565
RELB	ENSG00000104856.13	3.695248792	1.964649311	4.09098906
NEMP2	ENSG00000189362.11	2.142156448	2.190534976	3.116354744
ANKRD37	ENSG00000186352.8	3.515682551	3.478041407	2.666268654
TPST2	ENSG00000128294.15	2.023735196	3.948304714	2.649877851
CEP85L	ENSG00000111860.13	3.40782397	2.801358241	2.778599395
ARHGAP42	ENSG00000165895.17	2.098866218	3.359003784	4.920599498
FAS	ENSG00000026103.21	3.275147858	3.127949783	3.808092159
FAM86C1	ENSG00000158483.15	3.77861358	3.560189657	2.275335614
DUSP28	ENSG00000188542.9	2.019808108	2.283541978	2.315025642
IFIT1	ENSG00000185745.9	3.699662021	2.264152507	2.93807148
LINC01291	ENSG00000204792.2	5.582193727	2.049479232	2.520007708
DLGAP1-AS1	ENSG00000177337.7	3.638094664	4.272183723	2.754668931
EPB41L5	ENSG00000115109.13	2.205380738	4.322266909	4.082512718
BRCA2	ENSG00000139618.14	3.178470838	2.793707027	1.838836678
PREX1	ENSG00000124126.13	5.494920024	4.11585813	4.388590062
SNRK	ENSG00000163788.13	2.357847069	2.921012343	2.470799131
AC060780.1	ENSG00000267002.2	3.793887667	3.138017282	4.059891793

AGO3	ENSG00000126070.19	3.445235069	2.420700401	3.125948363
TGIF2	ENSG00000118707.9	3.211596745	2.81146094	2.870887351
NMRK1	ENSG00000106733.20	1.876020005	3.862413506	2.547647876
SWT1	ENSG00000116668.12	2.371495884	2.640191981	2.301844369
PAXIP1-AS2	ENSG00000214106.7	2.09718647	1.973784342	2.656509017
KIAA1671	ENSG00000197077.13	1.817284243	3.588082145	2.835812966
SAMD10	ENSG00000130590.13	1.985315486	2.790346098	3.302267647
KATNAL2	ENSG00000167216.16	2.003317485	3.144621366	2.205969132
C16orf45	ENSG00000166780.10	4.796991368	3.848907808	4.121927423
TRMT10A	ENSG00000145331.13	3.187349232	1.919405452	1.831228589
FZD3	ENSG00000104290.10	1.928799084	2.843407444	1.910986763
XIAP	ENSG00000101966.12	3.286694819	3.701740269	3.184639448
ZBED5-AS1	ENSG00000247271.6	1.904814615	3.713808756	4.135588144
ANTXR2	ENSG00000163297.16	2.970998635	1.993623692	3.094848223
ARHGAP5-AS	ENSG00000258655.2	4.080909979	2.994674583	1.983386069
HAPLN3	ENSG00000140511.11	4.334468854	3.26044268	3.063657706
HOXC8	ENSG00000037965.5	3.974141802	3.788029075	2.115956
B3GNTL1	ENSG00000175711.8	4.1015598	2.048626309	3.255079577
SLC16A3	ENSG00000141526.16	1.800830351	3.655948734	3.84379466
AP5S1	ENSG00000125843.10	2.568293076	2.55115898	2.204235248
ZNF101	ENSG00000181896.11	3.637572629	3.532620142	2.304946512
TMEM198	ENSG00000188760.10	2.424661923	3.607669777	2.168550218
AL035071.1	ENSG00000260257.2	2.13206996	2.58279134	2.185722455
MSX2	ENSG00000120149.8	3.298262474	1.816052139	4.75669717
AC092747.4	ENSG00000275764.1	2.468861338	1.828093244	2.230060693
P2RY11	ENSG00000244165.1	5.059150876	3.227498745	2.907630145
AHI1	ENSG00000135541.20	3.747214894	3.365888763	3.541841702
CIPC	ENSG00000198894.7	1.845305076	3.085989963	4.606142915
CNNM2	ENSG00000148842.17	3.291878988	3.000678644	2.642696679
TMEM81	ENSG00000174529.7	2.69674023	1.918229265	2.183604642
ZNF670	ENSG00000277462.1	4.203614212	1.825878711	2.494327437
ZNF552	ENSG00000178935.5	3.139473082	2.608926553	3.035266846
ZNF449	ENSG00000173275.12	1.922019611	2.915193154	2.91350491
TOR2A	ENSG00000160404.17	3.100018745	3.142612231	1.871426068
MICB	ENSG00000204516.9	3.81747981	4.876378096	2.92578478
MT-TS2	ENSG00000210184.1	1.907094163	3.499712528	2.484696984
ZNF107	ENSG00000196247.11	2.652051259	3.176437364	2.506352657
CELSR3	ENSG00000008300.16	3.060933154	1.956654066	2.053604239
CTXN1	ENSG00000178531.5	5.078998525	3.389679343	1.835266463
KIF15	ENSG00000163808.16	4.884467959	3.122568588	1.872230392
AC012306.2	ENSG00000272667.1	2.705784583	2.86830439	2.481355907
EIF4HP1	ENSG00000233830.2	1.912032734	2.32920611	1.835474579
RILPL1	ENSG00000188026.12	2.845250626	3.175344345	4.722704726
ARHGEF19	ENSG00000142632.16	3.89178016	2.783829321	3.086203926
MIR25	ENSG00000207547.1	2.889022695	3.055317713	2.041214891
GNB1L	ENSG00000185838.13	2.169033179	2.040368433	3.079858518

TMEM8B	ENSG00000137103.17	2.536374019	2.750439079	4.003487923
BCL2L11	ENSG00000153094.22	3.023970654	3.007508184	3.432018842
AC138932.1	ENSG00000183458.13	2.340494473	2.174217972	3.905205209
MATR3	ENSG00000280987.4	5.673691514	3.140976651	5.464556745
SPIN4	ENSG00000186767.6	3.408348874	2.493434982	2.188191375
MKLN1-AS	ENSG00000236753.5	2.361333593	3.65986316	3.302541611
AC109460.3	ENSG00000261067.7	2.187461362	2.981924251	2.388920328
RPL21P16	ENSG00000220842.6	3.521677805	2.27940648	2.165196383
NRIP3	ENSG00000175352.10	1.993495901	5.801565384	6.298857262
ADGRB2	ENSG00000121753.12	3.202282214	1.975905543	2.770038294
C20orf196	ENSG00000171984.14	3.316317217	2.516775018	1.85036473
HASPIN	ENSG00000177602.5	4.61783719	2.953519509	1.85490215
GIN1	ENSG00000145723.16	2.539442277	2.098834103	2.683044939
CLIP3	ENSG00000105270.14	4.813098707	5.009099622	5.811502143
ZNF14	ENSG00000105708.8	2.843368716	2.479361758	2.353304312
AP001324.1	ENSG00000227615.1	3.422776531	2.255667681	2.090772983
ATP6V1B1-AS	ENSG00000239322.1	3.46269487	3.897604486	1.814209097
ZNF112	ENSG00000062370.16	2.705502702	1.732422625	2.792279215
TRAPPC9	ENSG00000167632.14	3.739139907	3.115092509	4.741550199
MAPK8IP1	ENSG00000121653.11	4.534599573	4.110161174	4.375592261
HOXA1	ENSG00000105991.7	2.807704478	4.106719117	3.531698139
TIGD5	ENSG00000179886.5	3.055598903	2.54696668	1.911941563
MAGI3	ENSG00000081026.18	2.672078476	2.403333614	3.114617261
CRY2	ENSG00000121671.11	2.168777281	3.543539934	3.529155954
FGFR1OP	ENSG00000213066.11	3.175840103	2.601973635	2.496326686
VAMP1	ENSG00000139190.16	2.571349031	1.719770485	2.342882304
CLEC11A	ENSG00000105472.12	1.844101071	1.917867282	8.03732527
RFXAP	ENSG00000133111.3	3.547742013	2.315731185	2.212997825
VN1R81P	ENSG00000268357.1	2.298805144	2.05744261	2.361074277
AC144652.1	ENSG00000273117.1	2.063301304	2.735189273	1.868194453
FAM117B	ENSG00000138439.11	3.347475856	3.269349966	2.482866178
NFIB	ENSG00000147862.15	5.144047014	2.089279198	3.30194435
ZNF71	ENSG00000197951.8	1.994600337	2.441562398	1.95462933
PLCD1	ENSG00000187091.13	2.717974206	3.407510245	2.818399914
TRAPPC6A	ENSG00000007255.10	1.875779462	3.917790608	4.424847731
HCFC2	ENSG00000111727.11	3.287716145	1.799153929	2.582118046
ADCK1	ENSG00000063761.15	2.052621167	2.036703258	2.537988303
SGCD	ENSG00000170624.13	1.829784524	3.969315511	5.010696598
ZNF33A	ENSG00000189180.15	3.461269338	1.84568529	3.07250474
ZNF791	ENSG00000173875.13	3.454156598	2.237868731	2.7422943
ID2	ENSG00000115738.9	2.205326141	2.260737317	3.285688563
SH2B2	ENSG00000160999.10	2.584927607	3.271460909	2.357846553
ZNF543	ENSG00000178229.7	2.509760282	1.752810507	3.022541282
LCMT2	ENSG00000168806.7	3.899430791	3.07972612	1.889608547
E2F8	ENSG00000129173.12	3.184605443	2.146773909	1.803884424
SHC4	ENSG00000185634.11	3.567778465	4.453289799	3.96000091

ZNF286A	ENSG00000187607.15	4.25047873	2.751326444	2.252781448
NBPF12	ENSG00000268043.7	2.222891229	2.135084865	2.152477746
AC022415.1	ENSG00000242615.1	2.914774384	2.96331224	2.678447543
TRIM34	ENSG00000258659.6	1.860606119	3.214568464	4.082921126
AC126474.2	ENSG00000280088.1	2.12440518	2.172596196	1.974731362
DHFR2	ENSG00000178700.7	2.847600736	3.053548204	4.040979653
ZBTB9	ENSG00000213588.5	2.706133307	3.120495475	2.744945748
MAMDC4	ENSG00000177943.13	2.25760034	3.028321942	4.191068618
HIVEP1	ENSG00000095951.16	2.523910232	2.304224335	2.296254478
MDP1	ENSG00000213920.8	2.730478793	2.020024358	3.540791445
HLA-DMA	ENSG00000204257.14	6.268225705	2.999260199	1.903808857
NUDT8	ENSG00000167799.9	2.702523263	3.38262233	2.074125811
DNAJC12	ENSG00000108176.14	4.027883102	3.957553692	2.478651383
APH1B	ENSG00000138613.13	1.880405943	4.283100102	3.579742819
PHACTR1	ENSG00000112137.17	1.757463962	5.784618499	5.637734102
BICRAL	ENSG00000112624.12	2.898195049	3.178868437	3.116189858
RNPS1P1	ENSG00000250896.1	3.447393076	1.970709983	2.428968957
AC016876.2	ENSG00000264772.6	3.292318847	2.866183685	2.485980326
IGLV5-52	ENSG00000211643.2	2.034061471	2.932030933	3.010475734
LINC00622	ENSG00000260941.1	4.07621959	2.314146762	3.646777325
APOE	ENSG00000130203.9	2.012100344	8.263105932	10.74852277
MIR570	ENSG00000207650.1	2.233431044	3.435648168	3.109571936
PSD3	ENSG00000156011.16	3.166807104	1.823343993	5.302201982
DNAL1	ENSG00000119661.14	2.361760527	2.223462783	2.80069889
AL050341.2	ENSG00000259943.1	3.322785045	2.836129697	2.885196839
FICD	ENSG00000198855.6	1.889519795	3.366828525	2.485976764
INAFM1	ENSG00000257704.3	2.781601213	1.931948602	3.457385634
THAP8	ENSG00000161277.10	3.201799701	2.641074195	1.920195523
SNORA64	ENSG00000207405.1	4.432699782	3.515526003	2.534484692
EMILIN2	ENSG00000132205.10	3.800732628	6.25029518	4.565063235
RRN3P3	ENSG00000257122.5	2.127714135	2.663563656	3.681944161
ZNF124	ENSG00000196418.12	4.171482987	1.786378121	2.534217625
AC139530.1	ENSG00000262049.1	2.196375124	1.820912692	2.059233216
AC007996.1	ENSG00000277534.1	2.676864278	2.967867033	2.628300343
TBC1D24	ENSG00000162065.12	3.61653672	3.150262092	4.986601968
NDRG1	ENSG00000104419.14	6.176439037	3.258822853	6.716440143
FAM131A	ENSG00000175182.14	3.512529816	4.077601287	3.777021541
LIME1	ENSG00000203896.9	2.323385797	3.113333541	2.648216988
AKAP7	ENSG00000118507.15	2.647128035	2.549304068	1.739068886
AC093297.3	ENSG00000272335.1	3.202194061	2.37235063	3.756863487
PLXNA3	ENSG00000130827.6	2.76217382	4.512781003	2.989995817
MTO1	ENSG00000135297.15	3.682134365	3.226045183	3.985379548
CDADC1	ENSG00000102543.14	2.677513377	2.17239153	2.404890349
HSPA4L	ENSG00000164070.11	2.186900258	1.892390508	3.885184929
ST6GAL1	ENSG00000073849.14	5.524584009	5.304545519	4.755284054
AC133065.4	ENSG00000263013.1	3.401757948	3.123467016	4.546385493

AC097359.2	ENSG00000270194.1	2.509830826	3.259758717	2.40050526
NICN1	ENSG00000145029.13	2.621775971	2.410565383	2.175658811
PCBD2	ENSG00000132570.14	2.936280369	2.128587601	2.479725212
PM20D2	ENSG00000146281.5	3.803561698	2.990119922	3.332132735
UBL7-AS1	ENSG00000247240.7	2.718794956	2.682306435	1.978612892
PLPP6	ENSG00000205808.5	4.240537094	2.367307764	3.178495239
AC004980.1	ENSG00000205485.13	3.128046285	2.843494583	2.839583725
AP001505.2	ENSG00000276529.1	3.214617705	2.459936178	6.267432663
POU2F1	ENSG00000143190.21	3.537322117	2.830888894	3.221648104
EPOR	ENSG00000187266.13	3.312990647	3.94899479	2.901188337
AP001258.1	ENSG00000245571.6	2.197224339	3.021185341	2.767845308
SPATA24	ENSG00000170469.10	2.671711045	1.950709621	2.685449829
XYLT1	ENSG00000103489.11	2.594536722	1.760143048	4.146624749
APOBEC3F	ENSG00000128394.16	2.700582247	3.109890688	2.555883277
ZNF524	ENSG00000171443.6	3.117541841	2.750337541	4.294347983
SDHAF4	ENSG00000154079.5	2.030777141	2.530748166	3.185375893
AC108449.2	ENSG00000259366.1	2.011809043	3.83919019	2.026071612
MT-TA	ENSG00000210127.1	3.070247126	3.45947312	2.312618974
WASHC1	ENSG00000181404.15	1.984416447	3.004173989	3.263009856
SPIN3	ENSG00000204271.12	3.245048257	3.331187146	3.158999227
VDR	ENSG00000111424.10	4.808216025	2.839111238	1.880094859
KCTD7	ENSG00000243335.9	1.717639417	3.169984532	3.478135921
ZNF254	ENSG00000213096.10	3.163244735	2.818852228	1.778729994
ZNF674-AS1	ENSG00000230844.2	2.111402866	2.320921836	2.149374037
MLPH	ENSG00000115648.13	1.994437761	8.719615393	7.98473225
TTC28-AS1	ENSG00000235954.6	2.861217508	2.379555163	3.154797706
TXNDC16	ENSG00000087301.8	2.288271687	1.738408665	3.170339154
RAB33B	ENSG00000172007.5	2.088139639	2.119742536	2.350503853
C3orf33	ENSG00000174928.15	2.794288606	2.888730424	2.918930712
DYNC111	ENSG00000158560.14	2.207091757	4.925969574	4.382453206
AC007485.2	ENSG00000279059.1	2.91839248	2.908635051	2.751914956
JMY	ENSG00000152409.8	4.135860504	2.631620876	3.435910638
CCDC189	ENSG00000196118.11	3.923739402	1.897045594	2.338864288
AL353763.2	ENSG00000280077.1	2.705729714	2.153191932	2.358311768
RTKN2	ENSG00000182010.10	2.676762197	1.71211325	2.771403237
KAT6B	ENSG00000156650.12	3.630598335	2.833263992	2.990708797
EDNRB	ENSG00000136160.14	5.236135658	5.520032506	6.365204224
RRAGB	ENSG00000083750.12	3.567446594	3.232881732	3.719699891
FRMD4B	ENSG00000114541.14	5.524695703	5.605069316	6.144502953
AUNIP	ENSG00000127423.10	4.428897726	3.393097285	1.740643685
PTPN3	ENSG00000070159.13	4.439497728	4.668715985	5.110518851
PXN-AS1	ENSG00000255857.5	3.202013007	2.756527268	3.018618411
DDAH1	ENSG00000153904.18	4.153228667	3.069435368	3.00482982
LRRC20	ENSG00000172731.13	2.67970029	3.534596219	2.907750653
LMCD1	ENSG00000071282.11	4.33276107	3.962628806	2.88532523
ZNF510	ENSG00000081386.12	3.349473123	3.422025979	2.004596786

HOMEZ	ENSG00000215271.7	1.759250936	3.103379563	2.875946038
DOCK6	ENSG00000130158.13	3.490484224	4.300657822	3.949558287
SIPA1L3	ENSG00000105738.10	4.411183244	3.149621999	4.580227148
SPATA5	ENSG00000145375.7	3.307570665	2.923826224	2.561368387
ZNF569	ENSG00000196437.10	2.693966282	1.984035197	1.897221781
ZNF816	ENSG00000180257.13	3.189310322	3.169584702	2.843592557
F8A1	ENSG00000277203.1	3.106816576	3.091371904	2.989005488
CDIP1	ENSG00000089486.16	4.339810325	5.331860557	5.072197283
KHK	ENSG00000138030.12	2.485005644	2.45087488	1.812672439
FTO	ENSG00000140718.20	3.83061792	3.497031586	4.133004546
HERC6	ENSG00000138642.14	2.291978514	3.078196039	2.007392991
OAS2	ENSG00000111335.12	2.970154575	2.914593067	1.729839752
TNFAIP8L1	ENSG00000185361.8	3.793112548	4.061490325	4.062422862
ZNF813	ENSG00000198346.10	1.860415725	2.138375786	2.95391504
CHST6	ENSG00000183196.8	3.712463851	3.775121956	2.663665727
PGBD2	ENSG00000185220.11	4.111744324	3.936258375	1.841045808
HMG2N2P3	ENSG00000230330.1	3.180616045	2.395452702	1.808257299
ANKRD36	ENSG00000135976.17	2.088458071	3.229559738	3.08817582
LOXL3	ENSG00000115318.11	7.420816721	3.323154798	4.326970371
BICC1	ENSG00000122870.11	2.46825951	2.496059393	3.0638369
TSPAN33	ENSG00000158457.5	3.84181994	5.28121985	5.826744924
RPL23AP53	ENSG00000223508.5	2.893743517	1.814353049	3.60410157
ENTPD3-AS1	ENSG00000223797.5	2.380835169	2.716712006	2.475485189
NBPF26	ENSG00000273136.6	3.268767103	3.243932302	1.942152797
AC004967.1	ENSG00000243554.1	2.733147936	3.176596991	1.867830782
GLI3	ENSG00000106571.12	4.129220157	3.640808761	5.308232049
CCDC18-AS1	ENSG00000223745.7	1.955888089	3.072268772	3.194992526
XRCC3	ENSG00000126215.13	4.821005079	4.321464756	2.007181519
SLC35E4	ENSG00000100036.12	3.324254191	2.868404988	3.304471838
RTN4RL2	ENSG00000186907.7	2.328960293	3.939790462	3.615608498
AL365205.1	ENSG00000124593.15	2.038561743	5.028682624	3.930310408
AMOT	ENSG00000126016.15	5.015270991	4.263695771	5.280251458
AC009533.1	ENSG00000111788.10	1.887743478	2.387518606	2.660379138
CEP19	ENSG00000174007.7	1.73968195	2.745880899	3.19861212
SAMD9L	ENSG00000177409.11	2.666405958	4.189859734	1.86277964
MCOLN2	ENSG00000153898.12	3.098936523	4.173196184	3.425472557
SPATA33	ENSG00000167523.13	3.811647838	2.9070281	2.141187176
SMIM8	ENSG00000111850.10	1.925224859	2.550660704	2.703354054
RFFL	ENSG00000092871.16	4.305232171	3.398134831	4.071785151
DLGAP1-AS2	ENSG00000262001.1	3.825351166	3.516028085	5.892623732
AC138969.1	ENSG00000183889.12	2.470074069	2.272081555	3.157049112
PRELID3A	ENSG00000141391.13	2.0923751	2.920486066	1.782394652
CPT1A	ENSG00000110090.12	5.498175957	4.125468046	3.367225169
ADAT2	ENSG00000189007.15	3.544936345	2.568432802	2.173907259
ZBTB25	ENSG00000089775.11	2.271731781	2.291594855	1.737063745
U2AF1L4	ENSG00000161265.14	3.262618242	3.102525507	3.305247429

ASTN2	ENSG00000148219.16	1.980026125	3.807152085	2.129952258
TEKT4P2	ENSG00000188681.11	2.705592828	1.841864438	1.664087874
PTPRG-AS1	ENSG00000241472.6	1.76992243	3.081058164	2.301816488
MLLT11	ENSG00000213190.3	6.231323261	1.611343469	2.444961776
RNF24	ENSG00000101236.16	4.421455787	3.924335416	2.142654735
HOXB5	ENSG00000120075.5	2.899337025	2.393173274	1.683042297
ELOVL4	ENSG00000118402.5	4.122266612	2.821275772	2.601787281
NAPRT	ENSG00000147813.15	4.894246386	1.843529158	4.505655925
ERV3-1	ENSG00000213462.4	2.309494286	2.480245359	2.029343246
AC008771.1	ENSG00000249042.5	3.225098625	2.317201224	4.072081045
WDR25	ENSG00000176473.13	3.404827555	2.550647976	1.596215207
FUK	ENSG00000157353.16	3.424728288	3.504998106	4.312574308
ZNF641	ENSG00000167528.12	1.941993435	2.31940849	2.628196363
NATD1	ENSG00000274180.1	3.273006887	1.847057882	4.367421411
ZNF500	ENSG00000103199.13	2.687985768	2.363789794	2.776075473
DUSP5	ENSG00000138166.5	4.937297999	2.847121348	7.545051487
FAM135A	ENSG00000082269.16	3.192594818	2.655657189	3.751783711
KIAA2026	ENSG00000183354.11	4.024520179	3.416370051	2.812585561
TYMSOS	ENSG00000176912.3	1.956813441	2.082280545	1.64795252
SLC35E2	ENSG00000215790.6	2.544778516	2.093885411	3.794083324
ZNF57	ENSG00000171970.12	2.311893344	3.322382077	2.812851383
ZNF701	ENSG00000167562.12	2.566290819	3.105706299	3.816961101
KCNC4	ENSG00000116396.14	1.884091626	2.697584632	2.391972412
FZD5	ENSG00000163251.3	1.639515904	2.289107252	2.2139641
HDAC11	ENSG00000163517.14	1.693554915	3.964350204	3.692912081
AC016394.1	ENSG00000272599.2	3.690790888	2.508563866	1.940181252
PLP1	ENSG00000123560.13	5.292076134	6.654398753	6.126835109
IRS1	ENSG00000169047.5	1.76741216	2.663841353	4.575354029
TMEM147-AS	ENSG00000236144.6	3.913275325	3.694698641	2.051924235
LINC00174	ENSG00000179406.7	2.421556519	3.000835091	2.989946478
KLHL25	ENSG00000183655.12	2.200791852	2.001613171	2.016501427
MLLT3	ENSG00000171843.15	3.995473124	2.522151787	2.462013223
OTUD1	ENSG00000165312.6	2.377396585	2.877715856	3.339509782
TMEM45A	ENSG00000181458.10	2.028157151	4.802123108	2.665345592
NLRC5	ENSG00000140853.15	3.633818398	2.219497426	3.156444057
SDCBP2-AS1	ENSG00000234684.6	2.137664246	2.338124339	1.644711547
AC211429.1	ENSG00000242073.2	2.357204176	2.944873627	2.181854714
TESK2	ENSG00000070759.16	3.173409227	5.068080439	3.950799108
SLC27A3	ENSG00000143554.13	2.654907184	7.469131288	1.929184326
CPEB2	ENSG00000137449.15	1.958799847	3.165982442	5.483609189
APOBEC3G	ENSG00000239713.8	3.916928834	1.9190979	4.238107926
ZSCAN16	ENSG00000196812.4	2.647490312	2.275028653	2.970595333
ZNF577	ENSG00000161551.14	1.953657239	3.366459946	3.443558416
CDC14A	ENSG00000079335.18	3.030965933	1.715537715	2.028001963
VPS9D1	ENSG00000075399.13	3.283760942	3.857998258	3.917759614
IKBKG	ENSG00000269335.5	3.145289596	2.382666742	2.538011398

TGFB3	ENSG00000069702.10	1.807659478	4.317772069	2.256966997
CAMK2N1	ENSG00000162545.5	6.553308183	4.77368283	1.667808595
AP000525.1	ENSG00000272872.1	1.837053965	2.620662924	3.488151348
PUS10	ENSG00000162927.13	1.826083846	3.400931099	3.151575474
AC074117.1	ENSG00000234072.1	3.563539781	3.633074867	1.864616356
AMZ2P1	ENSG00000214174.8	1.664069461	2.005456426	3.680331627
AMN1	ENSG00000151743.10	3.231951922	1.796765747	3.354973913
SLC1A3	ENSG00000079215.13	2.525390483	2.187914609	1.749921136
FAM234B	ENSG00000084444.13	3.274924809	3.316499104	3.504998502
RHOBTB1	ENSG00000072422.16	1.643118949	3.436178939	2.563237501
VIM-AS1	ENSG00000229124.6	4.322686956	3.47715797	3.315411905
AC012510.1	ENSG00000273466.1	3.05004563	2.092843448	1.846024611
AC024075.1	ENSG00000267904.1	2.458446812	3.447876853	2.57344606
TRAF1	ENSG00000056558.10	5.353245232	1.893243583	4.938908464
SIRT5	ENSG00000124523.15	1.662942246	3.597869216	4.098223882
NPM1P27	ENSG00000249353.2	4.07570676	2.918688644	3.268897373
ZNF605	ENSG00000196458.10	2.947601524	2.778129564	1.633291193
HHLA3	ENSG00000197568.13	2.834921225	2.37721435	1.781286429
ATXN7L2	ENSG00000162650.16	3.326295502	1.978353227	1.714673973
ZNRF3	ENSG00000183579.15	2.581687669	2.9761567	4.450442375
TMEM140	ENSG00000146859.6	1.631352222	4.52668563	4.646219181
ZNF222	ENSG00000159885.13	2.751910948	1.813389801	3.397058571
ACBD4	ENSG00000181513.14	3.015575666	4.063865898	4.006730929
IQCC	ENSG00000160051.11	3.195016882	1.803988032	1.66621334
ZSWIM4	ENSG00000132003.9	4.451586053	3.831533373	3.412059587
CALML4	ENSG00000129007.14	1.97018789	1.947759982	2.175616427
JAM3	ENSG00000166086.12	4.657099431	4.539674527	1.811934427
COX10-AS1	ENSG00000236088.9	4.075522521	1.792314313	3.036819847
snoU109	ENSG00000238832.1	2.199377539	3.516383426	1.77202721
PNPLA3	ENSG00000100344.10	3.239987853	4.364143756	1.684971248
ZSCAN22	ENSG00000182318.5	2.61565961	2.058070409	2.216029497
ACVR2A	ENSG00000121989.14	2.393289128	2.05926263	2.686206251
AKAP2	ENSG00000241978.9	5.187123034	6.009242087	5.848997768
ZBTB26	ENSG00000171448.8	3.471189611	3.393890693	2.841363047
AC125232.1	ENSG00000231259.4	2.3200439	2.497078481	2.220761951
SNPH	ENSG00000101298.13	2.918311841	3.564680724	1.643905974
NOP14-AS1	ENSG00000249673.6	3.306646405	2.525155003	3.786290496
MROH6	ENSG00000204839.8	3.114779823	2.149823711	2.481761037
PRKCH	ENSG00000027075.14	4.266897327	4.778671085	3.273267934
LCAT	ENSG00000213398.7	1.819085958	1.925324393	2.20550558
BCL7A	ENSG00000110987.8	2.293658407	3.218255414	4.896431825
USP46-AS1	ENSG00000248866.1	3.30139552	2.304314161	2.206893691
ZNF594	ENSG00000180626.9	3.068024058	2.47689448	2.800188017
LY6G5B	ENSG00000240053.8	2.099118604	3.002601915	3.113628619
KANSL1L	ENSG00000144445.16	1.919934467	3.008281197	3.528620495
AL035541.1	ENSG00000227297.1	6.158453988	6.346458763	1.514700399

HDAC9	ENSG00000048052.21	1.654649391	4.373749374	4.316959929
SMAGP	ENSG00000170545.16	4.918348125	2.878010095	3.043217558
CEP112	ENSG00000154240.16	1.793198948	2.100601363	3.354717778
GPR89B	ENSG00000188092.14	2.254469816	1.900941095	2.00240853
AC116050.1	ENSG00000143429.10	2.843783279	3.43950463	2.012499289
TMEM229B	ENSG00000198133.8	4.46489964	4.107192998	4.821486906
HIC2	ENSG00000169635.9	1.953532648	2.291815157	2.131212073
TMEM117	ENSG00000139173.9	3.282937162	3.954335412	1.880785129
AC010186.2	ENSG00000256594.8	1.501452375	3.453488923	3.713440127
MTMR9	ENSG00000104643.9	3.661763741	1.531936902	3.494973461
MMP25-AS1	ENSG00000261971.6	3.473975283	3.273664338	2.573685451
PGGHG	ENSG00000142102.15	2.818770335	4.755712235	3.999702773
CGREF1	ENSG00000138028.15	4.149444843	4.394539048	1.582309831
GRASP	ENSG00000161835.10	1.863904705	3.411347238	2.426706563
FOXO1	ENSG00000150907.7	3.750383468	3.671886688	2.182770684
TRAF3	ENSG00000131323.14	3.141208059	3.235818151	1.932841667
ZNF548	ENSG00000188785.11	4.00556625	1.712657245	4.134587204
ZNF182	ENSG00000147118.11	2.930195875	3.334915991	2.82785242
KITLG	ENSG00000049130.14	1.639553473	3.442599634	2.565564098
PAQR8	ENSG00000170915.8	2.937474896	4.235552915	1.703365363
NAT1	ENSG00000171428.13	1.942802234	2.210502187	2.521749436
AL136370.1	ENSG00000272579.1	1.939029333	2.897691477	4.085451129
TRMT10B	ENSG00000165275.9	3.306965287	1.947341193	2.432832657
PPP1R13B	ENSG00000088808.16	3.271783915	2.769252046	2.832882174
SYNM	ENSG00000182253.14	5.825325011	4.914823602	6.099781412
USP31	ENSG00000103404.14	3.167892117	2.28900919	2.198500779
RALGPS2	ENSG00000116191.17	3.829490445	3.236591589	1.673725948
NUP50-AS1	ENSG00000226328.6	3.583709678	3.973826776	2.927799256
IRAK4	ENSG00000198001.13	3.290064088	3.363902123	1.71597227
RHOF	ENSG00000139725.7	4.128442267	3.616751075	2.454336822
CLHC1	ENSG00000162994.15	2.286414227	3.467171954	1.603428744
PKD1P6-NPIP	ENSG00000270580.5	4.121211775	2.537389725	3.070855881
KBTBD8	ENSG00000163376.11	2.475139381	2.046968697	1.601248939
SARM1	ENSG00000004139.13	3.944558985	4.396479852	2.546464895
C18orf54	ENSG00000166845.13	2.583201113	3.189662758	3.040073573
EFCAB2	ENSG00000203666.12	2.431366675	2.219961659	2.337550968
MAML2	ENSG00000184384.13	4.677329532	2.144281401	5.030206457
CA13	ENSG00000185015.7	2.08933375	2.706664857	2.950559026
AC016876.1	ENSG00000233223.2	5.378040907	1.798383365	2.516143591
ARL3	ENSG00000138175.8	4.11393598	2.446135497	3.453080336
FAM50B	ENSG00000145945.5	3.058758772	4.425977518	4.388868344
ZFP30	ENSG00000120784.15	1.513164111	2.829364373	3.247756716
EPHA2	ENSG00000142627.12	6.051747361	1.674806736	7.744002443
ZNF738	ENSG00000172687.13	4.954123597	3.323896859	1.835666018
SACS	ENSG00000151835.14	3.293449516	2.474331539	2.869922201
RRAGD	ENSG00000025039.14	3.80573535	5.453829486	5.693517915

CA11	ENSG00000063180.8	2.910728839	4.394761151	2.677419052
NBR2	ENSG00000198496.10	3.559124045	2.384881284	5.842024024
EID2B	ENSG00000176401.5	2.91197669	3.332664003	1.803945534
PLEKHG3	ENSG00000126822.16	2.646160943	3.157055798	2.910171783
RPS27AP16	ENSG00000224631.4	3.581813898	2.654916241	1.99656647
GDPD5	ENSG00000158555.14	3.085166208	4.084427452	5.001031435
IGIP	ENSG00000182700.4	1.540727842	1.611055495	2.623933488
LIMD2	ENSG00000136490.8	3.283004444	3.653090345	3.771584601
PINK1-AS	ENSG00000117242.7	2.950599091	1.633482993	1.524201429
PER3	ENSG00000049246.14	1.843117134	3.373893736	4.478154637
MIR647	ENSG00000207554.1	2.481895483	2.719302082	3.544086006
FDXACB1	ENSG00000255561.6	2.303530973	1.696727671	2.201312291
AC010326.4	ENSG00000270804.1	2.120237977	2.020164298	1.856131676
MT-TS1	ENSG00000210151.2	5.153322394	5.629676556	3.685562435
UBE2FP1	ENSG00000224080.1	3.333806375	2.668977083	2.560546513
GLCCI1	ENSG00000106415.12	2.320838375	3.02513399	3.740616599
CHN1	ENSG00000128656.13	4.885507914	3.289222331	4.522464044
AC012360.3	ENSG00000272994.1	1.493464632	2.54186554	2.192269885
PTPN4	ENSG00000088179.8	2.464571551	2.770705419	3.653970759
MYC	ENSG00000136997.17	3.865190435	4.202297397	4.927138067
ZNF528	ENSG00000167555.13	2.053304636	4.060215128	4.584609191
TTC30B	ENSG00000196659.9	2.507270666	2.476014022	1.623981531
BCL3	ENSG00000069399.14	4.743729435	2.490495832	1.537396005
AC024060.1	ENSG00000271870.1	2.783661363	3.055587087	2.677014649
KIAA1328	ENSG00000150477.14	2.279762785	2.682036479	2.248564104
ASMTL-AS1	ENSG00000236017.8	2.045457595	2.622084875	1.57481338
FAM86EP	ENSG00000251669.5	2.459793358	2.023819127	1.665132255
GPR19	ENSG00000183150.7	2.632104241	3.501130769	3.094653119
ZNF461	ENSG00000197808.11	1.899943361	2.510281853	2.395757926
ZNF484	ENSG00000127081.13	2.89620561	3.297867547	1.95250779
ZNF280C	ENSG00000056277.15	2.590736456	2.940752135	1.494647442
AC023509.1	ENSG00000257379.1	3.305161805	4.456964426	3.652411414
ARHGAP39	ENSG00000147799.11	2.727570392	2.0964146	1.615604347
LACC1	ENSG00000179630.10	1.545473454	2.904559447	2.942345005
ZNF230	ENSG00000159882.12	2.26174526	1.541118589	1.604688834
TRIM36	ENSG00000152503.9	3.414554079	1.667305733	2.260539611
ZNF25	ENSG00000175395.15	1.46350437	2.093465271	3.132005228
AL157392.3	ENSG00000239665.8	2.472930724	3.196983549	3.408637228
SHROOM2	ENSG00000146950.12	5.678098759	4.119242904	3.540154219
ARMCX5	ENSG00000125962.14	2.73196988	3.45938805	4.169309403
AC024592.3	ENSG00000267740.5	2.135470689	3.118795162	2.0629599
RPARP-AS1	ENSG00000269609.5	3.698078579	2.117912681	3.553664925
NR4A2	ENSG00000153234.13	4.122621149	3.659176241	1.657728
ZNF699	ENSG00000196110.7	1.691655394	2.778574618	2.743859002
AC004812.2	ENSG00000277283.1	1.72470771	1.584973704	2.57693904
AL160006.1	ENSG00000258634.3	2.992160571	3.280792681	2.078991626

SMIM14	ENSG00000163683.11	2.706072501	2.761689465	4.090064744
ABHD18	ENSG00000164074.14	2.748770209	1.513374919	2.60213273
TMOD2	ENSG00000128872.9	2.929935648	1.698240746	3.832009144
OSCP1	ENSG00000116885.18	3.249154847	2.174553753	1.655449389
AC000123.3	ENSG00000280347.1	2.095436254	1.532038175	2.350253279
AC145207.5	ENSG00000263731.1	2.809146156	2.344358629	1.482240263
CHAC2	ENSG00000143942.4	4.763562493	3.751496377	1.691853669
ZNF841	ENSG00000197608.11	2.185309954	3.355487045	2.295536216
MORN1	ENSG00000116151.13	4.433890357	3.854053215	1.530146504
EOGT	ENSG00000163378.13	4.111040986	3.831533947	5.128921955
F11R	ENSG00000158769.17	2.929429166	5.568098826	3.676493924
SEMA3B	ENSG00000012171.19	6.993274515	2.38845484	1.868799763
GNAO1	ENSG00000087258.14	5.069113621	4.295102358	3.75553902
ZNF235	ENSG00000159917.15	2.585060394	1.776542625	2.537163521
ADGRG6	ENSG00000112414.14	4.974597639	5.421309158	5.223761102
PYGL	ENSG00000100504.16	6.948155574	8.249314573	2.716786471
ANO8	ENSG00000074855.10	3.72263825	2.96687473	3.856774374
SMCO4	ENSG00000166002.6	1.609144477	3.120340025	3.144855547
EPOP	ENSG00000273604.1	4.542868389	3.683217071	1.506267778
APBB2	ENSG00000163697.16	3.667692412	3.13687541	5.949662201
ZNF674	ENSG00000251192.7	2.179009877	1.990682407	2.207040848
C11orf96	ENSG00000187479.5	1.893133382	7.694121659	5.224561753
TIAM2	ENSG00000146426.17	3.371541185	1.708162725	2.912390067
AC002467.1	ENSG00000241764.3	2.681887726	3.709398671	1.791957443
STXBP4	ENSG00000166263.13	1.84224649	1.660423892	2.392179404
SEL1L3	ENSG00000091490.10	4.881395696	4.031462598	4.541929124
FJX1	ENSG00000179431.6	4.621739105	4.134397006	2.774862523
RGL3	ENSG00000205517.12	3.848120125	3.875165779	3.377996683
JUP	ENSG00000173801.16	1.596430974	3.985662444	2.737910765
SNORA71B	ENSG00000235408.5	2.840965769	2.923195355	1.78308775
ZSWIM3	ENSG00000132801.6	2.412985698	1.660260331	2.368952731
OXCT1	ENSG00000083720.12	5.806225493	5.324114215	6.22542283
GIMAP2	ENSG00000106560.10	2.031732319	1.678046325	3.381086617
ERVK13-1	ENSG00000260565.6	2.855165736	2.498337221	2.981950674
DLG3	ENSG00000082458.11	3.224605253	2.174831483	2.277048328
LGR4	ENSG00000205213.13	3.202015757	2.955943274	3.023323096
TTC7B	ENSG00000165914.14	1.893075343	2.835465967	1.919363703
FBXL2	ENSG00000153558.13	1.660041758	2.610710132	2.705560648
AC018647.2	ENSG00000271122.1	3.44349971	3.494039798	3.119844297
DIXDC1	ENSG00000150764.13	5.118626706	2.530930768	1.871600639
BTN3A3	ENSG00000111801.15	3.26485112	3.412456375	1.453513414
C19orf57	ENSG00000132016.11	2.85530888	2.738468278	3.515871116
LURAP1	ENSG00000171357.5	2.113341537	3.420173474	1.988959485
SH3D21	ENSG00000214193.10	2.853050463	2.150372386	2.42811271
ZNF416	ENSG00000083817.8	2.689510886	1.43784692	2.769804264
FAM78B	ENSG00000188859.6	4.242153627	1.617629587	3.148251735

TET2	ENSG00000168769.13	2.911652615	1.993331191	3.166541118
RAB40B	ENSG00000141542.10	2.121205111	1.991802599	2.467050469
ANKRD42	ENSG00000137494.13	3.562967543	2.082992397	2.313836231
ZNF775	ENSG00000196456.11	2.046610422	2.516477821	3.363948933
EEF1AKMT3	ENSG00000123427.16	2.013917733	1.879400668	5.16211255
ZNF561-AS1	ENSG00000267106.5	1.752554504	2.21663379	2.872865476
TMEM106A	ENSG00000184988.8	2.249073564	3.292471416	2.948868034
TRIM52-AS1	ENSG00000248275.1	3.311616947	1.583806673	3.927586966
TMEM182	ENSG00000170417.15	1.950610995	3.199606646	2.849382648
AC007406.5	ENSG00000261799.1	1.667056867	2.381361319	3.544256907
MT-TM	ENSG00000210112.1	2.444797952	2.923149604	8.114706901
ADCY7	ENSG00000121281.12	4.079388146	2.918770118	1.753771601
AC012615.1	ENSG00000261526.2	1.667100452	1.779640288	3.176650796
NUDT18	ENSG00000275074.1	2.367351273	3.428430685	2.51712161
GAREM2	ENSG00000157833.12	1.636201972	3.638748181	2.799765705
EXO5	ENSG00000164002.11	3.83549884	3.270609677	2.155274582
APOLD1	ENSG00000178878.12	1.632533416	8.188825791	5.763028703
DISC1	ENSG00000162946.21	1.407845635	2.207423727	3.616527115
MIR1244-3	ENSG00000283429.1	3.448693639	2.862718902	1.828582705
AC138123.1	ENSG00000256393.1	3.623548682	2.985443499	1.919789897
ZNF341	ENSG00000131061.13	2.394999908	1.816684588	1.410931818
CCDC120	ENSG00000147144.12	1.402329028	2.976744586	1.811559415
AC009275.1	ENSG00000273297.1	1.618125403	2.458676853	3.283013402
PIK3CD-AS2	ENSG00000231789.2	1.809087666	3.8891679	3.776223018
ZSCAN16-AS1	ENSG00000269293.2	1.552562467	1.84918145	2.486087103
HLA-F-AS1	ENSG00000214922.9	1.433793702	5.661955482	2.961424085
ZNF527	ENSG00000189164.14	2.577022885	2.177748526	2.488493761
YY2	ENSG00000230797.2	1.982953444	2.197397707	3.530380412
ZNF33B	ENSG00000196693.14	3.749172539	1.664778009	3.527920759
ZNF264	ENSG00000083844.10	3.445218313	2.14526218	2.378720991
GATA6	ENSG00000141448.8	1.516487598	1.471297292	2.980534522
AC012467.2	ENSG00000271976.1	3.245483621	2.778181363	1.598940313
CCDC15	ENSG00000149548.14	3.142090288	1.355132164	2.575856452
ZNF805	ENSG00000204524.6	2.383243482	2.162426611	2.800509361
TAPBPL	ENSG00000139192.11	2.874933283	1.406564501	2.091122397
RASSF7	ENSG00000099849.14	1.930440642	2.921400129	3.022058241
NUDT13	ENSG00000166321.13	1.814072339	1.563133974	2.65364025
CAB39L	ENSG00000102547.18	1.459278006	3.864449393	4.30918095
TTLL7	ENSG00000137941.16	1.891922128	3.004430584	1.576704478
GLYCTK	ENSG00000168237.17	3.951955478	3.125457317	3.137461038
PANK1	ENSG00000152782.16	2.504158238	1.925117706	1.608898034
AC048341.3	ENSG00000275180.1	3.412570829	3.230767018	2.924878053
ZNF704	ENSG00000164684.13	2.461453238	4.599389128	5.72430597
NFKBID	ENSG00000167604.14	2.702254158	3.41776809	2.229150169
CTDSPL	ENSG00000144677.14	3.252454839	3.769782849	1.992854621
CARF	ENSG00000138380.17	1.636510482	1.797804905	1.814470087

PHLPP2	ENSG00000040199.18	3.335812253	2.648011721	3.118818074
ZNF329	ENSG00000181894.14	2.139101444	3.537738601	3.194655217
CAMK2N2	ENSG00000163888.3	2.390590867	2.572964323	1.932816107
RCBTB2	ENSG00000136161.12	1.78215501	2.954722287	3.999228183
MIR4442	ENSG00000283971.1	3.312289849	2.753969013	2.999719835
ZNF589	ENSG00000164048.13	3.413128814	3.213000953	2.954705113
SLC7A8	ENSG00000092068.19	1.517602706	6.541881879	7.684779166
TRIM45	ENSG00000134253.9	1.800142441	2.903776007	2.467947188
ZNF823	ENSG00000197933.12	2.617742351	1.387146596	2.140063434
MFSD4B	ENSG00000173214.5	2.119503012	3.031038642	2.0551767
GTF2H5	ENSG00000272047.1	2.266944099	1.344134267	1.716275051
CCDC24	ENSG00000159214.12	2.333344179	3.459751621	2.908979463
TRIM16L	ENSG00000108448.21	4.365970917	2.170127811	2.633363272
C14orf80	ENSG00000185347.17	4.385262371	3.488598163	1.416824175
RNF217	ENSG00000146373.16	2.287728132	1.725535609	2.406719218
AC021097.1	ENSG00000272661.1	2.170058606	2.674239188	1.718666261
SLC2A6	ENSG00000160326.13	2.933135366	5.040926627	1.481102655
C17orf49	ENSG00000258315.5	3.111396993	1.758085282	2.56002038
ZNF460	ENSG00000197714.8	2.488176301	1.358996949	2.792087707
PCNX2	ENSG00000135749.18	4.347575874	2.825494355	3.678749099
FKRP	ENSG00000181027.10	4.420804866	2.201654068	3.594963016
SNORD17	ENSG00000212232.1	5.185616267	3.555559796	1.729256058
MIR6835	ENSG00000276404.1	2.604348579	1.758900403	1.850388922
MEX3A	ENSG00000254726.2	4.672006778	3.139279165	1.681918775
TGFA	ENSG00000163235.15	8.572803089	4.421665364	1.907918912
AC022400.7	ENSG00000279088.1	2.697679692	2.405381978	2.687675087
BEND3	ENSG00000178409.13	2.713861851	2.516368588	1.375557195
IRF7	ENSG00000185507.19	2.039101769	2.676258221	4.249654506
PUS7L	ENSG00000129317.14	3.577923899	2.96712503	1.646490282
ZNF232	ENSG00000167840.13	4.048369327	1.589165369	2.657644839
ZNF431	ENSG00000196705.8	2.740760027	2.297526018	1.630435257
PPP4R1L	ENSG00000124224.16	3.111282937	3.175262654	1.670690241
PPP1R3E	ENSG00000235194.8	2.253155446	1.523791594	1.754141723
DGKH	ENSG00000102780.16	2.79704774	2.449463013	2.699939324
FAM171A2	ENSG00000161682.14	1.930207359	2.43065154	1.707213055
RAB20	ENSG00000139832.4	4.323873378	4.788407688	1.459337101
AL138724.1	ENSG00000272269.1	1.445955896	1.692421604	2.127172745
NT5M	ENSG00000205309.13	1.974810974	2.487855324	2.106261472
VASH1-AS1	ENSG00000258301.3	1.84171137	2.156064456	3.753785915
TDP1	ENSG00000042088.13	4.392117142	3.111957582	1.690219246
EFNA4	ENSG00000243364.7	3.123141399	3.408494176	1.431863153
ZBTB49	ENSG00000168826.15	2.196514574	1.614094235	3.260515013
FZD4	ENSG00000174804.3	3.805566503	2.237149087	1.289846626
AZIN2	ENSG00000142920.16	2.144955039	2.817338065	1.425660371
ZXDB	ENSG00000198455.4	2.715034365	2.427238757	2.638813197
AC092368.3	ENSG00000261512.2	1.382855882	2.801063018	2.830979034

NPAS1	ENSG00000130751.9	3.572622153	5.029428788	5.297948601
AL731577.2	ENSG00000249456.1	3.597490191	2.385005452	3.477445789
GNG4	ENSG00000168243.10	5.716943019	3.023565007	4.385143204
AC068870.2	ENSG00000277782.1	2.437848019	3.212403305	4.810128173
PARD6G	ENSG00000178184.15	2.997197154	5.186376521	3.794110089
C16orf95	ENSG00000260456.6	1.368183281	2.159473574	1.713178527
FRS3	ENSG00000137218.10	2.00514856	2.639108306	2.473400025
COL27A1	ENSG00000196739.14	4.08065722	3.83345272	4.085525411
AC015813.1	ENSG00000264112.1	1.579211314	3.166858383	2.693580421
NAT6	ENSG00000243477.5	3.944222988	3.561399897	1.583489307
DAGLA	ENSG00000134780.9	2.391226362	1.330507799	3.067615798
AC091982.4	ENSG00000275765.5	2.261400286	1.569944411	1.533594523
MIR3681HG	ENSG00000224184.5	2.999791161	1.534902352	2.07857178
MTCO2P12	ENSG00000229344.1	1.51079533	3.251255321	3.475406087
TCEANC2	ENSG00000116205.12	2.469859862	1.698090594	1.420439031
FO538757.1	ENSG00000279457.4	2.133913347	1.50994576	3.375703552
PSTK	ENSG00000179988.13	2.807412556	1.85734158	1.291604652
FAM185A	ENSG00000222011.8	2.668121006	2.30812989	1.523173065
MTND1P23	ENSG00000225972.1	1.470802442	3.235015824	2.05875309
RGS20	ENSG00000147509.13	1.474167266	5.031453557	5.070033952
AC009237.14	ENSG00000272913.1	3.897921858	1.419776763	3.87092348
PIM1	ENSG00000137193.13	3.103042561	1.445097152	2.735185383
DDX58	ENSG00000107201.9	1.486738938	2.016963434	1.266877595
HYI	ENSG00000178922.16	4.54048352	2.989853305	3.502611093
AC083899.1	ENSG00000204745.3	1.313261022	1.825986868	1.459504153
CXorf57	ENSG00000147231.13	2.489107101	2.95175912	4.494445125
ZNF530	ENSG00000183647.10	2.614953045	1.600327997	1.87494078
BX322557.1	ENSG00000215447.7	3.951372158	3.223738483	2.333302316
NKX6-1	ENSG00000163623.9	2.989055455	2.098951116	2.11513871
DNAJC15	ENSG00000120675.5	2.016246293	3.89634978	3.43244439
AL604028.1	ENSG00000230896.1	2.23152223	1.821693612	2.24944897
ZNF606	ENSG00000166704.11	2.045605057	1.457917563	2.780094339
PTPN21	ENSG00000070778.12	2.021997048	1.335488977	2.126296959
LRRC49	ENSG00000137821.11	3.216297178	2.333226165	3.099581023
AC073335.2	ENSG00000273142.1	2.58426877	3.836531031	3.142278613
TMPPE	ENSG00000188167.8	2.160967399	2.218490451	1.689126991
TLR3	ENSG00000164342.12	2.601332918	2.228088231	2.212619865
AC012513.3	ENSG00000279348.1	2.502164022	1.522911944	1.237892761
NOTCH2NL	ENSG00000264343.5	5.294308038	2.514543515	2.449749249
GLUD2	ENSG00000182890.4	2.189716808	4.393766664	3.232394023
SNORA52	ENSG00000199785.1	3.123125034	3.072428409	2.409094468
LINC01560	ENSG00000196741.5	2.668164301	1.661272339	1.943865252
ZNF260	ENSG00000254004.6	3.147426134	3.689119349	2.386411038
ZNF772	ENSG00000197128.11	4.157305753	1.482044735	2.709366242
RAB30	ENSG00000137502.9	2.057637263	1.838613001	3.000081352
ZDHHC14	ENSG00000175048.16	2.079150756	1.747885274	2.688810709

KDM7A	ENSG00000006459.10	2.832465987	2.052967478	3.281925573
MCM3AP-AS1	ENSG00000215424.9	1.61496197	2.417056946	2.111729649
CCDC121	ENSG00000176714.9	2.312192795	1.974220174	2.339319555
MDM4	ENSG00000198625.12	3.224567706	2.494673822	3.421782096
ZNF133	ENSG00000125846.15	2.985398354	2.792384633	2.162192278
AL021707.2	ENSG00000228274.3	2.601866363	2.493759732	2.949536695
AC022509.3	ENSG00000256894.1	1.848967653	3.111770778	2.750948443
NP1PA1	ENSG00000183426.16	2.469732532	2.65792679	3.814531989
TTC7A	ENSG00000068724.15	3.840293292	3.258783579	1.429730656
HCN3	ENSG00000143630.9	1.383098725	2.11891032	1.624077169
RECK	ENSG00000122707.11	2.448289649	3.261362546	1.510086811
SP140L	ENSG00000185404.16	4.127962603	4.186420661	1.515863
ZNF597	ENSG00000167981.5	1.510255847	2.929367807	1.749881714
GABPB1-AS1	ENSG00000244879.6	4.20016833	4.262471687	3.001741327
AF117829.1	ENSG00000251136.8	2.712151581	1.615067469	3.572626118
TEAD2	ENSG00000074219.13	4.673123617	5.391920896	1.334911585
PPP2R3A	ENSG00000073711.10	3.983993803	4.072262784	1.659193189
PRAG1	ENSG00000275342.4	1.667297607	2.265248813	4.519228272
snoU2_19	ENSG00000201592.1	3.159383505	1.609044368	2.976806426
CCDC28B	ENSG00000160050.14	4.936886167	1.479626144	3.344719033
ZNF619	ENSG00000177873.12	2.302293573	2.56852371	2.946923661
HERC2P3	ENSG00000180229.12	3.821676663	3.527950551	3.825171037
AC135983.2	ENSG00000223509.8	2.198283828	1.672559936	2.62652315
LRMDA	ENSG00000148655.14	1.612612282	3.769261619	5.862360736
ARID3B	ENSG00000179361.17	1.762857625	3.717401633	1.940988271
ZNF782	ENSG00000196597.11	2.226398649	2.663761586	2.0633807
RILP	ENSG00000167705.11	2.333119276	2.17939409	3.210323269
ZNF445	ENSG00000185219.16	2.881561235	3.159243279	2.450782347
PGM2L1	ENSG00000165434.7	1.359320661	2.825824075	1.94733157
FBXL20	ENSG00000108306.11	4.271530594	3.62542221	4.01162186
SLC7A2	ENSG00000003989.17	3.021690075	4.337744883	3.779169209
AC092919.2	ENSG00000279673.1	1.830725442	2.921024919	1.970412973
AC109322.1	ENSG00000255224.1	2.637561891	3.310675752	2.213511412
NRG2	ENSG00000158458.19	3.135531775	1.430928875	1.571681224
ALG10	ENSG00000139133.6	3.299486751	2.537950093	1.393761344
ZNF77	ENSG00000175691.8	2.270060565	3.337730239	3.109558423
AP002387.1	ENSG00000254682.1	3.122361624	3.148889348	1.520071787
SLC37A2	ENSG00000134955.11	5.356176006	4.323497117	1.389925232
ZNF221	ENSG00000159905.14	1.778357508	1.981300365	1.614894558
GALNT12	ENSG00000119514.6	1.359397675	4.170123371	2.95935982
EFCAB13	ENSG00000178852.15	2.491749277	2.42095125	2.13597703
TTC21A	ENSG00000168026.18	2.129852486	2.581427622	2.756972485
MSTO2P	ENSG00000203761.5	2.124455718	2.314609702	1.740870972
KLF12	ENSG00000118922.17	2.799071988	3.109862038	4.156543161
LRP5	ENSG00000162337.11	5.466718123	5.27284022	4.364341231
ZNF17	ENSG00000186272.12	2.639043337	1.664919556	2.330313692

DPF1	ENSG00000011332.19	3.720577889	2.760534314	1.619854186
PDIA3P1	ENSG00000180867.10	2.23532603	2.328830308	2.733519558
ZNF41	ENSG00000147124.12	3.552778976	2.144985753	2.175711226
OTX1	ENSG00000115507.9	1.642434708	3.094756144	2.301323252
EPAS1	ENSG00000116016.13	1.22964807	7.03422545	7.999532341
PCOLCE2	ENSG00000163710.7	4.342018312	4.702888762	2.803354677
ZBTB43	ENSG00000169155.9	1.83132076	2.882481527	2.655356349
ZDHHC21	ENSG00000175893.11	4.00442899	3.116471898	2.958119667
HTD2	ENSG00000255154.7	4.392840511	4.286370838	1.64676708
SNORD48	ENSG00000201823.1	2.87561752	2.584226207	2.232484224
TBC1D12	ENSG00000108239.8	3.025246419	1.661828625	2.88403408
THAP10	ENSG00000129028.8	2.953179806	1.440816026	1.75095696
LRIG3	ENSG00000139263.11	4.665211447	2.790075642	1.552246004
AC009506.1	ENSG00000224152.1	1.581520052	2.25004357	2.013735668
CAPS2	ENSG00000180881.19	1.58113717	2.325140278	4.268042868
ZBTB12	ENSG00000204366.3	3.577953614	2.364667518	3.310162822
FGFR1	ENSG00000077782.19	4.065064489	3.780410836	5.664568908
LINC01963	ENSG00000260804.3	3.346374094	2.30342393	1.232061411
GSEC	ENSG00000280832.1	3.017682891	1.325501021	1.354510837
TTC30A	ENSG00000197557.6	2.784007939	2.756461311	1.278769978
RPL3P4	ENSG00000232573.1	3.217611477	2.304382823	2.365856814
SALL2	ENSG00000165821.11	2.260521352	2.892779864	2.988339597
ZNF136	ENSG00000196646.11	2.523929615	1.627616671	2.03218683
LINC00205	ENSG00000223768.1	3.096914022	2.386481961	1.592738446
PQLC3	ENSG00000162976.12	1.352049524	5.203864735	4.534836016
TRANK1	ENSG00000168016.13	2.904258761	3.484327167	1.32877782
AC026304.1	ENSG00000268129.1	1.717034582	2.672746312	1.401805863
AL391244.3	ENSG00000272455.1	3.804268675	2.606387574	1.463437608
CDHR3	ENSG00000128536.15	1.639355235	2.026773549	2.568393854
SHF	ENSG00000138606.19	2.389515493	2.476586877	3.007315313
AC242426.3	ENSG00000237188.3	2.281297236	2.169809206	2.644286869
FIGN	ENSG00000182263.13	1.653147332	2.835076326	3.390610416
AP001107.9	ENSG00000255468.6	1.839093523	1.512846376	2.972015578
AC008966.1	ENSG00000247796.2	2.01686953	1.478495354	1.710161034
TBC1D32	ENSG00000146350.13	2.145950123	1.434963829	1.418983968
NFATC2	ENSG00000101096.19	7.01855785	1.64797981	7.598598259
DDIAS	ENSG00000165490.12	3.43286354	2.778812869	2.339579409
AC016065.1	ENSG00000246089.3	2.533065184	1.254921088	2.978601514
TTC28	ENSG00000100154.14	1.593230266	1.802324142	3.178542251
C1orf74	ENSG00000162757.4	2.877949205	1.237264308	2.18303161
ZNF570	ENSG00000171827.10	1.892086677	2.022195491	1.126835173
TEX9	ENSG00000151575.14	1.988322288	2.536681655	3.542017275
FAM122C	ENSG00000156500.14	2.021000854	1.913406063	2.653872169
SH2D5	ENSG00000189410.11	1.462676608	1.247147257	1.258728608
TNFRSF21	ENSG00000146072.6	6.227090391	4.76071506	1.382228707
SLC41A2	ENSG00000136052.9	3.158012495	3.476750495	2.307981497

U62317.3	ENSG00000272821.1	2.379511123	1.824855509	2.037384117
RAB3IP	ENSG00000127328.21	2.90353635	2.667172218	5.124178982
AC125807.2	ENSG00000250899.3	3.413356011	1.30503245	1.87344493
SLC4A11	ENSG00000088836.12	2.603957482	3.049521178	1.746642574
TRIM32	ENSG00000119401.10	2.21687606	3.650416374	1.90208797
ZNF852	ENSG00000178917.15	1.781481113	2.071820369	2.355798171
CXADR	ENSG00000154639.18	1.866983317	4.177888291	1.97792614
RPL15P3	ENSG00000212802.4	2.673901701	2.035471311	1.520605658
IQCK	ENSG00000174628.16	2.59492564	1.805348869	2.931925138
LINC00641	ENSG00000258441.1	1.245484518	1.515925977	1.426359763
CCDC125	ENSG00000183323.12	3.555692018	3.138860318	3.780355632
AC009061.2	ENSG00000270049.2	1.856634213	1.243030708	2.728361876
EFR3B	ENSG00000084710.13	1.210852189	3.523519105	3.301404078
TOR3A	ENSG00000186283.13	6.203456251	5.012927513	5.343449672
NCK1-AS1	ENSG00000239213.5	1.359406845	2.813363906	2.375285252
AC005076.1	ENSG00000224046.1	1.711490642	1.314797135	1.748162475
CYB5R4	ENSG00000065615.13	2.513807666	2.549805726	2.367094748
BCLAF3	ENSG00000173681.16	2.377227471	2.145874135	3.624885991
AL451165.2	ENSG00000272288.5	1.333065672	2.195089526	2.207049909
PPM1M	ENSG00000164088.17	3.89544005	3.283970837	2.639236417
MTCP1	ENSG00000214827.9	3.121814927	2.803211946	2.810105144
DCBLD1	ENSG00000164465.18	3.448296088	2.676326403	3.976301604
AC114271.1	ENSG00000274425.1	3.139220154	2.397438363	1.097298045
HIST2H2BE	ENSG00000184678.10	1.419470752	4.805766014	1.284328176
MVB12B	ENSG00000196814.14	3.31743042	3.545721896	2.904639907
ST3GAL6-AS1	ENSG00000239445.5	2.121560592	3.690026248	4.647522934
TMEM44-AS1	ENSG00000231770.5	2.912138821	3.614430671	1.468620365
SLC27A5	ENSG00000083807.9	4.010411553	1.668435818	2.038705843
KBTBD3	ENSG00000182359.14	2.549818821	1.895106795	2.412200209
ZNF85	ENSG00000105750.14	3.881721023	2.936811107	1.340475524
NRDE2	ENSG00000119720.17	2.675582789	2.154207313	1.115151135
ARRDC4	ENSG00000140450.8	2.420867866	3.788576177	1.237059113
SIX4	ENSG00000100625.8	3.411030628	2.50478926	2.372695345
ATP2A1-AS1	ENSG00000260442.5	3.940255143	2.069258511	2.081760655
STXBP6	ENSG00000168952.15	1.142517275	3.335794854	4.804162165
ATP7B	ENSG00000123191.14	1.971519353	3.449176186	4.114493698
EPM2A	ENSG00000112425.14	2.497503914	1.951947678	2.09017501
ZNF223	ENSG00000178386.12	1.611865507	1.735963288	2.289892917
STARD7-AS1	ENSG00000204685.6	1.382076832	2.839398109	2.164951536
VASH1	ENSG00000071246.10	3.624913454	1.275203326	4.646703551
KLF5	ENSG00000102554.13	5.059094645	3.564976349	1.709062129
FTX	ENSG00000230590.9	2.951952015	3.878193581	2.078231919
KIF24	ENSG00000186638.16	2.582254453	1.369957392	1.091083451
FBXL15	ENSG00000107872.12	4.000176456	3.342752792	3.121206678
ZNF250	ENSG00000196150.13	2.471693548	1.405648631	2.476665558
LINC00630	ENSG00000223546.6	2.482551883	3.059955836	2.843023963

MT-TN	ENSG00000210135.1	3.486892594	3.744449134	2.666848909
SNORA24	ENSG00000275994.1	3.616375035	2.468911935	2.125117318
CYB5D1	ENSG00000182224.11	2.55031605	1.242718344	1.403126869
SLC31A2	ENSG00000136867.10	2.76401938	4.84136693	1.364120784
MAP1B	ENSG00000131711.14	4.93943943	4.859149289	7.5048444
GFOD1	ENSG00000145990.10	1.337767604	3.396372307	2.522921203
EEPD1	ENSG00000122547.10	1.637992113	3.57754747	2.358082982
ABHD8	ENSG00000127220.5	4.801733547	4.321498487	4.427996635
SNORA5C	ENSG00000201772.1	2.554462423	3.242425002	2.432907236
ZNF839	ENSG00000022976.15	2.879207789	2.971649454	1.432670242
PDCD4-AS1	ENSG00000203497.2	2.646623164	2.454307346	3.548411047
RUNX1	ENSG00000159216.18	4.768201199	4.203031711	1.092051765
PDCL	ENSG00000136940.13	5.074326524	5.168085273	1.417193703
ZFP1	ENSG00000184517.11	3.724664765	2.925488354	3.977912565
AP006621.3	ENSG00000255284.1	2.899173496	3.348281422	1.288300447
TNFAIP8	ENSG00000145779.7	1.82131948	1.46282639	1.680602489
GCH1	ENSG00000131979.18	2.232788492	1.126762778	3.224611289
AC040169.1	ENSG00000260018.1	1.261360295	1.725507274	1.831181417
ZNF84	ENSG00000198040.10	3.816669427	3.513508156	1.578983888
ZNF615	ENSG00000197619.13	2.768822817	2.130746204	2.25838272
AC083880.1	ENSG00000273391.1	2.484935513	1.772049117	2.296490493
AL691447.3	ENSG00000282886.1	2.418170502	1.731653369	1.424751229
A2M	ENSG00000175899.14	5.543726942	7.030302451	7.922212568
PELI2	ENSG00000139946.9	2.978496247	3.174941072	3.811548333
ANKRD36C	ENSG00000174501.14	2.101395204	2.43893485	1.083675197
MIR22HG	ENSG00000186594.14	2.504068027	2.285922385	3.533172281
ZNF324	ENSG00000083812.11	3.350404222	2.378698824	2.267108437
TRAM2-AS1	ENSG00000225791.6	2.136537901	1.964466359	2.791316372
FSCN1	ENSG00000075618.17	8.717375563	1.353396471	6.657951875
RPLPOP6	ENSG00000213553.4	2.900254273	1.508660017	2.631810388
ZNF627	ENSG00000198551.9	3.670074596	2.972416859	3.193035803
ERBB2	ENSG00000141736.13	5.41600921	5.229339847	1.32732337
PDZRN3	ENSG00000121440.14	3.552760807	5.614247242	4.869020608
RASSF4	ENSG00000107551.20	1.590409363	1.687983161	1.983587776
HIST1H2AC	ENSG00000180573.9	1.482576327	4.896805708	1.410606959
FAXC	ENSG00000146267.11	1.201532306	1.961225343	2.239803091
ZNF724	ENSG00000196081.9	4.283691256	2.503420801	1.140254326
GOLGA7B	ENSG00000155265.10	3.943533016	4.277250778	3.97368124
PARGP1	ENSG00000239883.8	2.37440849	1.830786717	1.837577429
TMTC1	ENSG00000133687.15	1.255148003	3.735815833	2.796356712
HOXD13	ENSG00000128714.5	3.496623003	3.471525206	3.292607116
LINC01481	ENSG00000257815.5	2.393590872	1.378199517	3.199838169
LBH	ENSG00000213626.11	1.149505028	4.22232129	5.549097511
AL118516.1	ENSG00000260708.1	3.851372217	3.559162638	3.189211911
AC024075.2	ENSG00000269044.2	2.624274858	3.401206099	2.569027469
AC138696.2	ENSG00000272172.1	2.081477055	2.333294598	1.463494786

SCN1B	ENSG00000105711.11	2.124434937	2.658259848	1.912604149
AP003486.1	ENSG00000255455.2	1.770519004	1.101863299	2.467912716
TNFSF9	ENSG00000125657.4	4.182765424	1.539713516	4.347872105
ZNF696	ENSG00000185730.7	3.309466356	2.135847991	3.07641102
MIR186	ENSG00000207721.1	2.738671637	2.108629146	2.561303055
ZBTB37	ENSG00000185278.15	2.056997248	2.029715602	1.753067539
ZNF419	ENSG00000105136.20	3.052799702	1.102917969	2.581214848
MINDY4	ENSG00000106125.14	4.192843534	2.809327358	1.529038628
COL7A1	ENSG00000114270.17	3.364077724	2.494944897	2.445435293
AL133520.1	ENSG00000273893.1	1.686162755	2.047307461	3.019336606
FAM3C2	ENSG00000174028.6	2.561562071	1.769918115	1.28938455
IL18BP	ENSG00000137496.17	1.270919175	1.926520309	1.671821191
TPT1-AS1	ENSG00000170919.15	3.669782122	4.320092629	3.00628296
PLXNA2	ENSG00000076356.6	1.384409764	1.140390712	5.836570735
SNORA73B	ENSG00000200087.1	4.386517116	3.350583274	1.383176308
IRX5	ENSG00000176842.14	3.226931367	2.536934497	3.214354682
LINC01293	ENSG00000230836.1	5.004265235	1.311395692	2.030152005
PHKA1	ENSG00000067177.14	4.141747392	2.988448925	3.987439692
AC127502.2	ENSG00000270055.1	1.638663216	1.577439125	2.366936597
ACVR2B	ENSG00000114739.13	2.974480825	3.595901008	2.839757097
ZNF23	ENSG00000167377.17	2.400041666	2.279432569	3.405843964
TNFSF12	ENSG00000239697.10	1.070738032	2.689172541	4.927487657
AP006621.5	ENSG00000279672.1	2.505082888	2.877177718	1.706551619
AL035587.1	ENSG00000231113.2	1.74513445	1.783989164	1.717501372
44077	ENSG00000100167.19	2.259811757	4.535973811	5.181780123
SNORD69	ENSG00000212452.1	2.086786792	2.554498111	1.299190707
AL162231.1	ENSG00000187186.14	2.317245273	3.383998726	2.420519372
FAM83H	ENSG00000180921.6	0.996126871	5.221714526	2.240518651
C17orf100	ENSG00000256806.5	1.434396823	1.304807181	2.899485528
SLC22A18AS	ENSG00000254827.5	1.171992674	2.649768389	4.234714334
FAM72B	ENSG00000188610.12	3.582392924	1.767243406	1.143161209
TXNIP	ENSG00000265972.5	4.334200394	5.063896917	2.008638106
TMEM158	ENSG00000249992.1	5.291775	4.884260592	4.019895819
ADAT3	ENSG00000213638.5	2.70324269	2.891944199	2.381617161
BMF	ENSG00000104081.13	2.836473675	1.485653661	4.203163259
FANCB	ENSG00000181544.13	4.247797397	2.460328579	1.104948635
FMNL1	ENSG00000184922.13	1.082077447	4.229973483	3.836932434
CORO1A	ENSG00000102879.15	3.868757509	1.397906052	1.634077965
SYT14	ENSG00000143469.18	2.195239049	3.322809636	1.45501918
ITPRIP	ENSG00000148841.15	5.7788808	6.002459868	1.019097517
MLKL	ENSG00000168404.12	4.675904607	2.725975775	2.59912975
AC068580.4	ENSG00000250644.3	2.507951966	4.762644218	4.22611017
AC022107.1	ENSG00000280187.1	2.901857173	1.73771322	0.996842613
INTU	ENSG00000164066.12	0.99205449	1.765612017	2.244660363
CDK18	ENSG00000117266.15	3.85601137	2.840645087	2.548546384
NXN	ENSG00000167693.16	1.193980671	3.723131509	5.756990037

C9orf172	ENSG00000232434.2	2.182632724	2.719158119	2.997994206
AL450405.1	ENSG00000230202.1	5.216605014	2.536608315	2.253003808
ARMCX5-GPR	ENSG00000271147.7	1.473417782	2.815397671	3.294531995
AC069281.2	ENSG00000274272.1	1.176833352	3.020477592	2.372283203
ELF4	ENSG00000102034.16	3.404418173	4.474443819	4.752231136
GPR146	ENSG00000164849.9	1.545219345	1.420437573	1.908858448
RPAP2	ENSG00000122484.8	1.983217546	2.063057873	1.635546051
TLCD2	ENSG00000185561.9	1.887212174	1.272074241	3.320586078
AC087388.1	ENSG00000262251.1	3.187675518	1.41733104	1.818331376
ATF3	ENSG00000162772.16	2.972789744	1.643653753	5.10447218
ROPN1B	ENSG00000114547.9	2.967208892	3.853927967	4.589478436
ZDHHC23	ENSG00000184307.14	2.272325813	2.889537408	5.070680649
TRPS1	ENSG00000104447.12	3.838401803	3.074381166	3.102643548
MT-TR	ENSG00000210174.1	1.559899857	4.036380868	1.445466904
DUXAP8	ENSG00000271672.1	2.795954332	1.854663367	3.000807785
TMCC1-AS1	ENSG00000271270.5	1.095411143	2.738382135	2.083806314
TM7SF2	ENSG00000149809.14	2.580791602	4.170545765	4.324409745
AL590867.2	ENSG00000218426.5	2.425068068	1.852531581	1.319337992
CAMKK1	ENSG00000004660.14	1.588387227	1.781696373	1.053607877
TBKBP1	ENSG00000198933.9	2.800149605	3.9373474	4.036200699
AC127024.5	ENSG00000266490.1	3.167116873	2.048811868	2.1438775
MC1R	ENSG00000258839.3	2.837345307	3.916548322	4.379278325
SNORD62B	ENSG00000231587.1	2.438097932	3.120666194	1.363410674
ZFP82	ENSG00000181007.8	3.344442068	1.706912876	2.953906549
SNORA5A	ENSG00000206838.1	2.1013803	3.242577329	2.922760447
AC006538.1	ENSG00000261342.1	1.647352844	2.106081983	1.555183954
MAN1C1	ENSG00000117643.14	2.923143646	2.112373607	3.187925605
ARHGEF26	ENSG00000114790.12	3.815188697	3.938282882	1.174288121
AC010642.2	ENSG00000283103.1	2.177843223	1.550846855	1.491186489
AC141586.1	ENSG00000215154.6	1.746385792	2.704369201	3.392300428
FAM86B3P	ENSG00000173295.7	2.682797013	3.138418563	2.311513416
C3orf62	ENSG00000188315.7	2.472951417	2.106070644	1.195619334
AL662795.2	ENSG00000280128.1	2.345251158	2.227018763	2.087896402
DNASE1	ENSG00000213918.10	1.930159537	2.807563139	3.88686808
RTP4	ENSG00000136514.2	1.017013681	2.458018352	2.382007119
RPS3AP26	ENSG00000214389.2	2.481976086	1.272046085	1.803287486
UBOX5	ENSG00000185019.16	2.014485376	2.475229123	0.965329132
AC019069.1	ENSG00000272711.1	3.319751882	4.066089619	1.121798596
PLXNC1	ENSG00000136040.8	0.951050437	4.801549379	4.996707687
INSR	ENSG00000171105.13	3.887609014	3.446265872	3.620677808
DAPK1	ENSG00000196730.12	1.283384113	5.21652	3.517421919
WASH7P	ENSG00000227232.5	1.203267328	1.771964167	2.771816103
HNRNPCP1	ENSG00000258900.1	2.084150811	1.359454984	2.553259027
DTNA	ENSG00000134769.21	1.951406519	4.409833943	1.762195106
JRK	ENSG00000234616.8	3.203595672	1.776021849	2.88102488
CAPS	ENSG00000105519.15	5.503709041	3.772560716	6.960643252

C1QTNF6	ENSG00000133466.13	1.063659169	1.500965167	2.249945437
SPRYD4	ENSG00000176422.13	2.07456893	2.76912525	1.01559189
PRR22	ENSG00000212123.3	3.327481839	1.662075192	1.79631407
ACYP2	ENSG00000170634.12	2.83119238	2.666517125	3.077466767
AL355488.2	ENSG00000273373.1	1.253717489	1.089093621	1.04701504
SLC18B1	ENSG00000146409.10	5.604142379	4.837465193	3.420441455
AC073842.2	ENSG00000242798.1	1.418415812	2.532251726	1.687559812
CYP1A1	ENSG00000140465.13	2.090685123	3.29499849	3.46558115
SNORD14A	ENSG00000272034.1	2.825062356	3.045010675	1.484856269
AL513165.1	ENSG00000234160.1	4.504576351	2.763393245	1.909639237
BCDIN3D	ENSG00000186666.5	3.177176166	2.389350176	1.167054535
SWSAP1	ENSG00000173928.2	2.675724522	1.802220289	1.593456401
NANOS1	ENSG00000188613.6	4.706370231	2.776754069	4.747525624
GALNT4	ENSG00000257594.3	2.247485758	1.921853223	2.061819599
FMO4	ENSG00000076258.9	1.085647014	2.2336445	2.986229901
AL163051.2	ENSG00000276182.1	2.265892828	1.149692215	1.054149931
MAP3K9	ENSG00000006432.15	2.877587531	2.467727242	1.431603013
ARHGAP27P1	ENSG00000215769.8	2.214875101	2.900414204	1.299510236
TCAF1P1	ENSG00000223459.5	1.705317757	2.073370215	1.5567331
KANTR	ENSG00000232593.7	3.245785091	3.494797566	2.934892338
CSF1	ENSG00000184371.13	3.162715692	4.165727981	1.169988901
AC092279.1	ENSG00000268362.5	3.732315275	3.413535687	1.157902301
AC015871.3	ENSG00000278600.1	1.476700592	2.467983681	2.787267052
C17orf97	ENSG00000187624.8	2.085978784	1.592925418	2.302601759
AC007611.1	ENSG00000260086.2	1.63421259	1.214327855	3.42636919
TFAP2A-AS1	ENSG00000229950.1	1.142192124	3.868417904	2.046063534
HYAL3	ENSG00000186792.16	2.842467247	2.008928778	0.911287225
FSD1L	ENSG00000106701.11	2.128186665	2.364712967	1.364011503
PLSCR4	ENSG00000114698.14	1.058566011	3.276008576	2.268769231
AP003068.2	ENSG00000254614.2	0.995275661	2.368241771	3.776829981
BRICD5	ENSG00000182685.7	1.464226079	1.816435222	1.549466431
NBPF19	ENSG00000271383.6	1.458166629	1.677925802	0.99113463
AL691432.2	ENSG00000272106.1	1.901515509	2.152275346	1.336188193
SOX5	ENSG00000134532.15	6.97039032	2.905742078	5.101720076
TMEM216	ENSG00000187049.9	3.982743641	3.278571143	2.835517253
AP001000.1	ENSG00000254612.2	1.315871462	1.198162919	1.386567716
LAMTOR5-AS	ENSG00000224699.8	2.172929493	2.270225887	1.628889321
LPP-AS2	ENSG00000270959.1	1.678260398	2.240749387	1.414284191
GXYLT2	ENSG00000172986.12	4.224072753	3.410483037	1.894117579
NEK8	ENSG00000160602.13	1.994955024	1.710741536	2.89885036
DNAJC27	ENSG00000115137.11	1.329023575	2.573357179	2.282873523
SPATA2L	ENSG00000158792.15	3.801882324	3.384054271	3.898962703
BTN2A3P	ENSG00000124549.14	1.158147833	1.884131557	1.607859636
HOXC13	ENSG00000123364.4	4.343451654	2.324964956	2.317124707
RALY-AS1	ENSG00000228265.5	2.050426569	2.924118425	1.238433706
SSR4P1	ENSG00000235374.2	1.108015332	1.304274941	3.857620281

SNORA33	ENSG00000200534.1	3.872434136	2.645759974	1.385104067
AC027097.1	ENSG00000267040.6	1.557988997	3.130295753	2.241985694
AL121753.2	ENSG00000279253.1	1.608944185	1.297274012	1.505551465
C8orf37	ENSG00000156172.5	2.250416575	1.990837824	1.174634042
MIEF2	ENSG00000177427.12	1.270030572	1.489534375	1.396088868
METTL25	ENSG00000127720.7	2.227896426	1.962247506	1.60173642
ZNF155	ENSG00000204920.10	2.636702695	2.252675668	2.558713105
DUSP19	ENSG00000162999.12	1.053061162	2.512567308	2.923744554
LINC01137	ENSG00000233621.1	2.240881887	1.642892479	1.273638609
AP001453.3	ENSG00000257086.1	1.835273929	1.733191629	1.695194315
IFI27L1	ENSG00000165948.10	3.25115301	3.803904496	1.129303239
ZNF70	ENSG00000187792.4	1.439430222	3.345340244	2.808096764
CBR3-AS1	ENSG00000236830.6	1.78955507	1.576033423	1.433011536
SRGAP2C	ENSG00000171943.11	2.355868657	2.302856625	0.996243254
LINC01521	ENSG00000213888.3	2.826923623	2.354784562	1.899761399
SCRN1	ENSG00000136193.16	7.556326514	5.742884396	7.086651843
SNAI2	ENSG00000019549.9	3.891186103	7.229862047	1.063086599
LRR8B	ENSG00000197147.13	2.195855906	2.60012249	3.871696757
FUOM	ENSG00000148803.11	4.292287472	4.616626679	2.827875134
LINC00327	ENSG00000232977.6	2.33429464	1.258566824	2.780792624
ZNF629	ENSG00000102870.5	3.664272836	3.372311171	3.804577896
TCP11L2	ENSG00000166046.10	3.254006488	2.868356405	2.347359475
ZNF506	ENSG00000081665.13	3.567272387	2.897089987	2.920579422
ELOA-AS1	ENSG00000236810.5	2.70268982	3.143076771	1.857180256
ZNF140	ENSG00000196387.9	2.934039396	3.03260584	1.47954143
VPS37D	ENSG00000176428.5	1.264886624	2.631767162	2.26538303
RWDD2A	ENSG00000013392.7	1.475449395	2.098479325	2.102673197
ZC3HAV1L	ENSG00000146858.7	1.161169712	1.181662712	3.375209214
PEG10	ENSG00000242265.5	1.268373102	4.175798643	2.279756657
LIPT1	ENSG00000144182.16	2.255407854	2.478169957	3.085845714
RPS6KA5	ENSG00000100784.10	2.350296919	2.134678854	2.17956635
RPS6KA2	ENSG00000071242.11	3.521192028	5.429825644	6.479253483
AL031775.1	ENSG00000272345.1	1.34355662	0.924527244	1.830363582
RFX2	ENSG00000087903.12	3.021150993	1.543062203	1.895794269
SNORD63B	ENSG00000222937.1	2.394360949	3.063574265	3.747715228
MEIS1	ENSG00000143995.19	2.544895917	2.349931162	0.879968013
ZNF141	ENSG00000131127.13	3.630004523	2.809491971	3.353685471
Z68871.1	ENSG00000239407.5	1.845251719	2.293802193	2.054707335
ZFP28	ENSG00000196867.7	1.88850393	2.206375741	2.548149029
DISP1	ENSG00000154309.8	2.561869532	1.291402999	1.882896128
AC004893.2	ENSG00000242687.2	1.658307935	0.938198504	1.18190299
DUSP18	ENSG00000167065.13	2.309489319	2.53461472	3.542391315
IRF1	ENSG00000125347.13	3.06322146	0.968874377	2.885104003
FGGY	ENSG00000172456.17	1.331872282	1.736571048	3.018412343
AC073621.1	ENSG00000215030.5	2.858649449	1.83227452	2.236546637
CD9	ENSG00000010278.12	7.517302448	7.994059546	7.87004046

RPL21P28	ENSG00000220749.4	2.847950598	2.057476861	1.163040067
EXD3	ENSG00000187609.15	2.598100354	2.890196163	2.863317312
RHOJ	ENSG00000126785.12	1.93199431	2.89266863	3.174127936
AC073111.5	ENSG00000284691.1	1.817315422	1.8622724	3.590017903
N4BP2	ENSG00000078177.13	3.308128147	0.82192714	3.383587997
GBP1	ENSG00000117228.9	3.671340873	1.426598082	1.015389197
ZNF503-AS2	ENSG00000237149.5	1.985284068	2.800588584	2.956102976
C19orf68	ENSG00000185453.12	2.79484751	3.668467803	2.223154373
GPR75	ENSG00000119737.5	1.951717103	1.366384711	0.957649042
LURAP1L	ENSG00000153714.5	1.716040871	2.561972871	2.1958107
RNF207	ENSG00000158286.12	2.87110569	2.476034143	1.656512048
MAFG-AS1	ENSG00000265688.1	3.734294721	2.142836056	2.106212861
SORBS2	ENSG00000154556.17	4.57331012	5.267092887	1.051947668
ARVCF	ENSG00000099889.13	0.971756214	2.872275818	3.709633794
ZNF48	ENSG00000180035.12	2.908022693	1.719106397	2.494698072
AP002990.1	ENSG00000255508.7	3.225392097	5.965106392	2.914673346
STON1	ENSG00000243244.5	2.016284417	1.948696203	0.947639294
CAPG	ENSG00000042493.15	6.630621195	8.126791105	7.683999035
AC068888.1	ENSG00000257337.6	2.532835922	2.92236529	1.080240989
AC083843.2	ENSG00000259820.1	2.226390404	2.776457997	1.530101691
AC067838.1	ENSG00000272338.2	1.672044635	1.818742161	0.898691568
RPL23AP7	ENSG00000240356.6	1.083881675	3.359653546	3.180926341
AC106791.1	ENSG00000250159.6	2.839295817	1.753094432	3.681957052
CTBP1-AS2	ENSG00000196810.4	3.209902118	1.519468047	2.848115745
NPPA-AS1_2	ENSG00000278852.1	1.333674826	2.285967767	2.308857817
RPL10P16	ENSG00000178464.6	3.718088879	2.773738563	2.459969967
MLYCD	ENSG00000103150.5	1.529686589	1.782413446	1.997857523
AC000123.2	ENSG00000279265.1	2.798725344	2.182127561	2.539409818
ZNF354C	ENSG00000177932.6	2.391866893	2.646764747	2.537799358
MIR3648-2	ENSG00000264462.1	4.211474617	4.898559717	3.523549114
AC073046.1	ENSG00000235499.1	3.302610825	1.898624648	1.937358612
AC090114.3	ENSG00000280828.1	1.485250246	2.035489752	2.5849191
FAM229B	ENSG00000203778.7	0.931403609	2.610376395	2.944241557
SNORA11F	ENSG00000221164.1	3.576566161	1.697359669	2.106770966
ZIK1	ENSG00000171649.11	3.135527558	0.902180244	2.844457304
LTBP1	ENSG00000049323.15	1.550432508	4.146604446	1.018006003
MFAP3L	ENSG00000198948.11	1.357920514	4.005993291	4.074968987
RNFT2	ENSG00000135119.14	2.926535012	2.616808798	2.115052798
SNORA25	ENSG00000207112.1	3.158946282	1.729034833	4.507279602
ZNF383	ENSG00000188283.11	2.215256751	2.235632333	1.614198497
ZNF433	ENSG00000197647.11	2.082903757	1.759647499	2.730483765
MSRB3	ENSG00000174099.10	3.735355206	3.665825463	3.821588111
TRAF3IP2-AS1	ENSG00000231889.7	1.963892367	2.95193364	2.841702388
EEF1AKMT1	ENSG00000150456.10	3.095315695	1.032306776	3.236625142
HEBP2	ENSG00000051620.10	2.178739356	3.004689134	3.470614858
PPP1R3F	ENSG00000049769.12	0.861763449	3.54704836	2.15157447

RPS7P1	ENSG00000263266.2	2.844600768	2.453674286	1.411349392
SCAND2P	ENSG00000176700.19	2.230281784	2.736889995	1.886454796
C21orf58	ENSG00000160298.17	3.819985443	2.934045412	1.339047514
FTH1P8	ENSG00000219507.4	1.587772902	1.667097621	1.51457101
FOXD2-AS1	ENSG00000237424.1	2.666925811	2.170027994	1.253682279
AC004448.1	ENSG00000189343.7	2.750156709	1.364443914	0.930750312
REL	ENSG00000162924.13	2.002966783	3.01297622	1.476046773
DNMT3B	ENSG00000088305.18	2.386539094	1.035336274	1.533163382
SYTL4	ENSG00000102362.15	2.554193484	3.677920526	3.505004834
KCNIP3	ENSG00000115041.12	2.538094002	3.59000653	3.333994895
NPIPBA	ENSG00000185864.16	2.17117931	3.208763333	3.438125414
SPRY4-IT1	ENSG00000281881.1	2.874618931	1.747084826	4.895352826
HNRNPH2	ENSG00000126945.8	6.89471904	5.120318863	5.217831123
LINC00473	ENSG00000223414.2	5.997616024	6.378730855	0.850174323
AC104581.1	ENSG00000179859.9	2.177817296	0.987399721	1.249252409
GEMIN8P4	ENSG00000228175.3	2.65499161	1.39097229	1.382224292
PGBD4	ENSG00000182405.5	2.423551545	2.183604179	1.693454854
PI4KAP2	ENSG00000183506.17	1.16306417	2.025947287	2.790484058
CMPK2	ENSG00000134326.11	2.351519797	2.171755298	2.463931476
RPL7P9	ENSG00000137970.7	2.48273104	1.632821239	1.154612741
DYRK1B	ENSG00000105204.13	4.235602451	4.103706925	2.954222401
OPN3	ENSG00000054277.13	2.075549645	2.694923306	2.657236926
ZNF517	ENSG00000197363.9	1.469009056	1.480411964	1.605806095
ZNF774	ENSG00000196391.10	1.488224925	1.200569128	1.033744167
MAGEE1	ENSG00000198934.4	0.973687533	2.226974481	1.67312515
SNORD99	ENSG00000221539.1	4.477395399	1.269694953	2.382163419
LLGL2	ENSG00000073350.13	2.16643729	2.711131868	3.981215445
KIAA1211	ENSG00000109265.13	3.71044264	4.392527777	4.710430836
THAP2	ENSG00000173451.6	2.064560294	1.047390905	1.90339814
KCNAB2	ENSG00000069424.14	3.36242681	6.314930289	5.84748024
AP001157.1	ENSG00000258297.1	1.957402372	1.422119623	2.244995894
RHOQP1	ENSG00000258568.1	1.367358217	1.211942646	1.365947735
FCF1P2	ENSG00000228638.1	2.650463736	1.762170917	2.778892796
HM13-IT1	ENSG00000235313.1	1.605887991	1.604977253	1.081947803
ZNF846	ENSG00000196605.7	0.832622227	2.978814155	2.036205201
PIH1D2	ENSG00000150773.10	1.933424716	0.929597481	1.796601083
ZNF624	ENSG00000197566.9	1.670496713	0.881198637	2.250242631
JPH1	ENSG00000104369.4	3.926468426	2.93929058	2.497524809
WVOX	ENSG00000186153.16	3.764134417	2.739963775	1.806264192
C15orf61	ENSG00000189227.5	2.561161562	1.403322524	2.335702697
AC131009.3	ENSG00000273568.1	2.555816553	2.525725136	3.908759311
ZNF225	ENSG00000256294.7	2.838089755	1.335853706	2.588152305
STAMBPL1	ENSG00000138134.11	4.825933217	0.839944872	4.829242015
TSPAN5	ENSG00000168785.7	3.140897613	0.916688186	6.195094521
CDC42EP2	ENSG00000149798.4	4.413628301	2.563478134	0.910766336
CPEB1	ENSG00000214575.9	1.974903431	5.564428533	4.926251228

ZFP14	ENSG00000142065.13	1.857935722	1.059902057	2.287003532
EEF1A1P6	ENSG00000233476.3	2.264978978	1.161278848	1.461171871
VMAC	ENSG00000187650.3	2.90836036	3.181321887	3.425027122
SOBP	ENSG00000112320.11	3.503293689	2.099719345	1.214092822
AL137058.2	ENSG00000273784.4	2.458105761	1.135627141	1.840721329
MCTS2P	ENSG00000101898.5	3.965001861	2.505578609	3.74390639
CCDC106	ENSG00000173581.7	5.255211152	3.996662078	4.435726181
TVP23C	ENSG00000175106.16	2.861763866	2.165654291	1.03829528
ENPP1	ENSG00000197594.11	2.063574848	3.513358986	1.074731928
LINC02381	ENSG00000250742.2	4.099623939	2.596055365	0.877266102
HNRNPA3P6	ENSG00000213300.5	1.267912158	1.385030606	1.469391924
C9orf72	ENSG00000147894.14	3.869658392	2.462192764	2.779696649
ZBTB3	ENSG00000185670.7	2.375905349	2.083549905	1.979268103
B9D2	ENSG00000123810.7	3.289341148	0.778019401	2.013013003
ARHGEF39	ENSG00000137135.17	3.700091738	2.888775239	0.958737516
CENPP	ENSG00000188312.13	2.212794092	1.566166429	0.868443821
AC138356.2	ENSG00000233170.4	1.14461663	1.073189999	1.429500318
UFSP1	ENSG00000176125.4	2.535100675	2.644790923	0.821988656
SH3BGR	ENSG00000185437.13	1.008767763	2.275181173	3.807446605
RAP1GAP	ENSG00000076864.19	1.986727492	4.950969015	3.358017927
FLVCR2	ENSG00000119686.9	0.814617343	1.570478364	1.804598149
FAM228B	ENSG00000219626.8	0.975633016	1.874867381	3.533974334
MPP2	ENSG00000108852.14	3.287876469	2.908445974	0.912890832
AGAP4	ENSG00000188234.13	2.429220826	1.847107463	1.950882912
EFNA5	ENSG00000184349.12	3.386585263	0.990691546	4.134843152
GLUD1P3	ENSG00000250959.2	1.792140373	1.359450869	2.228884517
MCOLN3	ENSG00000055732.12	3.012101579	4.645637858	7.400638492
AK4	ENSG00000162433.14	4.883501478	3.843217664	1.850089679
AC239868.4	ENSG00000272993.1	1.613959261	1.650129272	0.991582686
IKZF4	ENSG00000123411.14	2.125114871	1.717877583	1.0127785
ZNF653	ENSG00000161914.9	3.122505754	1.547258868	2.024091312
LAT	ENSG00000213658.11	0.843850535	2.868133356	0.803706373
Z98884.2	ENSG00000269925.1	1.438731115	1.841718501	1.838794514
WDR31	ENSG00000148225.15	1.001160708	2.342144483	0.757707148
LINC02035	ENSG00000273033.2	0.985339722	2.789743064	1.056526928
AC008982.2	ENSG00000269688.1	1.431122282	2.029624637	1.531861308
AC073861.1	ENSG00000242299.1	1.952776951	1.612961657	1.294241666
ZNF93	ENSG00000184635.15	3.655918176	3.105125844	1.85721653
AC105052.2	ENSG00000213385.3	2.00448569	1.151824492	2.23258856
SMG1P7	ENSG00000261556.9	2.794771547	1.400881609	1.432734137
MPP3	ENSG00000161647.18	2.408539612	3.311152638	0.762423495
HIST1H2BD	ENSG00000158373.8	2.130657244	4.807634027	1.041329318
SUGCT	ENSG00000175600.15	1.181846509	2.550331294	2.621048942
ZNF821	ENSG00000102984.14	2.702627394	2.557471832	2.753403746
MIR7161	ENSG00000278571.1	2.11794951	1.453923105	3.152841433
CADPS2	ENSG00000081803.15	1.915248968	3.506386905	4.243455454

AC026412.1	ENSG00000188002.10	3.275657767	3.299541224	2.112705458
AC005261.4	ENSG00000268713.1	1.716406509	1.769642144	2.547649686
TNFAIP3	ENSG00000118503.14	3.010473489	6.426306968	4.332878666
AL161421.1	ENSG00000275202.1	1.688411367	2.038196952	1.653847245
RRN3P1	ENSG00000248124.7	1.127924904	1.152061546	4.104176976
KCTD12	ENSG00000178695.5	1.799156105	2.92880746	4.335333645
AC132192.2	ENSG00000268403.2	1.579447761	1.638945098	1.551919782
PLEKHH2	ENSG00000152527.13	2.041021273	4.297990673	3.95687746
AMER1	ENSG00000184675.9	2.665235885	1.699230696	0.714129623
AP000873.2	ENSG00000247137.8	3.819659304	2.468105077	2.340161613
AC026271.1	ENSG00000174977.8	1.923328234	2.014082184	1.417417336
C8orf88	ENSG00000253250.2	4.684007121	3.947690979	4.445200885
FAM227B	ENSG00000166262.15	0.7653244	2.068987221	2.987774062
DEPDC4	ENSG00000166153.16	1.362625354	1.556914852	1.013956061
AC007382.1	ENSG00000279519.1	2.120551026	0.743436487	1.542636124
FLJ20021	ENSG00000254531.1	1.430684993	1.749422711	3.599091357
ZHX1-C8orf76	ENSG00000259305.6	1.914778849	1.220110015	1.463820072
MIR6821	ENSG00000276753.1	1.998490914	2.74098991	2.380690266
DUXAP9	ENSG00000225210.9	2.703705064	0.750538643	2.509351824
PATJ	ENSG00000132849.19	1.846873096	2.882942658	3.595845235
LINC01534	ENSG00000225975.6	0.899536025	1.12446742	2.175373765
CR381653.1	ENSG00000278932.3	3.332432039	3.186939379	2.108854246
ZNF438	ENSG00000183621.15	1.735394739	0.690820526	2.964827482
FAM120C	ENSG00000184083.11	4.49468568	3.201510854	1.746836207
FGD4	ENSG00000139132.14	4.30674772	4.380553869	3.759528371
STARD9	ENSG00000159433.11	1.255150786	2.315591019	2.023727361
CCNT2-AS1	ENSG00000224043.7	1.320907011	1.030257875	0.808081958
ZNF529-AS1	ENSG00000233527.8	1.96010713	2.189190469	2.200015983
SYP	ENSG00000102003.10	1.235374794	3.248369825	1.163565175
LINC00869	ENSG00000277147.4	3.195602211	3.22722912	1.10506688
LUM	ENSG00000139329.4	0.865704851	6.020368576	2.995612933
AL096870.2	ENSG00000260669.2	3.09010068	1.695468025	1.93155527
AC004918.3	ENSG00000270157.1	1.68958365	2.473436968	2.768285005
GLDC	ENSG00000178445.9	4.826240064	3.030545021	2.784755562
AC009053.1	ENSG00000214331.8	3.45090542	2.079046316	3.106325943
FTCDNL1	ENSG00000226124.6	1.864874133	3.066260073	2.952170967
AMIGO1	ENSG00000181754.6	2.738066429	1.285056576	1.734785649
AGER	ENSG00000204305.13	2.08842992	2.698326503	1.811301536
LINC00106	ENSG00000236871.7	1.635241951	2.216864238	1.053043667
AC025171.1	ENSG00000177738.3	2.600402909	2.339493399	0.806855501
LIPT2	ENSG00000175536.6	1.931701624	1.074890214	1.503668102
FAM174B	ENSG00000185442.12	2.07084556	5.080267893	5.691367759
ZBTB8A	ENSG00000160062.14	1.911473785	2.115470264	0.629666986
TPBG	ENSG00000146242.8	4.186605215	3.022896517	1.10447329
PER2	ENSG00000132326.11	0.97218507	0.763645118	1.758472132
CRIP2	ENSG00000182809.10	5.994621164	1.743426916	3.492396502

DNAJC9-AS1	ENSG00000227540.1	1.994894412	1.176574184	2.048281889
JMJD7	ENSG00000243789.10	1.703336473	1.344330662	1.467233033
ZNF324B	ENSG00000249471.7	3.110605402	1.963098944	1.284564765
AC005229.4	ENSG00000273314.1	2.274171925	2.064807489	0.874385843
HSD11B1L	ENSG00000167733.13	4.4524987	3.118476655	3.330298017
FBXO34	ENSG00000178974.9	4.050282147	3.867935045	3.076826278
PLCG2	ENSG00000197943.9	1.361377561	2.950805737	2.262361107
SLC2A13	ENSG00000151229.12	4.027186009	3.931774809	0.594586962
MTURN	ENSG00000180354.15	1.494579289	4.073956678	2.240375801
RPSAP58	ENSG00000225178.5	2.807279484	1.275139135	0.851217362
ZKSCAN3	ENSG00000189298.13	0.816417232	2.127173297	2.842829691
AC010969.2	ENSG00000269973.1	2.083540442	0.874032858	0.647706595
SFXN2	ENSG00000156398.12	3.691232915	2.060671812	1.892217294
ZNF618	ENSG00000157657.14	3.580798866	3.783940028	1.221799419
AC120114.2	ENSG00000260114.2	1.763392719	1.801439121	2.115370936
LINC00920	ENSG00000246898.1	0.935050961	2.846767705	4.95930319
AL450326.1	ENSG00000230555.2	1.745023059	0.877466555	1.806439537
MIRLET7BHG	ENSG00000197182.14	2.766049421	2.718750733	5.421447819
PRELID2	ENSG00000186314.11	0.787572846	3.0051288	5.266921628
AC005034.5	ENSG00000271452.1	2.96600157	2.83294241	1.610874755
TTLL11	ENSG00000175764.14	2.418382362	2.370469137	1.637950455
ZNF514	ENSG00000144026.11	2.816559186	4.058803769	3.384024474
AC015982.1	ENSG00000272606.1	2.448928459	2.483402454	0.668024644
C14orf79	ENSG00000140104.13	3.324079319	3.583673386	0.803956216
POU6F1	ENSG00000184271.16	1.268935692	2.105188464	2.188373979
MX1	ENSG00000157601.13	2.792599762	1.980724329	3.62511943
NPIPP1	ENSG00000188599.17	4.172671379	2.215125561	1.829321345
AC006504.8	ENSG00000281468.1	0.964681903	2.441799087	2.914563257
ASH1L-AS1	ENSG00000235919.4	2.353890782	2.039238849	0.7484807
ZC3H12A	ENSG00000163874.10	2.208027682	2.024890798	0.925095308
HAS2	ENSG00000170961.6	1.173188435	3.428861613	2.702349465
TMEM173	ENSG00000184584.12	4.990025639	0.7635926	3.950519227
PSPN	ENSG00000125650.4	1.781946945	0.649728444	0.724289261
TMEM170B	ENSG00000205269.5	1.537575133	2.145641017	3.729454333
RPPH1	ENSG00000277209.1	1.087593969	2.465968283	1.653961695
AC006978.1	ENSG00000235859.5	0.640629531	2.538106305	2.719506256
GPX8	ENSG00000164294.13	4.707914474	5.370358651	0.892271987
AC069499.1	ENSG00000241634.1	1.174580799	1.277419465	1.730797194
ITGA5	ENSG00000161638.10	7.287744416	5.334573518	0.709916546
GAN	ENSG00000261609.5	2.011937324	2.271728631	2.288358664
DNAJC28	ENSG00000177692.11	0.880166273	1.738757021	2.320215282
REEP2	ENSG00000132563.15	4.027271182	2.557299834	3.530726487
ZNF169	ENSG00000175787.16	2.060557186	2.563332201	0.74043063
CIB2	ENSG00000136425.12	1.16996481	4.158369371	4.132769841
AL135999.1	ENSG00000258727.1	2.254191597	3.554470423	1.070094748
AC022413.1	ENSG00000280161.1	1.831637015	0.794683214	1.513113232

ZNF778	ENSG00000170100.13	3.593941518	2.728647491	2.903925213
TRDMT1	ENSG00000107614.21	2.678208315	2.101867348	2.797939805
AC120053.1	ENSG00000271971.1	1.180281278	0.823859115	1.649056031
EFCAB11	ENSG00000140025.15	2.965274223	1.98586987	0.948060809
AC004803.1	ENSG00000250132.6	1.956180296	1.608234722	2.707595515
AC068134.3	ENSG00000251485.1	1.367154222	1.012004549	2.384230945
AC090181.2	ENSG00000269951.1	1.88426414	2.363184899	2.472479783
SNORD3B-2	ENSG00000262074.6	2.831796618	2.128958858	1.26123819
GBAP1	ENSG00000160766.14	1.763825346	2.365552918	0.858063967
CCDC18	ENSG00000122483.17	3.053189261	3.258338319	1.325755948
AC008124.1	ENSG00000273015.2	1.86797578	1.449419761	2.185016375
ZFPM2-AS1	ENSG00000251003.7	5.427800077	5.081044894	3.231096973
HLX	ENSG00000136630.12	2.066362956	0.704655312	2.428767824
ZNF493	ENSG00000196268.11	3.2201972	2.807795886	1.983764668
ZNF887P	ENSG00000267500.1	2.215037927	0.787832644	1.308834221
AP001160.3	ENSG00000269176.2	2.406273099	1.628174741	1.056457812
AL353194.1	ENSG00000229539.1	3.435901867	1.71388503	1.00900843
RPL9P9	ENSG00000237550.5	3.857105407	1.501668456	4.181867125
AC115837.1	ENSG00000253341.1	2.116070755	0.798078106	0.750140351
TGFB3	ENSG00000119699.7	2.826312769	2.035344442	1.121651496
AL513314.2	ENSG00000276997.4	1.514131422	1.552501913	2.015214466
RGS2	ENSG00000116741.7	4.517447019	2.598735668	0.692324865
AC005726.2	ENSG00000258472.8	2.042420837	3.038179611	1.043569025
IBA57	ENSG00000181873.12	2.795129046	0.619439037	1.564614424
CD200	ENSG00000091972.18	0.779707208	4.014583338	4.325339536
AC006058.1	ENSG00000261786.1	1.98496408	2.280507872	2.47085691
ZNF684	ENSG00000117010.15	2.451681089	1.933115605	1.122784499
SYS1-DBNDD	ENSG00000254806.5	2.457096139	1.821548865	2.080014509
PPM1L	ENSG00000163590.13	1.521513348	2.722485335	2.205476331
HELB	ENSG00000127311.9	2.54739356	1.932379375	0.858132497
AL136295.5	ENSG00000259529.1	1.329764205	1.291842154	2.775836017
PHOSPHO2	ENSG00000144362.11	0.937955998	2.902656885	2.833130386
GPR155	ENSG00000163328.13	0.838028085	2.660196524	2.833847959
AC068338.2	ENSG00000260274.1	2.396713674	1.536006708	1.20686473
ZNF658	ENSG00000274349.4	1.842694252	1.970657031	1.374394084
NBEA	ENSG00000172915.18	2.463044656	3.292505331	3.278455116
CRIM1	ENSG00000150938.9	5.420422943	3.519918099	0.655987954
ANKAR	ENSG00000151687.14	1.086587789	0.799000549	2.356992926
AC138035.1	ENSG00000238035.8	1.653979338	2.252259932	1.751025987
KIF6	ENSG00000164627.17	1.612562817	1.539212269	2.570661526
MST1	ENSG00000173531.15	1.463478373	2.684495183	2.49995087
HNRNPA1P1	ENSG00000262333.1	2.380316873	0.984428748	2.213464288
AL118558.3	ENSG00000271780.1	2.094485992	2.220732446	0.704402536
CCDC85C	ENSG00000205476.8	2.006140377	1.737709474	1.15285479
HSPE1-MOB4	ENSG00000270757.1	0.894932748	2.048388594	1.516585689
PRR16	ENSG00000184838.14	0.96136738	0.90813475	0.994185714

AC020915.4	ENSG00000268516.2	0.864201625	1.430999203	0.519851092
RAPGEFL1	ENSG00000108352.11	3.063881893	3.625555034	2.153920117
AC068473.5	ENSG00000274828.1	1.74598552	2.632479316	1.878759222
AC022211.2	ENSG00000263843.1	1.504481401	1.391983781	0.981173095
YBX1P10	ENSG00000213866.3	1.670907117	0.926266367	0.950589322
ASB2	ENSG00000100628.11	1.926378086	1.360929539	4.13377551
TAF1A-AS1	ENSG00000225265.1	0.795056732	1.004155247	1.52455251
FAM72A	ENSG00000196550.10	3.71733387	0.973145576	0.49742875
TPK1	ENSG00000196511.14	2.156562763	2.517036903	2.11334188
KLHL26	ENSG00000167487.11	3.454643833	3.062032619	1.7276632
AL121845.3	ENSG00000273154.3	1.13386207	2.518398119	2.445616755
SRR	ENSG00000167720.12	2.388849439	0.956733228	2.19909991
AP000924.1	ENSG00000254416.5	1.366384843	3.996578085	1.469251296
AL133243.2	ENSG00000276334.1	1.936758095	2.168622727	1.193660434
RPL18AP3	ENSG00000213442.5	3.185472467	2.508516366	0.956799548
SERPINI1	ENSG00000163536.12	0.841117148	3.271694604	4.366750153
ST20-AS1	ENSG00000259642.2	1.199635046	2.39505536	2.043387337
NUDT11	ENSG00000196368.4	2.232901974	3.231684253	0.70950878
IL7	ENSG00000104432.13	2.070779182	1.703522645	0.641690171
ARSE	ENSG00000157399.14	3.219503497	0.781699968	2.438099214
ELOVL2	ENSG00000197977.3	1.855933062	4.39547829	2.760414096
FBXO48	ENSG00000204923.3	0.581793682	0.605085294	1.654392653
SMURF2P1	ENSG00000248121.8	1.231242268	1.313779693	2.126803719
NKRF	ENSG00000186416.13	3.159024482	2.364409488	3.833982167
TLE6	ENSG00000104953.19	2.112247519	3.155936955	3.112599363
ZNF30	ENSG00000168661.14	1.941489597	1.558564462	1.343202629
AL606834.2	ENSG00000269906.1	1.569095831	2.745409963	2.736741148
TCF7L1	ENSG00000152284.4	2.11271479	3.412412727	1.856620554
DACT1	ENSG00000165617.14	0.51557288	2.016877047	1.903678215
AP002360.1	ENSG00000179240.9	2.012996462	1.48438101	1.642863556
CAPN3	ENSG00000092529.23	0.785089528	6.769800304	8.315541657
TMEM86B	ENSG00000180089.5	1.799033538	1.838423447	1.060368186
ZNF542P	ENSG00000240225.10	2.569394754	2.886380714	3.45374251
SIRT4	ENSG00000089163.4	1.285134594	0.888427083	1.069203622
CYB561D1	ENSG00000174151.14	2.020105363	1.505230091	2.582987415
AC106886.5	ENSG00000282034.1	3.463197349	1.879687211	0.93398938
AC127496.7	ENSG00000280351.2	1.65501807	0.621914414	2.239923714
CEMIP	ENSG00000103888.16	6.799832322	6.028596811	0.765079219
LRIG1	ENSG00000144749.13	2.294117186	3.596123414	0.544833619
ZNF34	ENSG00000196378.11	2.146615919	1.502534189	1.288023639
INE1	ENSG00000224975.1	0.922177971	1.951872011	0.833273105
CBWD3	ENSG00000196873.15	0.722644198	2.737587289	0.723328888
AL139260.1	ENSG00000228436.2	0.600724399	1.377240345	1.25624552
HTR7P1	ENSG00000183935.5	1.349220198	1.139250948	1.590940567
CA5B	ENSG00000169239.12	4.489362744	1.61321271	2.147907223
RPS23P8	ENSG00000230629.2	2.654988251	1.678134267	1.853020102

ZNF35	ENSG00000169981.10	2.715805715	2.296141556	2.95331979
TSSK6	ENSG00000178093.13	2.113459853	1.747917716	1.39506138
LRRC27	ENSG00000148814.17	2.66187865	2.428586516	1.789805889
AC096887.2	ENSG00000280417.1	1.122569923	1.857927837	0.536960517
GAPDHP62	ENSG00000251013.1	1.069705258	1.529061954	0.80397183
MEX3B	ENSG00000183496.5	1.928359964	0.585399438	1.042081404
AC102953.2	ENSG00000273230.1	3.033568068	4.180636375	0.849139065
GLIPR2	ENSG00000122694.15	0.547365924	1.83504935	3.368255434
UBE3D	ENSG00000118420.16	1.617198944	1.656377648	1.182649054
MBLAC1	ENSG00000214309.4	1.722207676	3.051449966	0.937974335
DHRS4L2	ENSG00000187630.15	3.437441851	1.884524519	1.193454634
MACROD1	ENSG00000133315.10	5.076424779	4.044156816	4.691807689
SCAI	ENSG00000173611.17	1.814895235	2.693872526	1.627513476
HOXA13	ENSG00000106031.7	0.93311341	2.071689101	0.719198848
AC090607.2	ENSG00000259562.2	0.935926895	2.338222952	2.095896591
PKNOX2	ENSG00000165495.15	3.440405272	2.901281184	1.113988451
ASIC1	ENSG00000110881.11	3.330743604	3.514674053	0.808301077
AC009902.2	ENSG00000254027.1	2.002483202	3.007804807	1.508636024
TMEM187	ENSG00000177854.7	0.95161468	2.010666324	0.655961166
AC093726.1	ENSG00000272760.1	1.283217978	0.875735267	2.270872735
TMSB15A	ENSG00000158164.6	0.8267014	1.599431512	3.005683934
AC008608.2	ENSG00000271737.1	1.37726533	1.142592666	0.99656763
AP4S1	ENSG00000100478.14	2.427187197	0.95626403	0.55742782
TET1	ENSG00000138336.8	1.803477783	0.925617854	0.677732488
C3AR1	ENSG00000171860.4	1.731477145	2.016025939	2.944899521
ZNRD1ASP	ENSG00000204623.9	0.710547809	1.685358124	2.726936967
BOLA1	ENSG00000178096.8	1.474657859	3.772592818	3.050097253
SNORD63	ENSG00000206989.1	1.23437111	1.441519736	3.173517078
AC012146.1	ENSG00000234327.7	5.648694244	0.71265984	3.282704395
PTPRH	ENSG00000080031.9	3.493575345	0.653743616	4.173088284
GNAZ	ENSG00000128266.8	1.471441495	1.787879498	0.51670518
ADM5	ENSG00000224420.3	3.266205231	2.434474094	1.852054286
ZNF790	ENSG00000197863.8	1.721887698	1.789969794	0.439098976
NLGN1	ENSG00000169760.17	3.38272064	3.405776718	2.163547251
PALM2-AKAP	ENSG00000157654.17	2.988876986	4.458133763	0.809317603
ZNF268	ENSG00000090612.20	2.36020947	1.806879922	1.170412751
GPSM3	ENSG00000213654.9	2.353048056	0.562954857	1.221663942
FAM110A	ENSG00000125898.12	2.220426292	1.632836985	0.856464713
PPFIA4	ENSG00000143847.15	2.479798211	1.335081123	0.943256126
USP2	ENSG00000036672.15	0.672122014	1.322685892	1.673893169
AC004943.2	ENSG00000259768.5	0.841511289	1.705030605	1.934173858
AC004890.2	ENSG00000244560.6	2.308652526	3.085504708	2.184178449
AC091057.3	ENSG00000269974.1	1.039954104	0.804436164	0.829081902
RNF144A-AS1	ENSG00000228203.6	3.406907289	4.566537921	0.674523825
SEMA7A	ENSG00000138623.9	4.473469507	3.310656867	0.561105782
RPS28P7	ENSG00000227097.5	1.987730472	1.576909066	1.071553363

BX679664.3	ENSG00000244716.3	1.990358418	2.364298417	1.188860566
CDK3	ENSG00000250506.7	1.461922004	1.47830293	2.200918509
AL121603.2	ENSG00000258738.1	1.539628352	0.727795151	2.095455632
AC083798.2	ENSG00000272758.5	2.280782516	1.770295156	2.000886981
ALG14	ENSG00000172339.9	1.393938575	2.377125069	0.711798028
AC040162.1	ENSG00000261884.2	1.344590267	1.124956753	2.501652935
TTYH2	ENSG00000141540.10	2.069342218	7.110911431	6.546347381
AL441992.1	ENSG00000223478.1	3.395377885	4.249652255	0.675044901
AC007191.1	ENSG00000279407.1	2.040026281	0.538250559	2.10320449
ANKRD34A	ENSG00000272031.2	3.674411877	3.472664446	0.763753299
USP49	ENSG00000164663.14	0.742811282	0.750267443	1.514892094
AFG1L	ENSG00000135537.16	1.440436643	1.26277848	2.209859741
ZNF747	ENSG00000169955.7	0.408412532	1.396799522	3.21606016
TSGA10	ENSG00000135951.14	0.885426436	2.896213058	2.88726182
SOS1-IT1	ENSG00000229692.3	1.547728617	0.830447443	1.353918854
TBC1D8B	ENSG00000133138.19	0.984784632	4.471518632	2.822386262
MMP16	ENSG00000156103.15	6.275385828	1.540277202	2.94899376
MIPEPP3	ENSG00000233325.3	2.383808607	0.988314655	1.853981732
FLT3LG	ENSG00000090554.12	3.122721286	2.694940517	0.905126524
MSH5-SAPCD	ENSG00000255152.8	1.670194439	2.929032689	1.222164342
ZNF613	ENSG00000176024.17	1.299018921	1.789294774	1.683819603
TSPAN10	ENSG00000182612.10	0.703535188	5.515770949	2.662044776
ZNF547	ENSG00000152433.14	1.714307619	1.013713737	2.38871624
SH3BP5-AS1	ENSG00000224660.1	1.401272987	1.719664538	1.604346427
AC092123.2	ENSG00000274627.1	1.486380502	1.418990663	2.427177033
BBS12	ENSG00000181004.9	2.366512296	2.120980443	1.90706942
RNF208	ENSG00000212864.3	2.378081474	2.453717503	3.096724759
ISG20	ENSG00000172183.14	5.540763499	4.244466728	2.072519559
Z83843.1	ENSG00000271533.1	1.240201071	2.247415103	1.241673966
ZNF532	ENSG00000074657.13	5.650591735	4.500317929	5.731012011
AL135925.1	ENSG00000272447.1	2.361244728	0.499871161	2.122432731
EMB	ENSG00000170571.11	4.928672212	3.65278335	1.703022485
ZNF425	ENSG00000204947.8	0.913804114	0.975261308	2.333139213
CCDC171	ENSG00000164989.16	2.06520138	0.993889268	0.821096876
AC126755.1	ENSG00000205746.9	0.629743975	1.105579883	1.310419337
EGFL8	ENSG00000241404.6	1.390726778	3.22047476	1.786734714
SYNE3	ENSG00000176438.12	3.281382678	1.145156577	1.705808947
HR	ENSG00000168453.14	6.656786752	6.657296784	2.989149659
TP1P2	ENSG00000230359.5	2.1168836	2.766276297	1.200202202
SNORD59A	ENSG00000207031.1	2.086897057	1.372271255	1.954560381
GFPT2	ENSG00000131459.12	5.458181158	0.529741318	4.136008853
AC105285.1	ENSG00000245213.6	0.907116188	1.026757414	1.401510407
SNHG20	ENSG00000234912.11	2.135681385	1.981778309	3.423181113
DHRS12	ENSG00000102796.10	1.837559393	3.146537585	3.945539955
AC091271.1	ENSG00000273702.1	1.705712137	1.363516127	1.125525516
ZNF555	ENSG00000186300.11	1.014083232	1.561549701	2.181630584

HNRNPCP2	ENSG00000204253.4	2.266821747	1.04626019	0.681701289
AC092821.3	ENSG00000284634.1	3.433238523	3.1575939	3.488408457
DNAJC6	ENSG00000116675.15	4.596450609	2.404622766	1.311037207
TMEM231	ENSG00000205084.10	2.735395945	1.969611721	1.992200259
DENND1B	ENSG00000213047.12	2.628427571	1.673209757	2.86375263
ROM1	ENSG00000149489.8	3.663796273	0.823438034	1.913768963
DZANK1	ENSG00000089091.16	2.025915095	2.279130866	0.495905509
VSIG10L	ENSG00000186806.5	2.609104825	2.169167648	0.881952354
TEC	ENSG00000135605.12	0.711327162	1.818577515	3.219592731
P2RX7	ENSG00000089041.16	0.544251361	3.29881856	5.438346079
CYR61	ENSG00000142871.16	5.538246653	3.233741534	0.665835633
CCDC122	ENSG00000151773.12	2.273304994	0.725096919	3.677797515
KTN1-AS1	ENSG00000186615.10	2.133428698	1.196508616	1.621322527
RPL9P7	ENSG00000238103.4	2.568766374	1.248020106	2.574943133
SEMA6A	ENSG00000092421.16	2.24717126	6.752036813	1.53517162
TRIP6	ENSG00000087077.13	6.929348965	6.513436732	0.298821147
ANO7	ENSG00000146205.13	1.776764627	3.488807779	1.365868044
AL354920.1	ENSG00000254473.1	0.726451643	2.443130484	1.425771692
ZNF814	ENSG00000204514.9	5.147466365	2.813377299	3.01161319
TECPR2	ENSG00000196663.15	3.072229073	3.717291734	0.366202663
C14orf28	ENSG00000179476.7	0.529049698	0.863329654	1.292047325
TEN1-CDK3	ENSG00000261408.6	2.587148891	2.022972662	2.931293856
TMEM169	ENSG00000163449.10	1.3397042	2.112256513	1.212417319
FBXO43	ENSG00000156509.13	2.733663036	1.319545202	0.446252074
AC242376.2	ENSG00000274471.1	2.011294685	0.435467499	1.630624958
MIR590	ENSG00000207741.1	1.205612757	2.223189319	1.775683056
OTUB2	ENSG00000089723.9	2.088939826	1.644426858	0.409093622
PCDH7	ENSG00000169851.15	4.563381785	0.345044594	6.141931228
REP15	ENSG00000174236.3	2.341326302	1.731896752	0.925381104
FGF2	ENSG00000138685.13	4.032868579	2.211685017	4.197375026
AC015813.5	ENSG00000279069.1	2.215561816	2.265214639	2.353800124
SEMA3C	ENSG00000075223.13	5.336482602	4.296150721	4.349347881
LINC01004	ENSG00000228393.3	1.302645496	1.990837581	2.203661463
DOPEY1	ENSG00000083097.14	2.842023152	2.20514739	2.320323491
PRSS23	ENSG00000150687.11	6.960708385	4.141671945	0.458756781
RSPH3	ENSG00000130363.11	2.813114069	2.136913235	2.174865844
SYDE2	ENSG00000097096.8	0.644307354	1.1526884	0.969741839
AC007066.2	ENSG00000261094.2	1.147935921	1.562206968	1.604202985
MAN2B2	ENSG00000013288.8	2.928094277	4.308991709	5.175230344
AL080317.1	ENSG00000230177.1	1.059604541	2.37222612	1.511414602
AC087741.1	ENSG00000262580.5	3.812926261	2.784933293	3.003522247
ZNF792	ENSG00000180884.9	1.855677865	2.615107371	1.627478754
ZNF678	ENSG00000181450.17	1.494864718	0.504447213	1.098600216
GGACT	ENSG00000134864.10	0.725651834	2.298647906	2.794098736
ABLIM1	ENSG00000099204.18	3.348656481	3.204796469	6.942136081
LIPE-AS1	ENSG00000213904.8	1.545215265	2.941656333	1.671497719

ALG10B	ENSG00000175548.8	3.132405686	2.278104566	0.625363298
Z97634.1	ENSG00000236829.9	1.907216253	2.901052706	2.886547826
AC130324.3	ENSG00000275185.1	1.509766958	1.996192257	1.080010162
OAZ3	ENSG00000143450.16	0.79246549	2.667305483	1.21348927
ZNF799	ENSG00000196466.10	1.79365388	0.876548871	2.156424905
C8orf46	ENSG00000169085.11	0.401683181	2.884432022	1.597427047
AC245100.8	ENSG00000280649.2	2.062353352	2.397770639	1.016711523
TMEM86A	ENSG00000151117.8	1.760901025	2.600165255	2.139944892
AGBL3	ENSG00000146856.14	1.357670576	0.983523538	1.9334875
RNU6-33P	ENSG00000207524.1	2.273884116	3.390600622	0.449667551
AC034236.1	ENSG00000185641.6	2.636409985	0.354810527	1.294407359
ZNF862	ENSG00000106479.10	0.899700683	3.108641402	4.515546173
LZTS3	ENSG00000088899.14	1.493325927	2.929032269	0.384095789
KLF15	ENSG00000163884.3	3.348682376	4.709988159	3.72624461
AL513165.2	ENSG00000256966.6	2.24939674	1.873162758	1.473581255
AC099343.3	ENSG00000271646.1	2.020958859	0.658985193	0.698594725
TBC1D2	ENSG00000095383.19	1.216194654	2.302675247	3.951575274
SLC6A15	ENSG00000072041.16	6.430619671	6.107794956	5.352147596
AP005482.3	ENSG00000267249.1	0.647321835	1.463592667	0.702017179
LENG8-AS1	ENSG00000226696.5	2.741250767	1.696183609	3.014451217
AC055811.4	ENSG00000278864.1	2.465291405	0.512560967	2.086007399
CDR2L	ENSG00000109089.7	3.523806252	1.309387295	0.658403965
AP002495.1	ENSG00000254469.7	2.724320323	1.383262503	1.509130234
TTC39B	ENSG00000155158.20	1.651597155	0.663441442	2.246209717
EGFL7	ENSG00000172889.15	2.268988304	6.315599605	4.124467932
AC018797.2	ENSG00000246560.2	0.804825782	1.592979115	2.183078174
AC064807.1	ENSG00000228801.5	1.422330308	1.691249096	0.787930748
EGR3	ENSG00000179388.8	4.69706263	5.212754988	5.134399867
AL109811.3	ENSG00000271895.2	1.337124114	1.186914842	2.032084023
AC012073.1	ENSG00000271936.1	3.197985541	2.078778243	0.600349099
JDP2	ENSG00000140044.12	0.996514737	2.342171996	3.314008676
RBPMS-AS1	ENSG00000254109.5	0.842440588	2.991726894	0.925915928
WDR17	ENSG00000150627.15	2.275544281	2.134873811	2.571675398
ENOX1	ENSG00000120658.13	0.579106165	2.965954044	2.246779548
ZNF19	ENSG00000157429.15	1.08877762	1.116483616	2.208531878
CEBPD	ENSG00000221869.4	3.530153971	3.460872911	0.577605345
RPL7P1	ENSG00000214485.6	2.422165922	1.422694905	1.238194991
KDM4D	ENSG00000186280.6	1.878995149	0.465354373	2.083945404
SPACA6	ENSG00000182310.13	3.167840749	2.23712604	0.420557068
ZNF628	ENSG00000197483.9	2.207367313	0.815706706	1.779361253
AL021707.6	ENSG00000272669.1	2.121456145	2.368995692	0.779426214
FOSB	ENSG00000125740.13	2.803805317	0.882724654	1.214782393
CAPN10-AS1	ENSG00000260942.1	0.405453298	1.128428444	1.166688313
GPR135	ENSG00000181619.11	1.338805213	0.389311056	0.725639652
PCDHB13	ENSG00000187372.11	1.634411841	0.231259162	0.971248736
ATP6V0E2-AS	ENSG00000204934.10	1.191300303	0.778019135	1.978977978

LONRF3	ENSG00000175556.16	3.575007977	4.758633436	4.558856754
SMIM27	ENSG00000235453.9	1.649281236	0.69081441	1.420912125
PAR6B	ENSG00000124171.8	2.045444461	1.554633427	2.761015222
LPAR6	ENSG00000139679.15	2.758670462	2.393651012	1.590706246
C12orf60	ENSG00000182993.3	1.151996309	2.55102127	2.338476131
TOLLIP-AS1	ENSG00000255153.1	0.9554082	1.297043784	0.679701013
SLC22A17	ENSG00000092096.16	0.80155567	3.185340649	0.538793758
EPS8L1	ENSG00000131037.14	0.491294153	2.85289919	3.250929737
IL17D	ENSG00000172458.4	0.906798571	2.211183008	1.740936029
THAP9	ENSG00000168152.12	1.372793603	1.47128148	1.058484224
SLCO3A1	ENSG00000176463.13	4.355028059	4.626625716	2.821600781
EBLN2	ENSG00000255423.1	1.158392759	1.277785592	0.630174736
EPHX4	ENSG00000172031.6	3.924147242	3.576905573	3.402940711
RPL36A-HNR1	ENSG00000257529.5	1.512016478	3.545238054	2.991551225
DNHD1	ENSG00000179532.12	2.845736649	3.592552681	1.229626594
ZNF286B	ENSG00000249459.8	2.579512584	1.226718914	0.762423335
AC004918.1	ENSG00000244701.1	1.283091884	1.85054626	1.155502101
FLVCR1-AS1	ENSG00000198468.7	2.741586933	0.582402076	2.029181348
TLR6	ENSG00000174130.12	2.506636652	2.302884473	4.735542281
NLRP1	ENSG00000091592.15	2.816969028	0.406390361	0.73313359
AC009303.4	ENSG00000279227.1	0.501773458	2.03980275	1.584724379
ZNF583	ENSG00000198440.9	0.794864664	0.441237617	0.898461003
ZNF436-AS1	ENSG00000249087.6	1.907594724	0.97882856	1.273711176
Z99129.4	ENSG00000279453.1	1.781705341	1.116612567	0.171229597
ASPHD2	ENSG00000128203.6	1.602680376	2.731164499	0.503839382
AC120114.4	ENSG00000279789.1	1.499863462	1.576302287	1.326720366
DSTNP2	ENSG00000248593.3	3.205817458	3.133070458	3.545151634
SPATA25	ENSG00000149634.4	1.155647237	0.909940304	0.704950981
MAP1A	ENSG00000166963.12	3.887058652	0.420163252	2.356259608
AC008115.3	ENSG00000275560.1	1.922430986	1.515562717	1.872087061
RNU6-8	ENSG00000202337.1	1.939894116	0.782817815	0.428223998
FCRLB	ENSG00000162746.14	2.416260716	1.928813715	0.424834836
AL162377.1	ENSG00000231856.2	0.512021424	0.566744522	0.959699542
ADAMTS7	ENSG00000136378.14	1.039770612	1.567052877	2.143167677
PSMG3-AS1	ENSG00000230487.7	0.729891427	4.215400259	1.368432496
AL512625.1	ENSG00000170161.6	3.553748529	1.669753846	0.532854773
CFAP69	ENSG00000105792.19	1.02202586	1.645665308	0.774409481
DOK3	ENSG00000146094.13	2.858942058	2.122501364	0.95278719
AC092902.2	ENSG00000241288.7	1.661791507	1.668338861	0.578776496
PPP1R26	ENSG00000196422.10	4.224623973	5.386084159	5.244875884
AC068724.1	ENSG00000205871.5	1.763921541	0.968940507	0.98456413
AL645568.1	ENSG00000203739.3	0.973897441	0.93089362	0.618581893
LRRC29	ENSG00000125122.15	2.003082767	1.848987405	1.647262672
MAST4	ENSG00000069020.18	1.462930412	2.177596571	2.683188467
CDKL5	ENSG00000008086.11	0.653848043	1.144377221	3.06272046
SNX24	ENSG00000064652.10	4.759162829	4.460068344	0.503385804

NFYC-AS1	ENSG00000272145.1	1.016774914	0.722320938	0.489195032
AC093484.4	ENSG00000265401.1	0.899124852	0.433172797	0.798980158
AC002546.1	ENSG00000267194.1	2.071598468	0.626875013	2.96681473
APOC1	ENSG00000130208.9	2.530019618	0.499839473	8.934613092
AC011468.5	ENSG00000275055.1	1.167648053	0.982126492	0.930916721
SCARNA12	ENSG00000238795.1	2.379396199	2.21841822	1.542671837
MELTF	ENSG00000163975.11	7.109001246	6.761835462	4.286102637
SRGAP1	ENSG00000196935.8	1.258729685	2.200275412	3.434907254
IL4R	ENSG00000077238.13	2.564181441	2.82174683	0.289353413
GDPGP1	ENSG00000183208.12	1.012951526	1.738136761	2.03886018
AC135048.1	ENSG00000261487.1	1.976792761	2.304748891	1.694828435
SMO	ENSG00000128602.9	4.677318392	5.361817738	5.154024805
ZNF784	ENSG00000179922.5	2.287393142	0.427583268	1.747616185
AC132938.3	ENSG00000265458.1	2.596399342	0.600356163	1.155161987
AC007114.1	ENSG00000263004.1	0.486508219	1.552423186	2.494079208
FAM149A	ENSG00000109794.13	0.784125989	2.441648599	3.293699957
ARHGEF28	ENSG00000214944.9	3.469956275	1.361434715	2.700399667
FAM53A	ENSG00000174137.12	0.914112672	0.61671225	2.66878342
LINC01588	ENSG00000214900.9	0.504152176	2.46663465	2.531298956
ARSJ	ENSG00000180801.13	3.707940124	0.284542141	0.356508786
IDH1-AS1	ENSG00000231908.1	0.17631123	1.786908787	1.090550224
AL445250.1	ENSG00000225096.2	1.506676169	2.148159075	1.061953011
TTC25	ENSG00000204815.9	2.88039257	2.27179103	0.981133569
MRC2	ENSG00000011028.13	5.83763341	5.821005893	4.304647967
C19orf73	ENSG00000221916.3	1.15970781	1.047091407	0.952561994
SLC22A23	ENSG00000137266.14	0.48857342	4.091350954	2.859442437
GTF2IP12	ENSG00000283050.1	0.73681615	1.577660261	0.972803508
ZNF888	ENSG00000213793.5	2.053682123	1.701426341	1.756122555
AC005726.4	ENSG00000264608.1	1.285581347	2.061724085	0.918699931
RNF122	ENSG00000133874.1	0.383222411	1.880076739	1.582392869
LRTOMT	ENSG00000184154.13	2.450662747	0.993207111	2.856075037
CYP2U1	ENSG00000155016.17	0.462115594	3.758478502	4.511179351
ZNF253	ENSG00000256771.3	2.738901172	1.444368763	1.396348126
MXD1	ENSG00000059728.10	2.231132694	2.189395162	1.658328226
MZF1-AS1	ENSG00000267858.5	2.969808195	1.398571306	1.3610402
RANBP17	ENSG00000204764.13	2.622906614	2.464987296	0.460225293
NFATC1	ENSG00000131196.17	2.605338937	4.030269316	2.943089336
AC012313.10	ENSG00000279611.1	1.360111856	0.821840418	1.628107681
ZBTB42	ENSG00000179627.9	1.969058854	1.440705641	0.263642876
TDRKH-AS1	ENSG00000203288.3	1.558420574	0.945971685	1.567849058
RPL21P75	ENSG00000213860.4	2.257552387	1.46303633	0.915332325
PARD6A	ENSG00000102981.9	1.998261571	0.937279685	1.787854639
RPL41P2	ENSG00000256338.2	1.911458157	1.148612183	0.41474413
ZNF525	ENSG00000203326.11	2.058182991	2.781387397	2.202366892
CCDC183-AS1	ENSG00000228544.1	2.11878071	1.489303974	2.42587535
LINC00526	ENSG00000264575.1	0.645643277	1.402685121	1.068534499

CCDC69	ENSG00000198624.12	1.801931419	0.359217147	2.208125696
L3MBTL1	ENSG00000185513.14	0.64098113	3.797507831	3.282906998
AC010618.3	ENSG00000269439.5	3.289434769	2.948596085	2.317742304
GTF2IP13	ENSG00000272556.2	0.283098691	1.273598884	1.465326425
CSGALNACT1	ENSG00000147408.14	5.126619975	3.399186594	4.442472994
COBLL1	ENSG00000082438.15	2.54902882	2.685622756	4.135764812
ZNF300	ENSG00000145908.12	3.645954826	3.247860183	1.968748272
RAB11B-AS1	ENSG00000269386.5	2.471848318	1.897610515	0.720515076
COLGALT2	ENSG00000198756.10	2.130275975	3.656258009	4.039284336
AL353743.1	ENSG00000165121.11	1.982961967	1.966609104	1.563686197
ATP11C	ENSG00000101974.14	4.320298094	4.814527109	3.601395286
AC090589.3	ENSG00000270060.1	1.210616188	1.131215772	1.284990183
GMDS-AS1	ENSG00000250903.8	0.914779073	1.463554765	2.038203358
CYP27B1	ENSG00000111012.9	4.054723398	0.83864585	2.262958004
DACT3	ENSG00000197380.10	0.128956506	1.80100295	2.675959129
SGMS2	ENSG00000164023.14	0.31891337	2.353550661	2.230304228
ETV2	ENSG00000105672.14	0.801353821	1.629745579	2.238665695
AC087501.5	ENSG00000271851.1	0.434089324	0.796693622	1.856326729
AL358472.4	ENSG00000282386.1	1.460852326	1.538410964	0.302561945
AP003392.4	ENSG00000255121.2	3.434543981	0.939217589	0.361899153
ARHGAP27	ENSG00000159314.11	2.828983314	3.355135928	3.235113725
ETFBKMT	ENSG00000139160.13	0.788609282	0.780597436	0.295312711
NR4A3	ENSG00000119508.17	0.299735981	6.857485623	2.327672471
C1QL4	ENSG00000186897.4	0.711468318	2.664475399	0.468445569
SPIN2B	ENSG00000186787.8	1.812818827	2.130817071	1.777067655
AC134772.2	ENSG00000282827.2	1.508686841	0.857579474	0.479768124
UBE2Q2P1	ENSG00000189136.8	0.648443271	1.970841243	2.00082115
FAM86C2P	ENSG00000160172.10	2.529559265	2.298712912	0.452403698
AP005329.3	ENSG00000272688.1	1.526774786	2.876116393	2.495617507
STX16-NPEPL	ENSG00000254995.4	1.624358455	1.290349562	4.004274456
FLRT2	ENSG00000185070.10	1.818421482	1.838408199	0.803358071
PCDHB15	ENSG00000113248.5	1.272458922	0.297564073	0.516059192
FAM229A	ENSG00000225828.1	2.729566934	2.662079138	0.344772815
AC005696.1	ENSG00000262050.1	0.619844932	0.980209914	1.979732107
EFNB3	ENSG00000108947.4	2.509033907	1.755032998	0.229157398
SNORA71A	ENSG00000225091.3	2.419602649	2.172572558	0.760787788
SNORD46	ENSG00000200913.1	2.778149512	1.742950375	0.976328537
FXYD3	ENSG00000089356.18	6.967227962	3.758229481	7.853245441
CADM4	ENSG00000105767.2	6.985782013	3.682887696	6.291158292
HDX	ENSG00000165259.13	1.221167976	1.243340099	1.385794197
CYP2J2	ENSG00000134716.9	1.909298259	3.633394903	2.65384909
MAST1	ENSG00000105613.9	0.479961532	3.834846323	3.580720134
SPRY4-AS1	ENSG00000231185.6	3.621618401	2.158819827	3.236164552
ALMS1-IT1	ENSG00000230002.2	1.571934297	1.602102121	2.347062199
CHKB-AS1	ENSG00000205559.3	0.972594483	1.960010716	1.46377127
FLJ37453	ENSG00000179743.4	1.6078896	0.682389495	0.338772682

SRGN	ENSG00000122862.4	2.936839684	3.370880812	0.737731734
SNORA3B	ENSG00000212607.1	2.585992916	1.966431193	1.698000507
ZBED6	ENSG00000257315.2	4.612449151	4.181696723	1.722680905
KLF2	ENSG00000127528.5	2.937289582	2.329159177	0.858206758
HIST1H1E	ENSG00000168298.6	2.606351204	1.813626332	0.5781126
MGLL	ENSG00000074416.13	4.099687176	3.49187002	0.643027484
AC107375.1	ENSG00000259891.1	0.665744248	0.682362771	0.858753965
ARID5A	ENSG00000196843.15	1.259261935	2.756221009	0.320476473
PDGFRL	ENSG00000104213.12	1.568445327	3.922546061	0.748246098
AZIN1-AS1	ENSG00000253320.5	0.54511847	0.958847824	2.127683598
SNORA71C	ENSG00000201512.1	2.660909635	1.667346646	1.869770165
RN7SL81P	ENSG00000244218.3	0.459179614	3.254613038	2.130765404
GBP3	ENSG00000117226.11	0.370357825	3.997182404	2.82136071
AC079922.2	ENSG00000237753.1	0.093733361	1.72652368	0.849177658
VGF	ENSG00000128564.6	6.336806607	9.679697914	5.368967164
UBAC2-AS1	ENSG00000228889.6	1.33276568	2.403769999	0.918647533
ZNF66	ENSG00000160229.11	1.906777477	1.17167672	0.26237234
MIR6807	ENSG00000275924.1	2.049102495	1.509045195	0.728948477
AC026740.1	ENSG00000271781.1	1.473163241	0.906852944	0.842875425
SPAG4	ENSG00000061656.9	1.913022658	0.743762747	2.376508937
TMPO-AS1	ENSG00000257167.2	3.150833127	0.692994537	0.174647477
PROSER2	ENSG00000148426.12	3.30300074	3.724894049	3.631964433
AL928654.2	ENSG00000251602.6	2.030825981	1.889955926	0.459729168
AC239868.2	ENSG00000261716.1	0.997241637	1.434750504	0.199806967
SLC25A45	ENSG00000162241.12	3.02063806	2.459210905	0.277248551
PCAT6	ENSG00000228288.6	2.580271695	2.989614186	0.830838796
COL9A2	ENSG00000049089.13	4.016299291	4.100665923	3.743427655
LTBP4	ENSG00000090006.17	5.907866574	5.822416768	5.045195623
DDX11-AS1	ENSG00000245614.3	1.070828366	0.868993651	0.815258352
AC026979.3	ENSG00000271869.1	0.676807524	1.469465465	1.963191889
AL161935.3	ENSG00000237797.1	2.193375027	0.616408484	3.714509938
TMEM136	ENSG00000181264.8	2.722521428	0.773193409	1.957094468
AL596094.1	ENSG00000272764.1	1.363744342	1.090349564	0.40275477
AL441883.1	ENSG00000261071.1	0.641387653	1.665362618	0.380514151
AP000580.1	ENSG00000219529.2	3.174334139	3.301925387	3.028538732
AC016727.1	ENSG00000270820.5	0.803855055	2.562944157	0.68876687
RPS10P7	ENSG00000223396.3	1.135418849	0.243802477	2.085455894
AC106782.2	ENSG00000260219.2	1.852178221	0.625342588	0.294531962
ELOCP19	ENSG00000241975.1	0.211563922	1.262842069	1.099321783
COBL	ENSG00000106078.17	3.279238228	3.894648901	2.775997942
NFIA	ENSG00000162599.15	2.605510679	2.484839679	2.10367733
LAMB3	ENSG00000196878.14	3.862348943	0.789567883	2.092135494
AC012676.5	ENSG00000280063.1	1.984001185	2.029628494	1.612816491
SPATA7	ENSG00000042317.16	0.996699616	1.653463052	0.855525829
CERS4	ENSG00000090661.11	3.172741663	3.721529107	2.435769473
ZNF565	ENSG00000196357.11	1.459484197	1.43534236	1.52350026

MMACHC	ENSG00000132763.14	4.199629007	0.090173584	3.31101819
AC122688.3	ENSG00000279233.1	0.373088948	0.327427562	1.46553626
ZNF850	ENSG00000267041.5	1.209206054	2.794102991	0.117853301
PROCR	ENSG00000101000.5	5.493460431	6.396298214	4.99423994
RALGPS1	ENSG00000136828.18	0.554649277	1.090625186	3.374941859
AC108488.1	ENSG00000242282.6	3.146819751	2.023858264	0.166756271
AC113935.1	ENSG00000226084.5	1.877856943	2.051368976	1.017708836
HNRNPA1P48	ENSG00000224578.4	4.492044516	2.659631522	2.698956384
CORO2A	ENSG00000106789.12	2.855628771	3.24049377	1.394021242
C2orf72	ENSG00000204128.5	0.5916928	1.622351963	1.662098817
HNRNPA1P7	ENSG00000215492.6	2.71614334	0.788917628	0.807582491
HSPA1L	ENSG00000204390.9	0.147669869	1.715779615	2.12327516
SNORA66	ENSG00000207523.1	1.893985987	1.910289747	0.709772135
PDZD4	ENSG00000067840.12	1.419770961	3.459981378	3.150665879
AC007038.2	ENSG00000272807.1	1.024034933	2.034744093	1.807007287
DEPTOR	ENSG00000155792.9	3.088046394	2.546161351	2.589090497
PTK2B	ENSG00000120899.17	1.231970061	1.749955247	2.285286149
DNAJC3-AS1	ENSG00000247400.3	1.764702202	0.84658702	1.78933646
NEK3	ENSG00000136098.16	0.375036881	1.777349592	3.883769649
ZSCAN18	ENSG00000121413.12	1.357242334	2.094005785	1.199101775
AC025181.2	ENSG00000272086.1	0.733935645	1.494157125	1.295066332
AC092910.3	ENSG00000242622.1	1.412058188	1.232706794	1.285421514
AL035461.2	ENSG00000275632.1	3.02533292	1.690774767	0.411314227
MIPOL1	ENSG00000151338.18	1.961390251	1.602495722	2.378360231
AC025857.2	ENSG00000269899.1	0.625445819	2.46983096	6.800458035
DNAAF4	ENSG00000256061.7	3.057854454	3.120604552	2.131260034
BEST1	ENSG00000167995.15	0.88296584	4.436524034	5.665915589
SNORD125	ENSG00000239127.1	2.812692251	2.88614445	1.815675467
AC004922.1	ENSG00000284292.1	6.346263877	7.234930063	0.392634222
JHDM1D-AS1	ENSG00000260231.1	2.274803074	1.406678266	2.191898259
NR6A1	ENSG00000148200.16	0.553663764	2.462647526	0.196503774
VAX2	ENSG00000116035.2	1.516519274	1.80181978	0.188449412
AC016026.1	ENSG00000093100.13	0.667456484	2.229116668	0.897473134
AL161772.1	ENSG00000278291.1	2.44199531	2.656176139	2.364328449
CROCCP3	ENSG00000080947.14	0.975558198	1.526303195	2.157322245
AL354740.1	ENSG00000225339.3	1.774654188	1.29735026	0.21952029
AC107918.4	ENSG00000284610.1	1.317777389	3.340866797	4.363806601
POLR2J2	ENSG00000267645.5	2.504225812	1.70529636	3.287644472
ATP1A1-AS1	ENSG00000203865.9	0.560096879	0.958714757	0.579012038
AC064836.3	ENSG00000273456.1	0.843633722	1.967595956	2.425370824
MECOM	ENSG00000085276.17	2.416753562	2.72967273	3.028676731
ST6GALNAC2	ENSG00000070731.10	0.540279994	4.124325618	5.814028732
RPS24P8	ENSG00000224094.1	2.746272683	0.378494969	1.355425641
DPYSL3	ENSG00000113657.12	4.842891882	4.15873976	5.040988483
ZHX2	ENSG00000178764.7	2.23959714	2.278081905	1.829133608
SNORD68	ENSG00000200084.1	4.054124998	3.735223836	1.596187948

PCDHGA6	ENSG00000253731.2	0.724625064	0.210767444	0.405439063
AC107068.1	ENSG00000259959.1	2.280489383	0.467451091	1.719675834
AURKAPS1	ENSG00000213033.4	1.425268776	0.333540881	2.130898214
AC074143.1	ENSG00000265690.7	0.469764301	1.489096721	2.177221214
NPTN-IT1	ENSG00000281183.1	0.21212765	0.845440003	1.095384628
AC241585.2	ENSG00000272419.6	3.163139241	3.394206836	2.656706238
EN2	ENSG00000164778.4	4.348207311	5.805945797	0.535919776
AC026403.1	ENSG00000229119.3	2.357677608	1.095452467	2.114197436
SNORA72	ENSG00000207067.1	2.407399838	1.485441086	0.401208776
DENND3	ENSG00000105339.10	2.507327332	0.485789028	3.231892852
ZNF418	ENSG00000196724.12	0.697571258	1.425853052	0.560795318
LINC02482	ENSG00000251580.1	2.358499161	0.162260974	3.588406239
RPP25	ENSG00000178718.6	5.434227122	5.895475378	0.246379389
BTG2	ENSG00000159388.5	3.498629464	3.696407611	3.918497781
AC006449.6	ENSG00000277969.1	1.558074846	0.971760565	1.653976409
AC104506.1	ENSG00000273204.1	1.42056672	0.317143415	0.278950967
AC048344.4	ENSG00000277342.1	1.958120955	1.302717602	1.427459844
HOXB8	ENSG00000120068.6	4.569555697	2.01267616	3.430648363
AC009237.3	ENSG00000229689.3	2.377155765	0.532458181	2.134744303
METTL27	ENSG00000165171.10	4.546673736	2.423128874	0.847602274
FOXN3-AS1	ENSG00000258920.1	0.822005565	0.182462789	0.60746295
AC017100.1	ENSG00000259985.1	2.617019268	2.370081675	2.981557103
CHST2	ENSG00000175040.5	3.932279565	4.790888304	-0.023946928
NCR3LG1	ENSG00000188211.8	3.102997908	3.192837521	1.004927592
NAP1L4P1	ENSG00000177173.5	0.726327184	1.720026258	2.594138147
GRAMD1B	ENSG00000023171.16	7.641499482	5.507182058	2.052886234
ICAM5	ENSG00000105376.4	3.857346692	3.908430556	2.185865326
SENP8	ENSG00000166192.14	0.593858059	0.055005662	0.755552806
ZNF443	ENSG00000180855.15	2.366977917	0.993387508	2.2747725
C2orf81	ENSG00000284308.1	3.656471016	1.130321782	0.498470432
ICA1L	ENSG00000163596.16	1.599550789	1.093440374	3.050492233
FAM161B	ENSG00000156050.8	1.819056453	0.321123284	2.308706557
43893	ENSG00000173926.5	0.296153413	1.11888568	4.020294338
ZNF345	ENSG00000251247.10	0.843665078	1.004473499	1.349908662
UBA7	ENSG00000182179.12	2.523778845	3.052402042	0.333662152
FAM212B	ENSG00000197852.9	4.232227396	1.579880673	1.926899184
AL158152.1	ENSG00000269929.1	1.460850839	1.783787124	1.023325557
FBXL19-AS1	ENSG00000260852.1	1.785194755	2.162082086	1.236441743
OSR2	ENSG00000164920.9	1.610474636	0.110257147	0.75078937
IQCJ-SCHIP1	ENSG00000283154.2	5.347817433	3.799082774	2.976213963
AC139768.1	ENSG00000278126.1	0.487195995	1.282080606	1.505694152
AL928921.2	ENSG00000284693.1	0.561058839	0.435209153	0.383988116
HCN2	ENSG00000099822.2	0.346094213	4.031045492	4.835333716
PDGFRA	ENSG00000134853.11	1.903526434	0.807441842	0.840765667
BAHCC1	ENSG00000266074.8	3.890018587	4.613019414	5.884715017
HMG1N1P36	ENSG00000235734.4	0.623468469	0.257886386	0.218764621

AL121906.2	ENSG00000275223.1	0.721771177	1.268219679	1.557991121
SAPCD1	ENSG00000228727.8	2.333024779	3.070400561	1.740145392
TBC1D8-AS1	ENSG00000272902.2	0.159319356	0.831041218	0.917913912
RBMS3	ENSG00000144642.21	3.930735188	0.460490759	2.440888162
FST	ENSG00000134363.11	7.4654621	2.537756191	1.360282692
AL022328.4	ENSG00000273253.2	0.954307368	1.258948642	2.757711094
HMGB1P10	ENSG00000213707.2	2.633052482	1.081771299	0.50369722
CCDC78	ENSG00000162004.16	2.894685939	4.561467405	4.473339066
AC105202.1	ENSG00000247317.3	2.756704367	3.325422409	2.847244013
AC005839.1	ENSG00000279089.1	0.601680076	0.563627731	1.411120357
ZRANB3	ENSG00000121988.17	2.31983147	3.090201891	0.746370281
AC133552.6	ENSG00000275494.1	0.611665068	1.137864266	1.364534389
ADAM11	ENSG00000073670.13	1.631890493	3.251407004	0.645665742
CEP126	ENSG00000110318.13	1.670213459	0.752818188	1.21101862
ZNF709	ENSG00000242852.6	1.649316278	0.336356146	1.479129498
TM4SF1	ENSG00000169908.11	6.917615141	2.511016214	1.097691078
GSDMB	ENSG00000073605.18	1.43379421	3.081663202	0.561884057
AC008393.1	ENSG00000245317.2	0.630402348	0.135035207	0.989619079
GOLGA2P7	ENSG00000225151.10	1.305809358	1.266611155	2.778350863
AC243964.3	ENSG00000279095.1	2.974540963	1.208682069	0.550182432
TIPARP-AS1	ENSG00000243926.1	1.384987425	1.295121604	0.861070845
AC098487.1	ENSG00000248161.5	0.878168127	0.625939595	0.504248309
AC090114.2	ENSG00000273270.1	1.089082861	1.197667176	1.893329646
AP003108.2	ENSG00000256591.5	3.26345618	0.929528721	1.803882187
GPR176	ENSG00000166073.10	4.203830843	1.930564365	2.02004163
ANXA1	ENSG00000135046.13	10.0955134	2.615188289	0.395509326
LRRC46	ENSG00000141294.9	1.833721106	-0.067144254	1.573239965
FLJ27354	ENSG00000231999.6	0.027857193	1.113744093	3.488614529
CBS	ENSG00000160200.17	0.835369311	3.357284626	4.221439283
ATXN3	ENSG00000066427.21	2.711149752	1.584910429	0.66589997
PANX2	ENSG00000073150.13	1.308895907	3.154417848	0.434195261
ZP3	ENSG00000188372.14	2.076675714	2.10339849	0.007547144
LCA5	ENSG00000135338.13	1.687478525	1.01528715	1.853998132
CARD8-AS1	ENSG00000268001.1	1.334144369	1.222755976	2.428294383
ARHGAP29	ENSG00000137962.12	2.419039878	2.51198724	-0.008976707
AC133041.1	ENSG00000272710.2	2.162343227	3.102301079	1.923448428
TSPAN12	ENSG00000106025.8	4.901640435	3.398818693	5.354479749
PROCA1	ENSG00000167525.13	1.081883569	0.786999997	-0.060479175
CNIH2	ENSG00000174871.10	4.069877467	0.230712958	2.167168172
SRGAP2D	ENSG00000270872.2	3.410682781	3.05221628	0.415304229
C1orf53	ENSG00000203724.10	3.493444283	0.778431666	0.107624624
RAB11FIP4	ENSG00000131242.17	0.832015539	5.989791017	5.003485854
SRP54-AS1	ENSG00000258704.6	1.317746193	0.61500397	0.298843868
FAM185BP	ENSG00000214439.3	0.20871536	0.647887212	0.663268381
AC011511.1	ENSG00000167807.15	1.272299532	0.547657364	0.880129497
FAM83G	ENSG00000188522.14	4.311772001	3.183511982	2.867129953

AL589666.1	ENSG00000271793.1	2.797591371	1.631285393	0.560431888
AC023043.1	ENSG00000260552.1	4.851767395	3.687618107	0.752306153
CCDC88B	ENSG00000168071.21	1.779168343	2.271269369	3.139830628
PLEKHG5	ENSG00000171680.21	4.28312879	3.339540608	1.981014787
AL513550.1	ENSG00000228506.1	2.503182335	1.295983207	2.260301584
HSD3B7	ENSG00000099377.13	0.967048183	3.035180617	0.09649599
CERS1	ENSG00000223802.7	4.187700215	4.376998983	2.157859556
NP1PB3	ENSG00000169246.16	1.24178611	2.354964367	1.85924377
PFN4	ENSG00000176732.6	1.866631312	0.747314292	0.3927435
BOLA2B	ENSG00000169627.7	2.258049414	1.706713381	1.961649647
AC026271.4	ENSG00000264885.1	2.74286542	0.20465227	1.633198675
DYSF	ENSG00000135636.13	0.277409964	1.864497336	0.246587089
ZNF551	ENSG00000204519.10	2.333341607	0.706392978	1.005646311
C15orf65	ENSG00000261652.2	2.246773882	0.834280935	3.388592315
BFSP1	ENSG00000125864.13	3.029896984	0.312154117	1.759914933
EFEMP2	ENSG00000172638.12	2.260455231	2.129665487	3.044251771
RHPN1-AS1	ENSG00000254389.3	2.184959102	0.873453059	0.652584842
AC096992.2	ENSG00000273486.1	-0.144168545	1.135199812	1.161405296
ENC1	ENSG00000171617.13	5.149764754	2.624955325	3.206529644
AL669831.5	ENSG00000237491.8	1.476548925	2.732472932	0.177257894
KIAA1958	ENSG00000165185.14	2.725661962	2.381756658	1.34065524
SMAD6	ENSG00000137834.14	3.777343023	2.487630964	-0.012441229
HOXB13	ENSG00000159184.7	3.550253632	2.783041271	0.039140007
SLC25A5-AS1	ENSG00000224281.4	0.323832141	0.340168619	1.524136341
AC002310.1	ENSG00000235560.3	1.010580102	0.030953229	1.17036104
SCARNA15	ENSG00000252690.3	1.31218421	0.157939918	0.669292264
ZNF554	ENSG00000172006.11	1.49902523	0.949524631	0.837149862
BBOF1	ENSG00000119636.15	0.97895702	1.669012574	1.408632723
RAB6B	ENSG00000154917.10	2.423323615	4.655198891	5.976130875
CCDC149	ENSG00000181982.18	3.825097266	0.35936742	5.117877419
LIMCH1	ENSG00000064042.17	5.658653673	3.38686096	0.082994125
FKBP1B	ENSG00000119782.13	2.289419362	3.058774372	2.683245641
GSTM2	ENSG00000213366.12	2.795656577	4.832309818	4.271813878
DDX11L2	ENSG00000236397.3	0.190501081	1.883457771	-0.074184449
PABPC5	ENSG00000174740.7	0.079436946	1.30607768	2.886403276
LRFN1	ENSG00000128011.4	3.670723795	4.289444664	-0.017469169
ZFYVE28	ENSG00000159733.13	2.729471753	0.516126451	0.142556366
AC009318.2	ENSG00000273680.1	0.73301236	1.493737152	0.324289301
ASAH2B	ENSG00000204147.9	2.247366955	1.596767278	1.506973038
ZNF585B	ENSG00000245680.9	2.53911751	1.982096144	1.994896163
TMCC3	ENSG00000057704.12	2.130732141	1.662980122	2.772687664
MIR6850	ENSG00000283764.1	2.1843125	1.638171025	0.113029975
AC026356.1	ENSG00000274964.1	2.036608961	1.617359659	0.592172348
PRICKLE1	ENSG00000139174.11	1.930599507	0.243205939	0.029358727
LY96	ENSG00000154589.6	0.762784898	1.253223647	4.885192051
LINC00476	ENSG00000175611.11	2.763517382	2.134098173	1.365988342

AL139287.1	ENSG00000240731.1	2.500372703	2.866339367	1.249742706
CTSO	ENSG00000256043.2	-0.043746849	0.158584023	1.816208773
AC026471.1	ENSG00000260267.1	3.430079197	3.046609943	0.168024254
SNHG10	ENSG00000247092.6	3.776261948	2.488668702	0.411060113
AC092821.1	ENSG00000214776.11	3.295184503	2.897966965	3.907917281
AC092295.2	ENSG00000267309.1	1.743131546	0.948381512	0.784120079
ELMO3	ENSG00000102890.14	1.589465882	0.273624762	0.607409499
AC093157.1	ENSG00000233184.6	0.021673475	1.981790256	1.402062843
LINC00342	ENSG00000232931.5	1.659545336	2.55200754	-0.125366941
WASF4P	ENSG00000188459.4	0.97748209	0.929032546	0.703152966
RNU6-2	ENSG00000207357.1	1.227846162	2.724634021	0.170874826
AC006001.2	ENSG00000226824.6	1.664357879	3.551834371	0.599329473
MGMT	ENSG00000170430.9	3.656681342	4.416489488	4.255489645
STARD5	ENSG00000172345.13	-0.227538062	1.924491108	1.085008242
SNORD19	ENSG00000212493.1	2.632662109	2.641911827	0.602554442
U91328.2	ENSG00000272462.2	-0.212019287	1.207790213	2.278452458
EDA2R	ENSG00000131080.14	2.211897481	4.933320513	5.659493
PDGFA	ENSG00000197461.13	1.75380904	-0.044329725	4.535616022
ZNF815P	ENSG00000235944.8	2.31199736	2.549371911	1.775223461
AP003469.4	ENSG00000261087.1	0.189053532	0.149686019	0.96036325
AC113398.1	ENSG00000242814.2	0.82363285	-0.130231106	0.810771056
MIR6894	ENSG00000277474.1	1.394554518	1.782936896	1.827775153
TCTE3	ENSG00000184786.5	0.566526608	0.346943224	0.682327036
AC112220.4	ENSG00000271643.1	1.048964548	1.456178388	1.016526122
ZNF880	ENSG00000221923.8	3.238979789	4.654537889	4.218975729
TMEM255B	ENSG00000184497.12	3.25696115	0.347580821	3.077976982
AC245060.5	ENSG00000274422.1	-0.156915075	1.78059508	1.424505515
SYCP2	ENSG00000196074.12	-0.029011145	3.164887216	4.162322882
AP001062.1	ENSG00000184441.4	0.735738401	-0.220299304	0.241736498
MIR503HG	ENSG00000223749.9	2.943119442	1.3157432	2.25481318
AC008741.2	ENSG00000274925.1	0.82258703	1.525038667	1.262024626
SOCS2-AS1	ENSG00000246985.7	1.870648545	2.085384483	0.203694596
ENHO	ENSG00000168913.6	-0.151236764	0.2094107	1.406089893
MCIDAS	ENSG00000234602.7	3.063427416	2.226984228	1.122564239
ANKRD36B	ENSG00000196912.12	1.733924436	1.25882559	-0.242271169
SNORA75	ENSG00000206885.1	0.836517237	1.325395578	0.908187322
AC034231.1	ENSG00000249572.1	2.384391867	2.189255783	2.204084796
LTB4R2	ENSG00000213906.9	1.928781073	1.658484368	1.349106483
HNRNPA1P1C	ENSG00000214223.4	2.112245887	0.121973375	0.761819974
ZNF10	ENSG00000256223.5	2.136498056	2.914985062	1.223932338
LSMEM1	ENSG00000181016.9	-0.199401091	2.065366315	0.105462741
AC232271.1	ENSG00000270012.1	0.471084637	1.378467391	0.85999158
AC009113.1	ENSG00000259877.2	2.498932684	1.703055609	1.212301176
ZNF571	ENSG00000180479.13	0.60709987	1.1098593	2.258908696
NDUFV2-AS1	ENSG00000266053.2	-0.120405912	1.198782727	0.332505626
FGFBP3	ENSG00000174721.9	1.008278655	0.123310031	1.03456408

TMEM56	ENSG00000152078.9	2.093982753	3.969689105	2.672849133
AC097534.2	ENSG00000272870.1	1.861889724	0.509614326	1.702086866
AL606760.1	ENSG00000226754.1	1.250533273	0.857704186	0.455409076
AC117503.3	ENSG00000278861.1	1.0998217	0.282827147	0.467852907
AC004771.3	ENSG00000262227.1	1.512247498	0.570381595	1.404521542
FAM198B	ENSG00000164125.15	2.437115986	4.84422288	0.046541216
AL021068.1	ENSG00000213062.4	1.579726802	2.171911951	0.957169027
FAM167B	ENSG00000183615.5	0.370871224	5.297445972	1.497164596
AC007040.2	ENSG00000258881.6	1.370087608	1.0979588	0.280632862
TAS2R14	ENSG00000212127.5	1.203147546	1.133676958	2.265525647
SNORD101	ENSG00000206754.1	3.815727309	0.975963982	0.557783388
SUPT3H	ENSG00000196284.15	1.901862125	2.308141495	3.096550871
ZNF546	ENSG00000187187.13	0.476012493	1.158934735	0.317539703
RPL12P4	ENSG00000185834.10	1.919871267	1.298258352	0.255144015
KCNIP2	ENSG00000120049.18	0.298828403	2.257936367	1.316443081
PRKAA2	ENSG00000162409.10	2.09708154	2.319490218	0.878616017
PBLD	ENSG00000108187.15	0.955865572	-0.071416312	1.669834953
AL139035.1	ENSG00000280710.2	1.675384731	1.153795923	1.561333574
SCOC-AS1	ENSG00000196951.10	0.51105327	-0.051975273	2.699602139
LETM2	ENSG00000165046.12	2.45150696	0.147951404	1.353543074
AC112220.2	ENSG00000271020.1	2.024710143	1.914782485	1.820429337
P2RX6	ENSG00000099957.16	1.378292956	2.531034331	0.206466551
FAM151B	ENSG00000152380.9	0.958298148	-1.4055E-05	2.116252427
INO80B	ENSG00000115274.14	4.746863595	5.099288507	3.359859505
PKIA	ENSG00000171033.12	1.694920962	0.301810188	3.476122941
SLC9A3-AS1	ENSG00000225138.7	-0.166097956	6.546896457	3.562048754
CDKN1C	ENSG00000129757.12	3.367409927	3.01340216	2.52137979
ARMC2	ENSG00000118690.12	1.636917401	0.598295544	1.888901091
AP001893.1	ENSG00000254694.1	0.619113552	0.505223646	1.030121876
NPPA-AS1	ENSG00000242349.5	0.973555676	1.803556296	2.393488678
SLC2A10	ENSG00000197496.5	0.084825273	5.704785131	4.963554855
PLEKHA8P1	ENSG00000134297.6	3.621627326	2.813598153	0.17986559
AL136295.4	ENSG00000259522.3	4.732299694	3.635029817	4.322196574
KALRN	ENSG00000160145.15	3.726112734	0.53263325	3.355133216
C4orf36	ENSG00000163633.10	0.224212488	1.973125674	4.520858433
MAGI2	ENSG00000187391.19	1.274757284	3.050512624	3.483024375
AL049840.5	ENSG00000270108.1	0.977643262	0.445820741	0.761130895
RHBDL1	ENSG00000103269.13	1.891102804	1.941934905	1.608110528
ZFP69B	ENSG00000187801.14	3.837471958	0.268335167	1.062234701
AC011815.1	ENSG00000268573.1	1.119517071	2.709980515	0.374977711
AC096919.1	ENSG00000226360.5	1.755319917	1.142310966	0.92074434
SAMD5	ENSG00000203727.3	1.626974197	2.843861179	-0.232485013
AC012313.4	ENSG00000268543.1	2.592785046	1.381836366	0.864827799
AL360181.2	ENSG00000235245.1	1.823475026	1.05525064	0.641267643
MRPL45P2	ENSG00000228782.7	3.404415877	3.324716036	3.680074708
PCDHGB2	ENSG00000253910.2	1.689191173	1.353934718	0.546843312

AC078846.1	ENSG00000273329.1	1.260623184	1.291893102	0.016485929
SSBP2	ENSG00000145687.16	2.749754121	0.118655421	1.410311419
WWC1	ENSG00000113645.14	1.682618212	2.907685352	2.281323382
GPR37	ENSG00000170775.2	2.995244784	3.79221717	2.882895011
GUSBP11	ENSG00000228315.11	0.704589201	2.569702264	1.693049519
AC090181.3	ENSG00000278991.1	0.224409348	0.2751929	1.009232735
MMP1	ENSG00000196611.4	-0.094273178	0.801289509	2.974974014
AC093525.8	ENSG00000279520.1	0.187360428	1.313462499	1.584153601
FNDC10	ENSG00000228594.3	3.488640114	4.80319117	-0.181336493
SRGAP3	ENSG00000196220.15	1.674449181	1.813981841	0.839181797
SLC43A2	ENSG00000167703.14	1.944899893	0.099714455	-0.127011725
PMEL	ENSG00000185664.14	0.631144185	12.92081373	10.03109443
SLC26A10	ENSG00000135502.17	1.099590772	2.048709552	3.327259558
AC004706.4	ENSG00000282936.1	0.949071177	0.037120037	-0.33313895
FAM86JP	ENSG00000171084.15	2.695478424	3.012797716	-0.102034964
SOX6	ENSG00000110693.17	0.041581568	4.12092896	2.781778589
AC073896.1	ENSG00000144785.8	1.579951482	-0.154351654	2.061720904
FOLH1	ENSG00000086205.16	1.487831142	3.071150848	2.516265513
Z95115.1	ENSG00000261188.1	3.328249974	2.170946442	2.46352588
LOH12CR2	ENSG00000205791.3	0.082272169	0.183159383	2.540549916
AC011503.2	ENSG00000269397.1	1.031701557	0.297493942	-0.255770012
DLX6	ENSG00000006377.10	0.808677833	2.049740007	1.554400553
SP2-AS1	ENSG00000234494.7	1.220093963	1.24645064	1.496431012
ERO1B	ENSG00000086619.13	4.885046186	2.256013598	3.323089256
MIR4690	ENSG00000266041.1	2.22762632	1.734333526	0.782134251
AC244669.1	ENSG00000223804.5	3.146940834	2.845958206	1.648651103
AC025449.1	ENSG00000270558.1	2.081224521	0.462993159	0.196212436
AC008870.2	ENSG00000260751.2	0.677870013	1.074571412	1.417477386
MIR616	ENSG00000208028.1	1.264930492	2.237477921	5.000176212
AL137782.1	ENSG00000261553.5	1.350793149	0.467025862	1.221242083
HCG4	ENSG00000176998.4	0.097594261	0.851733341	-0.343982251
LSAMP	ENSG00000185565.11	2.316278682	3.266651398	2.207651923
HIST4H4	ENSG00000197837.3	0.99097394	2.30531032	1.363638908
SCML2	ENSG00000102098.17	3.243033645	1.194033629	0.067287182
AC012181.2	ENSG00000261114.1	1.769092592	2.791171004	1.440490179
PMEPA1	ENSG00000124225.15	6.74127394	5.227181369	-0.149807241
AC008736.1	ENSG00000267475.1	2.031966807	1.497444457	1.732995511
AC018690.1	ENSG00000273306.1	1.353670725	0.368917663	0.881604856
AC022400.5	ENSG00000272140.2	1.179948169	0.358985488	1.072095321
IFITM3	ENSG00000142089.15	8.780543928	3.887261302	6.488951113
AP000347.1	ENSG00000272578.5	0.33210591	1.15936182	2.390388456
H3F3AP6	ENSG00000178458.5	2.449682485	0.230388397	0.090145894
AP001453.1	ENSG00000256116.1	0.298546419	-0.018005508	1.2907174
CU633906.2	ENSG00000278903.3	1.049951673	-0.147676707	0.509342889
ARIH2OS	ENSG00000221883.2	0.966392975	0.336207143	0.032238961
AL137002.2	ENSG00000283828.1	-0.220039514	0.996199448	2.046105467

MIR210HG	ENSG00000247095.2	0.249581903	0.613698946	0.144552601
H1FX-AS1	ENSG00000206417.8	3.367547277	0.175981426	1.696745767
ARMCX4	ENSG00000196440.11	1.041781282	3.462211825	2.778418764
FAM86HP	ENSG00000253540.5	2.223910068	2.236621402	-0.098172369
AC145423.2	ENSG00000274427.1	0.597347573	1.039609405	3.568880444
CLEC2D	ENSG00000069493.14	-0.267296505	2.736653094	2.717686735
SPTY2D1-AS1	ENSG00000247595.4	1.48829807	1.895822659	1.213071807
LRRC37A3	ENSG00000176809.10	-0.364487377	1.717345757	1.220506122
RFX3	ENSG00000080298.15	2.666406148	2.048915962	2.452561518
MACROD2	ENSG00000172264.16	0.696284559	0.737245209	0.392994076
TYW1B	ENSG00000277149.4	2.35486116	3.380217901	0.707436286
THAP7-AS1	ENSG00000230513.1	2.610269517	2.979996404	0.224898834
SNORA14B	ENSG00000207181.1	2.765740542	0.7551516	0.90056584
JMJD7-PLA2G	ENSG00000168970.22	1.377469624	1.976246011	2.132182327
TFEB	ENSG00000112561.17	1.032100104	1.893140022	2.146664608
FCGR2A	ENSG00000143226.13	5.498133213	4.483740408	4.220538573
MDH1B	ENSG00000138400.12	0.783014271	1.815646656	-0.040000542
ZNF396	ENSG00000186496.10	0.344914754	2.116951973	1.460533646
CNKSR3	ENSG00000153721.18	2.555391363	1.002243504	2.625936768
EEF1A1P13	ENSG00000250182.3	1.285072288	0.262206591	0.450884213
WWTR1-AS1	ENSG00000241313.2	0.571665162	1.327065239	0.535624807
AL596202.1	ENSG00000235381.1	3.188078493	-0.142873202	-0.180013737
CATSPER2	ENSG00000166762.16	0.22332002	1.989551664	2.03224877
ULK2	ENSG00000083290.19	0.925350236	1.238032243	4.312049462
P2RX4	ENSG00000135124.14	0.383046514	4.957452771	4.294031021
LINC01311	ENSG00000260924.2	0.662452173	0.866334129	0.331325176
HIST1H4H	ENSG00000158406.4	1.029084615	3.451202178	0.140040351
AC115618.1	ENSG00000204620.3	1.427104564	0.193363816	0.411270165
NOTCH1	ENSG00000148400.9	3.776146057	3.740986446	2.849018612
ZNF137P	ENSG00000123870.10	0.569361045	1.452519089	1.816277719
GREB1	ENSG00000196208.13	0.148888656	6.547414638	6.366254946
BHLHB9	ENSG00000198908.11	0.365511767	0.391246171	0.030877798
AC139795.2	ENSG00000247679.2	0.566341069	0.875571966	-0.138143179
LMNTD2	ENSG00000185522.8	0.167464422	2.364765414	3.064424288
AC120114.1	ENSG00000247735.2	1.788529167	0.637550424	-0.177834122
CCDC7	ENSG00000216937.13	0.743353015	0.281429797	2.044538111
TTPA	ENSG00000137561.4	1.374112043	1.349984857	-0.344916629
GAPDHP1	ENSG00000228232.1	1.339025111	0.430456162	0.455226513
GJB1	ENSG00000169562.9	4.844220006	6.172854491	8.613329418
RASEF	ENSG00000165105.9	-0.328014692	5.10495135	5.603206746
NPIPB14P	ENSG00000226232.8	2.055105874	1.610562448	3.548606817
AC139795.1	ENSG00000246596.6	2.353259384	1.745815211	2.470235564
SYN3	ENSG00000185666.14	0.793892286	2.209045614	-0.056667275
ZSCAN12	ENSG00000158691.14	1.469812524	2.399420416	2.777049803
AC138409.2	ENSG00000215158.9	1.302083712	1.251181232	1.630425933
YJEFN3	ENSG00000250067.11	4.295869257	2.754331198	1.454682727

RCN3	ENSG00000142552.7	2.988973599	6.828297332	0.01570964
PRSS53	ENSG00000151006.7	2.293689276	1.70047846	0.92586264
SNORD30	ENSG00000277846.1	3.504796889	2.254342296	1.040868906
VDAC1P1	ENSG00000073905.8	0.142249232	-0.146436703	0.009176874
MESP1	ENSG00000166823.5	2.067666543	-0.013123228	2.05511706
AC034236.2	ENSG00000271918.1	0.907487774	-0.224671607	1.099531789
PCSK6	ENSG00000140479.16	1.537637386	5.197740085	8.501027744
RPS7P11	ENSG00000213326.4	1.277871836	0.894527293	-0.106669427
ADAM22	ENSG00000008277.14	3.022349589	0.085373206	2.106838741
SNORD38A	ENSG00000202031.1	3.157740496	2.887343339	0.853729439
UBBP4	ENSG00000263563.5	2.991492743	0.874392845	2.401628672
PRR13P5	ENSG00000187534.6	1.037621615	1.084781064	0.63719944
AC007405.3	ENSG00000239467.5	0.03909436	2.764895528	4.76037756
LIFR	ENSG00000113594.9	4.215543821	2.072621328	-0.263858411
MAP3K5	ENSG00000197442.9	1.741304536	2.764682543	3.66131969
SPEG	ENSG00000072195.14	2.58719357	3.307032296	-0.245260779
ZNF737	ENSG00000237440.8	3.072284013	2.907241904	1.420335699
DNAJB5	ENSG00000137094.14	1.909728217	1.835686425	0.116324686
FAM218A	ENSG00000250486.3	0.669337202	-0.401951455	0.117660767
AC018755.3	ENSG00000269388.1	-0.081878309	1.391058522	1.466332194
CCDC157	ENSG00000187860.10	1.481549841	0.22641936	1.64310037
AP003119.3	ENSG00000261578.1	-0.149226484	-0.076919973	3.135456388
AF274858.3	ENSG00000260081.1	0.433766228	1.628138194	0.614340484
FRAT1	ENSG00000165879.8	3.21454079	0.766989616	1.345987769
SNORA26	ENSG00000212588.1	3.543140054	0.426567054	2.393299158
TMC7	ENSG00000170537.12	2.279854064	0.958016115	0.014022248
ICA1	ENSG00000003147.17	3.419028695	2.901523927	5.057292807
HMGN2P5	ENSG00000234664.1	3.32208252	1.622482457	-0.103987195
RAC1P2	ENSG00000249936.3	0.854624756	0.520324071	0.142083206
LINC00702	ENSG00000233117.2	-0.011265743	1.953588965	0.51109824
AC012640.2	ENSG00000259802.1	1.971923471	1.3948273	0.014975227
MSANTD3-TM	ENSG00000251349.3	1.79235648	1.681239098	0.323766665
AK3P3	ENSG00000230042.1	0.113312854	1.710620214	1.652189033
KCTD21-AS1	ENSG00000246174.7	2.907106138	0.648647596	2.546033973
AC138866.1	ENSG00000253816.3	1.965525861	1.041029757	1.666586575
AC090739.1	ENSG00000254165.1	0.018622407	0.679889052	1.355457724
RTN4R	ENSG00000040608.13	1.2135887	4.256141789	3.567116156
AC090825.1	ENSG00000259363.5	1.594708588	1.579195479	2.951106533
ERMAP	ENSG00000164010.13	1.41876581	1.211688561	-0.069110989
PCDHGA4	ENSG00000262576.2	2.208628029	1.140142496	-0.212326228
U2AF1	ENSG00000160201.11	0.68475582	1.670822607	0.806297495
CCT6P3	ENSG00000234585.6	0.553425863	1.780761479	0.04613004
AFF3	ENSG00000144218.18	0.188548384	3.630446993	4.477311348
AL121658.1	ENSG00000272716.1	1.919207619	0.699073238	-0.323717219
KIAA1217	ENSG00000120549.17	5.23086038	-0.279645335	3.540110643
C5orf56	ENSG00000197536.11	0.447227595	1.007494454	2.188574145

FRMD6-AS1	ENSG00000273888.1	1.551251883	1.07095481	0.012647408
AL136295.7	ENSG00000278784.1	1.18423501	0.395928776	0.335093015
SAMD15	ENSG00000100583.4	2.414105098	0.232205042	0.237742581
ZNF44	ENSG00000197857.13	3.750739821	1.3569625	3.127491093
FZD2	ENSG00000180340.6	3.967964067	3.102672605	-0.034342275
AL034549.1	ENSG00000275784.1	0.378232615	0.60538648	-0.108105871
ANG	ENSG00000214274.9	-0.230382309	1.557048708	1.749385726
KLF4	ENSG00000136826.14	5.12782294	1.439984144	0.915748323
ID4	ENSG00000172201.11	3.196299575	2.285785242	6.287604735
USP27X-AS1	ENSG00000234390.4	-0.288685625	0.283609214	0.888801659
MIR762HG	ENSG00000260083.1	1.481155633	0.109742492	0.052962086
REC8	ENSG00000100918.12	0.193127772	0.0228018	1.8515684
KDM4A-AS1	ENSG00000236200.5	1.971140507	1.14092588	0.052516275
C5	ENSG00000106804.7	-0.144506966	-0.13154895	0.091764276
RUNX2	ENSG00000124813.20	1.944201846	1.26385189	3.483531932
MIR17HG	ENSG00000215417.12	2.43108605	1.694324743	0.484764147
FGFBP2	ENSG00000137441.7	2.746633055	2.224495611	8.438837861
AC107027.3	ENSG00000261167.1	0.197380203	0.532845799	1.053057776
EIF2S2P4	ENSG00000128692.8	-0.027170492	0.123749615	1.015577561
AC133065.5	ENSG00000275673.1	0.321021991	0.598106679	2.315851474
AC026250.1	ENSG00000245522.2	1.430724084	0.865910011	0.748642219
AC003102.1	ENSG00000260793.2	1.384673379	1.271425455	0.612401194
CD274	ENSG00000120217.13	1.871946535	1.020137359	4.166072764
AC004908.2	ENSG00000272812.1	0.676541974	-0.090879661	1.012516898
AC004477.1	ENSG00000263412.1	0.513238407	0.598283209	1.087442757
CASTOR1	ENSG00000239282.7	1.011388539	2.34994531	2.193605671
MIR1254-1	ENSG00000221184.1	1.301833422	0.894552417	1.084275585
NBPF10	ENSG00000271425.7	0.83140126	0.824521643	-0.451794297
HOXD1	ENSG00000128645.14	-0.194507326	2.134415279	1.468465414
C15orf52	ENSG00000188549.12	4.647405904	4.814307783	0.113465658
ZC3H6	ENSG00000188177.13	0.169183138	2.312824402	3.095540178
TSSK3	ENSG00000162526.6	1.126983388	0.397072602	0.162071137
C10orf35	ENSG00000171224.8	1.68359148	3.430213703	-0.353131998
LHPP	ENSG00000107902.13	2.306491908	2.315606294	2.409553902
SYNC	ENSG00000162520.14	1.365888963	3.919474035	1.658245356
AC004816.1	ENSG00000259153.1	2.355318507	1.154056044	0.345461597
CLDN1	ENSG00000163347.5	0.174361826	0.48937745	-0.548955762
S100A1	ENSG00000160678.11	8.486485392	7.184752905	5.590743525
EML2-AS1	ENSG00000267757.4	3.762975696	1.528141141	-0.069558217
AC097468.3	ENSG00000272644.1	1.745104719	1.424024476	0.115070477
FRMD3	ENSG00000172159.15	4.833544019	4.264956546	3.081183172
PVRIG2P	ENSG00000235333.3	2.365142495	3.519380234	3.542521466
Z82243.1	ENSG00000273243.1	1.295266442	1.894769896	1.635299558
FTH1P23	ENSG00000242960.1	1.348422558	1.03045639	0.077323895
PCOTH	ENSG00000205861.11	1.007523902	2.259485371	-0.12750655
CCDC191	ENSG00000163617.10	-0.157538136	0.04830854	2.18484464

FLRT3	ENSG00000125848.9	5.20731382	1.264635776	-0.162596153
AL031727.1	ENSG00000226396.1	0.274811148	1.764956257	2.440094983
LINC01355	ENSG00000261326.2	0.317101887	0.956148277	-0.559706433
RPL7AP6	ENSG00000242071.3	1.908062304	1.884825613	-0.31269517
MAN1B1-AS1	ENSG00000268996.3	1.101138659	1.368295613	-0.449552857
AL162595.1	ENSG00000177788.5	2.313813891	0.623786637	1.282321083
YTHDF3-AS1	ENSG00000270673.1	0.362212496	0.26723995	-0.000629012
CPN1	ENSG00000120054.11	4.319893789	4.229305988	4.812678256
PPM1N	ENSG00000213889.10	1.555073824	2.074766362	1.248524506
IFITM2	ENSG00000185201.16	5.002955025	2.437232211	-0.306387637
ZSCAN31	ENSG00000235109.7	-0.097336615	0.136713113	0.635010453
AC022007.1	ENSG00000206567.9	0.653897471	1.873577626	1.910304961
ZNF320	ENSG00000182986.12	4.692219978	4.00485474	4.870757687
AC060780.3	ENSG00000267595.1	1.851040738	1.927002535	2.57689295
FCER1G	ENSG00000158869.10	1.046594923	3.606972497	5.06051557
AL928654.5	ENSG00000279495.1	-0.379658691	1.265639679	1.397296218
AC010186.3	ENSG00000257027.1	-0.317197205	2.306955322	2.547720867
AC098820.1	ENSG00000232485.2	-0.314598704	0.94177796	-0.160982236
RDM1	ENSG00000278023.5	1.884801207	1.817057519	2.124121868
Y_RNA	ENSG00000222881.1	1.238519816	0.78717112	-0.208748975
AC087499.1	ENSG00000188013.6	1.435264989	1.769466542	3.028813679
LINC01547	ENSG00000183250.11	2.308991729	0.482587298	0.016713753
CD302	ENSG00000241399.6	3.543868274	3.628655216	4.867385108
AC084125.2	ENSG00000255182.2	1.576000937	2.10218503	0.147214922
MT-TL2	ENSG00000210191.1	1.587827843	2.449860056	0.445951231
PCDH1	ENSG00000156453.13	4.670325649	1.640312659	-0.576836332
SCNN1D	ENSG00000162572.20	0.074158486	1.715828733	-0.151728695
GBP2	ENSG00000162645.12	5.885151846	0.379591929	5.395718687
GRAMD1C	ENSG00000178075.19	1.906307709	2.247968864	2.035894054
GHET1	ENSG00000281189.1	0.536722865	0.685992329	0.527116889
RHPN1	ENSG00000158106.13	4.044505769	2.985545499	2.404489168
AC124242.1	ENSG00000245281.6	1.156592544	0.002961629	2.188442022
LRRK2	ENSG00000188906.14	4.181029252	3.096719302	-0.564987342
MTND4LP30	ENSG00000198868.3	0.533584891	1.202201432	1.466351805
CASC10	ENSG00000204682.5	2.250900573	1.651394028	0.89346407
AC079250.1	ENSG00000230979.3	1.765120482	1.424122486	0.313644099
STON2	ENSG00000140022.9	1.193843215	2.408021468	1.770203859
EVI2A	ENSG00000126860.11	1.745788052	-0.191791194	3.964370848
AP002748.3	ENSG00000255517.6	2.485920393	2.19196121	2.21546247
AC004241.3	ENSG00000276390.1	2.278486119	0.718934934	0.022886753
AL133215.2	ENSG00000273162.1	1.879318737	-0.162555439	0.18054707
AC006058.3	ENSG00000272121.1	0.832429111	0.693913698	1.038176753
KLHL29	ENSG00000119771.14	2.77994416	3.876938136	-0.498550852
ARF4-AS1	ENSG00000272146.5	2.143377311	1.301462713	0.499529747
NAGS	ENSG00000161653.10	-0.375943321	1.140121633	2.195491414
MPZ	ENSG00000158887.15	4.140380478	1.640206399	-0.077570577

AC023043.4	ENSG00000274849.1	4.404932421	3.774735291	2.677249994
AC087500.1	ENSG00000261879.5	0.821771609	-0.09881933	0.033866105
SLC29A3	ENSG00000198246.7	2.371475023	2.46026383	-0.20268624
SNORD6	ENSG00000202314.1	2.334971265	0.491077389	2.547735006
DGCR11	ENSG00000273311.1	-0.655534519	1.822656648	0.687166835
AC005546.1	ENSG00000266897.1	0.581172079	-0.10830161	-0.059865102
AP001330.5	ENSG00000271882.1	-0.113045387	1.534846503	0.835294795
HEY2	ENSG00000135547.8	2.077448108	2.353464022	3.090640257
C9orf116	ENSG00000160345.12	3.10804112	3.126941977	0.965644774
AL158206.1	ENSG00000260912.1	1.387213432	0.801757735	1.176068406
MDK	ENSG00000110492.15	5.644512692	5.950362063	8.020566009
NPPC	ENSG00000163273.3	1.635509205	1.963446518	3.632773642
PCDHB14	ENSG00000120327.6	0.942504935	-0.478421169	1.28036533
LINC00115	ENSG00000225880.5	1.236799698	1.464353261	1.194278035
AL161891.1	ENSG00000276672.1	2.882735201	0.902188398	-0.429829314
RPS7P3	ENSG00000231940.1	1.286536285	0.385669994	-0.404076747
AL512353.1	ENSG00000228192.7	3.262128065	2.31551971	-0.165112854
ZNF321P	ENSG00000213801.4	0.721860417	0.816089473	1.001505822
PKDCC	ENSG00000162878.12	2.871753573	1.999340638	0.950925552
PPM1H	ENSG00000111110.11	2.15371936	4.840313783	5.201505125
SLC1A1	ENSG00000106688.11	5.1454223	2.572643908	2.22347566
KPNA5	ENSG00000196911.10	1.076800895	0.762482401	1.339971852
snoR1	ENSG00000281010.1	4.564421257	3.103853448	1.858661692
RANP1	ENSG00000236603.2	1.123305089	0.302005217	2.043016883
PDE4A	ENSG00000065989.15	4.569668003	3.189748837	3.656804258
IL17RD	ENSG00000144730.17	0.367503644	1.622809946	5.872060277
FAM78A	ENSG00000126882.12	4.489946667	1.454550627	-0.648856736
AL133517.1	ENSG00000232450.1	0.364848107	0.739967361	-0.445354955
LYPD1	ENSG00000150551.10	5.59880969	5.040599927	-0.26527045
SNORD20	ENSG00000207280.1	1.169965749	1.794939045	-0.391675342
GDPD3	ENSG00000102886.14	-0.116552823	-0.53195466	1.817096419
TSTD3	ENSG00000228439.5	1.617895603	1.15994101	0.307334468
DLL3	ENSG00000090932.10	2.039466559	7.063263555	3.114310458
AL359504.2	ENSG00000271576.1	0.002022606	0.562707201	0.180341639
SHROOM1	ENSG00000164403.14	3.360392229	2.649622532	3.658604113
GKAP1	ENSG00000165113.12	1.85565486	1.979942617	2.010274354
AC090198.1	ENSG00000253106.1	0.683728719	-0.406857569	1.197586835
AL357079.1	ENSG00000237950.1	0.166528914	-0.066866378	1.669704506
AC008038.1	ENSG00000283041.1	1.31214503	0.939350652	1.318314734
AC006504.1	ENSG00000261770.1	0.112314801	0.53571889	1.528156837
DUSP8P5	ENSG00000235316.1	0.776933063	-0.146718638	0.602829959
LYPD6	ENSG00000187123.14	-0.454950248	2.956539233	2.508340282
LINC01024	ENSG00000245146.6	0.930269725	-0.229789846	1.325570774
AC022098.1	ENSG00000267169.1	1.618931728	1.556072439	1.461524744
TUBB4A	ENSG00000104833.11	2.99509022	6.465717399	5.717593095
AL136981.2	ENSG00000275318.1	1.879878178	2.245473587	0.081603164

RBKS	ENSG00000171174.13	-0.188744266	2.580928508	0.204522348
MMAA	ENSG00000151611.13	0.90899318	1.385367208	0.7364034
BATF3	ENSG00000123685.8	2.131171517	2.303170809	1.480214408
AC008555.8	ENSG00000280106.1	-0.101029622	0.345500428	0.292247774
ZNF22	ENSG00000165512.4	4.727671778	1.165991092	4.46767216
SMIM25	ENSG00000224397.5	-0.043288973	4.636781785	4.525047646
SEMA4G	ENSG00000095539.15	2.083474617	3.172654838	2.99281155
TBX6	ENSG00000149922.10	1.452261056	1.148338144	0.78040898
ZNF470	ENSG00000197016.11	1.605886406	1.380159535	0.450134206
NRROS	ENSG00000174004.5	2.213837402	2.728010003	6.072198589
HMG2N2P6	ENSG00000257179.1	2.021475889	-0.191759143	1.190862655
AC073548.1	ENSG00000279861.1	-0.225511998	-0.074730516	0.561467683
SEMA6C	ENSG00000143434.15	1.567787476	2.775595101	1.480617339
AC002116.2	ENSG00000267698.1	1.45696773	0.491623487	-0.25028256
SLC7A5P2	ENSG00000258186.2	0.443351191	1.970977566	2.190556605
SLC9A5	ENSG00000135740.16	2.892953769	1.372479336	1.888330558
GOLGA6L5P	ENSG00000230373.8	-0.125324387	0.706666512	0.452897857
YBX1P2	ENSG00000231167.3	0.965226333	-0.193180824	0.086070058
TCEANC	ENSG00000176896.8	0.62011341	-0.167719054	1.703888304
AC005840.3	ENSG00000256433.2	2.557000586	1.177542796	1.48685342
AC010327.5	ENSG00000276570.1	-0.436678749	0.071486739	0.590416168
AC093297.2	ENSG00000251141.5	4.280106437	3.272536909	3.557198152
TTC3P1	ENSG00000215105.4	0.21681268	0.890107958	-0.50196915
AF001548.2	ENSG00000263335.1	2.073586432	-0.515534256	2.30328965
CBX3P2	ENSG00000266405.3	1.605904007	-0.122817216	0.065953949
HES4	ENSG00000188290.10	0.249875855	4.192872401	2.544360983
LINC00894	ENSG00000235703.5	0.7783471	0.827391944	0.576372262
AC079944.2	ENSG00000241889.1	0.30820452	2.130034572	1.785220417
PPM1E	ENSG00000175175.5	2.465175953	2.536122579	3.34170288
AL117379.1	ENSG00000273759.1	0.751585316	1.091422037	0.98615706
DDR2	ENSG00000162733.16	6.327672665	3.905401315	5.177056409
KIAA0513	ENSG00000135709.12	1.906980196	1.454059872	1.71648831
SEC14L1P1	ENSG00000213693.4	1.415938817	1.524582358	2.628698107
DTX3	ENSG00000178498.15	4.388213225	2.453874267	6.098862528
ARPC4-TTLL3	ENSG00000250151.9	0.636917402	1.881321709	1.371767241
AL591845.1	ENSG00000116883.8	1.0651242	1.376846916	0.518261388
GATA2	ENSG00000179348.11	3.984752383	2.631363315	-0.582823172
FGFR4	ENSG00000160867.14	3.152619322	4.598513633	-0.744622106
GNRHR2	ENSG00000211451.12	0.71231165	0.533635658	0.447433852
AL117336.3	ENSG00000271335.5	2.939997761	1.178323657	1.217457672
PDE10A	ENSG00000112541.13	2.012430065	3.246350516	0.489171307
TRAM1L1	ENSG00000174599.5	2.273941923	2.097476451	1.264718873
CD27-AS1	ENSG00000215039.6	4.136523654	-0.250179967	3.939528651
HCG27	ENSG00000206344.7	0.495170344	-0.181195097	-0.260700352
SDAD1P1	ENSG00000228451.3	0.940565964	0.609368255	1.129944736
IL6R	ENSG00000160712.12	4.611169971	5.178826534	5.621976892

PRRG4	ENSG00000135378.3	1.552997413	2.865593244	2.919950262
AC009486.1	ENSG00000261117.1	0.308471505	-0.314265349	1.173274601
FNDC4	ENSG00000115226.9	1.678119414	2.060091389	0.890684222
AC099789.1	ENSG00000225475.1	2.417446076	0.703648794	0.785614118
AL590094.1	ENSG00000233593.8	-0.132649877	2.914292435	2.48675823
AC007878.1	ENSG00000281195.1	-0.520328022	0.375995885	-0.07811672
MAGIX	ENSG00000269313.5	0.605603611	1.100198225	0.447136267
ZNF620	ENSG00000177842.11	0.853176439	2.899853951	2.684625749
RNU6-1016P	ENSG00000252498.1	0.695242712	1.576939081	1.099302549
MIR3125	ENSG00000264370.1	0.227864312	0.408466116	2.351554012
AC244197.3	ENSG00000241489.7	0.233860528	0.954395606	0.71640221
MAML3	ENSG00000196782.12	4.416481689	1.484121066	1.907612241
AL390719.1	ENSG00000217801.9	2.414098986	4.251174996	5.284531527
AC135050.5	ENSG00000262766.1	0.048842631	0.727794547	0.440254804
AC022364.1	ENSG00000247934.4	0.708256105	0.401179272	0.41313837
CCDC103	ENSG00000167131.16	0.918909358	1.442481946	0.734714367
ZNF528-AS1	ENSG00000269834.5	-0.334129088	2.413194603	3.454188264
AC004540.1	ENSG00000214870.8	1.348426629	1.75940935	1.695253187
AL355472.1	ENSG00000231663.1	1.535090267	-0.268347784	1.117912078
METTL12	ENSG00000214756.7	4.097509224	0.350693721	1.305720888
AC011603.2	ENSG00000258017.1	1.871518616	1.129699993	-0.055726788
AC099336.2	ENSG00000236439.4	1.803368303	1.120173207	0.72802817
AC091133.1	ENSG00000230532.1	-0.455482032	0.276062318	0.07434827
AC008536.1	ENSG00000270067.1	1.02611401	0.005128551	2.11813322
AC021092.1	ENSG00000186019.10	1.693874978	-0.429079296	-0.143650547
AC097103.2	ENSG00000248932.5	1.30092565	0.066938164	1.399710657
ADAMTS17	ENSG00000140470.13	0.466131361	2.235383593	3.706830608
AC118344.2	ENSG00000279759.1	0.051841871	0.304846162	0.146213636
BISPR	ENSG00000282851.1	1.169805304	-0.295987288	1.245475933
RPS6KL1	ENSG00000198208.11	2.730848948	1.054401568	0.983929526
AC009404.1	ENSG00000236255.1	0.288385043	1.631470963	0.801610942
ZNF487	ENSG00000243660.9	0.429048785	0.261367399	1.439742343
PTMAP5	ENSG00000214182.5	1.647409705	1.093967374	-0.135386835
AOC2	ENSG00000131480.8	1.138200511	3.192676448	0.064904435
AC040970.1	ENSG00000253210.1	-0.265694386	1.582443129	2.940684591
AL358472.3	ENSG00000273026.1	0.172972051	1.092023475	-0.458192998
AL451085.2	ENSG00000271380.1	1.499623336	1.285610679	0.328066811
ADM	ENSG00000148926.9	3.323704046	4.934348119	6.226946623
FREM2	ENSG00000150893.10	2.88568811	-0.603462613	2.985571692
AC125437.1	ENSG00000267655.1	0.348782141	1.333778544	2.975687703
SNORD12B	ENSG00000222365.1	3.509902973	1.612844114	1.172634729
GSTO2	ENSG00000065621.14	0.858190626	1.493763699	-0.519672739
FRY	ENSG00000073910.20	0.128061828	1.982114877	2.966014698
VWA5A	ENSG00000110002.15	5.207591466	2.432648917	5.105607463
PDZD7	ENSG00000186862.17	3.058313455	1.512958501	1.402916837
LPIN3	ENSG00000132793.11	1.344722732	4.65320158	-0.722969804

LINC00910	ENSG00000188825.13	0.416528266	1.577490466	2.269146979
DOCK11	ENSG00000147251.15	3.270591492	2.662143318	3.795227802
AC104118.1	ENSG00000271862.1	1.0903279	-0.774682312	-0.22304696
CNFN	ENSG00000105427.9	1.326684716	1.834925467	0.189056039
AC018809.1	ENSG00000269894.1	-0.32691351	0.612021624	-0.344892554
MIR6859-1	ENSG00000278267.1	1.236674493	3.197083872	4.193807904
ADAMTS6	ENSG00000049192.14	-0.706480478	-0.005254605	-0.350050054
RN7SL3	ENSG00000278771.1	4.028402618	2.964585645	3.498317909
PRKCA	ENSG00000154229.11	4.165043597	-0.2843047	3.692374787
AC010435.1	ENSG00000279557.1	0.18072287	0.508651019	0.939463561
CHKB-CPT1B	ENSG00000254413.8	2.440577814	2.910242585	3.485166529
AC023509.4	ENSG00000270175.1	1.968852263	0.750669673	-0.301117426
PPIAP31	ENSG00000217094.2	1.113041758	1.042561759	-0.268229295
MIR4653	ENSG00000264425.1	1.524813784	2.70261617	0.715908468
AC004520.1	ENSG00000273237.1	1.955306904	1.379925182	-0.033952587
SPCS2P4	ENSG00000228589.3	0.265321899	0.234491189	-0.074792992
DFNB59	ENSG00000204311.12	-0.467148952	1.716539038	0.883590603
ZNF165	ENSG00000197279.3	0.188929419	0.484369339	-0.42732835
AC023509.3	ENSG00000267281.2	0.10726244	1.135502518	-0.488234388
EPHX2	ENSG00000120915.13	-0.607669107	2.162648644	1.792816319
LINC00685	ENSG00000226179.6	1.24493506	1.14257038	0.561826642
AC012531.1	ENSG00000260597.1	1.442301328	0.239750828	-0.632499292
AC126755.2	ENSG00000233024.7	1.748908918	0.928410191	1.988506237
CBLN3	ENSG00000139899.10	0.009877833	0.093589415	0.681493914
AL121832.3	ENSG00000275437.1	-0.168331516	-0.164090668	0.508120409
AC105036.3	ENSG00000260269.5	1.818803406	1.213382202	1.186642941
AC025594.2	ENSG00000272899.3	0.576129204	-0.580242053	-0.3755424
MTMR9LP	ENSG00000220785.7	-0.408978756	3.09142447	0.260816435
AK9	ENSG00000155085.15	-0.125252442	2.450358283	2.648647548
AC004877.2	ENSG00000280149.1	-0.871932259	0.65918241	2.720757404
CAVIN4	ENSG00000170681.6	0.199753154	1.741049856	-0.01212
AP003084.1	ENSG00000254783.1	1.625149951	0.143209729	1.126229483
GAREM1	ENSG00000141441.15	3.5453317	2.87054708	0.678167542
SNORD19	ENSG00000222345.1	1.847264856	1.438587875	1.853813907
AC025171.2	ENSG00000215068.7	1.597798938	0.994059245	-0.025865785
DCST1-AS1	ENSG00000232093.1	2.262741942	0.405229954	-0.809278749
KIAA1614-AS1	ENSG00000232586.1	1.949359214	1.874913046	0.703308517
SNORD14E	ENSG00000200879.1	3.127982155	1.212636636	0.125841667
CLDN23	ENSG00000253958.1	1.357106006	0.784052034	1.381332874
SLC7A7	ENSG00000155465.18	-0.261886921	1.502905289	1.609357167
CXCL16	ENSG00000161921.14	3.070637231	1.848549588	2.857030212
RPL10P9	ENSG00000233913.7	1.149198526	-0.235565336	0.384890696
ATP8B3	ENSG00000130270.16	0.366410633	2.10510107	0.03537086
TRPC1	ENSG00000144935.14	2.278052696	3.081561226	2.543817389
ST7-AS1	ENSG00000227199.1	-0.359835602	-0.140359089	2.135593791
PKN3	ENSG00000160447.6	3.918006805	3.362685648	2.763167901

PLCD4	ENSG00000115556.13	0.703052404	2.130237793	-0.616332179
AC078814.1	ENSG00000139239.7	0.663843894	0.916937442	-0.568161929
SCX	ENSG00000260428.2	1.100814388	2.68518549	0.460525648
EIF3CL	ENSG00000205609.12	0.968410232	0.281189083	0.428019229
IL12A	ENSG00000168811.6	0.628652769	1.16889549	-0.228678779
SLC9A9	ENSG00000181804.14	0.582661912	-0.204306691	2.807043251
RFTN2	ENSG00000162944.10	0.621360418	1.457909096	-0.232336035
N4BP2L2-IT2	ENSG00000281026.1	0.142464957	-0.404236594	0.234251823
LINC00623	ENSG00000226067.6	5.291932753	3.51514799	3.491468963
EIF5AP4	ENSG00000234743.1	1.287470478	-0.610859123	-0.477124719
KCNG3	ENSG00000171126.7	-0.726273075	3.17713166	1.008581727
HSD17B8	ENSG00000204228.3	2.397150396	3.240625529	3.204901949
SHROOM4	ENSG00000158352.15	3.368531868	2.314619951	1.726727325
AC231981.1	ENSG00000235078.1	0.308263968	-0.399311462	0.383037048
PRDM11	ENSG00000019485.13	2.247021816	2.093412965	-0.319924857
RPS19P3	ENSG00000240463.1	-0.659834356	0.722312247	0.309900079
AC005288.1	ENSG00000266469.1	1.197913621	1.245741256	0.534105324
AC004982.2	ENSG00000272894.5	-0.155062484	1.163122904	1.538386865
GAS1	ENSG00000180447.6	3.555764529	4.266501638	-0.856878586
PCDHGA1	ENSG00000204956.5	2.805838724	-0.556868432	2.318093089
GPR137C	ENSG00000180998.11	-0.063677193	-0.564302378	0.881543469
DCLK2	ENSG00000170390.15	0.28493223	-0.590648152	2.429198077
AC011978.2	ENSG00000261542.1	0.06550526	0.394886695	-0.719835087
NDUFB2-AS1	ENSG00000240889.1	0.798153197	1.449408321	-0.103930708
IRAK2	ENSG00000134070.4	1.751161058	0.80071433	0.861982064
ENOX2	ENSG00000165675.16	4.563810995	5.074591852	4.677247607
AC118344.1	ENSG00000205041.1	0.865375956	0.989400759	2.237005635
HECTD2	ENSG00000165338.16	2.631433515	2.632692445	3.314365725
LRRC56	ENSG00000161328.10	1.978645058	1.307686895	0.161454565
CREB5	ENSG00000146592.16	0.137006816	5.406678285	3.605149649
RIBC1	ENSG00000158423.16	1.435376144	0.095313717	0.625911505
C7orf57	ENSG00000164746.13	-0.096490322	-0.607242477	0.27796619
LRP5L	ENSG00000100068.11	-0.806860279	1.978458011	2.067613205
LINC01144	ENSG00000281912.1	-0.211278823	-0.063382072	-0.289326354
AC090587.2	ENSG00000229368.1	-0.563391107	0.666964291	1.859570104
MIR6848	ENSG00000284229.1	-0.33069602	0.280015382	-0.473380808
PCDH18	ENSG00000189184.11	2.673800831	0.152153008	-0.591091004
SLC25A25-AS	ENSG00000234771.3	1.088704575	1.009626433	0.716219453
KDM8	ENSG00000155666.11	2.089551473	-0.432116113	0.114703389
AL365203.3	ENSG00000273038.2	1.016462123	0.955690569	0.308009023
AC104447.1	ENSG00000280173.1	1.383788507	0.77842384	-0.948814554
GDPD1	ENSG00000153982.10	3.823909848	3.965914916	3.929203101
CGN	ENSG00000143375.14	1.291566616	3.099437367	2.651579035
TRIM46	ENSG00000163462.17	2.671551571	3.162579491	-0.113989442
AC009961.1	ENSG00000226266.6	0.500971943	0.133435337	1.308351826
CD22	ENSG00000012124.16	3.01904215	2.495303447	5.73678587

AC022916.1	ENSG00000266947.1	0.69304535	0.403788538	0.451473041
WASH5P	ENSG00000282458.1	-0.026404542	1.112967273	2.515750548
HOXA3	ENSG00000105997.22	3.95037936	3.363609326	3.409742288
VILL	ENSG00000136059.14	0.482613389	-0.500091462	2.648328543
SATB2-AS1	ENSG00000225953.2	0.006304818	0.532977458	1.275338362
AC099778.1	ENSG00000260236.1	0.881265508	1.389764624	-0.662459098
TMC3-AS1	ENSG00000259343.6	-0.483271229	1.985928684	0.779314221
L1CAM	ENSG00000198910.12	4.461571546	8.854151667	-0.17163405
AL355001.2	ENSG00000275964.1	2.80097672	1.375435277	1.361917985
MIR4737	ENSG00000264049.1	3.286595379	1.608557616	2.96376763
AC138866.2	ENSG00000254701.3	1.771465455	0.811779065	0.776218428
TIAF1	ENSG00000221995.5	0.217142222	1.019466149	1.587926499
AC011477.2	ENSG00000267481.1	1.013321811	1.005651779	0.404848419
VAV3	ENSG00000134215.15	0.741967984	-0.757821288	2.602474709
C20orf204	ENSG00000196421.8	1.484544779	0.749658334	0.048863647
AC015912.3	ENSG00000274213.1	2.185005934	1.94775839	-0.341277955
AC005519.2	ENSG00000258559.2	0.015743546	-0.038904176	1.40232429
APOL1	ENSG00000100342.20	1.02844692	-0.696639965	1.343443894
CPEB3	ENSG00000107864.14	-0.034544894	0.169497517	0.755763923
BMS1P1	ENSG00000204177.10	0.429235936	-0.167987446	0.075769043
RBM26-AS1	ENSG00000227354.6	1.144548718	-0.040204231	0.371525517
INTS6-AS1	ENSG00000236778.7	1.04016788	-0.115123428	0.763261125
GOLGA6L9	ENSG00000197978.9	0.58186095	0.513232702	2.228125626
AL606834.3	ENSG00000270062.1	-0.232567553	1.670261678	2.183535671
AL136018.1	ENSG00000258657.5	3.725070475	3.33981195	1.769046576
C1QL1	ENSG00000131094.3	2.765186093	-0.182445681	-0.629007527
DTX2P1-UPK3	ENSG00000265479.6	1.163178286	1.443596082	0.329639172
PCF11-AS1	ENSG00000269939.1	1.562020459	0.713461092	0.32030551
PPT2-EGFL8	ENSG00000258388.7	1.850583213	2.272109055	2.401263939
PPP1R13L	ENSG00000104881.15	1.910459806	0.665413061	1.488513656
ABHD14A-AC	ENSG00000114786.16	2.347583782	1.71056007	-0.396142398
FGD6	ENSG00000180263.13	2.032639115	0.747121068	-0.436317787
CASZ1	ENSG00000130940.14	1.079133063	0.527095243	2.197440655
PLS3-AS1	ENSG00000271826.5	-0.466617325	1.174882739	-0.503612023
HIST1H2BN	ENSG00000233822.4	0.759807678	1.170087974	-0.371024379
BCYRN1	ENSG00000236824.2	1.638705678	3.600194038	-0.175548001
AC096677.1	ENSG00000224536.2	-0.088890933	-0.657655434	1.766997543
AC036214.2	ENSG00000272518.1	-0.131572215	1.905446111	2.221483379
MRPS31P5	ENSG00000243406.6	2.520401083	2.265739113	3.337209167
GRHL1	ENSG00000134317.17	1.015917085	1.356859899	2.05711253
AL139099.1	ENSG00000244270.1	0.230242333	-0.331900445	0.05642905
LPAR2	ENSG00000064547.13	2.646634888	3.78058223	2.776409956
HIST1H2AG	ENSG00000196787.3	-0.624431734	1.349500886	-0.62467209
AC004951.1	ENSG00000228434.1	0.139579712	0.175623989	-0.075520634
SNORD124	ENSG00000238793.1	0.281667066	0.898039309	2.215511734
ZNF429	ENSG00000197013.9	1.830090132	3.024432546	-0.189803668

LINC02246	ENSG00000281903.2	-0.008506619	-0.098982432	-0.56077945
PITPNM2	ENSG00000090975.12	3.925960934	1.786417138	4.469884136
AL136040.2	ENSG00000273783.1	0.4067947	-0.311911724	-0.069376665
ZXDA	ENSG00000198205.6	-0.577929128	-0.067504955	1.41924119
AC008915.2	ENSG00000260136.5	2.590330103	1.609994707	1.200971944
AC006213.4	ENSG00000277806.1	0.842391409	0.507773835	-0.683320084
C2orf27A	ENSG00000197927.12	1.447430242	1.825115902	-0.761619188
ACER2	ENSG00000177076.5	1.365791343	0.570152833	0.928949193
LINC01117	ENSG00000224577.1	-0.268464697	1.245896964	1.316773835
P2RY1	ENSG00000169860.6	2.080298902	1.791814221	-0.071426465
MYH14	ENSG00000105357.15	4.472042336	4.898629741	-0.133328898
AC135721.2	ENSG00000267681.1	1.231794745	1.623191795	3.825229583
APLF	ENSG00000169621.9	-0.995730486	1.829247638	1.620731789
RPL4P4	ENSG00000229638.1	0.416910249	0.103608665	0.275430787
KIF5C	ENSG00000168280.16	2.857582726	5.844643905	2.705834872
AC040977.1	ENSG00000262089.1	0.267940105	1.647653523	1.149447519
AL590666.2	ENSG00000229953.1	5.897972684	1.275010722	-0.580403604
MIF-AS1	ENSG00000218537.1	1.210403289	0.023609444	0.292718221
AL031985.3	ENSG00000260920.2	3.31190197	-0.159958534	-0.067074803
CSPG5	ENSG00000114646.9	0.558875269	0.020398202	0.757829892
PPFIBP2	ENSG00000166387.11	-0.972094837	4.349354152	4.26189132
AC023813.3	ENSG00000260052.1	0.137227639	-0.528121744	1.555299432
AC084125.4	ENSG00000265393.1	0.587859238	-0.894791401	0.215058302
OCLM	ENSG00000262180.1	0.593589345	-0.063167351	0.190612451
PCDHB5	ENSG00000113209.8	4.025359228	-0.055163432	2.05087131
MTCO2P2	ENSG00000267541.1	-0.291569817	0.232576627	0.723207272
AL022394.1	ENSG00000272407.1	1.345410213	0.324409934	2.360709546
LRRC37A2	ENSG00000238083.7	0.105844526	0.083025101	1.800073578
AC090616.6	ENSG00000266777.1	-0.102568808	1.285538075	1.440780694
ZNF404	ENSG00000176222.8	0.258436657	0.13717052	2.474029174
POU3F2	ENSG00000184486.9	4.870497532	2.347362306	-0.523310473
AC020917.4	ENSG00000280332.1	-0.09896084	1.692062498	0.028961733
GPR63	ENSG00000112218.8	-0.147108342	0.961073847	1.333625018
AGBL2	ENSG00000165923.15	0.178302862	0.916922387	1.547013898
CSPG4	ENSG00000173546.7	7.984866699	6.858087162	6.605470107
ADCY10P1	ENSG00000161912.17	-0.19860043	1.086023879	0.633215087
AC007000.1	ENSG00000213542.3	0.929065868	0.207301702	1.822763251
EYA1	ENSG00000104313.17	5.862672299	1.082147476	-0.979487291
AKNA	ENSG00000106948.16	2.522768327	2.516033266	3.829620303
MIR6783	ENSG00000278223.1	-0.227426998	0.531878092	-0.55863122
AC073415.1	ENSG00000227470.1	1.316928031	0.889291412	-0.406615444
PHYHIP	ENSG00000168490.13	2.128787261	0.769691384	-0.609995745
LAMA1	ENSG00000101680.14	-0.923038475	7.428976737	4.691454798
FCRLA	ENSG00000132185.16	5.174628307	5.692404333	-0.764798434
THBS1	ENSG00000137801.10	7.667230227	3.1985246	1.275883361
MIR6759	ENSG00000283621.1	1.314437733	1.107841976	3.591656776

AC009812.4	ENSG00000260317.1	0.155489789	-0.856357478	-0.874041316
MYADM	ENSG00000179820.15	6.504125467	4.8697648	-0.853568569
EEF1B2P3	ENSG00000232472.1	0.224442138	0.708490567	-0.726170158
TNKS2-AS1	ENSG00000228701.1	0.780044159	0.066444027	-0.174152575
N4BP2L1	ENSG00000139597.17	1.972694019	0.080257464	3.120388166
AC092115.3	ENSG00000262136.1	0.745502986	1.059665785	0.416427677
DNM3	ENSG00000197959.13	3.766932357	0.004227508	1.048433945
RASSF1-AS1	ENSG00000281358.1	-0.157610369	0.0807588	-1.052365167
SAMD13	ENSG00000203943.8	0.909595041	0.076459378	1.716830619
PLCB4	ENSG00000101333.16	2.432368711	4.372901323	5.648556598
B3GNT5	ENSG00000176597.11	4.175341477	2.971941171	2.113634863
HMGNI1P4	ENSG00000224040.1	0.57371601	-0.160683839	-0.391268734
AL031963.3	ENSG00000272277.1	0.957807244	0.164154548	0.008475733
RAB7B	ENSG00000276600.4	4.891734333	0.100423242	-0.77850442
CTSV	ENSG00000136943.10	-0.375541113	5.053411776	2.89749151
ZNF285	ENSG00000267508.5	0.176816453	0.4575148	-0.323086801
HOXD3	ENSG00000128652.11	0.325790492	0.862353923	2.403527365
PKD1P1	ENSG00000244257.5	-0.284783923	-0.313779607	-0.60253876
ZNF117	ENSG00000152926.14	1.150716993	0.092359904	0.826078134
FAM27C	ENSG00000154537.4	1.463752203	0.121662832	1.038284833
C12orf45	ENSG00000151131.10	2.951934528	1.725944023	-0.264861932
AC098934.1	ENSG00000214796.8	2.923749888	1.164274277	-0.554534411
FZD6	ENSG00000164930.11	5.59982844	5.846634311	6.115905073
AC104958.2	ENSG00000272502.1	4.643289426	0.428976749	4.04310143
AP001033.2	ENSG00000273284.1	0.023109149	2.184693395	1.836120267
AC098934.2	ENSG00000234996.4	1.024422256	0.496468656	-0.811973562
DOCK9-AS2	ENSG00000260992.1	-0.433508784	-0.812244873	0.673289376
TMTC2	ENSG00000179104.8	5.548612497	5.130313424	5.040406458
DPY19L1P1	ENSG00000229358.3	-0.329130993	0.128127808	-0.507197045
ARHGEF17	ENSG00000110237.3	2.631933263	4.514089325	-0.766661931
CLMN	ENSG00000165959.11	4.144433077	2.480681012	-0.467435927
RRN3P2	ENSG00000103472.10	0.642836205	0.08225421	0.526968306
CTSS	ENSG00000163131.10	1.164753203	1.374427127	-0.772437257
RPL12P16	ENSG00000204196.5	1.023591529	1.63088872	-0.072811922
AC106795.1	ENSG00000170089.15	4.108326611	-0.484320225	1.532504025
AP001462.1	ENSG00000269038.1	1.005750321	0.254496264	1.17028734
PLCXD2	ENSG00000240891.7	-0.822739013	0.506839359	2.852851014
PCDHB2	ENSG00000112852.6	2.775899814	1.071685603	2.369945688
PALM2	ENSG00000243444.7	1.601618808	3.037170522	1.235370555
SNAI1	ENSG00000124216.3	5.421401642	1.805096612	4.06305145
AC136469.2	ENSG00000279827.1	0.56190279	-0.039939315	-0.657518846
LNP1	ENSG00000206535.7	1.736404895	2.450152141	-0.490382851
AL136295.6	ENSG00000276698.1	-0.323315517	-0.475191132	-0.035134746
BMP7	ENSG00000101144.12	1.001198153	2.043263005	7.294503338
AKAP6	ENSG00000151320.10	-0.161121787	0.418171506	1.509613317
AC083862.2	ENSG00000272941.1	-0.502242605	1.14676777	3.019688105

DCT	ENSG00000080166.15	-0.200430957	7.856216485	2.084110608
AC139100.2	ENSG00000278000.1	0.137466411	0.951915958	0.293890734
C1orf220	ENSG00000213057.5	0.770145844	0.083711499	-0.583189812
PDGFC	ENSG00000145431.10	2.263607648	-0.063788359	4.127552973
IKZF2	ENSG00000030419.16	1.891931588	-0.129728077	2.750832258
CTXND1	ENSG00000259417.2	1.167132276	2.473879687	4.129958702
FNBP1P1	ENSG00000257800.1	1.837196803	1.728686484	0.563949459
ST8SIA1	ENSG00000111728.10	-0.859747076	3.871260663	5.107536436
AC055855.1	ENSG00000240821.1	1.354104592	0.609654663	1.646450842
AL590235.1	ENSG00000261643.1	0.026773794	0.235702066	2.437449772
SRCIN1	ENSG00000277363.4	4.092371361	4.074094485	1.206861272
HIST1H3H	ENSG00000278828.1	-0.460996018	1.340394239	-1.091380699
CEACAM1	ENSG00000079385.21	-0.574957554	4.977367934	4.874176419
MIR6781	ENSG00000278447.1	0.88965004	1.666730965	0.314491791
AC007906.2	ENSG00000277639.2	0.811993522	1.412772064	3.793191146
HIST1H2BJ	ENSG00000124635.8	1.068254854	2.242673099	-0.338614895
AC020915.2	ENSG00000267216.1	0.81525143	1.462265924	1.509373599
AC006213.2	ENSG00000267058.1	-0.20824805	0.577193736	1.39356131
PAIP2B	ENSG00000124374.8	-0.320167557	0.032251138	1.01838172
SIM2	ENSG00000159263.15	-0.504653276	2.757702675	-0.048423839
MIR7111	ENSG00000276712.1	2.649139225	2.038558861	0.131235914
AC145422.1	ENSG00000256742.1	1.239975611	1.839456451	1.214327139
AC093788.1	ENSG00000273449.1	0.115544429	-0.670390336	-0.280786281
EEF1A1P19	ENSG00000249855.1	0.165870443	-0.03687246	-0.64942802
CHST7	ENSG00000147119.3	2.58335144	2.554614181	0.667238578
MIR641	ENSG00000207631.1	1.439797718	1.406214395	2.580592829
HIST1H2AM	ENSG00000278677.1	1.084847373	0.764054007	-0.624960143
CATSPER2P1	ENSG00000205771.6	0.777980968	0.990046418	1.365497983
LSR	ENSG00000105699.16	1.284110313	2.633285876	6.084515861
AP005136.2	ENSG00000266783.1	0.261400419	0.352581839	-0.019116208
AC017116.1	ENSG00000239775.1	1.6484411	1.552639274	-0.370032839
ANKRD29	ENSG00000154065.16	3.583243017	2.119512796	-0.675064009
CCDC96	ENSG00000173013.5	0.950478805	0.453356925	0.315652086
LINC00893	ENSG00000241769.7	2.179928223	1.947032391	1.115581174
PRX	ENSG00000105227.14	0.482361318	0.947485435	1.050416883
ATP6AP1L	ENSG00000205464.11	-0.956570756	1.146626141	2.774830772
ZNF284	ENSG00000186026.6	2.764746705	1.589751366	0.483936599
C1R	ENSG00000159403.15	3.766921429	2.946034174	-0.770139003
AL117332.1	ENSG00000275457.1	2.057308428	1.172190439	-1.139816034
FOXD1	ENSG00000251493.4	4.956711993	1.963563985	-0.712146278
SHOX2	ENSG00000168779.19	3.573470522	4.207578021	3.365719632
STK32B	ENSG00000152953.12	5.043220204	3.395522999	6.380834776
AC099850.1	ENSG00000224738.1	-0.208678504	0.594562208	0.102844999
GOLGA2P5	ENSG00000238105.7	1.021442115	0.284965848	-0.700452777
PPARGC1A	ENSG00000109819.8	-0.853330093	4.976498755	5.9701361
AC120057.5	ENSG00000279812.1	1.860387854	1.492020997	0.747032428

AL645941.1	ENSG00000223837.2	0.822495073	0.422949818	0.871014599
AC133552.2	ENSG00000262587.2	0.916121669	-0.577793413	0.314867665
ZNF773	ENSG00000152439.12	1.797865831	0.092146939	2.597056721
NUP210	ENSG00000132182.11	3.037345413	5.032447214	4.705008387
AC016739.1	ENSG00000218175.2	1.147536728	0.014197934	0.892163221
SLC16A7	ENSG00000118596.11	3.803262342	-0.694205614	4.822845462
AC097376.2	ENSG00000273247.5	0.475293853	-0.485415689	0.971630695
RPL24P4	ENSG00000181524.6	0.662296467	-0.20816465	-0.380765872
TRIM22	ENSG00000132274.15	-0.334896059	2.087715709	0.092773856
AXIN2	ENSG00000168646.12	0.05315587	1.870749563	5.597425413
AC010359.1	ENSG00000269961.1	-0.531050313	0.569551857	0.353167018
AC019080.1	ENSG00000213963.6	-0.791460212	0.982035842	0.851403837
CIART	ENSG00000159208.15	-0.531602462	3.902069626	3.814436975
DUSP2	ENSG00000158050.4	2.536896399	2.188393998	-0.673360979
AC005538.2	ENSG00000279809.1	-0.50123402	-0.730599973	-1.058208259
AL353625.1	ENSG00000213073.4	-0.500490695	0.892041581	2.489762996
AC105760.2	ENSG00000227252.1	-0.495047342	1.140728017	-0.50327098
AC073073.2	ENSG00000272604.1	2.128032682	1.021004602	-0.994049259
ATP5EP2	ENSG00000180389.6	0.239883158	-0.492462785	0.161682881
FKBP1C	ENSG00000198225.5	0.412115037	0.661575591	-0.942560734
SH3BGRL2	ENSG00000198478.7	2.085484384	2.113008137	2.607288452
DGCR6	ENSG00000183628.12	-0.518343221	2.939859654	2.1326553
SNORD12C	ENSG00000209042.1	2.642548931	0.879799086	-0.121870846
ATRIP	ENSG00000164053.19	4.245320807	3.070622773	0.781820169
LRRC75A	ENSG00000181350.11	-1.126047373	0.915839124	4.454571463
LINC00863	ENSG00000224914.3	1.623475545	-0.650212676	0.888446919
FAM124A	ENSG00000150510.16	1.639035935	3.35993187	2.109048188
FTH1P3	ENSG00000213453.3	-0.798300596	-0.996079064	-0.223499436
AC100814.1	ENSG00000272010.1	-0.270291816	0.744584367	1.272016498
AL669831.1	ENSG00000228327.3	0.093836168	0.514966943	-0.472969656
PSMB8-AS1	ENSG00000204261.8	0.982499094	-0.580778607	-0.322907492
AC060780.2	ENSG00000267340.1	1.721641017	1.720539379	2.423977852
SCG2	ENSG00000171951.4	3.04759525	3.390291663	-0.958156658
SCARNA7	ENSG00000238741.1	-0.119337375	1.626539494	1.036209378
MAT1A	ENSG00000151224.12	-0.288129667	-0.055632411	3.131563185
AC016586.1	ENSG00000268670.1	0.269176586	0.79545676	0.495731468
ZBTB46	ENSG00000130584.10	0.048690602	-0.720880244	3.604974439
AC016773.1	ENSG00000270195.1	1.003287718	-0.77605165	2.19078401
RN7SL809P	ENSG00000241217.3	0.511923351	0.008240468	-0.237091336
SEMA6D	ENSG00000137872.16	-0.389845613	4.574305559	2.592211234
AL158212.3	ENSG00000260917.1	1.842915633	1.265392135	2.243640407
44075	ENSG00000180096.11	-0.129897889	-0.91014001	-0.497493969
FAM72D	ENSG00000215784.5	3.134076126	0.948324158	-0.519559169
VASN	ENSG00000168140.4	0.153720149	0.274024024	-0.936355466
CAHM	ENSG00000270419.1	-0.142737529	0.423296273	1.208770642
AC073195.1	ENSG00000271855.1	-1.149876179	0.093697893	0.299756034

C16orf86	ENSG00000159761.14	2.569488718	-0.103530932	-0.305288265
KCNK15-AS1	ENSG00000244558.5	0.083164031	0.38980001	-0.133636426
NCKAP5	ENSG00000176771.16	2.148044983	2.172967146	0.295668795
AC023157.3	ENSG00000276900.1	1.354642304	0.808944569	-0.775626556
AC010245.2	ENSG00000272040.1	-0.581440173	-0.784252536	0.461134126
PLEKHB1	ENSG00000021300.13	3.238644375	2.886739258	2.035910025
AC062029.1	ENSG00000234028.3	0.493362299	0.389299708	-0.722696292
EML6	ENSG00000214595.11	1.879074828	-0.84098467	1.124154795
Y_RNA	ENSG00000201555.1	0.464705344	0.675937842	1.399207654
PGF	ENSG00000119630.13	2.417934968	4.477090476	3.764297019
AC016355.1	ENSG00000270964.1	0.930748068	0.786843342	-0.418035512
ULBP2	ENSG00000131015.4	4.025320151	1.395929691	-1.199463219
MR1	ENSG00000153029.14	1.829405644	2.458389156	-0.468574894
THSD4	ENSG00000187720.14	2.977250877	0.219277217	0.197488022
PCSK1N	ENSG00000102109.8	1.550097417	5.228550134	0.449015977
UBAP1L	ENSG00000246922.8	-0.904480679	4.900367245	-0.834702777
SNAI3-AS1	ENSG00000260630.6	-0.932405908	2.462590955	1.038191493
APOBEC3D	ENSG00000243811.8	2.787894611	-0.763527327	2.464225325
AC124283.3	ENSG00000262652.1	-0.418637292	-0.623446383	0.259584076
AP000692.1	ENSG00000228107.1	-0.712748947	-0.135010315	0.908477916
VAMP5	ENSG00000168899.4	6.026690179	0.02002952	5.564976159
MT-TC	ENSG00000210140.1	4.869056544	5.154581738	4.493939781
RNU6ATAC	ENSG00000221676.1	1.023623657	1.825094935	0.749425523
AC123769.1	ENSG00000226049.3	-0.876423673	-0.587447733	-0.098694418
RGS16	ENSG00000143333.6	3.432498142	1.538759571	0.350354496
AL513534.1	ENSG00000260400.1	1.58392442	0.380346015	-0.875088573
PRRT2	ENSG00000167371.17	1.889234074	0.209729806	1.212440175
AC006252.1	ENSG00000243224.1	1.163979563	1.223640143	-0.897163138
STK4-AS1	ENSG00000227477.1	-0.977999952	-0.077357391	-0.129762198
AC217777.1	ENSG00000260075.1	-1.228952088	0.617823749	0.27643115
LINC00957	ENSG00000235314.1	-0.955166157	2.837337782	-0.401154235
SNORA53	ENSG00000212443.1	0.71823306	0.725529026	-0.163061536
MIR1244-1	ENSG00000284378.1	6.022867596	5.573870215	4.898989832
AC007663.4	ENSG00000273343.1	-0.622036161	0.655990181	0.867909973
LINC00973	ENSG00000240476.1	2.573310913	0.687468938	4.028512891
TNFRSF10C	ENSG00000173535.13	2.588531757	2.445590789	-0.514223373
ARHGAP20	ENSG00000137727.12	-0.48402591	-0.69791587	0.580042372
TCAP	ENSG00000173991.5	-0.267988748	-0.521685518	-0.968962824
GABPB2	ENSG00000143458.11	2.512215819	2.27463982	-0.864921932
LINC01569	ENSG00000262468.5	2.164908073	-0.016704767	1.259942351
AC116913.1	ENSG00000261351.2	1.307289886	0.198434907	-0.17822442
PAQR6	ENSG00000160781.15	3.966538524	2.38530833	-0.594472617
AC233699.1	ENSG00000261499.2	0.353113278	-0.202129353	0.446354872
HSD17B7P2	ENSG00000099251.14	-0.8405977	1.085963236	0.94904325
DENND2C	ENSG00000175984.14	-0.773456831	1.600291517	1.556789981
HKDC1	ENSG00000156510.12	3.600672856	-0.936207974	1.000979948

TOB1-AS1	ENSG00000229980.4	-0.237286464	-0.055370729	1.335943066
SMG1P2	ENSG00000205534.6	0.530885084	2.264905484	2.398204064
CDK14	ENSG00000058091.16	4.857024862	2.218111901	3.585226062
GNRH1	ENSG00000147437.9	-0.809207936	-0.729645584	-0.60489614
ZNF891	ENSG00000214029.4	0.927680917	0.503245731	-0.338200175
AL442125.2	ENSG00000276916.1	0.470669062	-0.870742007	-0.379212543
AC068338.3	ENSG00000275645.1	1.058989002	-0.024363271	1.068801096
AC092279.2	ENSG00000279425.1	0.607704368	-0.095734512	-0.670297532
CCDC30	ENSG00000186409.14	-0.335991747	1.052864599	0.722024885
CCDC140	ENSG00000163081.2	-1.049710324	0.794721194	1.774439179
PYROXD2	ENSG00000119943.12	4.942865414	2.094025521	9.567119649
AC024293.1	ENSG00000244313.3	1.675077201	1.37707186	0.345648027
NUPR1	ENSG00000176046.8	-0.884665404	3.870119662	7.957610565
FLG-AS1	ENSG00000237975.6	3.339924614	2.461568068	-1.124865307
CPQ	ENSG00000104324.15	-0.638327227	5.840153808	5.698839163
AL132780.5	ENSG00000280129.1	-0.163227796	-0.124545827	0.102024064
AC104986.2	ENSG00000253948.1	1.582629313	0.566519798	0.44147896
ZNF337-AS1	ENSG00000213742.6	1.633223199	0.665533786	-0.11333978
AC008969.1	ENSG00000176593.7	-0.367222706	-0.568101894	2.044593255
RASSF5	ENSG00000266094.7	1.998732682	-0.5499412	1.838862103
AC109347.1	ENSG00000260526.1	-0.713597503	-0.323377279	0.809343737
AC009245.1	ENSG00000230383.1	1.172159662	-0.490604668	-0.368318632
BMS1P10	ENSG00000237238.2	3.803232729	1.720012069	3.389034278
KCND1	ENSG00000102057.9	1.179766118	0.756540343	1.132675007
PSMD6-AS2	ENSG00000239653.1	-0.200021753	-0.173335682	0.386063402
KSR1	ENSG00000141068.13	2.463073621	2.892464768	-0.786139407
AQP11	ENSG00000178301.3	-0.821310744	0.09419216	1.216977219
AC006330.1	ENSG00000280388.1	-0.429664702	0.902785988	-0.718511412
TLN2	ENSG00000171914.16	2.282733957	-0.712902584	5.470620609
GPC1	ENSG00000063660.8	5.514307729	4.833643664	-0.699289869
AL353804.1	ENSG00000228906.1	0.286376381	-0.140730968	0.859402094
TMEM121	ENSG00000184986.10	3.428605513	2.897735378	0.396325232
SGMS1-AS1	ENSG00000226200.6	-0.35783654	-0.99859778	0.128286256
PRSS12	ENSG00000164099.3	3.504419305	3.685864497	3.354441722
B3GNT9	ENSG00000237172.3	-1.14200763	2.609113144	1.860620279
AC107959.1	ENSG00000245025.2	-0.144799373	-0.599167246	-0.342107889
ATP2A1	ENSG00000196296.13	0.87237085	0.662826938	0.737417226
HNRNPA1L2	ENSG00000139675.11	-0.166476649	-0.910876699	-0.22769598
BST2	ENSG00000130303.12	1.851850908	-0.615125904	1.543500486
AC011468.1	ENSG00000260160.1	-0.569974158	2.613178268	0.008720517
LEF1-AS1	ENSG00000232021.6	-0.673917794	2.772647111	2.843246529
AL391069.3	ENSG00000237976.1	1.833759899	-0.156421679	0.887854842
EIF4BP7	ENSG00000225031.1	1.144811086	-0.366617531	-0.352435762
ITGB1BP2	ENSG00000147166.10	0.408329462	0.109540343	-0.788201234
FAM107B	ENSG00000065809.13	4.188324966	3.558173792	-0.747889679
GHRLOS	ENSG00000240288.7	-0.070309214	0.790035559	-0.820917636

AC009120.1	ENSG00000239763.2	1.264120695	2.173849985	0.066970699
AC079414.3	ENSG00000276007.1	0.359753492	-0.169864201	-0.534585876
SLC29A4	ENSG00000164638.10	-0.875582712	3.707437587	1.151557795
AC144548.2	ENSG00000258210.1	0.219162508	0.186625422	-0.939347116
MIR6739	ENSG00000277681.1	1.542500095	0.258768469	-0.508069355
SYPL1P2	ENSG00000265683.1	0.266578973	0.661225273	0.113659992
SAMMSON	ENSG00000240405.6	2.570897184	2.268181928	1.547051916
TAGLN	ENSG00000149591.16	0.893680488	0.570750039	0.376521017
AC022211.3	ENSG00000265800.1	0.555982938	-0.176095647	-0.960086129
AC064875.1	ENSG00000225649.5	2.869114154	4.151094902	4.291302186
TMC6	ENSG00000141524.15	3.716422214	7.078078759	7.067256257
AC138207.4	ENSG00000264456.1	-0.081601123	-0.26937903	0.546902022
C1GALT1C1L	ENSG00000223658.7	1.043254587	1.42170275	2.501052933
FTH1P11	ENSG00000237264.4	-0.541161649	0.327654937	-0.320684209
PARD6G-AS1	ENSG00000267270.5	0.967724798	0.038536194	0.597580694
SNORD94	ENSG00000208772.1	0.406963047	2.165299348	0.797751161
RINL	ENSG00000187994.13	3.080243943	3.555844015	4.318181251
BX322639.1	ENSG00000215146.4	2.067208785	1.442781192	-1.362941512
ROPN1	ENSG00000065371.17	2.298928118	2.418892306	2.319066523
AL031673.1	ENSG00000278383.1	1.246971914	-0.889269499	0.002205169
AC026362.1	ENSG00000256028.2	1.171529011	0.440183492	2.719043512
AC010615.1	ENSG00000213976.4	-0.005805738	-0.802779227	-0.788240158
POLR2J4	ENSG00000214783.9	1.047300044	1.178485064	1.266708781
MTRNR2L12	ENSG00000269028.3	-0.347888566	1.456102639	2.486296911
AL355987.4	ENSG00000273066.5	-0.185191077	-0.031105569	0.899081801
DLEU2L	ENSG00000116652.6	-0.143516937	0.94517565	-0.433657348
HMGA1P8	ENSG00000233155.1	3.117265664	0.92891539	-0.112198309
UQCRHL	ENSG00000233954.6	-0.127027768	-0.786268387	-1.209630786
AC025423.2	ENSG00000256664.1	-0.857103531	-0.870120622	-0.941893352
AC127502.1	ENSG00000215302.8	-0.546450819	0.977693286	0.662639066
HAS3	ENSG00000103044.10	2.766988932	-0.230350565	-0.570714991
AC253536.3	ENSG00000232545.1	0.005323313	0.047118126	0.18745368
HPSE	ENSG00000173083.14	1.523721476	1.998511113	2.195595361
NUAK2	ENSG00000163545.8	1.418843394	-1.097610491	0.054877909
AC111170.3	ENSG00000279801.1	0.042153406	1.172955691	0.578824728
HMGB1P3	ENSG00000250011.1	-0.394112383	-0.719951029	-0.344443215
FAM20C	ENSG00000177706.8	7.337568814	-1.09050196	4.445145809
PTMAP2	ENSG00000197744.5	1.002270322	0.584448308	-0.332846782
AL359643.3	ENSG00000272142.1	1.915582226	-0.826321319	0.890534777
AL008729.1	ENSG00000215022.7	-0.665112125	2.271797497	1.506986227
TRO	ENSG00000067445.20	-0.676842049	3.563823526	3.531127957
NBDY	ENSG00000204272.12	5.164786537	5.413189863	5.082135523
AC008669.1	ENSG00000260686.1	-0.23521608	0.189376766	0.020940622
AC010522.1	ENSG00000268750.6	1.82837715	0.801708064	0.885277311
IRF5	ENSG00000128604.19	0.505702376	3.725380275	3.699277936
AC145207.9	ENSG00000278876.1	0.961704869	0.965742641	-0.243390686

AL133338.1	ENSG00000260000.2	1.031431589	-0.538186507	0.335642246
YPEL2	ENSG00000175155.8	1.274883739	1.148813276	1.374651591
NR2F1-AS1	ENSG00000237187.8	1.299399582	-0.118212236	2.537001349
CDKL1	ENSG00000100490.9	2.802266355	0.688463285	-0.210861959
AC027373.1	ENSG00000260368.1	-0.619416441	-0.406049131	-0.551715298
FAM19A2	ENSG00000198673.10	2.853224015	-0.255712084	1.738053218
AL162386.2	ENSG00000234740.1	0.273283675	0.047399414	-0.787742651
AL132639.2	ENSG00000258940.2	0.241737014	-0.499110888	-0.356741253
C1orf54	ENSG00000118292.8	0.1329699	1.884210836	1.730958796
AC009120.2	ENSG00000259972.2	2.817166658	2.973334641	1.144125967
AC090948.1	ENSG00000271964.1	-0.219416852	0.063130773	-0.62837153
FYB1	ENSG00000082074.15	1.225140689	3.973455369	1.631852683
FKBP5	ENSG00000096060.14	4.523545598	3.697219987	5.334107079
AC079848.1	ENSG00000250012.1	-0.161285185	0.799521475	0.712596287
TCEA1P4	ENSG00000236184.1	0.354434409	0.076976992	-0.42314616
VSTM2B	ENSG00000187135.7	1.243123643	-0.570514559	1.163732947
AL442125.1	ENSG00000276248.1	-0.132313288	-0.804358567	0.247141492
AC137767.1	ENSG00000256092.2	1.345643074	0.000664406	0.752370412
AC022211.1	ENSG00000263786.1	1.11828844	0.329815606	-0.467898977
WDFY3-AS2	ENSG00000180769.8	0.174054226	0.527239273	1.449413222
AC135507.1	ENSG00000272182.1	-0.315963461	0.457129052	1.462627559
AC145423.3	ENSG00000278112.1	1.291737331	1.662005774	2.747936788
FTH1P15	ENSG00000218980.2	0.887438905	-0.110783532	1.093571246
GTF2IRD2	ENSG00000196275.13	0.029807885	-0.504337219	2.144230684
ACTA2	ENSG00000107796.13	3.284210377	4.224268469	5.567269678
NBPF20	ENSG00000162825.16	0.496932768	0.299369448	-1.044555762
MYLK	ENSG00000065534.18	2.511775778	3.076814073	-0.859544796
AP001767.4	ENSG00000279900.1	0.207806024	-0.133696474	0.772698785
KCNAB3	ENSG00000170049.9	2.415157443	0.670304737	0.70279586
CYBRD1	ENSG00000071967.11	4.40783048	6.844635763	4.391430036
FEZ1	ENSG00000149557.12	5.635620028	3.402888025	4.858674123
DFFBP1	ENSG00000232303.2	1.310056115	0.225620421	0.709130763
C1S	ENSG00000182326.14	-0.86584048	-0.290732327	-0.834856596
STX18-AS1	ENSG00000247708.7	1.577943043	0.580693851	3.083353346
KLRA1P	ENSG00000256667.6	-0.270145385	0.259884936	1.773638887
CMTM8	ENSG00000170293.8	4.297245444	4.507540068	4.077703691
RASL10B	ENSG00000270885.1	-1.142176543	2.587288119	3.857091603
SMC5-AS1	ENSG00000268364.1	0.065941079	0.649141724	-0.085461442
AC048341.2	ENSG00000257354.2	-0.056556114	0.499386538	0.125918081
CASC15	ENSG00000272168.6	-0.723563541	1.557650953	2.088794126
ANKRD33B	ENSG00000164236.11	0.770940745	3.969885016	4.129526666
AL035563.1	ENSG00000273148.1	1.537965042	0.941733266	-0.667645598
TBX19	ENSG00000143178.12	1.631409636	1.830861295	-0.960483659
CYGB	ENSG00000161544.9	-0.958326335	8.376035514	8.842313906
AL627171.2	ENSG00000282885.1	-0.453151598	-0.845183438	1.984257522
RAPGEF5	ENSG00000136237.18	1.403031341	4.67260939	0.418957569

AL137003.2	ENSG00000272341.1	-0.110140067	0.126714365	1.695698611
PWP2	ENSG00000241945.7	3.355111925	2.407428675	2.133419687
ADHFE1	ENSG00000147576.15	-0.821757123	0.805953293	1.098413672
AC016590.2	ENSG00000267682.1	0.319824782	0.21976083	-0.046139458
PPP1R12A-AS	ENSG00000257557.2	-1.174138745	-0.797238507	0.465206431
CASC2	ENSG00000177640.15	1.198781654	0.09722562	0.070911992
AL359878.1	ENSG00000205740.2	-1.213606727	0.203869436	-0.645187972
AC021016.2	ENSG00000261338.2	-0.711132923	-0.036141894	-0.692081311
TEN1	ENSG00000257949.6	0.668037287	0.137578211	1.416814357
GSTT2	ENSG00000099984.11	-0.291465652	1.814033136	0.411484425
AC090948.2	ENSG00000272498.1	0.807391273	-0.028952884	-0.709152011
LGALSL	ENSG00000119862.12	2.970317199	3.962714177	3.89484141
LINC00663	ENSG00000266904.5	0.735646622	0.11662931	1.800687245
LMO2	ENSG00000135363.11	1.16338398	-1.28531867	2.573541624
ABCA11P	ENSG00000251595.7	1.763582998	0.662984785	0.384218385
ZCWPW1	ENSG00000078487.17	1.520826188	1.323436528	1.583836733
HSF2BP	ENSG00000160207.8	-0.818118344	-0.383276855	0.543617444
AC006011.1	ENSG00000244563.1	3.438018835	6.010219112	5.782266513
AP002360.4	ENSG00000272301.1	0.517236756	0.68171666	1.093433914
AIF1L	ENSG00000126878.12	3.75474295	3.305329074	-1.196870423
PPIAP29	ENSG00000214975.4	0.779564061	0.56674598	-0.524053886
AC009996.1	ENSG00000259659.1	0.187278183	-1.414788778	-0.170304215
AL078590.3	ENSG00000232310.6	-0.083465752	0.293517685	0.684611773
FN3K	ENSG00000167363.13	-0.65597504	5.958993479	7.305083242
AL353796.1	ENSG00000259994.1	0.426253463	0.180186017	-0.484605315
AC022306.2	ENSG00000275580.1	0.186531444	0.356845997	0.740591448
AC073529.1	ENSG00000234129.7	0.9594712	-0.496385051	0.710356374
AC015813.2	ENSG00000266086.1	-0.952549374	2.101347949	-0.327699891
COX6A1P2	ENSG00000226976.3	0.57932463	-0.100104582	1.82599477
AL133243.3	ENSG00000276517.1	0.644703179	0.010281599	-0.3240043
USP3-AS1	ENSG00000259248.5	0.775759209	0.789417921	-0.69809292
CCNB3	ENSG00000147082.17	0.008455981	-1.094408991	-0.272916053
CAMK1	ENSG00000134072.10	1.379029435	4.017419801	2.648722544
LDLRAD4	ENSG00000168675.18	-0.02757915	3.94271961	3.431543617
TNFSF4	ENSG00000117586.10	-1.041464217	1.769078073	0.120923722
AC018628.1	ENSG00000279133.1	-0.481864578	0.900963096	1.058607167
HPDL	ENSG00000186603.5	4.627496829	3.030235185	1.812900015
AC004148.2	ENSG00000263272.1	1.871764459	-0.630956713	-0.85889388
AL139089.1	ENSG00000273723.1	1.242022868	0.518539028	-0.203856622
HLA-DPA1	ENSG00000231389.7	7.839268383	-0.712553825	3.122779743
FOXD2	ENSG00000186564.5	1.991979918	0.170251374	-1.452261352
AC239868.1	ENSG00000220323.3	-0.996129205	0.263022046	-0.833307903
AC079807.2	ENSG00000233230.1	-0.527074976	1.27196564	0.940997329
CALHM2	ENSG00000138172.10	5.408125762	-0.691616544	5.214017758
ZC3H11B	ENSG00000215817.5	-0.832518058	-1.11355075	-0.944263803
AC104452.1	ENSG00000283189.2	-0.570316819	1.347870685	1.503211451

AC110285.7	ENSG00000279692.1	1.704974883	0.870685031	2.309658374
LRRC24	ENSG00000254402.6	-1.095515289	0.969343084	-0.369688898
BX537318.1	ENSG00000273145.1	0.3391814	0.853695805	0.846285541
LDHD	ENSG00000166816.13	-0.833543323	-0.940420951	-1.077552366
AL355802.3	ENSG00000271754.1	2.653796952	0.736026162	-0.622523886
AC007032.1	ENSG00000273320.1	-0.725582143	1.384897191	1.323639563
LY6G5C	ENSG00000204428.12	0.544072217	1.202746301	1.226316727
AP006621.2	ENSG00000255142.1	-0.169936618	1.118114051	-0.247555169
AC027237.3	ENSG00000259426.5	0.682113415	-0.440143803	0.921502913
FTH1P16	ENSG00000227376.1	-0.878849715	0.431785978	1.459101455
ARHGAP24	ENSG00000138639.17	1.732214096	3.45065989	1.946632378
AL034549.2	ENSG00000276073.1	-1.131694559	-0.654172818	-0.769084829
CLCF1	ENSG00000175505.10	3.636363913	-0.363751335	-0.890409062
AC104763.1	ENSG00000241157.1	-0.684458329	2.200604914	3.621964236
MIR1825	ENSG00000284125.1	-1.127063161	-1.118727901	-1.243696575
HIST1H2BC	ENSG00000180596.7	-0.324957135	3.475127593	-0.415461173
VEPH1	ENSG00000197415.11	0.075441765	5.123691268	0.027642278
44078	ENSG00000108387.14	-1.046046091	5.727622887	1.763715401
TUBBP1	ENSG00000127589.4	0.235104735	-0.365449803	-1.163987827
CFL1P5	ENSG00000213830.3	0.293025668	0.228267467	0.387841028
MADCAM1	ENSG00000099866.14	-1.079655949	-0.505025848	0.364657178
FBXO2	ENSG00000116661.10	1.538596995	4.153954043	4.088163978
SPRY3	ENSG00000168939.11	-0.968409075	-0.496672054	-0.872642449
AL359091.4	ENSG00000273186.1	0.492712792	1.91372095	-0.618689918
RNA5SP383	ENSG00000199804.1	-0.007607471	0.674282037	1.284689347
RPS3AP6	ENSG00000234797.5	1.439428333	0.377857614	0.663846799
NPM1P9	ENSG00000231066.3	2.156279521	-0.472206223	-0.956821484
NGFR	ENSG00000064300.8	4.329384125	2.450387495	0.279864166
AC102945.2	ENSG00000279041.1	-1.016776226	1.014237868	0.891509236
LINC00472	ENSG00000233237.6	0.424809496	-0.474681483	-1.149781621
HIST1H4E	ENSG00000276966.2	-0.427815839	0.220844977	-0.925947491
AC105942.1	ENSG00000235501.5	-0.595943865	0.701539141	1.996794724
DNAAF3	ENSG00000167646.13	2.35677578	2.153030873	-0.763406339
ATP2B1-AS1	ENSG00000271614.1	-0.60377792	-1.05808382	-1.384214564
ZNF185	ENSG00000147394.18	-0.063689645	1.623914886	0.606961161
AP006333.1	ENSG00000256341.1	-1.132859	-0.673473296	-0.096382698
AL356235.1	ENSG00000248503.2	-0.72876557	-0.206118207	-0.920385281
RBPM52	ENSG00000166831.8	3.752352762	3.220657337	4.874413612
FBXO36	ENSG00000153832.11	0.121045116	-0.171307958	-0.880967981
ACVR2B-AS1	ENSG00000229589.1	1.001075267	2.431545154	1.044134037
AC064799.1	ENSG00000212664.5	-0.091841942	0.42694225	-0.011921142
SEC31B	ENSG00000075826.16	1.758441141	1.314016114	2.027797219
AC009318.3	ENSG00000274315.1	-0.041610055	0.710668016	-1.420438781
HOXC-AS1	ENSG00000250451.5	1.972889075	-0.655812424	0.25531078
AC006449.5	ENSG00000277182.1	-0.340563921	-0.396571673	0.055037526
AC008105.1	ENSG00000233175.2	0.824980899	2.084782808	-0.121368374

AC069544.1	ENSG00000272853.1	0.210840309	0.089442549	-0.22084797
STYK1	ENSG00000060140.8	-0.676695211	1.291111316	1.574953199
ZBTB20	ENSG00000181722.16	0.154912646	0.361943665	2.80715166
FSIP1	ENSG00000150667.6	1.637553684	-0.704409744	-0.249379348
ASPHD1	ENSG00000174939.10	4.429914893	5.315479796	-1.116159157
NIPAL1	ENSG00000163293.11	3.128538908	-0.961468277	0.60830634
SNORA2B	ENSG00000207313.1	1.049003325	-0.090148835	-0.615932537
FBXL7	ENSG00000183580.9	-1.239745901	6.201033791	2.347231568
AC009065.4	ENSG00000260778.5	0.920967956	0.581704435	1.161821753
ATP6V1G2	ENSG00000213760.10	1.174740743	-0.165060933	0.03423625
MIR7705	ENSG00000284570.1	-1.167390038	-1.041048603	-1.262610591
AC010547.5	ENSG00000261611.5	-0.000957932	1.521917208	1.899053383
AC027307.3	ENSG00000268798.1	0.959158817	-0.72234326	-0.594220975
AL391684.1	ENSG00000224934.3	-0.445502195	-0.428168726	1.255321194
CCDC74B	ENSG00000152076.18	2.959179811	0.602327607	0.611702476
AF127577.4	ENSG00000235609.7	-0.61841282	-1.414439858	-0.348746617
EP300-AS1	ENSG00000231993.1	-0.545135954	-1.355801098	0.719100264
UCP2	ENSG00000175567.8	2.503045483	2.225612428	2.484102104
TRPV1	ENSG00000196689.11	1.200022134	0.41379031	-0.343192395
GTSE1-AS1	ENSG00000277232.2	-0.274639944	0.71690156	0.263646179
U47924.2	ENSG00000272173.1	1.821059381	-0.706929109	-1.079446731
PCDHGA10	ENSG00000253846.2	1.673897237	-0.681385892	0.174328172
AC009065.5	ENSG00000261123.1	-0.416016472	0.043561675	0.680554067
COL4A2	ENSG00000134871.17	8.688427994	7.517641856	-1.059049793
LINC00518	ENSG00000183674.11	-0.775802769	5.494134329	5.543616805
AL031009.1	ENSG00000278987.1	-0.997406579	-1.140983139	-0.419617137
MIR3936HG	ENSG00000233006.6	0.935734992	0.849463841	2.51090916
MAMSTR	ENSG00000176909.11	0.572248928	1.500447372	1.043550526
LINC01021	ENSG00000250337.5	2.639423092	5.586050872	5.02523948
AC245140.2	ENSG00000280195.1	1.587694227	0.511263762	-0.992259243
SEC24B-AS1	ENSG00000247950.6	0.385394718	-0.610986868	0.113559786
AC068446.1	ENSG00000237161.4	-1.078262211	-0.275298212	0.809317279
AC018638.7	ENSG00000271553.1	-1.315676565	-0.003896309	0.075267788
AL356273.3	ENSG00000279838.1	-0.603512218	1.803789442	-0.738315975
AC243919.1	ENSG00000278202.1	0.60707625	-0.979208495	0.845119302
AL645728.1	ENSG00000215014.4	-0.717013881	0.336278379	-0.925183334
ACAP2-IT1	ENSG00000229325.1	-1.377966653	-0.127782095	-0.450610803
NRCAM	ENSG00000091129.19	4.26132359	3.826902035	-1.572671806
RPL23AP2	ENSG00000225067.4	1.863156122	-0.367078445	0.435536517
AC012085.1	ENSG00000186076.5	0.553991144	-0.524356125	-0.822316812
DTX4	ENSG00000110042.7	-1.131998836	1.212746622	2.290682182
AL353708.3	ENSG00000272906.1	-0.008859454	0.659784508	0.173360124
AL359513.1	ENSG00000278238.1	0.665165823	-0.220866197	0.36869478
PAXBP1-AS1	ENSG00000238197.5	0.705667454	0.189700967	-0.392789402
ALK	ENSG00000171094.17	0.155027776	-0.643962028	-0.99734048
AC097461.1	ENSG00000261428.2	-0.017514989	0.382150868	-0.973763235

BTG3-AS1	ENSG00000280594.1	-0.489226836	1.379958133	0.434688765
GCHFR	ENSG00000137880.5	3.913590216	1.702071002	3.743251499
GIPR	ENSG00000010310.8	-0.324650067	1.945182976	1.340976511
RPSAP15	ENSG00000237506.3	1.236425294	0.34757386	-0.327805867
ZFP37	ENSG00000136866.13	2.11612467	2.47440388	-1.073565579
H2AFY2	ENSG00000099284.13	3.839042142	0.748014111	1.771670822
AC124798.1	ENSG00000260196.1	1.885306764	1.905673919	-1.066929179
MIRLET7D	ENSG00000199133.3	1.971197238	1.557833435	0.80470552
SRGAP2B	ENSG00000196369.11	2.124123802	1.431503317	-0.994447136
AC079684.1	ENSG00000274943.1	0.544803651	2.349420316	-1.062343019
C4orf32	ENSG00000174749.5	3.227934302	-0.244361766	0.849879159
AC026124.2	ENSG00000276853.1	-0.334938934	-0.303670058	-0.760435861
B3GALT4	ENSG00000235863.3	-1.020852591	0.296927505	-0.874494789
LCP1	ENSG00000136167.13	-1.471240377	2.573878486	6.955911361
NR2F1	ENSG00000175745.11	1.896860498	-1.079451475	1.210842524
RPSAP12	ENSG00000240087.3	1.492864843	0.151951392	-1.220519973
AC055713.1	ENSG00000247373.3	-0.869063849	-0.312050172	0.6409566
AC016831.1	ENSG00000226380.9	-1.341926077	3.007530474	3.256414834
AC093249.6	ENSG00000261840.2	0.744111519	-0.780944078	-0.116757446
SERF1B	ENSG00000205572.9	0.669027416	-0.481740479	-0.400035979
AL358472.2	ENSG00000272654.1	1.559125756	0.806023909	-1.123516368
MALAT1	ENSG00000278217.1	-1.315807431	-1.276436079	-1.363202199
EPHA3	ENSG00000044524.10	6.149742566	3.8043221	-1.666246999
BZW1P2	ENSG00000198406.7	-0.247633077	-0.814828506	-1.117868048
RPL23AP1	ENSG00000239257.1	0.465159471	3.037791047	0.900823449
BIRC3	ENSG00000023445.13	0.491524954	-1.356008767	3.186556168
MIR4657	ENSG00000284261.1	-1.208340789	-1.282255734	-1.262079301
POM121B	ENSG00000205578.5	-0.665806457	-0.933614613	0.315418122
AC067931.1	ENSG00000279766.1	-0.399899367	-0.598201858	0.026618195
AC091940.1	ENSG00000250072.5	3.252189358	1.575170516	0.598526246
AL731569.1	ENSG00000227896.2	0.335326048	-0.842483991	-0.2659153
AC018413.1	ENSG00000265778.2	-0.056761347	1.018144088	1.801685633
IRAQ1BP1	ENSG00000146243.13	0.34818902	0.936771384	0.089563054
FP565260.1	ENSG00000275464.4	0.282105183	0.09750179	-0.914181441
AL590705.5	ENSG00000254876.5	-0.468955652	2.36078384	1.60085299
AL031432.4	ENSG00000284602.1	0.106855786	0.534323072	-0.394417546
EID3	ENSG00000255150.2	-0.516467427	0.218570168	-1.248662203
PCDHB6	ENSG00000113211.5	4.033137669	-1.070108145	-1.323861004
UBR5-AS1	ENSG00000246263.2	-0.890053807	0.000258372	1.736059176
AP000766.1	ENSG00000261098.1	-0.412337819	-1.477718427	-0.162485183
AC019131.2	ENSG00000272777.1	-0.634416114	-0.722660556	0.026206959
KIAA1161	ENSG00000164976.8	-1.403568453	0.802549143	0.348548829
FAM46C	ENSG00000183508.4	0.927338048	-0.619630899	1.831607292
AC026356.2	ENSG00000276115.1	0.395569919	-0.208928434	-0.719441191
AC134878.2	ENSG00000278212.1	1.167450895	-0.856987182	-1.484001596
NINL	ENSG00000101004.14	0.11285614	2.933816483	2.731829433

AMT	ENSG00000145020.15	-0.300875285	0.455529946	1.23876831
AL354696.1	ENSG00000277662.1	0.087890045	1.243301851	-0.169690551
FAM27E3	ENSG00000274026.1	2.030260478	1.457921254	1.205823469
SHROOM3	ENSG00000138771.14	3.309999947	2.388618662	3.75180531
AL133367.1	ENSG00000260285.1	-0.120497019	0.269316431	-1.561903892
LUZP6	ENSG00000267697.1	-1.317489028	-1.26349558	-1.423390361
MIR600HG	ENSG00000236901.6	0.730013968	2.110997821	0.973758207
B3GALT1	ENSG00000172318.5	0.716583666	-1.226720135	2.787419508
AC004801.6	ENSG00000276814.1	0.02860974	-1.291553718	-1.347062821
TMEM91	ENSG00000142046.14	-0.052638672	0.120011675	2.332311529
AC069234.5	ENSG00000277423.1	0.43570609	-0.745966876	-0.598306285
SETP14	ENSG00000240489.1	0.167456614	-0.225388934	-1.162985029
MIR6501	ENSG00000284448.1	-1.271233769	-1.402636478	-1.451757972
AL078621.3	ENSG00000279267.1	-1.243440641	-1.040969258	-0.599982795
AC124016.1	ENSG00000272677.1	0.514521686	-0.877544575	-0.312577323
AC004801.2	ENSG00000240399.1	1.669968117	1.790467708	1.973358389
AC074032.1	ENSG00000272368.2	0.470325405	1.257066045	-0.567124178
CHSY3	ENSG00000198108.3	-1.190495489	2.841434435	1.906830719
LRRFIP1P1	ENSG00000240429.1	-0.815893105	1.36730293	0.593248105
EXTL3-AS1	ENSG00000246339.5	-1.402564053	-0.481387946	-0.573966363
C2CD2	ENSG00000157617.16	-0.836394481	2.360745783	3.070260194
WBP1LP2	ENSG00000250474.2	-0.224449472	-0.848507799	0.399160282
AC012184.3	ENSG00000261777.5	0.887315066	0.471994053	1.373158696
HRK	ENSG00000135116.9	0.528267601	2.956937997	3.108033559
MICE	ENSG00000273340.1	-1.203673967	3.352144531	1.263035199
LINC00471	ENSG00000181798.2	-0.129734357	-0.011912667	0.407509197
CCT6B	ENSG00000132141.13	-0.862519322	1.029665577	1.790806717
AL136162.1	ENSG00000271888.1	1.114418288	0.238658364	0.458355796
AL356019.2	ENSG00000258768.2	0.056827963	-0.501324007	0.18859545
AC009126.1	ENSG00000247121.6	-0.267100533	-0.811365082	0.56543877
AC027682.6	ENSG00000276075.1	-0.761187045	-0.30603008	-0.091209001
AP000787.1	ENSG00000245552.6	0.565714137	1.119271455	2.544499307
AL391069.2	ENSG00000232671.5	1.414188855	1.20582095	-1.278845873
AP001486.2	ENSG00000260966.1	0.973905485	-0.320707345	-1.368802144
FZD9	ENSG00000188763.4	2.219197606	2.921470972	-1.073703911
RPL39P36	ENSG00000239912.1	0.463331145	0.161511198	-0.243425313
DGKI	ENSG00000157680.15	-1.118906957	2.308423066	2.952999439
SLC4A4	ENSG00000080493.15	-0.904575945	1.632216125	0.031342876
AC025165.5	ENSG00000270039.1	0.302449014	0.617631956	2.982370308
ROPN1L	ENSG00000145491.11	1.09919453	1.337225723	-1.441802572
ZDHHC11	ENSG00000188818.12	3.685087361	4.758315676	0.965351457
F8	ENSG00000185010.13	0.654000184	-0.594528803	2.673674038
RAB36	ENSG00000100228.12	3.475388262	3.333491866	2.256869172
AC007038.1	ENSG00000229127.1	-0.938885536	0.750354198	0.867821151
COL15A1	ENSG00000204291.10	1.17266924	0.183108852	0.200484286
FAM227A	ENSG00000184949.15	0.20781897	0.429501033	-0.849070247

CTRL	ENSG00000141086.17	0.458648575	-0.529604655	-0.518526132
MIR4647	ENSG00000284427.1	-1.354019032	-1.37012132	-1.487259891
LINC01366	ENSG00000235172.7	2.237255134	1.779704953	0.258446777
AC019226.1	ENSG00000281469.1	-1.602891051	0.423398022	0.077994415
AC020661.1	ENSG00000251161.3	0.538887686	0.166608291	-1.212806851
SNORA41	ENSG00000207406.1	0.533588773	1.857409468	1.439042781
PIGY	ENSG00000255072.1	-1.233921867	-1.336713313	-1.472502587
PAN3-AS1	ENSG00000261485.1	1.106730248	1.061835952	2.158662279
SCN8A	ENSG00000196876.15	-0.339355948	-0.343992079	1.804266341
AC068205.2	ENSG00000283341.1	0.486140541	1.234396506	1.540006814
ISPD	ENSG00000214960.9	0.347573452	1.505427768	-0.945828817
AC012676.1	ENSG00000262712.1	1.432393594	-0.360396262	-0.729265728
AC005070.3	ENSG00000272918.1	-0.237301059	-0.294950506	-0.471129126
ZBED3-AS1	ENSG00000250802.6	1.527043179	-1.206750901	3.117469463
OGFRP1	ENSG00000182057.4	0.771023197	0.919859518	0.425653281
AC005702.1	ENSG00000267302.5	-0.87792121	-0.450865066	2.637433375
PLAUR	ENSG00000011422.11	5.59730933	5.625512642	5.040585812
CCDC113	ENSG00000103021.9	2.599323943	2.319013011	0.715329945
DMD	ENSG00000198947.15	-1.282928606	2.515631672	1.269811856
AC007036.3	ENSG00000251660.1	-1.467316371	2.248278348	-1.070380183
NAALADL2	ENSG00000177694.15	0.025657953	0.224141081	-1.258993633
ITPKA	ENSG00000137825.10	0.970837975	-0.862155061	4.346613532
RAPGEF4	ENSG00000091428.17	1.535014927	-1.561851686	5.333712056
HSPE1P3	ENSG00000259746.1	-0.635731492	-0.494352348	-0.27848852
C3orf18	ENSG00000088543.14	2.51848044	4.008680869	2.241535087
RGPD5	ENSG00000015568.12	-0.755051794	-0.360317402	0.086539585
RPS15AP17	ENSG00000225405.3	-0.377404669	-0.285293813	-0.488909065
PTP4A3	ENSG00000184489.11	-0.070290967	2.639851655	0.633510715
PMS2P2	ENSG00000278416.1	-0.379609083	-1.682973803	-0.320160272
AC092119.2	ENSG00000274460.1	-0.481531819	-0.283520822	0.319493018
EEF1A1P11	ENSG00000228502.1	0.541926535	-1.13920482	-0.471749149
SLC44A3	ENSG00000143036.16	-1.520431002	3.330688153	3.56899282
AC007773.1	ENSG00000267213.4	1.469474984	1.154456279	-0.077846242
ALDOC	ENSG00000109107.13	5.137607368	1.667315962	-1.464320916
AP000254.1	ENSG00000273271.1	0.468787981	-1.395602385	0.622763412
AC105219.1	ENSG00000181097.5	1.852801049	-0.883773141	-0.223740743
TLR1	ENSG00000174125.7	-0.027263415	-0.572335993	2.00679077
AC016949.1	ENSG00000230732.4	0.584748405	-0.524420678	0.396257598
LEAP2	ENSG00000164406.7	1.00200711	-0.26229533	-1.48123539
AC020910.4	ENSG00000274104.1	0.814174054	-0.173596777	-0.690375472
ENO1P4	ENSG00000241790.2	1.58913506	0.802391325	1.170198121
BORCS8-MEF	ENSG00000064489.22	2.12920165	1.976260285	-1.168616883
AC104563.1	ENSG00000240036.4	0.38886022	-0.533102028	-0.36591804
uc_338	ENSG00000277948.1	-1.259628464	0.174876032	-0.685281338
AC090519.1	ENSG00000250130.1	-1.173556736	-0.22491934	0.582716439
HILS1	ENSG00000188662.6	4.436763699	4.564145896	3.809520264

SCARNA13	ENSG00000252481.1	1.935979032	-0.716170571	-0.664526351
COL19A1	ENSG00000082293.12	5.286203407	1.135146107	-1.010819245
AC022167.2	ENSG00000260276.2	-0.059948761	2.11237151	0.705134262
CCDC163	ENSG00000280670.2	3.312167799	-1.32828158	2.302572467
RASAL2-AS1	ENSG00000224687.1	1.160425563	1.126665409	-1.676587024
MIR193BHG	ENSG00000262454.3	0.12006422	0.62533825	0.057856506
LINC01505	ENSG00000234323.6	0.443817298	3.487557628	-0.943723509
AC007541.1	ENSG00000260329.1	0.902913763	0.641822917	0.09154337
RPL17P50	ENSG00000213700.3	-0.422551772	0.471251372	-0.885960797
RNF128	ENSG00000133135.13	3.788789917	2.361618658	5.324926747
AC008507.1	ENSG00000266910.1	-1.384035602	1.002809871	-0.146467415
QPRT	ENSG00000103485.17	0.622172151	7.231268901	6.947615631
ARL10	ENSG00000175414.6	0.488791686	0.312436776	2.653763364
AC009118.2	ENSG00000276131.1	1.151696226	0.040556628	-0.994389994
LINC01001	ENSG00000230724.9	0.470534508	1.539837507	0.218313006
AC104581.5	ENSG00000280046.1	-0.522900145	-1.39196599	-1.325413576
AC145285.7	ENSG00000275807.1	0.435944075	-0.289236838	0.185216229
AC021087.3	ENSG00000260774.1	-1.304291283	-0.404009993	-0.929526874
LINC00638	ENSG00000258701.1	-0.399534089	0.121138424	-1.458551131
AC097641.3	ENSG00000277728.1	0.129049915	-0.02856072	-0.309162623
AL162431.2	ENSG00000243155.1	0.87939322	0.069930564	-0.512390281
RPL7P32	ENSG00000231006.1	-0.392670056	-0.384904272	-1.504356022
AC009779.3	ENSG00000258311.5	1.922786875	1.493928073	-1.455248089
PLEKHG1	ENSG00000120278.15	1.683716692	3.764423117	4.815051268
SNORA31	ENSG00000199477.1	-0.313357131	0.41535532	0.412803182
AC091959.3	ENSG00000275740.1	0.903146872	-0.535355914	-0.594717685
TDRP	ENSG00000180190.11	-1.700206008	0.904664513	3.524089032
AC092117.1	ENSG00000276791.1	0.1291274	0.912687602	-1.251453259
AC015712.2	ENSG00000259583.2	0.401647459	0.510900433	-0.605084093
RNA5-8SN4	ENSG00000275215.1	0.763322178	0.253213604	-0.378490591
SUGT1P3	ENSG00000239827.8	0.744439722	0.508854243	0.122679138
AL662797.2	ENSG00000272273.1	-0.140789736	-1.373405788	1.682385527
TMEM240	ENSG00000205090.8	-0.21368292	0.846890968	2.282581478
AP006545.1	ENSG00000260949.1	1.384904124	-0.342999754	0.819275165
BEX2	ENSG00000133134.11	2.468791758	4.749027519	6.925704299
RN7SL431P	ENSG00000264384.2	-0.264708591	0.173550691	-1.44662317
CYCSP24	ENSG00000227666.1	0.483412568	2.009935684	-0.544267906
RN7SL657P	ENSG00000264293.2	-0.426647183	2.481785833	2.637581656
AMDHD1	ENSG00000139344.7	-0.661785698	1.458617897	0.157762885
PTGER4	ENSG00000171522.5	-1.18857226	-0.536125758	0.150507915
AC040162.3	ENSG00000263126.1	-0.577616888	-1.050162562	0.196229544
AC098614.1	ENSG00000213846.5	4.57206845	3.024307782	2.175728639
NTN1	ENSG00000065320.8	-1.003101614	0.22601112	-0.37270453
HSPD1P1	ENSG00000213430.6	-0.886994176	-0.542879272	-1.319205156
KLF7	ENSG00000118263.14	2.48117459	3.498334502	3.111013236
PSCA	ENSG00000167653.4	0.770580449	0.940416152	-0.850813149

AC007216.3	ENSG00000261560.1	0.176947407	-1.182315502	-0.367670516
LINC01786	ENSG00000230415.1	-0.519682534	1.638397094	0.035135388
SEMA6B	ENSG00000167680.15	5.05569373	4.923974777	7.304910819
TPD52L1	ENSG00000111907.20	6.431039058	3.81671265	6.024454143
CYP39A1	ENSG00000146233.7	-1.312332937	0.461306306	0.657823926
AP000873.1	ENSG00000241020.1	-1.32404758	-1.219867727	-1.264550762
AC132938.6	ENSG00000279744.1	-0.359719817	-0.312655406	0.349189543
BATF2	ENSG00000168062.9	1.436693313	-1.242207717	1.165218487
AC008764.6	ENSG00000269399.2	1.066360387	1.069255913	-0.671836114
Z92544.2	ENSG00000261659.2	0.532918704	0.521644361	0.717343103
LYRM9	ENSG00000232859.9	-0.040066962	2.378113558	2.468756222
SNORD52	ENSG00000201754.1	-1.334926474	-1.413062438	-1.531291791
MIR877	ENSG00000216101.3	-0.613181804	0.298561366	-0.120348949
AC092718.7	ENSG00000278985.1	-1.806928637	-0.848716219	-0.393575293
MIR3176	ENSG00000266235.1	3.526508378	1.682420427	2.498740816
YPEL1	ENSG00000100027.14	-0.728851681	-1.194878272	1.482251325
MIR198	ENSG00000284121.1	-1.687474593	-1.354862332	-1.611832435
TLE2	ENSG00000065717.14	1.770589692	1.648776957	1.929865813
AC137723.1	ENSG00000264569.1	-0.633184402	-0.640156376	-0.086703733
SNHG22	ENSG00000267322.2	-0.956468996	1.862470624	1.60613556
AC109587.1	ENSG00000244513.6	1.214867153	-0.682804225	0.417106762
ZNF233	ENSG00000159915.12	-1.63188668	-0.309683905	1.401520998
AC092902.5	ENSG00000284624.1	0.793011823	1.913619534	2.229547537
CLSTN3	ENSG00000139182.13	2.593651411	3.716646132	3.352773602
RGS9	ENSG00000108370.16	1.501649505	-1.221994743	3.778689457
LINC00310	ENSG00000227456.7	0.530890353	-1.103269617	-0.427216376
DICER1-AS1	ENSG00000235706.7	-0.547636879	-0.343489635	0.467007949
AC096586.1	ENSG00000272936.1	0.763810657	-0.497481898	1.077690985
ARL17A	ENSG00000185829.17	0.106702889	-0.669031517	1.886195693
AL390195.1	ENSG00000243960.1	0.877357582	0.763812081	0.13274148
ARL17B	ENSG00000228696.8	-0.583312238	-0.726825674	2.175895925
ZC3H10	ENSG00000135482.6	2.608467526	1.843106741	-0.675252567
ZFH2-AS1	ENSG00000157306.14	0.245961883	0.916461263	-0.701273234
AC008494.3	ENSG00000271797.1	-0.04062615	-0.922544267	-0.447818719
RPL37P6	ENSG00000241431.1	0.771992778	0.865947231	-0.365302693
IPO9-AS1	ENSG00000231871.5	0.209578792	-1.138783799	-1.672995427
AC116667.1	ENSG00000271009.3	-1.294291713	-0.875791563	-0.185237194
MIR4700	ENSG00000284143.1	-1.659263771	-1.514959699	-1.677924149
IQCH	ENSG00000103599.19	1.074782988	1.566047516	1.031868491
AC080112.2	ENSG00000266208.1	2.312372921	4.170975139	2.533386709
AC007318.1	ENSG00000172974.11	0.418629749	-1.442761157	-1.12247823
SNORD58C	ENSG00000202093.1	0.422942286	0.654261121	1.614694842
Z98882.1	ENSG00000277142.1	1.022671709	1.218522065	0.097761839
AC020663.3	ENSG00000275056.1	-0.962664016	-1.293949319	-1.035259452
CNTNAP1	ENSG00000108797.11	4.664127358	3.877319256	2.75078203
BMP4	ENSG00000125378.15	2.774032738	-1.417435141	2.230103884

AL604028.2	ENSG00000234329.1	-1.01414309	-0.214481697	-0.159372103
MIR1182	ENSG00000283799.1	-1.385741547	-1.424228358	-1.50990712
CRYGS	ENSG00000213139.7	-1.499008112	1.154029976	1.745608703
FAM160A1	ENSG00000164142.15	1.75584147	0.732219303	1.743967767
KLHDC1	ENSG00000197776.7	-1.808934762	-0.946130768	-1.186998284
NEK11	ENSG00000114670.13	-1.376792768	1.479782002	0.10384413
CDNF	ENSG00000185267.9	0.676018834	1.472875608	-1.051811871
AL671277.2	ENSG00000237669.1	-0.466839024	-0.888148324	-0.626528292
AC073342.1	ENSG00000231840.1	0.072551514	-0.214592586	0.759089275
SNORD100	ENSG00000221500.1	4.138451742	2.124368519	0.454475129
PCDHGB1	ENSG00000254221.2	2.765703586	1.734632499	-1.017881333
AC087190.4	ENSG00000263244.2	2.740804903	2.718768752	5.016403713
AC110285.6	ENSG00000275966.1	-0.334552915	0.513677501	1.278941191
SPTLC3	ENSG00000172296.12	-0.593907287	2.762323376	-1.432731639
AL035252.3	ENSG00000277938.1	0.617229832	1.539772323	-1.381646617
MIR1914	ENSG00000284433.1	-1.781681513	-1.355629078	-1.47212538
CYSRT1	ENSG00000197191.4	0.929567531	1.599762105	-0.369757676
DNAJC19P5	ENSG00000225808.1	1.031533225	0.427255691	2.068194506
PCDHGB7	ENSG00000254122.2	-1.420649271	-0.35854389	0.418534664
AL354872.2	ENSG00000271992.1	0.638331503	0.413652355	0.552130067
CDKL3	ENSG00000006837.11	0.402530223	-1.482429808	2.578543224
MIR922	ENSG00000284146.1	-1.577711189	-1.414937579	-1.623625091
AC009902.3	ENSG00000272425.1	-1.273035831	-0.010296943	0.309266431
PCDHB16	ENSG00000272674.3	3.951152008	-1.355772037	3.656164809
AL359752.1	ENSG00000261662.1	0.921356636	-1.691692137	1.067265963
AL390066.1	ENSG00000224950.2	1.057593645	0.260536421	-1.458612221
AL008721.2	ENSG00000272977.1	-0.892105441	-0.399606812	-0.654845652
AL512408.1	ENSG00000260063.1	1.047628317	0.091301481	-1.642288746
CETN4P	ENSG00000224786.2	0.040619313	0.253442549	-0.112007666
TMEM42	ENSG00000169964.7	3.999768932	3.35229715	2.267204372
PHF11	ENSG00000136147.17	3.718860274	2.503690616	2.60817529
ROCK1P1	ENSG00000263006.6	-1.388819773	-0.444689609	0.529435961
TMSB15B	ENSG00000158427.14	0.237361213	0.126823894	0.616724675
RTL5	ENSG00000242732.4	0.361885559	1.033017874	-1.691748243
AP001350.2	ENSG00000280010.1	2.021291697	-0.927055272	1.093187645
RPL7P23	ENSG00000244363.3	0.30442036	-1.078482556	-0.517660158
MATN1-AS1	ENSG00000186056.9	1.692241968	1.584129607	-0.959160071
NARF-IT1	ENSG00000266236.1	-0.513584349	-0.218803094	0.447231711
AC019080.5	ENSG00000280374.1	-1.567694791	-0.299471893	-0.376636717
NAPA-AS1	ENSG00000268061.5	0.583473065	-1.251588397	-0.193001064
BEND7	ENSG00000165626.16	1.536686438	3.009061344	2.125003021
AC027575.2	ENSG00000264278.1	-1.28432022	-0.536581899	-0.027671825
AL031665.2	ENSG00000276026.1	-0.679972627	0.104385522	-0.523520684
Y_RNA	ENSG00000206990.1	-1.691874183	-1.563987676	-1.812964714
IQCD	ENSG00000166578.9	0.679019332	1.329126144	-1.048866286
RTN4RL1	ENSG00000185924.6	-1.030763283	-0.188722816	4.970459341

TTC28-AS1_2	ENSG00000276150.1	0.639529784	0.301654483	1.327311634
SMG1P5	ENSG00000183604.14	0.66158476	-0.529014488	0.437284846
AL109614.1	ENSG00000276603.1	-1.430369252	0.390323754	0.820639454
AL121753.1	ENSG00000261582.1	0.462885224	-0.292247822	0.55495832
TBX18	ENSG00000112837.16	3.329622233	3.258644097	-1.165975313
MIR3615	ENSG00000284186.1	-1.06210049	2.779185927	2.063134637
RN7SL608P	ENSG00000239884.3	0.507498474	1.163690302	1.244695884
AC233728.1	ENSG00000233250.1	0.711591897	0.684075121	0.602123767
PNMA2	ENSG00000240694.8	-1.703438551	2.960666718	2.159406736
AC091825.1	ENSG00000280047.1	-1.267390148	-1.3455151	-1.11759861
AC023355.1	ENSG00000259488.2	0.174931173	-0.393391099	-1.484625827
AC008764.8	ENSG00000279529.1	-0.604498445	1.002564467	-0.213225353
PLAG1	ENSG00000181690.7	3.278334231	2.593588907	-1.764902756
AC092614.1	ENSG00000227542.1	-1.235267201	-1.435602592	-0.036447303
AC012313.2	ENSG00000268049.1	1.219023389	0.300048551	-0.285531948
AC110769.2	ENSG00000270019.1	-1.754191715	-0.70663691	-0.959748471
ARNTL2	ENSG00000029153.14	2.266395007	2.040868883	2.67301713
AC008438.1	ENSG00000249637.1	0.710626889	0.231459119	-0.6888023
GAS6	ENSG00000183087.14	3.143478231	2.475587403	4.043951687
MIR6824	ENSG00000284364.1	-1.749824958	-1.57784445	-1.800862625
FHDC1	ENSG00000137460.8	1.267396128	1.11769443	0.227427358
STXBP2	ENSG00000076944.15	-1.446695178	5.584778169	2.097239263
RNY3P15	ENSG00000252106.2	-1.487422882	-1.441457116	-1.539876257
PCDHGA2	ENSG00000081853.14	1.228179952	-0.578649376	-1.67137585
TMEM38A	ENSG00000072954.6	2.572200945	3.151019509	0.633048071
AL137077.2	ENSG00000283078.1	0.812157947	-0.970273808	-0.182334958
C11orf94	ENSG00000234776.4	1.020679831	-1.131178526	-1.070877818
MIR4751	ENSG00000283842.1	-1.602124139	-1.632071092	-1.723489412
AC023908.3	ENSG00000261136.1	-0.367404623	0.123434246	-0.351401497
SNORD70	ENSG00000212309.1	0.005742963	-0.717645551	-0.978777587
ZNF763	ENSG00000197054.11	-0.14151926	-1.20197738	0.066407279
ELOVL7	ENSG00000164181.13	-1.177956946	4.546028819	5.02746289
TMEM178B	ENSG00000261115.5	2.309206274	-0.425559506	1.38183271
RPL23P2	ENSG00000176054.6	-0.09502257	0.684296687	0.454613574
ADAMTSL4-A	ENSG00000203804.4	-0.123877505	0.097757024	-1.60192185
IRX6	ENSG00000159387.7	-0.467650679	3.208945267	3.764783932
ZC2HC1C	ENSG00000119703.13	-1.595841713	1.039606291	1.823656533
MIR3198-2	ENSG00000283803.1	-1.682771278	-1.886593836	-1.850488171
AL355802.2	ENSG00000219470.1	-0.686544756	-1.230698201	-0.830714599
GPR162	ENSG00000250510.7	-0.764667358	0.652209037	-1.216467822
NRP1	ENSG00000099250.17	5.360262923	3.393831261	-0.067502534
RASGRP3	ENSG00000152689.17	-1.834020233	2.297481084	4.799980061
AC010980.1	ENSG00000237732.9	-0.765987802	-0.864146315	-1.023150832
CDC42EP5	ENSG00000167617.2	2.131633193	1.883794414	2.89308322
RPL10P6	ENSG00000230076.1	0.384222135	-1.263823893	-0.643853304
SNORD102	ENSG00000207500.1	-1.461754756	-1.470882583	-1.7161338

MIR5587	ENSG00000266124.1	0.895903289	-0.226297804	2.201678882
AC008610.1	ENSG00000248367.1	-0.005516372	-0.305924723	0.599780702
PPP3CB-AS1	ENSG00000221817.9	2.090412548	1.14591346	-0.366362793
AC009237.15	ENSG00000273305.1	0.705507045	-0.77160132	1.722258441
TMEM202-AS	ENSG00000261423.1	-0.376476203	-0.002730743	-0.105817192
EMG1	ENSG00000268439.5	1.864678956	1.540227004	0.106424059
IQGAP2	ENSG00000145703.15	1.416052303	-1.527916339	1.896036753
AC027309.2	ENSG00000253683.1	0.576695228	0.070866384	-1.250109831
SPTBN2	ENSG00000173898.11	5.201016176	4.205494773	4.378441835
AL662797.3	ENSG00000272540.1	0.611015057	0.51522991	-1.335347509
AL031282.2	ENSG00000268575.1	2.029414908	-0.615734266	1.562997824
AC124944.3	ENSG00000260261.2	-1.411715473	1.322213744	1.442925874
HSP90B2P	ENSG00000259706.1	-0.060281852	-1.527239407	0.869477522
LINC02018	ENSG00000272690.5	0.560729383	-0.948161056	-0.807453678
Metazoa_SRF	ENSG00000277578.1	-1.545612469	-1.774155271	-1.992992095
SNORA57	ENSG00000206597.1	4.340125609	2.23381152	1.949981558
AC015909.3	ENSG00000261959.1	1.903422725	3.904113792	1.55436187
MIR6506	ENSG00000284184.1	2.700650687	3.772110177	2.626351508
AP000526.1	ENSG00000271127.1	-0.209105279	0.243404699	-1.261226521
RHOQP2	ENSG00000232742.3	-0.503859992	1.29452166	1.89941702
UXT-AS1	ENSG00000267064.1	-0.742871179	0.320969125	-0.407541114
RPL7AP50	ENSG00000213609.3	1.045600008	0.42464714	-1.470248429
SNORD51	ENSG00000207047.2	0.305483299	0.586317455	-0.54220391
PMS2P6	ENSG00000174384.9	-0.033509049	-0.266428518	-0.264610171
RFTN1	ENSG00000131378.13	2.732355871	4.117288548	-1.579801782
GLIDR	ENSG00000278175.3	1.440647947	0.302689031	-1.580148791
CASP10	ENSG00000003400.14	2.335566651	3.030541963	4.597350041
TCF7	ENSG00000081059.19	1.618669014	1.49196322	4.741946284
ZNF582	ENSG00000018869.16	1.455560714	0.771979998	0.900950841
AC011461.1	ENSG00000267197.1	-0.113752447	0.057279821	-0.158771129
LINC01234	ENSG00000249550.6	4.769552574	4.460288456	1.21590208
AL031848.2	ENSG00000271746.1	-1.022084454	-0.238849514	-1.070274093
Z97832.2	ENSG00000272374.1	-1.500439774	-0.526299825	-0.039862421
AL669831.4	ENSG00000230092.7	0.794740252	0.666809409	0.677370904
TCEA1P2	ENSG00000230409.3	-0.17004306	0.078597578	0.54930271
MYB	ENSG00000118513.18	1.651054263	1.137917347	-1.703124514
ACTG1P20	ENSG00000241547.1	2.059280267	-0.625731251	-1.115170961
AC068620.2	ENSG00000269921.1	0.775759445	0.216420857	0.228904514
Y_RNA	ENSG00000201217.1	0.146867612	0.955523906	-0.252562155
CHN2	ENSG00000106069.21	1.608925196	3.428116799	6.743245112
PCNPP1	ENSG00000258359.1	1.263812398	0.465679906	-1.258175279
HNRNPKP4	ENSG00000243547.1	-0.376171144	-0.967105861	-1.957053678
AL591848.4	ENSG00000260855.1	-0.661509485	-0.216130631	-1.092902017
Y_RNA	ENSG00000200121.2	-1.607248675	-1.610691158	-1.619499368
SLC7A5P1	ENSG00000260727.1	1.389153773	3.473903499	4.416820261
AL031847.1	ENSG00000226944.1	2.20246946	1.930927528	-0.881940328

PRR19	ENSG00000188368.9	1.352025115	2.072863719	-1.313730425
GPR160	ENSG00000173890.16	0.337024568	3.827724439	2.510387796
AC009137.2	ENSG00000266801.1	-0.861502728	-0.085168027	0.885093216
AC013731.1	ENSG00000270557.1	-1.803714295	-0.087596252	0.259085224
AC010654.1	ENSG00000277369.1	0.821562157	1.096303784	-0.562140651
INTS6L	ENSG00000165359.15	0.95669909	-1.773181908	2.140597706
AC002470.1	ENSG00000272829.1	0.095861462	-0.159196228	-0.879792997
AP000704.1	ENSG00000224790.2	-1.294777317	-1.083116537	0.393285786
AC068896.1	ENSG00000258539.1	0.094866082	0.372797941	0.090482067
AC114490.1	ENSG00000241014.1	0.17063205	-0.676763146	-2.063380499
LINC00173	ENSG00000196668.3	-0.630684707	2.434706718	1.474569627
Y_RNA	ENSG00000200170.1	-0.120161036	0.499847169	1.293119845
GAL3ST4	ENSG00000197093.10	2.168151668	1.657603949	-1.734629354
NTN4	ENSG00000074527.11	3.147271676	-1.695091416	-1.13671611
FOXO3B	ENSG00000240445.3	0.167242607	-0.869139813	0.844767776
ATP10B	ENSG00000118322.12	3.020870019	2.527959265	-1.167344931
AC020898.1	ENSG00000213757.3	-0.661651108	-1.123097949	-1.276051025
AL008729.2	ENSG00000272379.1	-0.573550541	4.916332486	3.580533868
MIR6797	ENSG00000276926.1	1.9144914	2.516099088	1.802460867
LINC01023	ENSG00000272523.1	1.150075904	-0.346201141	1.701512109
NP1PB11	ENSG00000254206.5	0.014785016	-1.02008372	-0.203184534
AC073487.1	ENSG00000257509.1	-0.302696373	-0.100485698	-0.627540405
ONECUT2	ENSG00000119547.5	-1.904134639	1.64162121	0.93598118
AL390879.2	ENSG00000234062.7	-0.589043829	0.488621292	1.372265597
AC005911.1	ENSG00000278356.1	-0.524875044	-0.09649171	0.596071737
RN7SKP269	ENSG00000202415.1	1.021447868	0.071053289	-0.870620712
ZNF575	ENSG00000176472.10	1.975457592	0.233641959	2.052910072
KCNJ14	ENSG00000182324.6	0.944325602	1.458671836	0.311479064
AL365181.3	ENSG00000272405.1	6.048801905	1.253626468	-1.413153413
SLC25A34	ENSG00000162461.7	-0.236456314	0.791390215	-0.809223954
MIR1306	ENSG00000284464.1	-1.539931763	-1.624721675	-1.763577662
MIR4687	ENSG00000284525.1	-1.494276181	-1.446895063	-1.544349572
GCSHP3	ENSG00000237580.1	-1.775224095	-1.66391799	-1.688991735
FTH1P10	ENSG00000223361.5	-0.61847229	0.04768506	-0.120533873
AC020910.5	ENSG00000279329.1	1.363411903	0.959114751	-0.559765378
SNORA73A	ENSG00000274266.1	-1.288292618	-1.574795091	-1.609964693
EEF1A1P9	ENSG00000249264.1	0.421005798	-1.064852877	-1.009720081
SHANK3	ENSG00000251322.7	0.217591114	2.98559479	1.584816144
AL645933.2	ENSG00000272221.1	-0.6081736	-0.31016621	-1.489922792
AC008895.1	ENSG00000279948.1	-0.353599528	-1.369949695	-0.055364518
MIR671	ENSG00000284191.1	-1.900953994	-1.71574666	-2.027916983
AC005306.1	ENSG00000267283.1	-0.642890199	2.165005155	0.286569832
ABCG2	ENSG00000118777.10	1.230336196	2.285202688	3.159609649
AL450003.2	ENSG00000234779.1	1.484797634	-0.457802824	-0.875332604
KANSL1-AS1	ENSG00000214401.4	1.744996732	-0.61646329	3.680345602
AC007256.1	ENSG00000213090.2	-1.396885154	-0.669725594	1.266476684

AL357140.2	ENSG00000228150.1	0.321888369	1.040494425	-0.326859453
AC093010.3	ENSG00000259976.3	0.734951543	-1.421663482	2.030789952
ANKRD23	ENSG00000163126.14	0.136431442	3.437981707	3.311498002
SNORA51	ENSG00000271798.1	1.893998958	1.347462637	-1.553605518
MAP6D1	ENSG00000180834.7	0.130252745	2.992711421	2.604572274
RPS13P2	ENSG00000228929.1	0.131345379	-0.556112182	-0.53530379
MAP3K8	ENSG00000107968.9	-1.32515309	0.403586902	1.757854314
C6orf52	ENSG00000137434.11	0.050006287	-1.374461473	0.780579029
AP000487.1	ENSG00000246889.2	0.496044561	0.198825185	0.61983022
GNB3	ENSG00000111664.10	2.238501081	2.030450335	-0.531408938
PDLIM1P4	ENSG00000249274.1	-0.233174556	2.180963704	3.541436912
AC092070.2	ENSG00000269001.2	0.141822157	2.218620987	-1.581595139
CHRNA10	ENSG00000129749.3	-1.167028418	-1.203037421	-0.423312258
JMJD1C-AS1	ENSG00000272767.1	-1.555819461	-1.404923247	-1.590187885
COL4A1	ENSG00000187498.14	7.7860434	6.563168783	-1.269077963
IL11RA	ENSG00000137070.17	3.406223944	1.482661967	-1.477948371
HMGB1P1	ENSG00000124097.7	-0.634274165	0.926082462	-0.364215409
AL122020.1	ENSG00000213315.5	-0.234850664	-0.397838987	-1.710205826
DPY19L2P3	ENSG00000227855.3	-1.043972121	0.285324515	-0.586187968
C2orf82	ENSG00000182600.9	-0.745084286	1.578417917	0.045588405
MED14OS	ENSG00000234636.2	-1.010317328	-1.307115978	-0.149884164
SRRM3	ENSG00000177679.15	3.027492938	4.799565835	3.109112038
ITGB4	ENSG00000132470.13	-0.737188192	0.099818853	0.747215345
DOCK3	ENSG00000088538.12	-1.930017848	1.754788891	2.536465955
SAP30L-AS1	ENSG00000245275.7	-0.245388471	-0.181555956	0.494212522
ZNF626	ENSG00000188171.15	3.086153555	2.609049102	-1.552486462
TSNAXIP1	ENSG00000102904.14	-0.633385168	-0.983261831	-0.091523677
TAS2R15P	ENSG00000212125.2	-1.895511091	-0.986101714	1.183396323
TPI1P1	ENSG00000226415.1	0.290581673	-0.864419477	-1.071969067
AC108673.3	ENSG00000273437.1	0.256030028	-0.202631387	0.026841743
AC011979.1	ENSG00000239470.3	0.793842858	-0.250814724	-0.831603419
AC026691.1	ENSG00000270021.1	-0.698346587	-0.249060289	0.386623741
AC097263.1	ENSG00000228519.3	-0.07039104	-1.07380294	-1.403104547
AC084824.1	ENSG00000257511.1	-0.704256896	-1.449306752	-0.923111046
TAPT1-AS1	ENSG00000263327.6	0.524882648	-0.47653061	1.487324431
AC023055.1	ENSG00000257390.5	4.162380501	0.126465749	0.599883811
B4GALNT3	ENSG00000139044.10	2.148551381	2.328041368	5.456704994
HIST2H2AC	ENSG00000184260.5	2.342022213	1.781793928	-1.586908128
CISH	ENSG00000114737.15	-1.429987312	1.867334778	0.731215493
ARHGAP4	ENSG00000089820.15	4.535461303	1.631441595	0.255946302
AC084880.1	ENSG00000213144.2	-1.188583803	0.134755238	0.700253532
HNRNPUL2-B	ENSG00000234857.2	3.111495841	1.81562824	-0.803043482
SLC2A3P1	ENSG00000253861.1	-1.342415332	-1.545615169	-1.556055974
SLC13A3	ENSG00000158296.13	1.973657553	-2.111253174	0.96065462
PLA2G4B	ENSG00000243708.10	0.082669225	2.216250163	1.495099151
SNORD25	ENSG00000275043.1	-1.409936307	-1.602104756	-1.94728229

AC005224.1	ENSG00000231595.1	0.143625359	-0.182754548	-0.694751002
ELL3	ENSG00000128886.11	-0.315853607	0.670771728	-0.016566813
EIF1B-AS1	ENSG00000280739.2	-1.560759373	-0.929975015	-0.906182535
AC139530.3	ENSG00000275902.1	-0.889073649	-0.398332011	-0.970605662
SPRED3	ENSG00000188766.12	3.861754599	1.144311056	1.094073509
AC124319.2	ENSG00000263069.5	-0.541135831	-1.136175842	0.632302401
IPO5P1	ENSG00000269837.1	3.260087363	1.501506853	0.671334313
PMS2P5	ENSG00000123965.13	1.790252409	1.604706308	3.226617331
AC096642.1	ENSG00000277007.1	-1.067497593	-1.662130197	-0.771160946
AL022311.1	ENSG00000279738.1	-0.567344869	-0.857569706	-0.7493349
COL5A2	ENSG00000204262.11	5.243503144	5.12328793	0.201438802
NPPA-AS1_3	ENSG00000275915.1	-0.102552381	0.353030474	0.858797049
AC021755.3	ENSG00000259584.1	-1.108079034	-1.048017894	0.739467115
AF129075.1	ENSG00000231125.2	-1.182352134	-0.684123673	-0.823554735
AC067750.1	ENSG00000272631.1	-0.121349977	-0.960811362	-1.013283502
LCP2	ENSG00000043462.11	1.409109187	5.784410767	5.95412357
ARFGEF3	ENSG00000112379.8	-0.388740936	2.333898056	3.171957504
SNORD1B	ENSG00000199961.1	1.37924723	1.737455313	3.902691597
AC078785.1	ENSG00000240057.5	0.353365995	-0.074464332	0.506564632
AC005674.2	ENSG00000261490.1	-0.341614335	-0.729454801	1.635493439
SDCBP2	ENSG00000125775.14	0.550997874	1.813109732	-0.378867884
KCNK2	ENSG00000082482.13	-0.833546675	-1.547574502	-1.838594686
snoU2_19	ENSG00000275146.1	-1.593408387	-1.981412132	-1.406660213
AC000068.1	ENSG00000185065.6	-0.562909138	-0.91872706	-1.171324721
MIR4523	ENSG00000284162.1	-1.531662804	-1.437430298	-1.597903575
AL732372.2	ENSG00000237094.12	1.873188543	1.492148836	0.564374488
NPW	ENSG00000183971.6	-0.214301355	0.019881791	-0.091272826
FBXO15	ENSG00000141665.11	-0.773922104	-0.293894366	0.827896002
SHB	ENSG00000107338.9	4.891149122	4.041576202	2.391979754
AL163051.1	ENSG00000260806.1	-0.061485885	-0.017766081	-1.792504425
YWHAZP3	ENSG00000229932.3	-0.747402234	-0.582652518	-1.42250034
AC124016.2	ENSG00000273156.1	-0.281757965	-0.963281355	-1.260670056
CCDC146	ENSG00000135205.14	-1.211059294	1.086211461	0.935388041
PHOSPHO1	ENSG00000173868.11	-0.317850317	0.329294569	-1.176097677
SCARNA22	ENSG00000249784.1	2.681311017	-0.174563814	-0.146378929
AL031719.2	ENSG00000280231.1	0.357719536	-1.751300887	2.050361477
SEMA3D	ENSG00000153993.13	2.280983727	-1.726357847	2.946665208
AC005005.3	ENSG00000273387.1	0.789312887	2.168645874	0.853643991
AP000866.6	ENSG00000279342.2	0.051773056	-0.833890166	-0.850337537
INPP5J	ENSG00000185133.13	1.134902292	-1.539542928	0.045502128
AC079305.1	ENSG00000222043.2	-1.366351273	0.069580662	0.007490551
LCMT1-AS1	ENSG00000260448.5	0.408532688	0.019098182	0.178729839
MAP3K7CL	ENSG00000156265.15	0.22755117	1.530822348	1.34490269
AC011499.1	ENSG00000267157.1	-0.309068805	-1.003515239	-0.683142483
MIR3605	ENSG00000284154.1	1.869259169	0.014818804	1.213296322
CDRT4	ENSG00000239704.10	1.453983746	0.556453893	-0.76214625

FAM212A	ENSG00000185614.4	0.315637131	4.182571903	-1.767125743
AC080080.1	ENSG00000279048.1	-1.544652068	-0.351232955	-0.583803702
KCNG1	ENSG00000026559.13	5.783956362	3.94981465	-0.865860666
ZNF540	ENSG00000171817.16	-1.636361754	-1.326402929	0.614561928
AC012181.3	ENSG00000261270.1	0.792279812	2.571507315	2.178974102
CFAP53	ENSG00000172361.5	-0.303444197	-1.661765319	-1.705425325
INHA	ENSG00000123999.4	0.985963051	-1.32507243	-0.496200914
SNORA59A	ENSG00000239149.1	0.414208097	0.765847473	0.801374972
AC022558.1	ENSG00000259767.1	-0.879421831	-0.980648154	-1.078900361
AL355032.1	ENSG00000241494.1	0.086809574	-1.399377375	-0.781753309
AC008622.2	ENSG00000275719.1	1.006363324	-0.416780651	2.179438326
AC007683.1	ENSG00000224415.1	-1.292811095	-0.314781908	-1.250994812
AC156455.1	ENSG00000256546.1	-0.095314416	0.846607536	2.179196207
LONRF2	ENSG00000170500.12	2.778224612	3.551074007	1.879038401
AC006001.4	ENSG00000275400.1	-1.721718912	-1.443249599	-2.142524591
TIGD4	ENSG00000169989.2	0.897250268	0.670030012	1.509229883
SNORA79B	ENSG00000222489.1	0.674213721	-0.184050506	1.667809864
AL356299.2	ENSG00000272945.1	0.268509074	0.331874076	-0.744182016
TFAP2E	ENSG00000116819.6	-1.925924883	0.004734697	0.394852139
SNORD26	ENSG00000276788.1	4.543668908	3.614055236	2.988609902
NID1	ENSG00000116962.14	7.545115344	-2.132992569	5.038134677
AL031666.3	ENSG00000273451.1	-0.280322106	0.484689001	-0.867407255
AC139795.3	ENSG00000272459.1	-1.36047038	-1.318864549	-0.439950875
MYCL	ENSG00000116990.10	-0.001586359	0.891815691	0.066258992
AL442128.2	ENSG00000277767.1	-0.683455696	-0.810045758	-0.324900202
AC091152.2	ENSG00000267160.1	-0.735537012	-0.210796269	-0.774776936
TNFSF13	ENSG00000161955.16	-1.522853885	-0.888673804	3.385991826
PAQR7	ENSG00000182749.5	3.84357165	3.109940181	3.858678228
AL157400.5	ENSG00000249962.1	-0.970075797	-0.332331329	-2.056029446
CUBN	ENSG00000107611.14	0.138220566	0.287572681	-0.80162786
SNORD50	ENSG00000202335.1	-1.620018973	-1.666721497	-1.714849271
CEP295NL	ENSG00000178404.9	-1.287068095	-0.10226564	0.648649054
SSSCA1-AS1	ENSG00000260233.3	0.444451507	0.838349735	1.008708207
AL391825.1	ENSG00000229808.1	1.656007916	1.465501954	0.589941464
ZCCHC18	ENSG00000166707.10	-0.19839915	-0.890440435	-1.451336008
BPTFP1	ENSG00000263647.1	-1.530712871	-1.359616757	-1.890085225
SSC4D	ENSG00000146700.8	-1.036523933	-0.101263314	-1.902238012
AL645940.1	ENSG00000272217.1	1.091979981	-0.32096678	-0.245952445
FTH1P7	ENSG00000232187.1	-1.134638937	-1.294833648	-0.744028901
AC099522.2	ENSG00000272525.1	1.908882831	-0.663886127	1.231971452
SLC45A2	ENSG00000164175.14	-1.696703764	8.457650276	8.441725759
snoZ196	ENSG00000281780.1	0.153927621	0.505464766	0.722181168
EIF5AL1	ENSG00000253626.3	0.173354528	-1.521718993	-1.682951823
AC100778.2	ENSG00000263916.1	-1.305929134	-1.950868513	-0.370305469
FAP	ENSG00000078098.13	2.309774834	2.677360706	1.943801139
HIST2H2BC	ENSG00000203819.6	0.69495486	0.652171755	-1.254936466

AC112484.2	ENSG00000231305.3	-1.494369565	-1.05145653	0.05994836
AC022762.2	ENSG00000267940.1	-1.53480336	0.027792997	-0.993961964
PARD3B	ENSG00000116117.17	-2.017074061	1.657188931	2.659101112
PTGES	ENSG00000148344.10	6.289078756	3.250747797	0.174798379
CDK5R2	ENSG00000171450.5	-0.892734984	-0.467807802	-0.716844267
ZNFX1-AS1_3	ENSG00000277967.1	-0.921973268	-1.770063565	-1.701237186
TNFRSF11A	ENSG00000141655.16	-0.135048366	1.073426846	0.694371131
FUT8-AS1	ENSG00000276116.2	0.932629998	-0.83643941	-1.028268292
EFNA3	ENSG00000143590.13	2.477964249	2.646714977	0.852439549
AL121772.1	ENSG00000274414.1	2.993171432	-0.319979236	-1.804361741
GPM6B	ENSG00000046653.14	-2.164630037	6.250542699	7.692793196
AC005829.1	ENSG00000261575.2	-0.912762147	0.193027745	1.730142556
AC005520.1	ENSG00000258653.3	-0.763475542	-0.981558431	0.392182332
RTCA-AS1	ENSG00000224616.1	0.515812453	0.788307782	-1.041712432
FMR1-IT1	ENSG00000236337.1	-0.955825764	0.632926755	-0.205002846
SATB1	ENSG00000182568.16	2.766150629	3.885118749	4.052933271
U73166.1	ENSG00000230454.1	1.834291115	-0.268291805	-1.954655485
SNORA7B	ENSG00000207088.1	1.592443659	2.120841342	-0.06351857
AC007637.1	ENSG00000256139.2	-0.976018093	1.262278393	-0.037177585
FAHD2CP	ENSG00000231584.8	1.24368025	2.927629163	1.92058285
AL138759.1	ENSG00000244332.1	3.516290109	2.211660152	-0.361890419
ANKRD6	ENSG00000135299.16	0.543994458	4.624687346	4.365670864
GNL3LP1	ENSG00000215032.2	0.791611951	0.321966836	1.189938228
AC009078.3	ENSG00000280152.1	-1.929984819	-1.29040653	-1.596480798
RSC1A1	ENSG00000215695.1	-1.220820053	-1.609368302	-1.628585248
MIR3191	ENSG00000284411.1	-1.900934776	-0.594880336	-1.698464851
AC009309.1	ENSG00000273080.1	1.866974954	1.322176166	-0.411942989
AC136632.1	ENSG00000218227.3	0.086538106	-0.876603351	0.029868406
ZDHHC2	ENSG00000104219.12	3.3370641	2.30890398	4.781898513
AC022893.1	ENSG00000253636.1	-0.300010316	-1.462763508	-1.743773061
TPTE2P6	ENSG00000205822.10	-0.795471273	0.458606351	0.692512732
AC084824.4	ENSG00000275854.1	-0.82781366	-0.128165952	-0.399601031
AC022613.2	ENSG00000259523.1	0.253487753	-0.641109822	-1.130206179
TECRP1	ENSG00000235043.3	-0.303491699	-0.974617901	-0.103449235
AC090004.1	ENSG00000268279.4	-0.386859356	-0.287689729	-1.053930391
RASL11A	ENSG00000122035.6	1.800096866	0.373631941	0.298271724
AC022150.4	ENSG00000269825.1	3.008417034	1.772037337	2.924633066
AC019205.3	ENSG00000235174.1	1.911495855	0.490508652	1.296793411
AC015712.6	ENSG00000272808.3	0.828344498	-1.998082661	2.838670949
AC067931.2	ENSG00000280303.2	0.957336272	-1.55204128	-2.208960702
HCG25	ENSG00000232940.5	1.409176046	0.355939502	1.839253277
AC006111.2	ENSG00000263235.1	2.0559078	-0.426666822	-1.688052377
MIR1281	ENSG00000284015.1	-1.68378905	-1.543126553	-1.579739609
AC026471.4	ENSG00000261474.1	2.155293759	1.54719993	-1.136519613
MIR3610	ENSG00000283956.1	-1.663322367	-1.738295555	-1.849085731
Y_RNA	ENSG00000200651.1	-0.39325315	2.069502538	1.320876047

AC127459.1	ENSG00000260566.2	0.139720437	-0.104545038	0.656169488
AC023024.1	ENSG00000259172.1	-1.747185392	-0.665264828	-0.896082908
CEP83-AS1	ENSG00000278916.1	-0.68936874	-0.421645265	-1.24396939
AC024909.3	ENSG00000274021.1	0.085176282	1.151689119	-1.718516799
MORF4L2-AS1	ENSG00000231154.1	-1.966535026	-1.381922483	-1.418182605
BCO2	ENSG00000197580.11	-1.637678242	0.827484425	0.819210704
AC108673.2	ENSG00000273174.1	0.138020591	-1.337139593	0.195210556
SNORA27	ENSG00000207051.1	-1.068058952	-1.497992656	-1.773966827
C16orf74	ENSG00000154102.10	1.370791843	2.303547538	-2.089777692
AP002847.1	ENSG00000279138.1	-1.659360588	-1.073475974	0.515960917
GRPR	ENSG00000126010.5	-1.892335851	-0.864293449	-0.792543085
LENG9	ENSG00000275183.1	3.492516974	2.600191167	-1.926337506
ST20-MTHFS	ENSG00000259332.3	0.891764807	2.562328383	1.477372342
AL139407.1	ENSG00000277687.1	-0.859334029	-0.690849402	1.489767497
RUSC1-AS1	ENSG00000225855.6	1.919446888	0.859903283	0.40747868
PDIA3P2	ENSG00000224677.1	0.719958082	-0.196513797	-1.304548324
FAM169A	ENSG00000198780.11	3.417846754	1.419076184	3.376994591
PSPC1P1	ENSG00000227879.2	-0.231212217	-0.285174976	-1.425247574
NRTN	ENSG00000171119.2	1.716884689	2.482896069	2.966908542
C14orf37	ENSG00000139971.15	-1.27860109	2.679578066	2.785568924
FIRRE	ENSG00000213468.5	1.168957002	1.497042132	-1.054079104
uc_338	ENSG00000274420.1	-1.201143612	-1.98834179	-2.079029531
ACBD7	ENSG00000176244.6	1.802111925	-1.175753001	-0.212963584
AC004839.1	ENSG00000272854.1	0.069009638	-0.894757936	-1.680145573
ASLP1	ENSG00000244723.3	-0.864955082	0.204634072	-0.413625582
AC073389.1	ENSG00000268584.1	0.355106452	-1.134722663	-0.58904342
HIST1H2BL	ENSG00000185130.5	-1.018088771	-1.05418106	-1.619253551
ADNP-AS1	ENSG00000259456.3	-1.147385174	-0.755095654	-1.290010039
CRISPLD1	ENSG00000121005.8	3.7154317	4.038322522	3.53449913
AC073352.1	ENSG00000272662.1	-0.47200234	-0.943603926	-1.923716801
AC138393.3	ENSG00000278467.1	0.831463354	-0.253094839	-1.430030828
AC013394.1	ENSG00000279765.3	0.133274836	-1.014899761	1.019884654
AL365434.2	ENSG00000273124.1	2.666115527	-1.299337062	-1.16365756
AC017083.2	ENSG00000273064.1	-1.091446024	-0.218928378	-1.453987374
AC021945.1	ENSG00000279347.1	0.399825522	-0.861917402	-1.997728331
NDUFA4L2	ENSG00000185633.10	2.00347578	0.216842117	2.098274171
IQCH-AS1	ENSG00000259673.5	1.843508157	-0.754601043	1.52006214
LINC02021	ENSG00000249846.6	-0.283012627	0.668179486	-0.597370595
SLC9A7	ENSG00000065923.9	2.917249118	2.935812113	3.083292493
ZEB1	ENSG00000148516.21	4.25287843	0.544063544	3.357407683
RNA5SP244	ENSG00000212238.1	-1.49773729	-1.860245687	-1.91303586
BOC	ENSG00000144857.14	2.312918749	2.051686491	2.773558632
KCNJ2	ENSG00000123700.4	-0.040979617	-1.047129159	-0.335994468
ZNF788	ENSG00000214189.8	4.710473322	-0.893137945	2.668806025
C1QTNF3	ENSG00000082196.20	0.971497978	-0.737496639	0.090232414
C7orf61	ENSG00000185955.4	-0.797210906	-0.753210758	-1.24041603

MIR4775	ENSG00000284079.1	-1.62475552	-1.360866819	-1.778817322
KLHL7-AS1	ENSG00000230658.1	-1.039383068	0.319847958	2.570319106
TRIM51	ENSG00000124900.12	3.389770594	2.874337343	4.462742786
SNORD14B	ENSG00000201403.1	-1.80133586	-1.914953286	-2.066917768
ENO1-IT1	ENSG00000236269.1	0.068776011	-0.266091529	-0.11761682
SUSD5	ENSG00000173705.8	4.194248743	0.698515595	1.896810054
CLDND2	ENSG00000160318.6	2.154883718	0.078273207	-1.007011113
AC073107.1	ENSG00000272693.3	-1.299614009	-0.864860601	-2.065154373
FAM72C	ENSG00000263513.5	2.175330477	0.76817818	-1.25140498
AC099343.2	ENSG00000270426.1	-1.476912839	-0.998873796	-0.956043605
LINC00461	ENSG00000245526.10	1.922867862	-1.140393484	-1.931634044
SLC26A4	ENSG00000091137.11	-0.72830811	0.205896289	1.907509213
AC241585.3	ENSG00000281571.2	0.372707725	0.903485033	-1.161824954
NBPF25P	ENSG00000272150.5	-0.984800604	-0.361967171	-1.445837322
METTL7A	ENSG00000185432.11	1.715110197	-1.840598422	2.520846169
AC005329.1	ENSG00000248015.6	0.902045891	-0.368749213	-1.049384553
SNORA40	ENSG00000210825.1	-1.862808401	-2.055356918	-2.215650308
NMRAL2P	ENSG00000171658.8	-1.262185521	1.697331775	2.564574849
AC010894.2	ENSG00000226853.2	1.041685565	1.565329481	1.615828503
AC027612.3	ENSG00000232531.3	-0.920207923	-1.963549503	-0.942345593
AC009118.3	ENSG00000276259.1	1.46175631	-1.063983414	-0.58589229
RNU6-312P	ENSG00000201499.1	-0.366490251	0.281531726	0.095733602
LOXL2	ENSG00000134013.15	6.3764687	2.815007143	-1.864084731
AC016629.1	ENSG00000268784.1	-1.613708684	-1.741768828	-1.810628994
uc_338	ENSG00000274051.1	-0.345943089	0.976467255	0.358305215
CCDC17	ENSG00000159588.14	-1.119972945	-0.153285565	-2.263146887
AL356056.2	ENSG00000231187.2	0.825481074	-0.669696363	-0.415558947
AC025164.2	ENSG00000245904.3	-0.831052211	-0.340465434	-0.116854162
LINC01232	ENSG00000280734.2	2.469227574	-1.220345305	0.163149316
PRKAG2-AS1	ENSG00000239911.2	0.311809485	2.347951594	0.455847603
DLG2	ENSG00000150672.16	1.647436673	-0.959846003	1.186832116
ZNF596	ENSG00000172748.13	1.572212427	0.576092079	0.556021233
AL080276.2	ENSG00000227627.2	-0.651502003	-1.433752203	-0.140272888
SLIT2	ENSG00000145147.19	2.700113063	-1.727957253	1.726653183
FAM35BP	ENSG00000165874.12	0.079756388	-1.530435797	-1.852912319
AL138995.1	ENSG00000277763.1	-0.90436495	-1.125640738	1.171433319
AC010997.4	ENSG00000272692.1	-1.482173095	-0.779390935	-0.405006014
LINC02361	ENSG00000256576.2	-1.902926081	-2.008990132	-1.181798012
RPL13AP20	ENSG00000234498.3	2.001485043	0.224162936	-1.668174249
AC004492.1	ENSG00000272072.1	-1.122445084	-1.608775147	-0.37312275
SNORD42B	ENSG00000238423.1	1.472157178	1.477602907	-0.408959397
LYZ	ENSG00000090382.6	4.119238338	-0.354643433	0.022110241
NECTIN1	ENSG00000110400.10	4.684021656	3.422924878	-1.772535605
CNKSR2	ENSG00000149970.14	3.083957281	1.737059778	1.624183712
APBA1	ENSG00000107282.7	-2.226994876	2.176070456	0.47353054
AC026471.6	ENSG00000280132.1	0.357649769	-0.768280702	0.887511244

SNORD45C	ENSG00000206620.1	-1.842485338	-1.738701843	-2.292727089
ANXA2P2	ENSG00000231991.4	-0.45610071	-0.419428094	-1.670183338
AC092803.2	ENSG00000260805.2	0.524212752	-1.124025003	0.982563148
BRSK2	ENSG00000174672.15	0.949328656	3.615210093	0.440935561
AC011477.1	ENSG00000267419.2	2.474324627	1.778254094	0.952293064
AC073367.1	ENSG00000225213.2	-2.061891206	0.117095141	0.962587967
CALML6	ENSG00000169885.9	-1.093020962	-1.169325094	-2.127249309
MIR6087	ENSG00000275110.1	-1.439789206	-0.30952266	-0.33558534
FAM86B1	ENSG00000186523.14	0.644669404	0.484232949	-1.130322321
EMILIN1	ENSG00000138080.13	7.131035499	-1.923689305	6.26023848
NTNG2	ENSG00000196358.10	0.427845546	1.466203743	-0.887986701
AL080317.2	ENSG00000271789.1	-0.641357565	0.980462314	-0.729404619
AC008752.3	ENSG00000267370.1	-1.208708547	-1.095023683	1.068036892
B4GALNT1	ENSG00000135454.13	6.049238167	1.281246177	4.202485127
CLTCL1	ENSG00000070371.15	2.523017959	1.539686298	-1.907038786
ARHGAP28	ENSG00000088756.12	-1.374316925	2.012412399	0.936734529
HSPD1P4	ENSG00000257576.1	-1.32526847	-1.724497624	-1.650080152
AC002094.4	ENSG00000277450.1	-0.636135199	0.926069593	0.766430002
AL139424.2	ENSG00000284642.1	-0.238037347	-0.03675677	-1.914095708
MIR4517	ENSG00000284541.1	-1.569227876	-1.637713073	-1.887940247
UGDH-AS1	ENSG00000249348.1	-0.806354584	-1.654297571	1.926917358
RGS9BP	ENSG00000186326.3	0.101924612	0.179185576	1.399596343
AL024507.2	ENSG00000272476.1	1.102713096	0.389599607	-1.667625544
AC004943.1	ENSG00000259209.3	-0.84276371	-1.067091481	-0.806631501
AC005540.1	ENSG00000235852.1	0.603872381	0.681006851	1.77769486
RPL3P2	ENSG00000227939.1	-0.172573953	-0.616030332	-1.031002126
PTPRU	ENSG00000060656.19	3.337730442	5.725532496	-1.53217709
AC128688.2	ENSG00000261488.1	-0.693864822	0.214547131	0.823829768
FAM71F2	ENSG00000205085.11	-1.617187304	0.23941786	-1.397933104
SOX8	ENSG00000005513.9	1.643312332	2.517273624	3.84588757
WTIP	ENSG00000142279.12	-2.290554703	-0.44536783	-2.178739579
TREX2	ENSG00000183479.12	2.179756401	2.653700078	-0.085865638
RAG1	ENSG00000166349.9	-0.290770525	-0.95543445	1.236950577
TNS1	ENSG00000079308.16	-1.913728411	2.740933408	4.737952023
CCNYL2	ENSG00000182632.15	1.155398915	2.150139737	2.678089015
AC125388.1	ENSG00000241069.1	-1.707068872	-1.686147078	-1.98038024
AL603750.1	ENSG00000280099.1	-1.781045823	-0.643370913	-1.326718192
AC013403.2	ENSG00000272148.1	-0.645499221	1.146953435	-2.203715453
PDE5A	ENSG00000138735.15	1.269818714	2.759111597	2.293610016
AP006222.1	ENSG00000228463.10	-1.233595158	-0.128949995	-1.270672877
MORF4L1P1	ENSG00000218283.2	-0.169217094	-0.717277494	-0.389131677
RNU6-146P	ENSG00000207332.1	-1.677831592	-2.068764866	-1.681173485
GNAL	ENSG00000141404.15	1.113956665	4.136924975	-0.995867968
PCDHGA7	ENSG00000253537.2	2.868289067	2.285386784	-1.739359363
AC126474.1	ENSG00000279148.1	1.275964135	-0.538198571	-1.452433527
SOCS1	ENSG00000185338.4	-1.834432928	-0.751380226	0.166899494

MIR612	ENSG00000283791.1	-1.869260758	-1.475690432	-2.013146205
IDI2-AS1	ENSG00000232656.7	-1.387255413	0.971772839	4.669430977
AL162258.2	ENSG00000272030.1	1.531968285	0.830743585	-0.003700694
AC127070.5	ENSG00000278949.1	-0.395465621	-0.648349664	-1.289169962
AC008434.1	ENSG00000249655.1	-1.707813587	-1.767474517	-1.146308356
AGGF1P2	ENSG00000233435.2	-0.742984488	-0.582236505	0.868603164
ZNF114	ENSG00000178150.9	-2.080937548	5.003146536	-0.918453423
SNORD55	ENSG00000264294.1	-1.868449244	-1.936842608	-2.114421003
AC005785.2	ENSG00000279203.1	0.555838411	0.844009493	-0.868499897
RBFADN	ENSG00000261126.7	-0.688251346	-0.303428234	-1.63407517
AC245297.1	ENSG00000215861.5	0.331216966	1.661333195	2.602598034
TMEM110-M	ENSG00000248592.7	0.678060613	1.057734483	-2.187290692
AC098583.1	ENSG00000244538.1	0.175672498	-0.824002683	-1.089365246
AL442663.3	ENSG00000258813.2	-1.073015593	-0.770108433	-0.666931944
AC244093.4	ENSG00000277589.1	-1.293141836	-0.627458668	-0.199506949
AC053513.1	ENSG00000256973.1	0.415379024	-0.38754415	-0.56657466
AC009570.1	ENSG00000272986.1	-1.521648687	-0.263580483	0.295350369
IRF4	ENSG00000137265.14	-2.315624442	5.822498583	6.130535979
YWHABP2	ENSG00000256464.1	-0.058285393	-0.432814283	-0.629203507
AL136304.1	ENSG00000272223.1	0.628514759	0.692005258	-0.495217998
TUB	ENSG00000166402.8	2.416686217	4.460327719	3.357641733
TUBA3FP	ENSG00000161149.12	0.360399287	-0.046793948	-0.857728375
AC021106.1	ENSG00000249863.2	1.977626789	0.276669678	1.763196362
AC131009.4	ENSG00000279283.1	-2.308905008	-1.390786532	0.295789567
ADAM12	ENSG00000148848.14	1.989416574	0.467466131	-0.360366869
AC025682.1	ENSG00000263766.5	-1.091360344	0.284303617	1.891493623
BMS1P4	ENSG00000242338.6	0.288788159	-0.604605349	-0.238873826
CENPS-CORT	ENSG00000251503.8	1.360979509	0.618047693	-0.893999207
AP000866.1	ENSG00000245498.6	-1.130276988	-1.882329631	0.183786154
SNORD88B	ENSG00000221381.1	4.388342513	4.545134492	3.115210901
ZNF502	ENSG00000196653.11	0.929819514	1.364431749	-2.104230946
AC108727.1	ENSG00000248773.1	-1.525643615	-0.152187652	-1.25932429
PRRT3	ENSG00000163704.11	1.123863725	1.84738123	2.298271215
MIR6845	ENSG00000284142.1	-1.597196203	-1.617174383	-2.283027046
AC245100.4	ENSG00000231551.8	-1.043689555	0.822720319	-1.612982383
AC241952.1	ENSG00000275131.2	-1.457621074	0.880292516	0.143475003
PPIAP11	ENSG00000251495.1	0.252546187	0.212878975	-1.074333464
RPS6P25	ENSG00000240616.1	-0.069258491	0.083357924	-0.044842018
RPL39P34	ENSG00000242255.1	-1.568441319	-0.965551781	-1.435975105
LEPR	ENSG00000116678.19	0.981549506	-2.41253911	3.037336128
LCA5L	ENSG00000157578.13	-0.236350958	-0.003668944	-0.204312067
RCOR2	ENSG00000167771.5	-0.310702357	0.847647175	3.030190215
LINC01002	ENSG00000282508.1	1.17101341	1.533119681	0.477762365
GPR75-ASB3	ENSG00000270898.5	-0.219062032	-0.85036964	-1.916379745
AC137630.3	ENSG00000272434.1	1.142407127	1.325004762	-1.671388419
FAM171A1	ENSG00000148468.16	3.887665699	4.264999002	-2.362404347

STX11	ENSG00000135604.9	-1.633094135	3.432141459	-1.941365088
KIF21B	ENSG00000116852.14	4.236868877	-0.801596174	-2.316965538
DIP2A-IT1	ENSG00000223692.1	-1.197679197	-1.173642755	-1.800497104
MIR6084	ENSG00000284005.1	-1.992111831	-1.84191085	-2.149819333
AL391834.2	ENSG00000273226.1	0.613373537	0.01977447	1.541925148
AC068491.4	ENSG00000279191.1	-2.180957752	-1.044350689	-1.609322527
ALDH3B1	ENSG00000006534.15	3.196865255	2.795559329	-2.018221197
STAM-AS1	ENSG00000260589.1	-2.293021938	-0.713888299	-1.030935989
AL122035.1	ENSG00000258824.2	-0.273066419	0.398658816	-1.310221635
AHNAK2	ENSG00000185567.6	1.462331827	3.427919577	-2.234687127
MIR937	ENSG00000284224.1	-0.365496299	0.541944406	-2.100735323
GPC6	ENSG00000183098.10	4.811205559	3.432117823	1.331500137
AC040169.3	ENSG00000274677.1	0.304915953	-1.116063104	-0.098134752
CRABP2	ENSG00000143320.8	1.051644202	1.739922587	2.399704559
SETD8P1	ENSG00000279730.2	-0.185516301	-1.575281522	-0.522234821
RN7SL832P	ENSG00000243819.4	0.913933266	0.482757246	-2.147390173
RGS17	ENSG00000091844.7	2.176951581	1.293013939	0.431829901
MIR6838	ENSG00000283969.1	-1.373794071	-1.365340079	-1.787782933
RPL15P18	ENSG00000228501.2	0.488117334	-0.425816643	-0.082981905
FGF22	ENSG00000070388.11	-1.027288145	-0.75338809	-1.010160654
PSD	ENSG00000059915.16	-1.042272618	-0.743300608	1.298528031
SNORD89	ENSG00000212283.1	-2.078834519	2.334377894	2.458408395
AC007566.1	ENSG00000244055.1	-1.533130046	-1.741363307	0.087138986
SERPINF1	ENSG00000132386.10	4.036617309	-1.863649332	5.525737092
AC092168.2	ENSG00000232034.1	1.000918158	0.57083343	-1.339958708
ZNF75D	ENSG00000186376.14	1.852149186	1.010203175	0.833499224
ELFN1	ENSG00000225968.7	-0.839743068	2.011338721	-2.304504452
AC104794.2	ENSG00000260077.1	-1.371090949	1.897302404	-0.125575226
AL135905.2	ENSG00000266680.1	0.101756083	1.806079509	1.402409085
AC026271.2	ENSG00000224126.2	-0.543503826	-1.27315914	-1.104675621
POC1B-AS1	ENSG00000270344.2	-1.496145641	-1.89422882	-2.20943538
AL133355.1	ENSG00000260461.1	1.006613768	-1.365208708	-2.01261294
AC084262.1	ENSG00000260253.1	-1.192881131	-0.292641899	-0.242772514
SNORA61	ENSG00000278274.1	-1.695476212	-1.648296964	-2.466626818
RPSAP9	ENSG00000234618.1	1.412071591	0.800816923	-0.086571188
ZRSR1	ENSG00000212643.2	-1.443283075	0.103484318	-0.567079147
AC109326.1	ENSG00000279602.1	1.670969538	0.395401909	-0.419344931
AC005154.3	ENSG00000244480.1	-0.500303471	1.285003532	0.116903529
OPRD1	ENSG00000116329.10	4.192010524	2.664718716	-1.845706295
RNF139-AS1	ENSG00000245149.3	1.236787701	1.27110795	1.121056208
AC104113.1	ENSG00000272308.1	-0.378281281	-0.309618077	0.083938734
AP001527.2	ENSG00000277459.1	-0.014285243	-1.44600186	-0.873016115
AC015799.1	ENSG00000279432.1	-1.607632678	-2.203923445	-1.46097593
AC096536.3	ENSG00000242396.1	1.798836562	1.780686575	0.745788015
ARHGAP45	ENSG00000180448.10	1.123048564	1.59322459	5.373454623
AL671710.1	ENSG00000273192.1	0.092806317	-1.619068015	-1.800086253

AC068587.6	ENSG00000283674.2	-2.163662945	3.285384936	2.498166031
AC084117.1	ENSG00000256006.1	0.85855685	1.314787705	-0.882091224
AC093768.1	ENSG00000183199.6	-1.342847379	-1.825024237	-1.641746011
NPIPB12	ENSG00000169203.16	1.445628809	-0.580506268	1.678583978
AC068587.7	ENSG00000284613.1	-2.18563726	4.436135938	-0.923385555
AC016629.2	ENSG00000269032.1	0.933375821	-0.727051285	-0.626474894
AC020978.8	ENSG00000263276.1	-0.902651888	-2.027601925	-0.273334201
NCAPGP1	ENSG00000250290.1	-0.941323285	-2.356950878	2.888493918
STK32A	ENSG00000169302.14	-1.654307093	3.183484022	5.480642572
SCARNA18	ENSG00000252139.1	-1.701077353	-0.085399668	-1.998608784
RPL23AP74	ENSG00000227694.1	1.202717022	-1.68830792	-0.54738513
MED12L	ENSG00000144893.12	2.36602164	1.488427001	-2.059200042
ADAP1	ENSG00000105963.13	0.560858987	-1.354888358	-1.606433162
RPS20P21	ENSG00000244295.2	-2.166708567	-1.626498412	-1.764603895
PPP1R9A	ENSG00000158528.11	1.769962544	1.585720076	2.500871829
AL592148.3	ENSG00000272750.1	0.486632715	-1.860864502	-1.000569247
THSD1	ENSG00000136114.15	-2.387039208	1.154217747	1.225835048
AC006511.3	ENSG00000279865.1	-1.735032756	-1.030366753	-2.153609885
DZIP1	ENSG00000134874.17	5.65789084	4.718114604	3.670802933
AC245595.1	ENSG00000232527.7	1.03544033	2.140401793	-0.538811589
AC108704.2	ENSG00000279500.1	-0.463306837	0.108971294	2.338476459
YPEL4	ENSG00000166793.10	1.976518139	2.43474517	3.013945301
RN7SKP16	ENSG00000222112.1	2.266588046	-0.302258213	1.254952061
CRYM-AS1	ENSG00000189149.12	0.098002734	-0.416487838	-0.002220327
FAM186B	ENSG00000135436.8	-0.86367169	-0.527847929	-0.872207105
AC104109.2	ENSG00000270177.1	0.504569271	0.273165505	-1.892018583
PKD1P5	ENSG00000254681.6	-1.158394736	1.243185451	1.49102689
MTND5P11	ENSG00000248923.1	-1.963578164	-0.25252945	-0.205899751
MROH8	ENSG00000101353.14	-0.591381525	1.327892584	-0.985438322
MAOA	ENSG00000189221.9	1.874175146	3.497242326	4.153059765
uc_338	ENSG00000277916.1	-2.447099534	-1.68313919	-1.635238328
CITED4	ENSG00000179862.6	6.2490726	1.003453251	2.749573905
AC100827.3	ENSG00000260534.1	-1.333236656	-1.971911385	-1.85984366
MTSS1	ENSG00000170873.18	1.061619913	2.325665108	6.878260294
RPS2P55	ENSG00000216866.5	-0.360010073	-1.529238808	-1.4103701
SYNJ2BP-COX	ENSG00000258644.5	0.056268418	-0.587079372	0.856561876
IDNK	ENSG00000148057.15	1.955809005	3.077388766	0.893973632
AF201337.1	ENSG00000254332.1	-1.026009273	0.122704407	-1.212113355
PPP5D1	ENSG00000230510.6	-1.690937259	-2.258069908	-1.150116759
HMG3-AS1	ENSG00000270362.1	-0.230948695	0.177073566	0.22876504
RASSF2	ENSG00000101265.15	-1.984928137	3.353829291	1.175289941
MGC16275	ENSG00000246731.2	0.280731426	3.232505349	1.803635017
MYEF2	ENSG00000104177.17	3.5826613	4.849590867	5.280095161
SYTL2	ENSG00000137501.17	4.063838296	3.366848084	4.627125602
TNFRSF25	ENSG00000215788.9	2.916107606	2.891374463	0.459661614
AC024580.1	ENSG00000279794.1	-0.079487261	-1.216853048	0.330102333

NEURL1B	ENSG00000214357.8	-1.378746864	-1.866946852	2.915803258
ANGPTL1	ENSG00000116194.12	1.039808896	-1.724159908	-1.694732582
AC108693.1	ENSG00000239280.1	-1.646742368	-2.041008083	-1.161127662
HNRNPA1P8	ENSG00000229251.3	-0.85832045	-2.248381551	-2.368623186
MAP7	ENSG00000135525.18	-0.274668226	4.939540068	2.371239035
KRT8P33	ENSG00000250539.1	-0.255631617	-0.285567494	0.08670535
AMY2B	ENSG00000240038.6	-2.609179861	0.388074831	-2.424367891
AC087741.3	ENSG00000279259.1	0.01397965	0.614230224	1.079206457
ADSSL1	ENSG00000185100.10	1.550106967	2.719899969	-1.803124034
TOMM6	ENSG00000214736.7	8.098570771	3.047699113	1.43445064
STPG3-AS1	ENSG00000275549.1	-0.181972406	0.529132531	-2.088720535
GNG7	ENSG00000176533.12	2.934072225	4.276911126	6.243525985
AL160236.1	ENSG00000258656.1	-1.713524394	-2.314459966	-1.638994527
DDX50P1	ENSG00000229816.1	-1.834306934	-1.547852555	-2.127674698
BX284668.5	ENSG00000238142.1	2.297176782	-2.648700731	0.431494939
RORA-AS1	ENSG00000245534.6	1.059661607	-1.314611301	1.659323423
AL161729.1	ENSG00000271155.1	0.938378694	0.980881248	-0.651092737
AC145124.1	ENSG00000255495.1	-1.756960243	-0.144233136	-0.04916183
LINC01285	ENSG00000203650.8	-0.054350512	-0.214810105	0.795273261
AL513497.1	ENSG00000279443.1	1.684655212	-0.270182686	-2.63617623
C9orf43	ENSG00000157653.11	-1.349902667	1.16424679	-0.954881886
ANGPTL6	ENSG00000130812.10	-0.533828467	-0.203481699	-1.492030695
HOXC11	ENSG00000123388.4	2.57965241	-2.396327071	-0.612500613
MLH3	ENSG00000119684.15	-1.808976326	1.180018306	3.673231146
AC069224.1	ENSG00000260572.1	-0.069502317	-0.425209907	0.085673815
ALDH5A1	ENSG00000112294.12	2.760413778	1.782151769	4.020517422
ABCG4	ENSG00000172350.9	-1.216012942	0.373527115	-0.685255458
AC008567.3	ENSG00000278611.1	0.113628459	-1.047873343	-1.433464656
NEK10	ENSG00000163491.16	-0.055856709	-1.266084698	-1.818251429
AC116407.2	ENSG00000277511.1	0.098329043	1.568494584	1.206423323
PHKG1	ENSG00000164776.9	-2.331254774	-0.098284347	-2.366532819
AL110118.2	ENSG00000259066.5	-1.281061762	1.015990683	-0.554898007
BRWD1-AS2	ENSG00000255568.3	-1.299945292	0.423559546	-1.107508178
MTX1P1	ENSG00000236675.1	-0.702085572	-1.110334481	-1.474361303
EPB41L4A	ENSG00000129595.12	0.747022532	3.277201295	4.586921276
AC018553.1	ENSG00000277559.1	2.58170689	1.61602431	2.593901975
NTAN1P2	ENSG00000250569.1	-0.435875469	-1.112570971	-0.760738542
NAT8L	ENSG00000185818.7	4.126354467	2.720796437	7.405148961
AC027290.2	ENSG00000280138.1	-1.73454161	-0.620214148	-0.15454834
PIN4P1	ENSG00000227973.1	-2.045595052	-0.411926146	-0.482689078
CCDC150P1	ENSG00000256304.1	0.373504329	-0.641885298	-1.11827232
PRSS27	ENSG00000172382.9	0.190024106	-0.184390407	-0.91785673
AC106785.4	ENSG00000261620.1	0.775762775	-1.334935684	-2.354583113
AC087392.3	ENSG00000262228.2	-1.420174923	-2.13309243	0.38732603
HSPA6	ENSG00000173110.7	0.855922546	2.183070308	0.95847415
AGGF1P1	ENSG00000214273.4	-2.224760976	-2.299277154	-0.440272879

ANKRD30B	ENSG00000180777.13	-2.27529355	2.693638628	4.247313577
AL109811.2	ENSG00000230337.1	1.275104277	0.558546829	-0.658718987
OSBP2	ENSG00000184792.15	2.002914141	-0.667694115	3.134324147
PRRG2	ENSG00000126460.10	1.389100112	0.808823475	-1.286088471
F12	ENSG00000131187.9	2.255153461	2.213033928	2.466838828
MAP4K1	ENSG00000104814.12	0.185673852	0.038159323	-1.056631928
COL11A2	ENSG00000204248.10	2.558283597	1.249355709	4.289515223
AP001273.1	ENSG00000279696.1	0.15370734	-2.337570196	-1.347475586
RPL4P5	ENSG00000230207.1	-0.967281079	-1.094586728	-0.775698616
AC000120.1	ENSG00000243107.1	-1.895636407	-1.843736843	-0.807320658
F2RL1	ENSG00000164251.4	2.313578567	0.663421626	-1.55980072
AC092329.4	ENSG00000284428.1	3.968580541	2.399853898	1.148129529
CEL	ENSG00000170835.14	-1.649099681	-0.53946724	-1.472449264
HIST2H2BF	ENSG00000203814.6	1.174145085	1.922414346	-1.89528889
C1RL	ENSG00000139178.10	3.581599165	-0.363696108	2.468955051
AKAP5	ENSG00000179841.8	-0.345650481	-1.574188103	-0.607441747
STOX1	ENSG00000165730.14	-2.180407537	-1.97450275	0.352314451
ZNF790-AS1	ENSG00000267254.5	2.565817732	2.857666991	-1.150056775
RN7SL689P	ENSG00000263432.2	2.024076134	-0.335925033	-0.998425703
AL160314.2	ENSG00000258458.5	-1.017195981	-0.848923826	-1.313189337
QRICH2	ENSG00000129646.14	-1.849285064	1.062567744	-1.618053302
IMPDH1P8	ENSG00000224728.1	0.491410862	0.771838513	-0.328171317
AC002558.1	ENSG00000239291.1	-1.721610462	-0.514721969	-1.473878101
AL845472.1	ENSG00000279561.2	-0.234590822	-0.823436231	-0.509924605
LINC01198	ENSG00000231817.7	3.325171034	4.919493129	1.840052163
ST3GAL5-AS1	ENSG00000232504.4	-0.087138915	0.379608473	-0.113777826
CDS1	ENSG00000163624.5	0.846675236	2.293875337	3.009011082
GUSBP2	ENSG00000241549.8	-1.93738192	-1.548394193	0.979094644
PCDHB10	ENSG00000120324.8	1.40602563	-2.216803282	1.770328455
PLCE1	ENSG00000138193.15	1.601645671	-2.158817182	-0.455493363
AC012557.1	ENSG00000271843.1	-0.425521233	-0.106835933	-2.606175322
SNORD27	ENSG00000275996.1	2.404277853	1.747625186	-1.009933114
GFI1	ENSG00000162676.11	0.332062929	-1.970923899	2.953833586
RHEBP2	ENSG00000226964.1	-1.054230263	-0.56377354	-0.254156822
AL359921.2	ENSG00000273058.2	1.232126975	-0.241944441	-0.280449981
UPF3AP3	ENSG00000234709.2	-2.030235954	0.706139043	-0.360829154
MIR100HG	ENSG00000255248.7	5.218720329	-0.389902685	0.070715032
RPL7AP30	ENSG00000241741.1	0.54216288	0.262887654	-2.093304034
ADAMTS1	ENSG00000154734.14	2.670701392	4.649135373	1.891992825
AL162586.1	ENSG00000225032.5	0.196517025	1.218475992	0.204177139
AC010973.2	ENSG00000244151.1	0.154758446	0.337256088	-2.000487392
AC009090.1	ENSG00000260038.1	-1.387189242	-1.647513324	0.364669058
KCNQ1OT1	ENSG00000269821.1	-1.490651455	-0.58216248	-2.623339301
AL031587.6	ENSG00000279010.3	-0.210606901	0.035155199	-0.003535722
LINC01126	ENSG00000279873.2	-0.000463765	-0.333651927	-0.588637745
FLJ37035	ENSG00000224023.10	-0.090709168	-1.664430714	-0.265228468

ST13P6	ENSG00000225259.4	-1.569090923	-2.186644564	-1.438348185
FP565324.1	ENSG00000283199.1	1.493768934	0.548787615	-1.26767493
CTBP2P8	ENSG00000234383.1	-1.266706321	-1.183070376	-1.835596835
RARRES3	ENSG00000133321.10	-0.620642761	-1.999228079	-0.305518428
WWTR1-IT1	ENSG00000241985.1	0.844670848	-0.281292674	0.415821466
AC078820.1	ENSG00000258088.1	3.333054903	-2.170195133	4.416245595
AC010200.1	ENSG00000257803.2	-2.19470099	-0.621058142	-0.005535461
VANGL2	ENSG00000162738.5	1.522803552	5.030713014	4.244342267
ZNF573	ENSG00000189144.13	3.17528785	2.298935862	2.297140649
RARA-AS1	ENSG00000265666.1	1.79209698	0.699519978	1.715341698
AC008429.1	ENSG00000204758.7	-1.640282622	0.562767791	-0.419910125
AC009133.1	ENSG00000238045.9	0.698012645	-1.955746328	0.031003443
RDH5	ENSG00000135437.9	2.349472921	1.085632635	-0.29060004
AL118558.4	ENSG00000272444.1	-0.763457787	0.222364525	-2.270160068
ASAH2	ENSG00000188611.14	-0.897449473	-1.559401612	-1.317086488
RNA5SP392	ENSG00000252714.1	-1.352708781	-1.453200397	-2.239996532
HOTAIRM1_1	ENSG00000276528.1	-1.644537535	-1.350496649	-1.520339289
RNU6-513P	ENSG00000251913.1	-2.248776739	-2.253909867	-1.591241799
AL592158.1	ENSG00000281969.1	-1.205231192	0.145640011	0.284931929
DNM1	ENSG00000106976.20	6.309208568	2.902578514	1.12453019
CCDC110	ENSG00000168491.9	-2.46478557	1.884987451	-0.028001101
AL589765.4	ENSG00000249602.1	-1.090712252	1.330041785	1.784292565
AC007336.1	ENSG00000261997.1	-0.756058111	-2.067194891	-2.096992081
RPS15AP10	ENSG00000225447.1	-0.450524425	-0.93529143	-1.059662546
AC126118.1	ENSG00000271993.1	-0.872811801	-1.017884917	-1.587380196
AL450384.2	ENSG00000240291.1	0.898744642	0.259496309	-0.590030458
SORL1	ENSG00000137642.12	-0.054819559	3.951949651	4.608191841
AC013474.1	ENSG00000235128.1	-1.70987696	1.975418919	1.980850785
AC068790.2	ENSG00000269938.1	0.206006473	-0.128189568	0.843203995
MIR3940	ENSG00000284159.1	-0.447256314	0.243227717	-0.91578638
GMPS1	ENSG00000250471.2	-1.298984844	-1.31778206	-1.355612542
DLX4	ENSG00000108813.10	0.86428632	1.947108655	0.020312802
AL445228.2	ENSG00000271387.1	-1.106907178	-0.040203594	-0.276531695
LINC01816	ENSG00000231327.1	1.331249438	1.627102739	-2.363015336
TMEM255A	ENSG00000125355.15	3.607129279	5.314070951	4.116790506
RPL23AP32	ENSG00000237887.1	-1.245413622	-0.873571463	-0.612110405
AL121612.1	ENSG00000240914.1	-0.756723876	-1.652106959	-2.050292929
AL954705.1	ENSG00000231181.1	-2.137019526	0.158035864	-0.730943459
AP001347.1	ENSG00000224905.6	-0.515136959	-0.199194594	-2.185371955
AL136531.1	ENSG00000229728.1	-0.931815314	-1.327703225	-0.648064169
AC018754.1	ENSG00000272367.1	0.787503538	0.262082071	-0.184774472
TAS2R5	ENSG00000127366.5	-0.079292562	1.287532845	-1.307696801
AC090970.3	ENSG00000274528.1	1.779259874	-0.68820165	-0.974441359
ZNF878	ENSG00000257446.3	1.274686088	-1.693048631	-0.182887209
AC005618.1	ENSG00000272070.1	0.248555411	-2.434098288	-0.84199241
SNORD43	ENSG00000263764.1	1.691571911	-1.157102823	-0.809875392

AL080250.1	ENSG00000225793.2	1.237808501	-0.247042428	-0.815662367
AC073130.3	ENSG00000279086.1	-2.02291385	-2.340126796	0.086469228
MIR2277	ENSG00000284336.1	-1.947309398	-1.745014151	0.524687903
AL136164.4	ENSG00000279312.1	0.447803457	-0.139095438	-2.346989474
GAPDHP33	ENSG00000240244.3	0.380848456	-1.648352711	-0.289414782
AC022784.8	ENSG00000279949.1	-2.340152209	-0.184498716	0.126009664
AP003356.1	ENSG00000253669.3	0.837511904	-2.493098761	-0.341199551
TMEM88	ENSG00000167874.6	0.698771059	0.264577403	-0.621411678
SPATA3-AS1	ENSG00000238062.5	-1.528794201	-0.690924524	-0.993956453
TNFSF13B	ENSG00000102524.11	-1.025128255	2.163903995	0.977053301
SLFNL1-AS1	ENSG00000281207.1	-0.150093793	-1.129635458	-2.11781842
FP236383.1	ENSG00000280441.2	-0.265949666	-1.035645785	-2.100653685
AC024257.3	ENSG00000269514.1	-1.605384161	-1.504860479	-1.493013303
SLX1A-SULT1	ENSG00000213599.10	-1.395076019	-1.904081004	-1.252492827
SLC10A5	ENSG00000253598.1	-1.159390268	-1.608284261	-0.65879119
ARAP2	ENSG00000047365.11	2.352953999	1.889647676	4.383412694
AC022075.1	ENSG00000245648.1	0.640231123	0.53016221	1.59611847
PNPLA7	ENSG00000130653.15	1.602577477	1.451592055	0.192973316
SMG1P6	ENSG00000254634.4	-1.229011393	-2.1139173	-0.711190468
AC087276.1	ENSG00000254463.1	0.230576825	-0.771207764	0.050211933
AC008735.1	ENSG00000267096.1	0.427322614	-1.788735761	-0.144295933
RPL24P2	ENSG00000235065.1	0.913341038	0.233309096	-0.089423876
SRRM2-AS1	ENSG00000205913.6	0.930387851	0.664265436	-1.21959481
DKK3	ENSG00000050165.17	2.967056425	-0.426171776	7.019554252
PHGDH	ENSG00000092621.12	7.533765562	7.212133135	7.408474133
PCDHB3	ENSG00000113205.5	1.332204668	1.093132263	0.650675491
AC015726.1	ENSG00000270091.1	1.041969625	-2.162524137	-0.986362426
AC008569.2	ENSG00000267474.1	-0.64610882	-0.722268447	-0.617330314
GBX2	ENSG00000168505.6	-0.07683763	1.928223781	3.662451627
C1QTNF12	ENSG00000184163.3	1.002871514	0.685152551	-0.704894938
DKK1	ENSG00000107984.9	4.49212805	1.607338959	-1.951805229
DENND6B	ENSG00000205593.11	-0.937964219	-0.875253786	0.36638938
PI15	ENSG00000137558.7	3.930784993	4.301153666	3.730110355
TSPAN7	ENSG00000156298.12	-1.271642238	1.668632315	6.07464316
AC069307.1	ENSG00000269949.1	1.188395399	-0.793162126	-1.753766236
FERMT3	ENSG00000149781.12	-1.562638934	-0.015750417	-1.822629137
LINC01125	ENSG00000228486.10	1.676377439	0.013033495	-2.578744993
LRRN4CL	ENSG00000177363.4	-2.311993231	-1.518787457	3.762674587
RNA5SP424	ENSG00000212290.1	-2.053843396	-2.26749349	-1.944274436
AC008014.1	ENSG00000257261.5	-1.224632315	0.208528879	1.036596952
RPL4P6	ENSG00000230071.2	-1.080504896	-1.24687184	-1.209719953
VN1R82P	ENSG00000268995.1	-1.730951279	-1.93362076	-2.457216796
ADAMTS3	ENSG00000156140.9	2.488762499	1.23057451	1.45887839
mascrNA-me	ENSG00000274072.1	-1.757899232	-2.377099805	-2.098762498
AP001469.2	ENSG00000228137.1	-0.793748652	0.04040699	-1.060908878
AARD	ENSG00000205002.3	2.336426829	0.149987547	-2.399407222

SLC6A17	ENSG00000197106.6	-2.566668442	5.318453818	6.666560866
KIF27	ENSG00000165115.14	1.195314891	1.596316929	0.613369686
AC046143.1	ENSG00000229334.1	0.595379246	-0.580254219	-1.54332804
AC122718.1	ENSG00000250461.1	-0.353850843	0.015198594	-1.199054289
AL078621.1	ENSG00000144158.4	0.114601878	-0.021899565	-2.539104812
CRYAB	ENSG00000109846.7	2.317441759	3.546973894	0.435759427
PIGZ	ENSG00000119227.7	-1.393175697	1.947892703	-2.282760766
LINC01176	ENSG00000281404.1	-1.314655159	0.89618082	-0.898261989
AL133461.1	ENSG00000282413.1	2.034755652	-1.607088516	0.908580283
HIST1H2BG	ENSG00000273802.2	1.028426795	1.545531908	-0.618291563
AL451050.2	ENSG00000272205.1	1.040136923	-1.207874268	-0.969898809
AC099568.2	ENSG00000272931.1	-0.325777976	0.20895747	1.567582203
PLA2G12AP1	ENSG00000224680.4	-0.67724001	-1.569506531	-0.700927708
RABGEF1	ENSG00000284461.1	1.640334026	3.105567591	0.507063827
SNORD60	ENSG00000206630.1	0.425062089	-1.205995555	-2.074103536
TMEM9B-AS1	ENSG00000254860.5	0.486216688	2.064639268	1.8658379
RPL12P12	ENSG00000236992.2	0.055461312	-0.00918077	-1.3748698
KIAA1456	ENSG00000250305.8	-2.409122565	3.150434936	3.329257993
RPLP0P2	ENSG00000243742.5	-2.42612188	1.450520723	1.874186368
RNU1-103P	ENSG00000252311.1	-1.460365175	0.501536668	0.895029557
AF129408.1	ENSG00000272991.1	-1.502939641	-0.660726855	-1.19864519
CDK20	ENSG00000156345.17	2.759835471	3.05134743	1.905738421
SLC23A3	ENSG00000213901.10	-1.307291145	0.80000572	1.811233785
AC006213.1	ENSG00000266921.1	-1.246409655	-2.47082551	-1.085591126
RIMS3	ENSG00000117016.9	-1.819679438	0.017354143	3.014454708
AC130650.2	ENSG00000276564.1	-1.287358266	-0.542904579	-0.059565904
AC010980.2	ENSG00000267034.1	-2.356265914	0.389971836	-0.601167388
AC009269.5	ENSG00000259744.1	-0.49784156	-1.346335792	0.2089658
AC025283.2	ENSG00000262621.4	-0.421527764	0.529926777	0.815879314
SPOCD1	ENSG00000134668.12	3.647214411	2.395367141	-2.315578932
DTX2P1	ENSG00000186704.9	-2.464618945	0.58096934	0.879101572
MIR3656	ENSG00000283704.1	-1.872713281	-2.665181372	-2.749809887
KRT18P5	ENSG00000236670.1	-1.200908145	-0.172179919	1.891187105
AC074212.1	ENSG00000259605.3	0.203648932	-0.052071079	-1.559404358
HNRNPA3P12	ENSG00000219102.3	-1.609393956	-1.31035582	-1.879399699
NACAD	ENSG00000136274.8	0.07157132	1.684734574	1.492360549
EGR2	ENSG00000122877.15	-0.906823857	2.426819543	2.424757101
AL513477.1	ENSG00000269896.2	1.38628984	1.858479157	-2.329288471
RPS20P14	ENSG00000223803.1	0.143802302	-2.083159334	-0.98958542
AC073912.2	ENSG00000256299.1	-1.646486245	-0.491920841	1.723189405
EIF1AXP1	ENSG00000236698.1	1.901088796	-1.708877616	-1.529052917
AC025287.2	ENSG00000276408.1	0.98390706	-1.5376867	0.072866414
AC040160.1	ENSG00000262691.1	0.933948274	-0.684682514	0.022412372
AC016876.3	ENSG00000276384.1	1.181048056	-1.102452012	-0.137611194
RUNDC3B	ENSG00000105784.15	-0.185648337	0.297024892	1.033949326
AL451074.2	ENSG00000224358.1	0.290072561	-0.08517854	-1.946469506

SND1-IT1	ENSG00000279078.1	-2.143935152	0.557684877	-0.847985968
AC012651.1	ENSG00000258461.5	-2.085497325	0.552071318	0.879629623
AC006463.2	ENSG00000235459.5	-0.592169486	-0.603166321	-1.836625525
C18orf65	ENSG00000275763.3	0.259631284	1.625042694	1.055628128
ACTBP7	ENSG00000185607.5	0.16108104	1.053045156	1.365278101
RPA4	ENSG00000204086.4	-0.766244559	0.150699875	-0.118856138
CYP27C1	ENSG00000186684.12	2.291070687	-2.723125268	-1.246409534
AL133325.3	ENSG00000278041.1	0.059018283	1.869658457	-1.384004534
AC090616.7	ENSG00000278867.1	-1.636208854	-1.297305873	-0.23896306
SCARNA17	ENSG00000251992.1	-0.403719158	3.341387483	2.710969728
HSPD1P11	ENSG00000251348.1	-2.191577697	-2.106246517	-0.258310859
SNORA17B	ENSG00000276161.1	2.954903378	3.027693197	2.05204592
RHOA-IT1	ENSG00000235908.1	-1.600519556	-1.430250543	-2.040422192
PLLP	ENSG00000102934.9	0.021263269	-0.259788345	-2.260103507
LINC01465	ENSG00000221949.5	-0.754321216	0.085656118	-2.356488824
HIST3H2BB	ENSG00000196890.4	0.532104305	-0.634511856	-3.08632407
LAT2	ENSG00000086730.16	0.7980532	1.2611402	2.463833259
MIR4800	ENSG00000284276.1	-1.396730532	-1.508286895	-1.54322875
NDUFA6-AS1	ENSG00000237037.9	-0.032168936	-0.246753037	0.852165536
POU4F1	ENSG00000152192.7	-0.899597495	1.821809494	4.498466106
AL139289.2	ENSG00000234694.1	1.271769234	0.78087476	-0.563883431
SNORD118	ENSG00000200463.1	-1.61807638	-2.218061177	-2.843754012
AL049844.1	ENSG00000257065.1	-0.52168584	-0.942962301	0.71399028
AC010536.1	ENSG00000226180.3	0.498811555	-0.078914783	-1.108848827
GGTA2P	ENSG00000237766.2	-1.303930823	-0.937419847	-1.30444022
LRRIQ3	ENSG00000162620.15	0.373632216	0.05026041	0.013802903
ADAM1A	ENSG00000229186.4	-1.944263605	-1.22284079	-1.617633658
UNC13D	ENSG00000092929.11	-1.557110355	-0.500396633	1.242559451
AMH	ENSG00000104899.7	3.135749691	-1.820272722	2.127832318
ZNF665	ENSG00000197497.10	0.624166296	-1.161861622	0.252676899
AC132872.2	ENSG00000264548.1	-0.96837467	-0.600693526	-2.033134766
WHAMMP3	ENSG00000276141.4	0.438468133	0.797548433	1.999633928
SNORD5	ENSG00000239195.1	-0.465953567	-2.614728756	-2.01312013
AC024451.4	ENSG00000269924.1	-0.598063343	-1.330874363	-1.355373782
RND1	ENSG00000172602.9	0.114321325	-0.611666393	0.33567308
ASIC3	ENSG00000213199.7	1.916394747	2.401096284	-1.835033846
SNORA5B	ENSG00000200656.1	-2.806225636	-1.926168115	-1.902787244
AL049796.1	ENSG00000260464.1	-0.478693532	-2.687821687	-1.39350141
SLC35E1P1	ENSG00000238286.1	-1.284401216	-0.506567723	1.28213829
FTH1P20	ENSG00000226564.1	-0.616051849	-1.322798934	-0.369098109
AL022068.1	ENSG00000228412.7	-2.217574589	-0.271626524	0.040240507
AC020978.2	ENSG00000259797.1	-1.923855607	-1.363532928	-0.46872587
ACVR1C	ENSG00000123612.15	-1.349423416	1.717751337	1.763683807
AL078644.1	ENSG00000273004.1	0.760575859	0.865161108	-0.470929064
SORD2P	ENSG00000259479.6	-1.997184943	-0.879967562	-1.571583306
DNAH7	ENSG00000118997.13	-1.114272221	-0.178117225	1.471166857

PCDHGA3	ENSG00000254245.2	0.638594429	-0.021372286	-1.951395303
RGMB-AS1	ENSG00000246763.6	0.618149278	-0.251198464	-0.42539771
KIAA1644	ENSG00000138944.7	3.377175806	-0.412115041	1.311738505
AL117694.1	ENSG00000258967.1	-1.911989711	-1.928683254	-1.614898969
MIR4658	ENSG00000284518.1	-0.273822988	0.690674093	-1.003701419
AL137060.1	ENSG00000274270.1	-1.801360784	-0.616556878	-0.49561304
AL133330.1	ENSG00000251194.2	0.447710148	-0.858871313	0.408911494
AL583839.1	ENSG00000227603.1	0.031849406	-0.97301993	-1.983073641
NDRG4	ENSG00000103034.14	3.314430911	4.385154834	1.379602411
SNORA17	ENSG00000281808.1	-0.258075065	-2.18514829	-2.679345217
NKD1	ENSG00000140807.6	-0.940997093	-2.675297522	4.345760277
IGDCC4	ENSG00000103742.11	-0.634062757	3.215265548	0.401375664
RN7SL130P	ENSG00000244256.3	-0.351458245	0.29344892	1.050002648
AP003086.1	ENSG00000251323.2	-2.028950927	-0.116875371	-0.081762572
AC022400.6	ENSG00000272916.5	-1.567669809	-1.545296936	-1.189876894
PGAM1P8	ENSG00000255200.1	-2.085527307	-1.337884398	0.188995719
AC007068.1	ENSG00000213443.2	-1.146082616	-1.239463541	-1.767152569
PSD4	ENSG00000125637.15	1.930256377	-1.771558831	0.59259851
OVCH1-AS1	ENSG00000257599.2	-2.485878346	-2.730188566	-2.512308637
FXVD6	ENSG00000137726.16	1.616308088	4.159301628	-1.092803456
AC074033.1	ENSG00000213178.3	-1.516165025	-0.738705415	-0.923890729
CELSR1	ENSG00000075275.16	4.145154421	5.572113002	4.72598984
MTRNR2L8	ENSG00000255823.4	-2.621767095	-0.909295334	0.376681771
AC067852.6	ENSG00000267632.1	-0.514240804	-0.049185908	1.854547186
NOTCH3	ENSG00000074181.8	1.75022534	6.037040311	-2.94352096
PANO1	ENSG00000274897.2	-0.441678801	0.449820888	-2.532142523
AC015909.5	ENSG00000279792.1	-1.703258676	-1.666926564	-1.259191936
SNORA81	ENSG00000238390.1	-1.285464904	0.172108987	0.238920713
GPX1	ENSG00000233276.3	8.079464716	8.622443892	8.696591913
EGF	ENSG00000138798.11	1.465906247	-0.848410415	3.617521134
KCNAB1	ENSG00000169282.17	-2.579927928	2.197946281	1.775069685
CYBA	ENSG00000051523.10	6.875393673	8.001929188	5.344462524
AC114495.2	ENSG00000229447.2	0.077288225	-0.314785466	-0.055357332
AC004156.1	ENSG00000267666.2	-1.259244791	0.448133118	-2.626924476
MUSTN1	ENSG00000272573.5	-0.581156672	0.613554864	-1.002233536
AC121761.2	ENSG00000273987.1	-1.789911307	0.803765469	1.497773505
AC079447.1	ENSG00000241962.9	-0.918595761	1.081350873	-1.347795055
ALDH1A2	ENSG00000128918.14	-1.767344956	3.300787891	2.202876459
AC145285.2	ENSG00000251417.2	-2.998818291	-0.194234019	-1.294199324
AP000786.1	ENSG00000255893.1	1.412544874	0.493508064	1.610068631
AC099668.1	ENSG00000259970.1	-2.126419485	-1.169970826	-2.17278781
AL132780.4	ENSG00000279656.1	-2.433336036	0.181122917	-2.717734558
AC009336.2	ENSG00000278500.1	-1.403030249	-0.968559128	0.900861779
VN1R83P	ENSG00000268521.1	1.931311444	1.491906698	1.216399183
AL732292.2	ENSG00000273416.1	-1.778655346	-1.448808178	-2.399411771
SPEF1	ENSG00000101222.12	-1.065577095	-1.336526825	-2.92458899

HOTAIRM1_3	ENSG00000274864.1	-0.963241932	1.569297811	1.368389864
CIAPIN1P	ENSG00000263846.1	-0.496864202	-1.75586673	-1.178293884
AC079949.2	ENSG00000278266.1	3.085546745	1.53361526	-0.830414948
AC107983.2	ENSG00000273018.5	2.436272576	-2.391183101	1.489584138
PCSK4	ENSG00000115257.15	-1.804247695	1.992123069	1.960999088
LINC00921	ENSG00000281005.1	-1.066445106	-1.223312345	-1.142750829
AL138976.2	ENSG00000259775.1	-1.131371598	1.063051245	-0.121142696
GATM	ENSG00000171766.15	-1.559451443	2.943971532	3.183178704
LINC00926	ENSG00000247982.6	-1.119810184	0.026141545	-2.188319077
AC010331.1	ENSG00000277383.1	0.151686783	-0.447022907	-1.063405871
TMEM265	ENSG00000281991.1	-1.065714943	-1.311975122	-1.397510164
ZNF883	ENSG00000228623.5	3.799290615	2.669509137	-2.146603203
AC016590.3	ENSG00000276846.1	-1.996918328	-1.05509238	-2.178151665
ZNF582-AS1	ENSG00000267454.5	-0.087651823	0.531776355	0.394336366
PCDH9	ENSG00000184226.14	1.256348	-3.137831478	-1.142715535
LMCD1-AS1	ENSG00000227110.6	0.582608694	1.05448084	0.324541831
VPS9D1-AS1	ENSG00000261373.1	4.045758575	4.498799011	-2.71425531
GOLGA6L10	ENSG00000278662.4	-0.309196618	0.106083678	2.028013794
AC087294.1	ENSG00000235530.6	-0.730538435	-0.892424872	-1.090313051
AP000692.2	ENSG00000273199.1	0.201726439	-1.335571856	-2.822373996
AL162171.1	ENSG00000258789.1	0.624053763	0.045349108	-0.971267306
EIF4BP6	ENSG00000197258.5	-0.220413506	-1.297373248	-0.408864229
SPON2	ENSG00000159674.11	6.424378056	5.712204109	6.659414095
NPAS3	ENSG00000151322.18	-0.779020858	-1.395075565	0.982431675
AC016027.1	ENSG00000225335.3	-0.448422263	-1.750594026	0.705039834
PALM	ENSG00000099864.17	1.501750783	4.624378831	0.301189546
AC106820.2	ENSG00000259895.1	-0.399169317	-0.458120895	-1.297017242
AC087893.1	ENSG00000274598.1	-0.356270142	-0.360854957	-0.182319849
AL021878.2	ENSG00000270083.1	-0.529606068	2.214348299	0.88589671
CORO2B	ENSG00000103647.12	4.015605514	0.106859183	4.029313971
Z93930.2	ENSG00000226471.6	-1.46741433	1.423751001	1.645250891
GSTM3	ENSG00000134202.10	3.650221261	4.670798949	1.608382938
RPSAP26	ENSG00000242735.1	-0.09279074	-1.312361861	-0.502943954
MNX1	ENSG00000130675.14	2.296295052	-2.397173284	2.675185576
FBXO24	ENSG00000106336.12	-0.861849296	-1.272609904	-2.266477237
DAPK2	ENSG00000035664.11	-1.934713037	-1.679401228	-2.223469097
ZMYND10	ENSG00000004838.13	0.56036969	-2.126362609	-2.298512586
PHEX	ENSG00000102174.8	1.987250897	-2.689329134	-1.158697396
AC007014.2	ENSG00000274038.1	-1.453397705	-1.189894901	-0.906305444
RPS2P7	ENSG00000235508.3	0.056802736	-1.218868906	-1.862756281
PRELP	ENSG00000188783.5	-0.560443962	-0.295329827	-1.979666687
SMN2	ENSG00000205571.13	4.352057364	0.18097789	2.366793367
ITGA9	ENSG00000144668.11	4.400968168	5.16323646	3.34642159
LINC02175	ENSG00000262155.1	-2.941221773	-0.863181394	-1.988486705
ITGA10	ENSG00000143127.12	2.88311767	0.243332494	6.416842199
C1orf226	ENSG00000239887.4	3.408493394	2.686980453	1.494448259

AC009041.2	ENSG00000260807.6	1.60217199	2.147969414	3.650376613
PLEKHG4	ENSG00000196155.12	4.292913299	3.44217422	4.978787188
SMKR1	ENSG00000240204.2	1.344007504	2.421563316	1.704678073
AC084876.2	ENSG00000280426.1	0.338278831	-0.390937893	-2.693911839
AL596325.2	ENSG00000272574.1	-0.032901857	-0.203414563	-1.220101991
SYNGR3	ENSG00000127561.14	-0.205718106	2.540663221	2.434530502
PTGES3P1	ENSG00000234518.2	3.067580378	-2.054048733	1.294579196
CA8	ENSG00000178538.9	-2.729110189	5.021859003	4.866655682
AC087289.3	ENSG00000267426.5	0.837746067	-0.928233637	-1.247722405
AL139353.1	ENSG00000203546.7	-1.712018444	-0.573761346	-0.233354451
AC021483.2	ENSG00000261229.6	-2.320055305	-0.67919193	-0.303509779
AC138969.2	ENSG00000227827.3	-2.636170646	-0.131903251	0.110838569
TGFBR3L	ENSG00000260001.6	1.706812921	-0.019237399	0.631918781
AC004908.3	ENSG00000273402.1	-1.606774398	-1.565971008	-1.125191814
SLC22A4	ENSG00000197208.5	2.202116352	-0.201562316	-0.664639532
AC106782.6	ENSG00000274653.1	1.351295494	-1.395895382	-1.377593374
CU634019.1	ENSG00000277067.4	-0.096520868	-1.009091509	0.245416189
VDAC1P8	ENSG00000229036.7	-2.584448079	-1.776856863	-0.674435057
AL590999.1	ENSG00000235033.7	-1.256257503	-1.483678038	-0.982780767
PRKCZ-AS1	ENSG00000182873.5	0.542666229	0.540164101	-0.084696783
AC007390.2	ENSG00000272054.1	-1.561523719	-2.319644885	-2.386958078
CU633904.1	ENSG00000276077.4	-0.312172295	-1.2442354	0.294569654
LINC00337	ENSG00000225077.2	1.076892713	0.305253288	-2.539809524

7951_mRNA	HTB69_mRNA	SH4_mRNA
14.07325311	14.97926653	14.56142122
13.7927964	15.28564697	14.53672272
13.83213689	14.97165528	14.12054611
14.26718931	15.12743186	14.76353311
13.20446467	14.63879239	13.96238051
14.13592182	14.9749507	14.44421138
12.56632007	14.18774427	13.64152785
12.0387324	12.05495621	12.3597337
13.25956896	14.81116897	14.17275597
11.99697296	13.77686859	12.68929042
11.95470719	13.26256807	13.00862642
11.88565357	12.81380039	12.37126709
12.55214872	13.65179966	12.82905952
12.56919595	13.86211414	13.80811
11.37903681	12.34504169	12.61828397
12.4801217	11.3080516	10.93354523
11.04191038	12.85638339	12.23475856
11.05396761	11.05274351	11.01572991
11.35828865	10.77271527	11.06209442
10.66024541	10.53405127	11.65963651
11.7334547	11.12854715	10.72691256
10.59839038	10.6365532	11.06007137
10.3451321	10.64855275	10.72100293
11.24371312	11.26956139	10.46210556
10.5692452	10.23037928	10.48915134
11.0335164	10.61263897	10.36953363
10.36294143	10.10097398	11.04472613
9.962816028	10.45411028	10.36280134
10.35501514	10.15788	10.08863705
10.35281124	9.886794994	10.55429318
9.929565999	11.14133852	10.7414477
10.72925298	10.90696291	10.85359717
10.56818826	9.86114288	10.32223669
12.74834651	10.64734641	9.888835488
9.879660288	10.00523386	10.16372702
9.641794348	9.62441459	10.07923758
9.624322129	10.01831667	10.22252391
10.37837341	10.08621643	9.649170168
11.26589748	9.903347335	10.02238273
9.547868188	10.10417193	10.47429425
12.98336871	9.705293669	11.1784967
10.25159872	9.529979029	10.09404711
9.894169233	9.528774324	9.599186916
9.831468442	9.474641181	10.37479341
9.876669449	11.19280629	10.46686732

9.907511507	9.487381672	9.846291198
9.693508564	9.629522926	9.852287584
9.460721584	10.53233216	10.82595471
11.79586092	10.79960711	10.38587921
9.866106002	9.439465691	10.61251838
9.578621676	9.55070018	9.933066061
9.556263004	9.510416817	10.27210011
9.663783771	9.400078423	10.47522009
9.587110475	9.939874422	9.516991367
10.09298144	9.545034625	10.43930233
12.56095392	10.00467418	9.36685318
9.697824132	10.84125792	9.974716749
9.884313078	10.23289363	10.21734455
10.24345322	9.377951526	10.56279497
9.351333716	9.778309034	10.29674597
9.659749443	9.287490867	9.635542459
9.307294592	9.255937891	9.774198583
9.246871474	9.835692314	9.833272686
11.55043923	9.888623402	11.22935292
9.741448844	9.722109569	10.04155914
9.778977509	9.158272556	10.41612181
9.898394637	9.172701541	9.873208578
9.604060819	9.577767697	9.428077114
10.11508106	9.541209585	10.05505068
9.218331196	10.34796374	10.00203606
10.46738315	9.939541339	9.940934807
10.2903074	9.9000238	9.804599677
10.63852459	9.174139109	11.17630318
9.589213154	9.109869806	9.759908804
9.101846333	9.234232562	9.1132809
9.775766398	9.10080297	10.31454178
9.414697391	10.06464535	9.171349356
9.673914808	11.04188154	10.20350742
9.732809174	9.723145343	9.623877178
8.984923981	9.218752204	9.300108657
9.129921136	9.152848702	9.475299547
9.63449284	9.164043311	9.894831493
9.888654907	10.19732271	9.089079131
9.004077567	9.062822357	9.259663468
9.279241225	9.344353257	10.41134312
9.836976136	10.09047948	9.879107501
9.332615828	9.09556145	9.58699776
10.49360088	9.385671637	9.428564534
9.313911104	10.28267645	8.981105156
9.897987943	9.673661321	9.767521286
9.714849062	9.652629413	9.872050561

9.409814929	8.99685032	9.31939491
9.353353731	9.755224822	9.348477713
9.302045977	8.817651369	9.208462222
8.787728349	10.51465598	9.850627932
8.941388612	9.482658633	9.646176963
8.773000998	9.286353707	9.039834494
9.341463554	8.79315764	9.949449098
8.780123258	9.052447049	9.338168094
10.80616573	9.796534715	10.64806005
9.515177462	9.163280762	9.73458488
8.699364887	9.161663539	9.689118238
8.747737703	9.128533323	9.148041892
9.017774652	8.979377337	9.350701648
10.78633102	9.074691056	9.14138223
9.555593258	9.990177323	10.17776953
8.976105853	8.84407863	9.460231595
9.466409357	9.869216804	9.946533859
8.958536954	8.668119541	8.877245499
8.955892037	8.94696362	8.863055259
10.58713229	9.665049268	10.96470719
9.182273952	9.161787351	9.29452914
9.18291648	9.107102926	9.729323537
8.553831046	9.303089329	9.207080896
9.031115273	8.908559852	9.134412071
9.116227737	9.758749868	8.595692669
9.294456655	9.080433595	8.62159889
8.533391746	9.459987519	8.915576469
9.361130435	8.599279523	8.899336397
9.115661385	9.119387811	9.201872473
8.555818709	9.651465137	9.269488313
9.167102145	8.654929351	8.915860336
8.604157029	8.771011173	9.112743894
10.40134607	9.888052198	9.695598695
8.513602549	9.342893419	9.743402937
9.050034219	8.57551562	9.042563129
8.802826705	8.97448761	9.104137398
9.331756233	8.679892395	9.06790141
9.802101269	9.417606919	9.897892035
8.467118724	8.64496317	8.498471198
9.072269147	8.666865306	9.700384363
8.390021268	9.152146401	9.332262157
10.0303315	10.29430439	11.46046912
8.719315586	8.417595511	8.653307218
9.752599889	8.70843217	8.421888801
8.471977599	8.458670085	8.690997539
8.332985774	8.895249588	9.821117963

9.219698415	8.400457325	8.803019531
8.347812227	8.766045312	8.519407377
8.532698086	8.583014465	8.560711844
8.849713346	9.483883977	9.313644125
8.833183968	8.5696203	8.551694847
9.017513172	9.12110833	9.716771157
9.007453198	8.573652471	8.744963217
8.303096966	8.546391218	9.078345704
8.489676474	8.731309917	9.301413254
8.678844668	8.326320298	8.758447344
9.312874089	8.634296446	9.403711177
9.619138376	8.683102593	8.565356317
8.695525331	10.42977211	9.003881976
8.385557489	8.865683784	9.655334875
8.462909443	8.685520305	9.652936004
9.631870719	8.587943981	9.004961933
8.793815942	9.292248419	10.03054624
8.52279765	8.709098104	8.816449759
9.422449946	8.225673558	9.41827295
8.260008923	8.41528674	8.895538701
9.396943911	8.91652494	9.023822602
8.978444556	9.112572286	9.617403138
9.084202841	8.398020427	9.489246969
8.488650452	8.517160502	8.622313039
9.584402252	8.521895743	9.602547094
9.659157079	9.054491688	9.054489169
8.424939147	8.521915518	8.350991105
8.319861585	8.253489826	8.522276188
8.202679993	8.898388864	8.932910029
8.186363462	8.56204497	8.459179761
8.695291694	8.179865973	9.480026895
8.415961711	8.213610803	8.136765639
8.820070989	8.564579818	8.56028674
8.580339965	8.179073868	8.375554589
8.313756998	8.475387732	9.007889882
9.092519227	8.137635972	8.85742899
9.260295846	8.212171386	8.544152052
9.683926288	8.236468503	11.26681317
8.689678571	8.96082224	8.409233955
8.452772707	8.378240298	8.229155504
8.075726094	8.657995495	8.990600409
8.688956367	8.082679724	9.404020806
8.771435831	8.587847355	8.663005744
8.781416884	8.131060863	8.113094136
8.302286519	8.420751404	8.106268542
8.679358896	8.536564811	8.770081872

8.233344335	8.920726663	9.571464152
8.314339685	8.815448807	8.467561899
8.168442384	8.073236433	8.511731142
8.86652213	8.136410574	8.766133145
8.0389359	8.544299268	8.661064817
8.012881412	8.217268652	8.387125103
8.77282061	8.313858412	8.626491528
8.140655025	8.504683542	8.314347899
10.47006115	10.82914701	8.963398031
7.999689577	8.897903225	8.541319631
9.022598651	8.274523304	8.457116014
8.419620134	7.989062424	8.111058995
8.104533726	8.602016115	8.177563959
8.852473247	9.063386773	8.594936387
8.995918544	8.781823673	8.01348904
8.37880811	8.212184397	8.174904851
9.505750704	9.836842912	10.4183613
9.15453684	8.177828262	8.672549241
8.550290944	8.017058885	8.289696683
11.30065497	9.846973253	8.604151507
8.744728256	9.078531526	8.371451053
8.529032451	8.78002393	8.304630924
8.224099402	8.046290801	8.218873125
10.23003802	11.01098553	12.33720503
9.069378059	8.104295699	8.293369686
8.309367052	7.971385029	8.267117388
9.146667942	9.173545747	7.988003864
8.731107002	9.532915505	9.411068793
8.302850555	7.877590017	8.141198439
8.114894042	8.505378701	8.082970032
10.18378783	8.550098376	8.9089707
8.172310976	8.131486618	8.245673877
8.447171137	8.204100929	8.469115263
8.361060898	7.929122167	8.263197882
7.858280124	8.63971544	8.698563162
7.902517014	8.301106671	8.104983291
11.08153012	10.67174111	7.951479201
7.871486545	8.050412536	8.398488798
9.262733654	8.672086232	8.714588404
7.967186197	8.381888594	8.027928689
8.557489076	7.896293874	8.110379979
8.152760468	7.888597448	8.08444889
9.217313897	8.426992733	8.504609934
7.872661317	8.514598216	8.282059025
8.006104238	8.252764067	8.570181463
8.31616739	9.45593541	8.924610412

9.028997233	9.140064465	8.220592797
8.124890055	7.779739634	9.420115783
7.822128974	9.035549515	9.024899502
8.776499943	7.848107919	8.463848661
8.368755165	8.488971089	8.760688222
10.31223773	9.534602676	10.60043139
8.783096409	9.214704685	8.160193715
9.87891858	8.609379889	8.013050032
8.164968665	7.792381616	8.046051603
7.988385713	7.809049515	8.396782465
7.917141551	7.792471496	9.015629504
8.4854341	8.505999235	8.239256893
7.775472967	9.148808001	8.918952774
7.852297507	9.315309335	8.476552756
7.839101449	8.048983479	8.398728714
8.06537332	8.041093972	8.782331441
8.401490945	7.734386559	7.97189926
8.214492882	8.259605579	8.087281187
8.690155915	8.18393231	8.393940616
9.642544871	9.298902453	8.077526359
7.749860555	7.715347804	8.463376293
8.350983704	7.743605051	7.849271588
7.864504745	9.275399207	8.619311385
7.771843853	8.136510959	8.561996507
8.230033454	7.705965353	8.49329172
8.208820424	8.54787738	7.70089189
8.205582189	7.800971668	7.797330824
7.756460165	7.762209714	8.123106489
9.036777454	7.780230935	8.617441926
8.717392012	8.398113852	8.546497077
8.242590289	7.856434579	8.517857008
8.962416046	7.775936116	8.353359255
8.227496674	7.673121679	8.568528036
8.165760359	8.091552414	7.715808877
8.653097916	7.671466973	7.835846402
9.015234428	8.364712491	8.771632531
8.647974623	8.575543735	9.084108239
8.749063316	8.647999056	8.287628023
10.77714697	8.800617904	9.634080769
8.025889412	10.25137731	9.407702656
7.736759357	8.097100576	8.018498459
8.743018186	7.723256665	8.232892042
8.595694738	8.774761008	8.283033115
8.568204536	7.707709827	8.132079922
8.954040601	8.429898033	8.682668946
8.019640331	8.475896866	8.588778839

7.642510648	8.992765022	9.076512547
8.952791238	7.76278798	8.445570078
7.696873087	7.948793151	8.511376149
7.979969464	8.296069492	8.022569087
7.715899419	8.176723365	7.745418038
8.196904465	8.378119947	7.59849035
8.887082002	7.806090455	8.51879769
8.445546948	8.304945475	7.920945569
8.334725146	7.59165127	8.042395021
8.400665573	8.548419915	7.761045741
7.971458417	7.658659776	7.838958231
8.289630318	7.932471501	8.176735946
7.64164018	7.694989589	9.487156634
7.864468538	7.633812727	8.503665824
8.609619831	7.648559402	8.334590287
8.02830845	8.267327878	8.516317457
9.310541418	8.612090275	8.222481687
7.908152681	7.841141597	7.647745988
7.668977045	7.669247942	7.594994627
7.916064838	7.622848699	8.120733494
7.860090222	7.542130478	7.855133672
9.585216369	8.392769504	8.168883594
8.502341059	8.59227467	7.652160151
8.429901668	8.109344286	8.357592189
8.2247992	8.209226399	8.30341531
7.855797428	8.345577587	7.774542634
7.862850216	7.557386948	7.94871286
7.663060403	7.742394911	8.188236365
7.534456793	9.233063162	8.176474307
7.509369197	9.12509558	8.701193409
8.892914657	9.14373993	8.873923617
8.815751023	7.948971853	8.712675777
8.85480138	7.933840219	8.492436964
8.849544533	7.52843551	7.917435902
7.837368591	7.649657429	7.526396402
7.997160794	8.357709576	7.615397378
7.805978271	8.322944299	8.240304906
8.135629905	8.352175433	7.679831961
7.968538629	7.43469074	7.746377192
8.396672393	8.729777143	7.555782265
8.208517383	8.177909385	8.114981611
8.584741692	7.452429684	9.196579992
9.914600125	9.896481261	7.950713834
7.522658641	7.433291637	7.845600184
8.827874752	8.544224677	7.964022481
7.908911141	7.528999633	8.759413304

7.93425511	8.441847173	8.605385944
7.947177315	7.993317371	7.483482921
8.87944133	8.384543651	8.793228929
8.725899871	10.32857541	8.97505196
8.372048262	7.712147979	8.122027952
8.122292353	8.105499136	7.90268525
8.281247893	8.49158707	8.608305905
7.415212599	7.817721833	7.397607591
10.52446126	8.1511774	9.92640137
8.501752403	7.422648686	7.99307147
7.97295194	7.546097183	7.487705177
8.514773936	7.57069946	7.493958045
7.423644229	7.579954505	8.059260935
7.810528789	7.4332452	7.713211721
8.36139456	7.401618643	7.68988035
7.580297394	7.463706617	7.733210534
8.206351089	8.101414161	8.684113003
7.99260771	7.540847335	7.807381151
7.725481647	7.391433812	7.589219892
7.711340549	7.464718743	7.603647925
7.309572406	8.388480688	8.468743387
9.341799322	7.464494818	8.296643916
8.172718312	8.100198057	8.170100255
7.39620414	7.455478804	8.920085085
7.4390622	7.631208742	7.443054678
10.19912734	9.346510872	9.72212472
7.632033037	7.915741306	8.166677815
7.700209644	7.486683415	8.010445372
8.19968107	7.830601089	7.724009676
7.572923311	7.693990885	7.537242861
7.658503634	7.753139253	7.480964909
7.368203108	7.634996858	8.577294505
8.120719857	8.636406983	7.443496606
8.075704984	7.562976096	8.07012026
7.2777621	7.904522903	8.889529834
8.320227476	7.512067969	8.128073592
8.047834224	7.288728007	8.110881023
8.525881283	7.575283598	8.141430796
8.079135017	7.788162168	8.020786298
7.369712081	7.310357268	8.467000535
7.25882994	7.606553025	7.96273732
7.296253459	7.957648702	7.329801187
8.031656436	7.803248081	7.411601128
9.048178593	9.231249803	9.046829524
8.290123398	7.789561994	8.129636547
7.7229634	7.278606708	8.772880566

8.510744061	7.672987884	8.078401871
8.304444776	7.341759205	8.579313491
9.042059746	7.363495602	7.606730589
7.36040062	7.934969745	8.156201926
8.647648301	8.719272237	8.686753909
9.698657043	9.281498422	7.733118985
8.13298262	7.512021567	8.242866954
7.91910254	8.802671401	8.26732926
7.667696416	7.271129216	7.352521036
7.703525543	8.923574904	8.103131675
7.290026927	7.428179865	8.163426678
7.50455454	7.326199077	8.328647425
7.386182998	7.497057388	7.534332319
7.901544518	7.233915801	7.283560231
8.535637335	7.900136575	8.387554521
8.012575819	7.411650066	7.728087279
8.40331502	7.35660322	8.283915034
7.63908466	7.760340815	7.463985112
7.452616098	7.32051676	7.370083529
7.474725785	7.616157048	7.286151858
7.549742764	7.244734313	7.258403124
7.267369081	7.630621594	8.350893422
7.661787398	7.323866015	7.415877988
7.896339067	7.682805821	7.696651229
7.358864348	7.229859541	7.396930263
7.639218644	7.997507721	7.377551059
7.7917259	7.22180993	7.588436145
8.082661436	8.14498813	7.54489365
7.573512564	7.224152735	7.794479827
9.327103027	7.29320821	7.696409055
8.563877562	7.60688175	8.074429263
7.808273168	7.213258768	7.960430825
8.312674705	8.73923049	9.53054359
7.697811085	7.686462244	7.679147522
8.155920184	8.799834829	9.582998321
7.792154089	8.30229131	7.245658068
7.632451969	7.22068005	7.398218122
10.63864466	7.438466371	7.58571997
7.183794752	7.374666951	7.597576661
7.51884106	7.837012654	7.659616738
7.786697328	7.240434163	7.752655464
7.426038764	7.999396101	8.378852867
7.795166198	7.538134879	7.767647207
7.716960108	7.574585605	7.964819881
7.706565023	8.245837582	7.293994668
7.32340217	8.915416058	7.553896438

7.549661145	7.429374061	9.098724339
7.511044718	7.466838211	7.674607924
7.836846868	7.381868311	7.486330411
8.191639302	7.902610868	9.351849239
8.666324673	7.438602194	8.409433608
8.582145296	7.16830524	7.201403604
7.520759443	7.162304693	7.450418489
8.117633255	9.691782367	10.07358948
8.057743271	7.19840266	8.091059784
7.529712251	7.551726673	7.80091166
9.549184329	7.94326254	8.468600317
7.451667748	7.298572956	8.473432936
7.507621712	8.330197204	8.548150768
7.735941949	7.324889443	7.496039704
7.432998395	7.183115345	8.024684045
7.119798834	8.248343423	8.103753402
7.185139394	7.491991218	7.850591879
7.163196351	7.228257068	7.550976936
9.607731375	7.42921359	7.690494685
8.408961693	8.998923566	9.708507437
7.313146855	7.98505142	7.987282657
7.383993626	8.433208982	7.988947896
7.201721692	8.080572489	8.409532095
9.148205036	8.136739161	7.098271236
8.231424454	7.831087883	7.465351234
8.088828629	7.105185793	8.104540942
8.482730009	7.508099977	8.017346849
7.728413582	7.531673267	7.25993427
7.567175618	8.106919716	7.910770938
7.90227935	7.379368355	8.426334647
7.986229649	7.801204439	8.185594168
7.13366052	7.760257503	9.243400875
7.694450825	7.492185147	7.160717754
7.49709591	7.460524393	7.617717958
7.405041445	7.593998066	7.106691474
7.51214835	7.173102372	7.476721671
7.374463677	7.124490876	7.585512898
7.131582719	7.345014838	7.281077847
7.492038568	7.847247876	8.051245042
7.435387892	7.405451538	8.53395318
7.371476742	7.116685378	7.344098287
9.002062479	7.482367409	7.991585965
8.593042151	7.651891736	7.541902284
7.270076376	7.088416846	8.067735981
8.469351096	8.342235826	8.342569602
8.053005696	8.004422239	9.265552579

7.532338206	7.432275751	7.894372007
7.490851569	7.986360514	7.373063792
7.687698704	7.379106648	7.717008554
8.032181841	7.808704879	7.098997902
8.019032014	9.43945921	8.501705149
7.38029979	7.646816296	7.746047628
7.592775571	7.850279658	7.092537195
7.791580455	7.149239966	7.60847545
7.661197887	7.894613961	8.388014159
7.349937834	7.940138043	7.086214896
7.097400841	7.397646514	9.016065958
7.381465139	7.413352955	7.244192441
7.177084212	7.555244843	8.269064351
7.458307375	7.217371785	7.437372491
7.197619483	8.375018823	7.484630138
7.360674339	7.214131038	7.232389301
7.721955282	7.86610917	7.037601868
7.504487588	7.758902709	7.621288178
7.436926586	7.601916446	7.449502231
8.054526979	7.84965589	8.70333944
9.314551414	8.961680668	8.938117146
9.435887561	7.281462134	7.016290141
7.012736193	7.710692286	7.881680717
7.024601899	8.084217818	8.123357538
7.737067601	7.198435782	7.632432354
8.672297871	7.380650412	8.108253214
8.003841483	7.585731169	7.745121145
8.019206814	7.119835275	7.702077384
7.986514204	8.825582357	7.904300035
7.836858784	7.434490455	8.040145168
7.104705052	7.305179821	7.020547152
7.700205241	7.621455582	7.014505538
7.76351664	7.529925117	8.111698763
7.258099859	7.063164305	7.023972682
8.442057835	7.956152109	8.705764016
7.49512219	6.997625444	7.227337702
8.228218716	6.999169934	8.025297837
9.560411377	9.301840997	9.608324295
8.304631608	8.519154215	7.935788457
7.055365114	7.178815929	7.666397564
7.078094483	7.406468818	7.81375302
7.520060963	7.191760608	7.206380634
7.383160173	7.295932083	7.774783625
7.85012138	7.250781059	7.695726387
7.464194774	6.965799826	7.996290455
7.615533403	7.831002667	8.073199047

7.106983737	7.652056309	7.466750574
8.501571722	7.919246641	7.06948904
7.588701744	7.556397587	7.119359137
8.371049687	8.131716673	8.108078569
7.242935912	7.442231421	7.034550231
7.946231921	7.228383104	7.489880251
7.127372817	6.996842068	8.278290451
8.443569677	7.561036365	7.467775999
8.104035633	7.237959558	7.15974703
7.672108035	6.957792134	8.044341259
7.303908363	7.463925558	7.68785977
7.744884975	6.972625102	7.933314139
7.563972943	6.997808785	7.542790789
7.134469302	7.289119469	6.945162914
7.856204627	7.267668065	6.993851131
7.837976402	6.921607705	7.492008709
7.652670043	8.101521864	7.436252546
8.075826979	7.2222998	7.529184348
8.29760225	6.92597993	8.916947318
7.123960998	6.928956582	7.117189595
7.209723968	6.875350816	7.820843414
7.153844782	7.288630244	7.066584308
7.566578472	6.966672668	7.452269373
7.449725797	8.45865357	7.854478064
7.639966612	7.29474209	8.433123887
6.986867977	7.321589644	7.163029544
8.812696926	8.386972868	8.030946048
8.717226473	7.815332217	7.709271751
6.911131456	7.556367516	7.281336054
8.09837601	6.917639583	9.026194863
7.024312259	7.792613457	8.118842254
7.455480982	7.447659992	8.033983423
6.983651014	7.026490119	7.666675866
6.95954958	7.525065996	7.512790825
7.636167018	7.998003285	7.371951741
8.813294276	6.971525015	6.872732966
7.402455862	7.531235557	7.858324638
6.899344309	8.412055167	7.003017153
7.163369785	7.98818455	7.630438881
7.629460361	7.645599568	7.663712132
6.96992778	7.059020605	7.056384032
7.957156265	7.487253198	7.872407375
7.515252525	8.525646923	7.214468179
7.636382533	8.459602184	9.016170701
7.723715446	7.173148085	7.418009682
8.219859878	7.45527242	6.983047446

7.821835369	7.81545269	7.753905986
7.717783295	7.521168454	7.190837665
6.877734403	7.136571977	7.434929476
7.842588993	7.470297845	8.26799332
8.47681276	7.614611255	6.96960924
6.971124553	7.452913343	7.703276558
8.03017621	7.567979572	7.897918177
9.460911255	8.581913963	7.720031127
8.260310747	7.889800931	8.089289094
8.279270355	7.966596253	7.368103487
7.837017783	8.038100918	7.739465572
7.83027192	7.835196996	7.100205145
7.303937039	7.266690647	7.959759396
6.889955636	8.410269582	8.295473618
7.097532958	7.702515912	7.869030617
7.746733325	7.658541776	7.30148671
8.820105114	8.919361689	8.446718709
7.538279294	7.090277579	7.586702114
7.977541268	7.826711134	7.520769838
7.202037401	7.118521654	7.314697728
7.155134512	7.413655957	7.339393244
7.470408147	7.33928391	7.387250586
7.364484305	6.816367252	7.562688413
7.922281828	6.891623412	8.355115982
7.244051698	7.816014877	7.064748744
6.987496268	7.336121523	7.08817314
9.389466922	7.936032149	7.654334996
7.200057519	6.803319543	9.10521992
7.095231667	7.413546146	7.110146824
9.119485729	8.157604102	7.887911241
7.85280283	8.638853661	7.610319431
8.040312245	7.18397983	7.639400706
7.430354451	7.377444645	7.506353479
9.125229067	9.427557304	7.563638563
8.30645142	7.989235337	8.249901886
7.6552599	7.345571699	9.110878228
7.779354793	7.404753146	7.08666217
6.978557301	8.790171711	7.648958754
7.838344547	7.96470656	7.965069616
6.780391649	7.065747678	7.546396331
7.818949882	7.194148319	7.461764493
7.428443484	7.625765807	7.979254993
7.349508317	7.925950303	7.109634363
6.88096052	6.912131909	7.163717897
8.642821859	6.961266829	7.998209089
6.799090355	7.733922014	8.930768166

7.651472053	7.247799885	6.843519774
7.834470587	8.375298385	7.688521304
7.106502822	7.652368932	7.427763836
6.876820461	7.157086999	6.937564911
8.315333998	7.932918399	7.211132372
7.353080176	7.191114619	7.280914773
7.195563377	7.635875806	6.876405155
7.28260204	7.125140244	7.936169177
6.889050676	7.007665926	7.17102321
6.846026182	6.806121968	7.190825218
7.846212016	7.378077694	6.796404687
7.801039304	8.432600849	9.532311127
8.005966561	7.21150528	7.713121263
7.136126048	7.428348447	6.904849792
7.21324981	6.784182708	7.993290208
8.986049309	8.052011908	7.809500033
7.559057108	6.850686769	6.990296374
7.505831585	7.538718507	7.416520205
6.958163685	7.940549765	8.082650559
7.831531375	6.956742254	7.505109968
7.718381853	7.923842007	7.543963243
7.299949465	7.268251313	7.582129136
7.208773321	6.906161484	6.875164195
7.911846055	7.348845037	6.983792939
8.081326997	7.672268826	7.834589135
9.255757619	7.20078116	6.865870347
6.949991695	7.127413879	7.37784348
8.130923559	7.057003933	6.783598264
8.560113039	7.141723044	7.436810746
8.722382255	6.866123746	8.892153941
6.821522048	6.93500448	8.186114346
7.263353619	7.514101104	8.324092155
7.822950269	7.699340114	7.216521981
6.73182675	8.084534521	8.089615532
8.54112703	6.781650146	7.434979728
8.770145432	7.546164702	7.671548839
7.772834358	7.003688231	7.039895272
8.225668027	7.991079274	7.880560134
8.398076266	7.66306169	6.798564578
7.049299543	7.363155509	7.028869297
8.377515936	8.523363706	8.054198734
6.760897861	6.846243793	7.405834952
7.05612801	6.949017805	7.154732913
7.653737716	7.920701793	7.743947182
7.532149935	6.99729086	7.385910529
7.28680972	7.390050614	7.668955737

7.464539654	7.127508595	7.163911166
6.715016662	6.710854325	7.036859823
7.791003752	6.819857154	7.588845615
7.379908741	6.705917053	7.087018972
6.887513077	7.86393495	7.699337846
7.605187384	6.853565938	7.207702769
6.926887877	7.222167304	7.165444716
6.713191404	6.899224013	7.383934046
6.833590409	8.140287151	7.437973167
7.440147362	7.386945977	6.723711981
6.714333721	7.897638609	7.547411976
7.359729938	7.424071254	6.774973138
7.448101316	6.672806998	7.005351655
7.159634236	8.873145674	8.232562256
10.04506924	6.777459165	8.349185109
7.735462285	7.30388999	6.927469937
8.608570699	7.266659923	7.316428714
7.342413531	6.800385171	7.033064945
7.732697653	6.723135966	7.398983482
7.150290004	6.805694841	8.333078567
7.065984999	7.491813207	7.641759272
7.594077225	6.725896922	7.595429798
7.777526416	6.958368607	7.660514965
7.604770179	6.822850211	7.136051236
6.808512488	7.38615023	6.988092398
7.10242099	6.698820678	6.81939515
7.588271278	7.087863623	6.813319312
7.481952812	7.873138385	6.891183838
7.927380725	6.706544071	6.958560081
7.781694211	7.217921838	7.909507551
7.633370189	8.010717107	6.916243274
8.034307623	7.432196158	8.048779718
8.502965308	7.733486195	6.674012878
6.967901747	7.130771785	7.297331698
7.47474422	7.008685962	8.068114577
8.942314818	6.685777378	8.0302365
7.413374875	7.304797784	6.788782423
6.710207852	7.197943586	7.723933445
8.721066467	7.790688312	7.106811299
6.799507166	6.737281125	6.726967894
6.975365353	6.676895944	6.813387484
6.679345317	6.766817964	6.878170658
7.994267338	7.723407536	6.976507046
7.114503195	6.897621748	6.77777675
7.615532158	8.108092399	8.230903281
7.229584349	7.112113557	7.637845634

7.693645751	6.666847612	8.978387653
7.792596355	7.50105838	8.036837756
6.937858662	7.805457448	6.649225145
7.956170905	7.863812605	7.572899861
7.241882695	7.670795397	7.792011949
7.783236564	7.214484293	8.144814659
7.156214882	7.623517943	7.503336138
7.391390281	6.651047162	6.898083737
8.187539654	8.271998013	7.062102745
7.222226476	7.401093034	7.588620339
7.109186572	6.973132138	6.634490401
6.957363657	6.699459968	6.820366101
6.87953867	7.259864976	6.988274117
6.95843977	6.872351539	6.629952902
7.713094056	7.246010386	7.822390596
7.120543679	7.368593588	6.989728333
7.714244078	6.616172135	7.082077636
8.693687571	6.878848923	8.019540793
6.892807312	7.248420369	7.237289261
8.009828618	6.872449843	7.363883954
6.718001622	8.054906926	7.128470422
6.654221435	7.400090623	7.860517499
7.42029982	7.814897535	7.915325125
7.683841433	7.469261067	6.679588421
7.276432343	7.416494786	7.751424802
7.616208126	7.08624859	6.930651783
7.485429828	6.653070986	6.995256249
10.57689959	7.106301807	8.26548002
6.984578543	8.003967472	6.607350737
7.408069698	6.917920624	6.948358905
7.78588702	7.059294293	7.926387742
7.159454085	6.794818237	6.713602378
6.614952905	6.70136376	7.255831699
6.834028772	6.759914548	7.886144306
7.042165695	6.810624078	6.852864169
7.306644922	6.893300462	7.395307141
8.553058533	8.293049763	7.734869406
8.261180871	7.573717331	7.337864592
7.134632335	7.547137072	7.228093771
6.707028342	6.655843816	6.991591707
6.701567218	6.850461584	8.831538375
8.893819495	7.720490633	7.568221932
7.484420702	7.548854147	8.041840786
7.223403661	6.898865316	7.015516305
7.668079282	6.590054661	7.902969849
6.724307321	7.173604175	7.274587877

7.670835297	7.1877483	8.084397456
7.445453814	7.632323235	7.145122309
8.390957708	7.293613022	8.826373566
6.774143454	7.256409804	8.107723041
7.459003207	6.595142772	7.105313066
7.470491053	6.627790548	7.206163287
7.836144059	7.344782758	7.870128353
7.66434421	6.566382286	7.07371107
7.701041007	7.456475392	6.915881368
6.629767286	6.811723648	8.16572852
6.563464438	7.809096429	6.78371337
7.454732087	6.865584224	7.150432176
7.602280425	6.683374227	7.341199104
7.596264684	6.728883075	7.131786577
7.475669357	6.737733539	6.79073242
7.18038952	7.35604088	7.643002044
7.293367727	6.583248327	6.806203262
8.592934379	8.004028744	6.946952636
6.997741137	7.090083266	7.942012887
7.330793936	6.74353469	7.332254466
7.341556807	7.155792507	8.142876891
6.996472525	7.206412765	7.093712716
6.77912727	6.545963288	6.655814511
7.658268206	7.739185139	8.218575483
6.568098816	6.596623654	6.911997249
7.246071417	6.94684677	7.743734533
9.751506798	7.324865995	6.518354079
7.043915683	6.676632256	7.742796334
6.737238165	6.508418349	6.848882193
6.643775489	6.58836591	6.759873665
6.921977344	6.62949538	6.516229938
8.607772458	8.78081648	7.191676607
8.285847575	6.535680558	7.106357909
6.786564527	6.593747193	6.5557004
9.161300734	7.590407152	8.433428917
6.725126329	6.804185028	6.491322076
6.966520055	6.738346021	7.588684247
6.585128583	7.035937755	6.728882106
7.221660389	6.922124979	7.452549769
7.199453484	6.562633155	6.854400752
7.446238193	7.070022181	7.062373616
6.921742	6.720932097	6.773029799
7.261150482	6.667613163	6.728784145
6.788254764	6.657280426	7.168331045
6.598431231	6.639181812	8.082819714
7.974599033	6.892080078	8.317684794

7.168228386	6.898426125	7.456770722
7.914735105	8.04276094	7.106187081
7.211838512	6.786605714	7.287782671
6.509578829	7.094355676	7.258282854
6.669622257	8.07238855	7.405053797
9.120224649	8.167173318	8.152441811
7.543180164	7.935365731	7.219289767
8.500386539	7.460690943	7.455736153
9.403926563	9.000386834	8.752470232
6.587501512	6.938124445	6.654565297
7.461775424	6.591665624	6.537431684
7.109900255	6.772540254	6.867483587
7.18684493	6.839575095	6.943930241
7.024436531	6.730005914	6.878213313
6.632636047	9.690329121	8.952200589
7.953683396	7.697552307	6.640184073
7.24739005	6.627717506	7.683283837
6.479226583	6.89654246	6.612986647
9.686430223	8.681644003	8.798130449
7.079692485	6.660870763	7.01043657
8.248941482	8.284474944	6.980702406
7.048625951	6.803916809	6.817442376
7.693560465	7.009117213	7.034791739
6.499759937	7.412238582	7.362736764
8.041657377	6.678220686	7.603260215
9.377054483	8.400061886	8.016307004
7.668348239	6.544383508	7.352221661
6.613043756	7.533850067	6.477832039
7.382406969	7.250965712	8.227778441
7.885449169	9.383377348	8.880036766
7.598882046	6.453028573	7.684982265
6.675723753	7.448178336	7.524884936
7.219978709	7.952116079	6.589595538
6.949904233	6.579131676	6.700978447
6.460988163	6.673302168	6.9554651
6.790561671	7.186510392	7.172209512
6.827407201	6.766264929	6.599318415
7.599541879	6.625688403	7.773437748
6.592623091	7.042274035	6.75867969
6.939011014	6.512620758	6.654173485
7.389180355	6.602955053	7.234727501
6.444247689	7.1345071	7.834045519
7.316592422	6.452466021	7.141532291
7.325791906	6.597598294	7.32263681
7.50520168	6.836891289	6.910441067
6.543136317	7.034386253	6.67766712

8.313672748	7.270988689	8.057229774
6.909220164	7.065765088	6.537469991
8.040006707	6.814248844	7.041970307
7.45394985	6.670818	6.592418129
7.245783084	7.171528354	7.312481161
6.941757982	7.124391016	6.518902952
7.583032708	7.092411848	6.812310116
6.44370683	7.731115326	6.464227951
6.912916322	7.994346964	6.871793271
8.841686486	7.372647313	8.162715287
7.660215653	7.394168584	7.797325584
6.762281682	7.525803124	7.15993557
6.503663519	6.614754339	6.824291108
6.548059766	6.554637214	7.118697382
7.666903121	7.296329488	6.989118079
6.630534894	6.878595909	7.020424818
7.264680742	6.690204436	7.085553116
6.568974475	7.179587047	6.411757184
7.139846226	6.536001678	6.915192035
6.918817743	6.94109978	7.728649348
6.887521643	6.88020556	7.284312254
8.32448551	7.12186323	7.921014823
7.362082554	6.429614639	6.582016905
8.217270458	6.453288143	7.210894704
7.174034494	7.076940905	7.107111511
7.0766839	7.063732587	7.984023472
7.208219107	6.475021807	7.246216454
6.614128049	6.557536387	6.971178042
7.368466377	6.904787345	6.943318879
7.537129992	7.831721808	6.923408816
6.659223891	6.503135554	7.288639331
6.892658087	7.623957181	6.894322531
7.754721188	7.035602785	7.387650304
7.111256781	6.375488736	6.513418587
6.794976431	6.762669072	6.938952263
7.18544014	6.740920989	7.281452299
7.181496611	6.662312988	6.775782327
7.735764264	6.922420321	7.404031699
6.773103169	7.512588342	6.536479745
7.828651682	7.189685781	8.334044193
6.617913863	6.640171822	7.182231347
6.785193246	7.798336604	8.242243646
6.492104263	7.220528889	6.984323953
6.704352955	7.14806262	7.312045121
7.484205411	6.854001486	7.768727264
7.017495765	6.418820062	7.896927854

8.044397862	6.759441469	6.793231689
6.666697679	7.136598571	8.425159028
6.944933054	6.390348873	6.559415556
7.279106593	6.386172785	7.176768501
7.649966541	6.505229997	6.608132931
6.387872103	7.040138023	6.981993968
6.941400002	6.565465853	6.595359008
6.471051392	6.983567352	7.406037043
6.596258396	7.571855969	6.556544435
6.772437721	7.075312525	6.524082754
7.520001136	6.555459095	7.645348426
6.992503108	7.074331064	6.974801564
7.466373169	6.384075018	6.971874437
8.304241042	6.656951546	7.115002743
7.368763429	6.363734768	7.752647872
6.478317045	7.546297678	7.245774277
7.503303472	6.4212631	7.529529501
7.471904614	6.552189727	6.860837089
7.503323962	7.851597429	6.409241506
6.682921457	7.399647078	7.414575577
7.053528223	6.386165916	6.813457457
7.207700016	6.852989353	7.266367363
7.108681569	6.523213074	6.982773474
8.108368798	6.891169992	8.188450651
10.21627095	6.417518541	8.287419455
6.805526854	6.560310587	6.81998783
7.080572258	6.640807831	7.304576068
6.347787388	6.996963189	7.205844883
7.266049484	6.510247665	6.686413594
6.818571794	6.385731785	6.517716894
6.479019766	6.976382361	6.422404031
7.733200894	6.717295887	7.016678397
7.982859265	7.316933745	8.146592443
6.884237431	7.255121914	6.913012688
6.327389325	6.743731502	6.816844451
6.72813567	6.452401115	6.501957626
6.436824964	6.907202678	7.292372189
7.061996718	7.149035267	6.649641816
7.607920854	6.876435119	6.94510997
6.964043856	6.336013249	6.614904643
6.760641558	6.517016572	6.364385356
8.90246625	8.015535599	7.759979366
7.062052463	6.497974743	7.725708798
7.130504916	7.269622427	7.135192891
6.946425039	6.995316378	7.14737996
8.197123184	7.020042102	7.774126262

7.03352592	6.361872909	6.570691914
6.431251915	6.873575965	6.604220893
6.972727802	7.259569322	7.795795284
7.362565664	6.969734675	7.329802481
7.109950086	6.745228944	8.255502167
7.108633447	6.7001736	8.191488252
7.243540317	6.908851998	7.037084214
6.352593848	6.321231979	6.588411326
7.110575394	6.461067276	6.587614605
6.786741796	6.704334607	6.980345921
6.641817474	7.038469538	6.290263954
8.169884118	7.467870781	8.171913225
7.806500588	7.098444515	6.282884519
7.570010119	7.338635158	6.981447815
6.76497457	6.296477264	7.379555895
6.986555866	6.297520272	6.33871008
6.804794206	7.406204844	6.733044538
6.39306839	7.007173306	6.740384354
6.704087238	7.812746209	7.792582195
7.272762175	7.609114965	7.471642946
8.336870157	7.899796301	7.496680712
6.879151987	7.856931523	7.019836568
6.350807896	6.612649723	6.734109742
7.098513044	6.951039731	7.279744095
6.466166774	6.413833407	6.275174413
7.32347036	6.878066383	7.165743101
7.350111617	6.309602075	7.3915143
7.046872608	6.739293039	7.240357372
6.485977338	6.965210104	6.698576799
7.239651288	6.32297926	7.021857018
6.770570707	6.580821477	7.073206704
7.444518658	6.366976315	7.176141234
7.016681415	6.30355811	7.318048749
7.293005211	7.439322915	7.090697796
6.28262779	6.703585308	7.391558183
6.299655939	6.644768151	6.878464367
7.405096728	6.259158357	6.513437613
6.383855465	6.527591695	6.574855752
7.365077562	6.841542831	6.734353819
7.35247512	6.404259916	6.658721948
7.252531238	6.309901026	7.211135793
6.353663865	6.446385558	6.559923643
6.48017187	6.507746777	6.871750364
6.348254106	6.271327021	6.566317053
6.39203789	7.035727795	6.745292547
6.455750322	6.745047913	7.14993348

6.933183909	7.103005239	6.545722863
7.669894891	6.718234521	6.878762598
6.271775395	6.431289644	7.014996472
6.332296488	6.983619089	6.34746599
8.313979931	6.970500317	8.151535273
7.296226773	6.319662734	6.297728179
7.356462561	6.83168409	6.870683608
7.407906952	6.944734388	7.280872962
6.60994201	6.486266787	6.990924077
6.406863632	6.639558091	6.751671819
6.85219693	6.460528425	6.933212952
7.279641271	9.315654432	8.434211975
6.844708951	6.794399093	7.440356244
7.909437933	8.839759382	8.653701219
6.720597693	7.230982464	6.233117636
6.289881829	7.825914505	9.015844185
7.242270788	6.528593344	7.34734056
7.73805381	7.12306542	6.290225417
6.44447297	7.105025393	6.606720983
7.200091876	7.041064328	6.789307511
9.887282485	9.202278276	9.555601181
7.665100681	7.196507417	6.373217803
8.703088899	6.32176729	7.91678148
7.284743759	6.440638515	7.316217467
6.890374209	6.316769788	6.454182535
6.782909951	6.413747533	6.874410688
10.07058828	8.771836419	8.634301657
7.240458941	6.279711592	7.140743172
6.644848381	7.100477677	7.331923463
7.387305874	6.916086359	6.889139086
6.304184442	6.785954823	6.242529056
7.391517402	6.500692945	6.299785106
6.948587577	6.738532459	7.293687991
7.776636666	7.234145331	7.879074238
6.224669448	6.296132663	6.910251192
7.848281225	6.739868537	7.11723572
8.052128693	8.353999669	7.575242549
7.356516249	6.275022518	8.820240682
6.245818071	6.994057586	6.850824172
7.090127938	7.375479438	7.493079481
7.224288617	6.254183264	6.966840777
7.42411731	7.530989073	6.992182806
6.915431774	6.292482765	7.107497867
6.923727714	6.283507276	7.560776233
6.631729547	6.350816784	6.437050691
6.96305849	6.221191593	6.586585394

6.406934548	7.87516161	8.513269794
6.615034207	6.631271404	7.611132473
7.249255761	8.511611449	7.475747186
7.766147929	6.599467869	6.66819968
6.189319751	6.192038034	7.697337953
7.405361842	6.534849795	7.536222514
6.238818171	7.188298868	7.597449308
7.302368687	6.890008612	6.896392273
7.48395664	6.325546193	6.710459015
7.109503901	6.460628516	7.080493095
6.727206033	6.184270118	6.750138457
6.864130448	7.381990797	6.487135854
6.221768108	6.321177939	6.55017158
6.526737765	6.633831208	7.111218515
6.551686545	6.942799707	6.491517408
6.86838756	6.688938218	7.233992815
6.534664381	7.085666728	7.271720439
6.171794096	6.688416848	7.119539701
6.66103394	6.407568298	7.350926024
6.354236607	7.565311117	7.727167813
8.132781129	7.232031625	7.426250438
7.107349693	8.301050096	6.612514258
7.948606386	6.4072539	7.21092427
6.48298179	7.791490796	6.383295799
8.108768211	6.467074812	8.470302135
6.34791192	6.56937463	6.580408214
6.82640138	6.973609571	6.169247515
6.472499878	6.868145241	7.171982323
6.783115271	6.972220363	7.26116235
6.859826989	6.462745661	6.1924728
6.389799249	7.411632185	7.046154351
7.209421159	7.033471506	7.698111886
6.503109788	7.094434675	6.235650134
7.564652839	6.211178723	7.466765056
6.690088464	6.218117587	6.374088289
6.773292028	7.405231203	6.464057065
7.049619175	6.267588379	6.821292632
6.650685659	6.942793678	6.471371618
6.719178559	6.680377507	6.455964377
6.946498556	6.441734026	6.474072274
7.612907982	6.694885633	7.011774734
7.058386529	7.053522214	6.183795332
7.53928584	6.366373082	7.340931918
7.070897187	7.46686378	6.338121011
6.879136475	6.213684851	7.017667095
6.397856037	6.369079103	6.320055876

6.472068083	6.853068205	6.348119515
6.698209528	7.8968124	7.523834404
6.835613371	6.563491264	6.706950643
6.375346139	6.800748142	6.971234235
6.628686864	6.436830346	6.593208751
6.307666351	6.690746288	6.594887792
6.733927483	7.064366688	7.573843095
7.783252267	7.957265176	7.094386528
8.162413494	8.743592933	7.945334558
7.389145166	6.829160891	7.227030943
7.872623899	7.374555638	6.640938899
6.519657191	6.214451254	6.511320068
7.051428184	6.250198072	6.476378096
6.137006584	6.792588512	6.713822825
6.559386195	6.182200969	6.90618013
8.861174051	8.439553611	8.917948069
7.389241286	6.22112476	7.092629313
7.769972306	7.343828445	7.770393897
6.568003747	7.883797661	8.276289561
6.263794832	6.382351069	6.708108129
6.981764185	6.341108477	6.592860458
6.788464973	6.422331433	6.840334296
6.498907983	6.31018929	6.807822134
6.172399658	7.420671482	7.013869094
7.111340209	6.331762098	7.436550773
7.239088245	6.236194401	6.337213345
6.564286211	7.140000698	7.832968726
7.921851293	8.163992559	6.386965419
6.351926874	6.616585534	6.913174615
7.765158031	7.23189705	7.346721474
7.265274914	6.889783695	7.66827867
7.010050291	6.279486845	7.475879235
7.108786008	6.868495646	7.09950746
6.138228696	7.368044869	6.543534866
7.763319106	6.81717554	7.963644508
7.202926384	6.954174764	6.667529248
6.563547908	6.178539301	6.17277154
6.585461888	7.785644575	7.187435984
6.816138765	7.102027432	7.330584705
6.954115851	7.233066917	7.892078161
6.107704632	6.267188556	6.547053388
6.242296938	6.355649967	7.014645819
7.209256174	6.145515831	7.016721752
7.384336237	6.208457032	7.982962833
7.447117911	7.525651248	6.8364865
6.11516492	6.63414143	6.572453261

7.512552764	7.442761743	6.948349839
7.53970302	6.718995325	7.135584039
6.581499415	6.440047193	6.373405245
6.765756968	6.773950557	7.152202477
7.680119971	7.316477468	6.533625436
6.279637954	7.243894281	7.255955812
7.071332324	6.667830051	6.642870357
6.459948158	6.190936132	6.332555089
6.947566619	6.182701132	6.430596211
6.779857452	6.127949011	6.445373107
6.61376491	6.886472016	6.398245351
6.562727132	7.215064591	6.57239217
6.433770607	6.359207734	6.570916616
8.510096353	8.380476656	8.202008836
6.472707783	6.604822412	6.367114227
6.258684908	6.301386446	6.133401801
6.12040695	6.813905588	7.517154084
7.749275034	6.250141792	6.991383999
6.630580482	6.661979425	6.413976038
6.171788794	6.076398011	6.416273443
6.192993422	6.101002014	6.506787721
6.288438156	6.531031519	7.092776165
6.562339453	6.684571526	6.116143786
6.548441375	6.177636832	7.17695369
6.619956789	6.393993719	6.756829082
6.799898377	7.387414281	6.19238551
6.089480628	7.189738959	7.074688167
7.59264968	7.536412033	7.47219681
6.89244308	7.274584359	7.405548883
6.119145	7.881222408	7.30975014
7.580721908	7.056174432	7.46266806
6.851313427	6.187473351	7.226667505
6.095420555	6.176697738	6.713421797
9.743690719	7.901472393	7.934971864
6.262419704	6.215345572	6.44013599
7.380205631	6.283044194	6.564311328
6.15471074	7.079688602	6.432899933
6.133484997	6.340928093	6.91133322
6.589408028	6.77742454	7.194455991
6.355093469	6.12633112	7.167710924
6.569169907	6.050864802	6.228877361
6.483555406	6.284464227	6.599710107
6.569969243	6.522308383	6.10640812
7.0635273	7.246301034	7.847210633
7.006866222	6.895538604	6.313579101
6.339432963	7.041009957	6.130857122

7.184066719	7.198085585	7.056840499
6.430530237	7.531447887	6.222146963
7.517341271	7.448850591	7.205703877
6.882794371	6.051421358	7.205131495
6.295101173	6.220385258	7.928885964
6.382627239	6.179040279	7.002732635
6.395446391	6.279398914	6.045302016
7.041354012	6.830141845	6.297889177
6.500448983	7.38277526	7.221747814
7.211980419	6.508566826	7.130500694
7.932334264	7.41242377	7.484652568
7.986668594	6.127208032	6.539095905
6.764262648	6.428735627	6.101611768
6.547974456	7.140016872	8.175645032
7.165534314	6.515728184	6.192386747
6.20936248	6.687061096	7.254142535
6.34940484	6.330080992	6.060945219
6.159525025	6.138925405	6.024963575
6.465169437	6.53182939	6.795281255
6.508290215	6.167078089	6.928296011
7.204074725	6.695100779	7.214646834
6.876194316	6.054583537	6.999958193
7.206995686	7.170012902	7.15894102
6.933559075	6.222464354	6.035355227
6.113690424	6.287019785	6.213274339
6.749547342	7.309041309	7.036445976
6.359578978	6.503280965	6.108747974
6.934846979	7.101659317	6.909677103
7.014923937	6.062406337	6.285967759
8.577094951	6.106099417	6.886266831
7.036275278	6.24747089	6.267829219
6.32663582	6.848649511	6.098034286
7.05543576	7.162219839	6.639858302
7.62616883	7.486256446	7.379670314
6.410302124	6.178907698	6.627851768
6.908047769	6.724846645	6.892950747
6.600756898	6.215274175	6.516624156
7.71882949	7.881451831	6.523171202
6.59986337	6.383929536	6.078640142
9.907723689	8.481615131	8.265424113
7.58323459	7.074991062	6.080799202
6.671419968	5.994492871	6.838185734
6.621776003	6.75769608	7.565302809
6.025194935	6.542768266	6.641733229
6.352327574	6.342811147	6.788621901
6.517578234	6.642108309	6.09630564

6.170058909	6.769894368	6.630922611
8.254745719	7.005522031	7.812861078
6.758579895	8.145847898	6.490490971
6.756655881	6.63729404	6.657484674
7.351561811	6.355670982	7.845797914
6.814386506	6.248171958	6.088272311
6.478317971	6.476455516	6.489932604
6.230997904	6.328659314	6.827672158
6.60749909	6.77919577	6.083967959
6.761232545	7.146800726	6.00777618
6.759699088	6.642524633	6.557128525
6.459299544	6.152833561	6.29354623
6.042966147	6.837112939	6.539900502
7.073936896	6.090100114	6.224280938
6.726022823	6.598195444	7.035738535
6.899029929	6.590011165	7.261100455
7.152443433	6.262645662	6.875986463
7.123990107	7.092663166	7.838861424
6.94958329	6.835709545	6.825151067
6.67889309	6.034667135	6.381618559
6.185221418	6.115161393	6.503694623
7.551432742	7.190101474	7.352985583
7.340125471	6.951340959	7.772416617
6.948378164	7.631503637	7.420886818
6.139804957	6.072227316	5.98684528
7.219867754	6.584309075	7.291238351
6.429878556	6.446982564	7.217903514
7.323773006	6.768671902	6.860360165
7.83080719	6.677827085	6.859538358
6.023949547	6.624691619	6.947675095
6.212255958	6.25561998	6.089846982
6.832703566	6.379101385	6.044320869
6.047811713	6.034336301	6.373952608
6.37260386	6.273312186	6.265809432
6.050779097	6.057139996	6.05840775
6.806927929	6.392876435	6.112353631
6.760264467	6.68264043	6.350496664
6.568849485	5.976306277	6.719875654
6.024239259	6.233291393	6.759538587
7.076020096	6.097252374	6.594120505
6.323689122	7.048447104	7.373161903
6.062901542	7.742552886	6.354808317
6.17853813	7.680848409	6.176209911
6.533272315	6.078320919	6.045512273
6.569487632	6.055703434	6.233822405
7.701846623	6.279106333	6.794135973

6.972309071	5.975916898	6.651511031
6.524400016	6.132638846	6.041725199
6.394126516	6.671830199	7.211555906
6.928113278	6.635213413	7.148765413
6.175344382	6.841280811	6.08678815
6.336700145	5.985855701	6.369161797
6.234188387	7.042055379	7.505557946
7.413111078	8.166171723	7.505664165
8.148390447	6.888016843	7.533135171
6.569160183	7.631028962	6.680715578
7.411643188	8.388358652	6.96996198
6.769635178	6.758256344	6.24465018
6.340873838	6.779117594	6.271930153
6.416379637	6.035924934	6.891363672
7.93021835	6.001969067	6.837013496
6.49019982	5.993045437	6.016842813
6.847614901	7.18759176	6.711184399
6.697405451	5.998849258	7.554975802
6.025605912	6.569434412	7.383768641
6.00891494	6.409771742	6.035217112
8.337561893	6.940074774	6.13851814
6.631787656	6.534449285	6.204948186
6.108127565	6.336822267	6.054605687
6.33584007	5.940040689	6.467148342
6.74034697	6.597506571	7.019803328
6.223821266	7.611889584	7.9704897
6.60712389	6.255759462	6.567793016
6.468840082	6.145017478	6.109950512
6.772577149	6.319566252	6.483547561
6.645340011	6.340744363	6.520518381
6.364216451	6.174554131	6.420947312
6.977513583	6.031574583	6.878220973
8.23527367	7.457831316	7.158938058
6.64893192	6.021609457	6.939377906
6.355295874	6.692334513	6.519574757
6.057198933	6.132457521	6.199285157
6.438772341	6.029149232	6.202634439
6.526787312	6.106678843	6.592540248
7.916013347	6.897658489	7.863410305
7.181766223	7.63389938	6.801504257
7.050056808	8.330344315	6.441153777
6.540202233	6.17821712	6.190341454
6.442431319	6.638388001	7.113771062
6.333001895	5.941104907	7.175282372
7.277596065	6.27222176	7.000888753
7.714337049	8.73381673	8.897770829

7.305038543	6.788891594	7.481699228
5.941181425	6.473400693	6.389373525
7.541955166	7.28880512	6.750454659
6.879544621	6.229193254	6.450196681
7.139231852	6.32901167	7.133144409
6.388689259	6.912755669	6.081162255
6.364299124	5.929910501	6.319083861
6.426081738	6.350284477	6.674471612
6.85785608	6.859861457	6.048933884
6.856710125	6.61440612	7.295887279
7.130311815	5.957396177	6.231566395
6.0152487	6.808953031	7.123787433
7.683814083	7.404840996	8.189247313
6.085815939	7.081092707	6.123664747
6.976145326	6.209508331	5.98798633
6.569164375	6.20023506	7.089695393
6.827397912	6.402506572	6.577852413
6.854977156	6.150928854	7.162732809
6.150014343	6.544249084	6.679144929
6.989634001	6.469846783	6.271077067
5.976853288	6.500463391	6.432094633
6.653414633	6.011567437	6.445464617
6.366881579	5.89713653	7.518247875
6.787527196	6.472874391	5.952249788
6.756710232	5.99819956	6.281901273
6.562022724	6.005136877	6.181242272
6.513184595	6.625097266	6.517320804
6.071933036	7.029657089	6.526379133
7.718416496	7.430679772	7.000343081
7.125392314	6.192864854	6.166112278
6.510227585	6.805764593	5.957748608
7.367199469	5.936576107	6.548870394
6.347326229	7.770478591	6.877676881
6.77643969	6.825989922	6.239279917
7.361464925	6.341134188	7.156940723
6.362431774	6.436742234	6.74202854
6.249640502	6.331108313	6.629617905
7.027597053	6.37015966	6.652698391
6.374259132	6.083182149	6.159680884
6.253834397	6.370168656	6.675349905
6.003645119	6.106645398	6.971088967
7.193018839	6.596602649	5.956230673
6.511813896	6.019464689	6.670254093
6.441970476	5.91063596	6.009707831
7.10091838	5.936135055	7.21040413
6.617445942	6.440968181	5.927973598

5.921084576	5.989661258	8.890099532
6.464786359	5.892266351	6.683272486
6.794127898	6.065671092	6.142914973
6.306341714	5.953869515	6.106473845
7.0470255	6.29220283	7.173470106
6.694350176	6.34514115	6.911511422
7.699547741	7.064503142	6.896108991
6.985444873	7.389035	6.922582552
7.696533236	6.347205057	6.3694495
6.656859706	6.513662916	7.068662268
6.253703653	6.124269467	5.909984933
6.749596067	7.2510867	5.970157167
7.07639797	6.476989579	6.450344404
5.877366639	6.511564934	6.311238307
6.512510023	6.143461796	6.238601531
6.409828851	6.268814473	6.61346784
6.577566989	6.08521975	7.303334896
6.494290617	6.179773431	6.577207471
6.366503345	6.415501432	5.986680509
6.832740229	6.209039738	6.376210373
6.523935331	6.051241938	6.1895472
7.862567519	5.939730755	6.394335844
5.969816572	6.558199626	6.768671762
6.296490604	6.562439362	7.278868999
7.053406833	6.441937827	6.619687909
6.593262096	6.03295197	6.164973013
7.07903689	6.008365377	7.730423384
6.165934224	5.939508399	6.0078929
6.694095316	6.363038451	6.105862655
6.041134564	6.168166838	6.257312357
6.279579449	6.752312989	7.762504889
5.940610987	7.19932835	7.009766107
8.263459033	8.562872795	6.844334803
6.155612964	7.258944722	6.858808246
6.161052501	6.592553161	6.116076326
7.347011386	6.438854822	6.726113492
5.919060872	6.169593166	6.514356437
6.794229201	5.937037177	7.052154534
6.60896442	6.788084605	6.536448081
6.695625568	6.039599373	6.603585362
7.19552872	6.675217044	7.05535804
6.660109512	6.003874046	6.637572508
7.13755895	6.210820805	6.785742081
6.390084661	6.050074101	6.148347557
7.086561586	6.081132949	6.646896101
6.836351867	5.905647517	7.368155003

7.13754812	7.610184918	8.181322595
6.727049123	6.608974718	6.875418376
6.468965844	5.883432909	5.906923719
6.540445505	6.391394745	6.023991568
6.020839582	6.531029316	7.553753885
7.966306908	6.678905021	7.514772426
6.892442181	5.886019027	6.958641127
6.018035617	6.396766287	6.327656225
6.728918132	5.931211311	7.588165043
6.961199822	6.55052522	6.350498358
5.893294345	6.298627844	6.664554048
6.470890976	6.695640988	7.042560259
7.228331175	6.194160792	7.130338637
6.748335319	7.22949175	6.322599206
6.85827702	6.379658135	6.288036512
6.885619879	6.895741481	6.054581531
6.615064101	5.887372119	6.191514738
6.309029535	6.652054553	5.933512419
6.096500874	6.099922412	5.850133556
6.069846595	7.240097103	6.882681372
7.000241436	8.262891991	7.692128035
5.964075141	8.448021349	8.962140745
5.971488689	6.079241265	6.561166257
5.881537041	6.505024086	6.13594017
7.89844207	7.721367819	7.06943585
6.772829701	7.197668841	6.691236449
6.493986978	5.985340267	6.319497024
7.128697092	7.017904783	6.013164496
8.646591235	6.858324299	8.199052886
6.13788973	5.914808842	6.431634391
5.95757587	5.907848045	6.105541839
6.154357575	6.715490095	6.156879212
6.256321299	6.080884901	6.121996887
7.725813797	6.678770697	7.286659671
5.829189522	6.601643971	6.599874496
6.254863956	6.316730286	6.523683361
7.691561812	5.813601253	6.737880733
6.937079651	7.043050189	6.820720569
5.940269696	5.847210069	6.722694685
6.239687196	6.282415909	5.995909211
7.601961563	8.187449189	7.903580169
6.587614999	6.297942934	6.770479836
7.176219632	6.100461721	7.325047377
5.923546068	5.997767519	5.891785099
7.158924186	8.657418965	8.974345639
5.898870523	5.86167684	5.878962963

7.288469997	6.521745723	6.133617579
5.865522978	6.263451389	5.929279968
6.347232874	6.011727736	6.81799799
6.537736231	6.517757989	7.064823305
6.589360993	6.245712102	6.281723638
6.038883921	6.231596548	5.938612368
6.390476141	5.813515677	6.261596139
7.321059674	6.33732205	6.750833636
6.699619708	6.998658365	6.777636807
6.696908446	6.594146087	5.974435134
6.549426445	6.17405359	6.927035876
6.565101258	6.722812835	6.192243792
5.983464093	5.806488742	7.287661768
6.776325556	6.898894996	5.827163668
5.805703634	7.037778484	7.659386992
7.349253144	6.967235623	5.969905297
6.564656456	6.278384128	6.675553541
7.243398585	6.905899378	6.074581381
6.235615198	5.793507287	7.088679963
6.708834073	5.854709119	6.242886601
6.045701781	6.329105987	6.186351823
6.090464786	5.980905571	6.260830366
6.846435962	6.230714386	6.255778636
7.016499522	5.818371449	6.540779423
5.869086722	6.574135807	6.598629354
5.950637762	6.734044234	7.252312245
6.950127652	6.077992145	6.687854348
6.387286243	6.330832546	5.97581115
6.898187947	5.838961991	7.297053065
6.670793639	7.173404587	7.224852581
7.541316467	6.453566	7.421979365
8.909202635	8.156188901	8.466596308
6.115858075	5.872409284	5.878692421
6.772508958	6.42926604	6.629899491
6.425755367	5.782398685	6.489220149
6.480787161	6.184418004	5.851847956
5.77105357	6.359883326	6.328611498
7.074736972	5.802064544	6.145002937
6.395405154	6.452279297	5.920086781
7.193586009	6.65443345	6.726064611
6.248966195	5.977275735	6.368554556
5.796996167	5.83577119	5.943099596
6.090726276	5.871762972	6.269197576
6.927705395	7.065837838	7.13477627
7.087553836	6.509365354	7.267185865
7.317682948	5.845790653	6.494199298

5.826542258	8.2013557	6.384913589
7.869727091	6.686509043	6.85525704
6.222443423	5.787489143	6.106302304
6.652130694	5.834764884	5.972956766
7.015665663	6.221453674	6.740206372
6.979525509	6.534154117	6.25235089
6.73109278	6.350746402	7.102301276
6.837269699	6.148786607	6.259854204
6.310820513	5.787594117	5.855371942
6.099679305	5.788581708	5.780579322
6.663611674	5.820353876	6.745867892
6.224403429	5.82690559	5.844133156
6.186400288	5.976615917	5.925913041
5.904190146	7.24580144	6.374297929
7.399374078	6.492229844	7.032024611
6.28759929	6.39266913	6.054736299
7.888113983	7.696001931	8.254369773
6.439369682	5.919588269	6.032093504
6.56060313	5.949842262	5.792629577
5.829176553	5.993351203	6.080932323
6.39719036	6.056106515	5.902959432
5.881143593	5.804384376	5.937351872
7.312763113	6.699862794	5.842189141
6.124453435	5.951419577	5.814710052
6.601797393	5.86591932	6.160429815
6.461225898	5.927069207	7.144274791
6.34055962	6.111702121	6.450606581
5.844304429	5.879734278	6.828516576
5.847826077	6.313112006	6.774993971
6.267896487	5.763347531	5.850554862
6.00572472	5.823755476	6.181007739
6.842824887	6.890212952	5.950180746
6.899905328	5.756244252	7.550986336
7.138214365	6.838548005	7.014488773
6.8889924	6.176927142	6.6553862
6.632591628	6.620730354	5.885394461
6.084313182	5.759321591	7.011229848
6.248798327	6.006432008	5.86044894
6.135845914	6.313882444	5.89288273
5.869230385	6.154087423	6.020812967
6.606906808	6.464610025	5.895836176
5.741155913	5.873833791	6.515951913
6.107798253	5.764770364	6.331429976
6.837363013	6.244023798	6.344021446
6.894227809	5.757367069	6.551744993
6.337696183	6.294004971	7.402086267

7.017407398	5.968728775	6.319504155
6.132666224	6.175184762	6.912095512
7.486845372	5.830502831	5.790512616
6.387615638	6.167276482	6.136697862
7.338538131	7.19576738	6.224941824
5.942697634	5.860849442	6.538045399
8.085957368	7.009982827	7.125765641
5.730176284	6.198118662	6.398067646
6.739875303	7.357902707	5.827689013
7.604429508	7.440162636	8.154316325
5.981747087	5.783133683	5.941114252
6.856588825	6.406704193	5.774874422
7.4962549	5.898707184	6.06488352
5.845126238	5.959773581	5.815802562
6.397072253	5.857949891	6.946098791
6.699741969	6.272630167	5.778116734
5.727227667	6.508989873	7.040044891
6.32392283	6.459489552	6.652897097
6.253812561	6.994554937	6.673254367
6.38912521	6.958679128	7.045928352
6.399777217	5.969786209	6.397980163
6.301598324	5.794832582	6.905812475
7.199925751	6.420602386	6.072743092
6.810490037	5.827388074	6.96865854
7.148333414	5.980318962	6.825314247
6.113776729	5.808026675	6.108518773
7.000799724	7.473818058	5.786254798
6.719297328	6.033904832	6.494638381
5.908710542	6.155750936	5.829546452
6.379397296	5.770462482	6.898091431
6.745749367	5.856314948	6.453052326
6.768893265	5.985207431	6.060604263
6.605781651	6.559575435	6.306237997
6.649043834	5.836904763	5.770083227
6.740454113	6.132037107	6.264767879
6.396160043	6.133062614	6.148251678
6.7371235	5.794236947	7.089435182
5.970032127	5.93927305	6.125059543
6.291666869	6.472690821	6.55611473
6.37518544	6.735916805	5.908336628
6.884406988	5.707118609	6.861396825
6.304971743	5.894881902	6.623172276
6.328979078	6.768832597	6.94672877
6.218754164	6.471103131	6.646733745
6.205047574	5.688823421	6.167106042
6.096705959	6.148062623	5.761894038

6.09500683	6.242449466	5.902184943
6.424729607	6.019366403	6.558769082
6.062805193	5.911123835	5.806593506
5.774731042	6.376245763	7.927785266
6.168567186	7.04417307	6.425435602
6.597695069	5.817566117	6.526724138
7.609024348	6.481548452	7.858992791
6.529988103	6.084215476	6.137804071
6.693233903	6.258192667	6.334336401
6.750881668	6.645658615	6.769434978
6.055625568	7.055842302	6.069839105
6.641279682	5.875852915	6.709564314
5.714699769	7.493495137	7.212410065
6.538292178	5.767968571	6.743604382
6.062478607	5.70201318	6.308253763
7.001461118	5.916682289	6.177966724
6.244435402	5.723881217	5.828374213
6.616648026	5.787753298	5.896216333
6.04957786	6.022502575	5.715216109
6.161060699	6.982120669	6.684842426
5.846362487	5.86351817	5.818225928
6.571588994	5.707437953	6.094804577
5.872606978	5.710840574	6.014309702
6.245887038	5.820636442	5.868080348
6.158306402	6.320563455	5.827906883
5.902160284	6.595806678	6.527362737
6.945687453	6.977824786	7.716644012
7.093917899	7.030563054	7.098707701
6.775971063	5.798921121	5.899148991
5.836590563	6.439615488	6.504768587
5.806089496	6.063731597	6.124712618
6.097853673	6.998820092	7.62286691
6.539045098	5.909331688	6.811943804
7.100681965	5.993321179	6.773348754
7.486722276	6.014669575	6.817109646
6.003243414	5.816652009	6.557562331
8.064023464	8.147415675	6.26381832
6.780139455	6.631627568	7.1554744
6.255897203	6.042991853	6.176753241
6.685608727	6.672680409	5.780625185
6.034913687	5.79251076	5.876801946
6.687944224	5.726694594	7.353741325
5.829263106	7.692535814	5.862578
6.49016	6.078788214	5.737784937
7.027730454	6.056887454	6.449693093
6.874234824	6.268910819	7.034574686

7.874161695	7.535301709	8.556883941
7.17683441	6.291552611	6.21357891
7.12273441	6.339340635	5.978344749
5.776380071	5.981599439	5.772227231
6.68734461	5.808192181	5.9997077
6.398686858	6.131177532	5.72955146
6.19935097	6.072192875	5.680687172
7.462844133	6.75909067	6.55367925
6.643736336	5.785017948	6.458581582
6.318064351	6.67169363	6.06805565
6.183589448	6.153462183	6.01679646
6.692993741	5.686906237	6.517204453
5.761284385	6.7627591	6.344105594
6.68941558	5.737742673	6.250627798
5.709439623	8.301245812	8.105849542
5.89444204	6.409795183	7.42436244
6.367792354	6.065227419	5.759912724
6.268524421	5.781716847	6.595511835
7.882346694	6.129940719	5.672737448
6.00606222	5.721746198	6.668432586
6.665995789	6.282303437	6.377985638
5.992063049	5.940899075	6.211778017
6.342375595	6.478029318	5.812720805
6.910987229	6.925260263	6.417397271
6.011896208	7.161636752	6.470525739
6.535398382	6.380674786	7.029232082
7.13062179	5.667057738	6.168638136
6.01966012	6.011979422	5.654782454
6.502013146	6.343798789	5.85031923
5.872825452	6.231729582	5.88323093
5.633647804	6.464656823	6.160061161
6.094052666	9.290502863	8.590576783
6.841788242	6.279750941	5.9688754
5.861831519	7.358471332	5.885011429
6.493910429	5.970949069	6.419640973
6.354702075	5.770740807	6.661284069
6.59482175	6.781691794	6.775973961
6.704381608	5.763889693	8.19511295
7.467610431	5.864632903	5.839079382
6.579231496	6.113813904	5.846603393
6.213074792	5.661316332	7.231106268
7.630602057	6.072387627	6.34653856
7.582432108	6.341157378	5.678099039
7.442349472	5.721273914	6.282029597
6.006501057	7.182357057	7.117698532
6.055553756	5.809548986	5.939482016

6.267791087	5.967803558	6.411381269
7.163234669	6.529380876	6.298180648
5.896667658	6.068480046	5.98965627
7.629680704	6.691980406	7.564467253
5.81960646	6.232882515	5.680040183
6.461350175	5.854049846	6.662776163
5.822615335	6.578318591	7.273955328
5.751020059	6.394890643	6.655684642
6.578324785	5.797170103	6.733501929
8.132423936	7.783249202	7.497797675
5.678861971	5.924934786	5.930314054
6.023934379	6.208845163	6.792930962
6.605644718	6.623416988	5.936658379
5.664524086	6.062032764	5.979458024
7.576330169	7.239280275	6.395901065
6.211400327	5.864577193	6.040561802
5.960881543	5.998695513	6.849209484
6.423686722	5.97141735	5.746083121
7.194822246	5.799416229	6.133258095
6.325568477	5.683732348	6.135893262
6.82753326	5.704315135	6.407379848
5.729054154	5.887379148	5.888841678
5.710412585	5.986546302	6.450865337
6.218145169	6.326891808	5.974246371
6.848568563	5.667694673	6.519304306
7.855947774	6.58908132	6.337080408
5.882030991	6.38676248	6.205731145
5.75249757	5.760840347	5.737284314
7.181436671	5.95730069	6.00708309
6.440529958	5.733010584	6.305044033
6.776053197	6.506611989	5.696578262
6.421602089	6.110331306	6.502449201
6.630258898	5.897587367	5.84949436
5.669227673	5.990254838	6.185103016
7.052147986	5.675096989	5.875997046
5.913081732	6.280173818	5.73292144
6.172709076	6.001701481	7.07587723
6.988665466	7.241014953	6.12833081
6.174137825	5.776232863	6.524537598
6.995646731	5.718435927	5.992696681
6.267440542	5.915322647	6.503484711
5.765002134	6.108071929	6.155422407
7.081228891	6.400803096	6.672718576
5.979592817	5.816524137	6.671589875
6.152051792	6.105370588	5.93731826
8.649339436	6.629785623	5.748872694

6.067947956	6.660715573	6.825171805
5.618603533	5.982238532	6.419484291
6.177480438	5.629789624	6.418918305
7.19644397	6.554938034	6.331553083
5.953522857	5.625582662	5.825117547
5.911677273	5.623717931	5.801337322
6.503569174	6.267787787	6.583787577
9.162861059	7.978834466	7.968227532
6.000604797	6.588458865	6.219834133
7.073231927	6.478618854	6.63869871
6.149487564	7.879840188	6.728812593
5.717308618	6.338515774	5.698149658
5.802312572	6.267935951	6.288177027
6.038778009	6.378846304	6.378621805
6.636245024	6.701284633	6.794687384
6.517780587	6.161413145	5.883563778
8.157620968	7.693248511	7.400738048
5.86080433	5.801588948	5.857348741
6.964437614	6.322014898	6.39701091
6.250775942	6.672201179	6.525150739
6.18330567	6.356104912	5.626035274
6.481056659	6.449878434	6.508555669
6.000308294	6.566777968	6.634746689
5.695323933	6.134278471	5.964039089
6.127447168	5.653492575	6.249106347
6.299350239	6.070169002	5.988278186
6.247683191	5.667715633	5.756976854
7.092305147	5.950070731	7.985685224
7.429726997	6.996434254	7.079513268
7.055227406	6.926819005	6.33426917
6.444912983	5.748359135	6.141921532
5.848531638	5.658558711	6.03330284
5.632972961	5.689605462	8.90887612
6.569229172	6.417984523	5.878836163
6.173361342	5.578770153	6.641964675
7.187021282	7.027324461	5.842870918
6.2580677	6.397732182	6.195675163
7.775109869	6.675038679	5.5913623
5.777457135	6.313479929	6.772623881
8.533509285	7.139329675	6.246696331
6.508462756	5.697434081	6.405366886
6.107542443	5.765090875	6.697440552
5.672973884	5.913093661	6.618601141
6.903787274	6.240330885	6.329242616
5.896441376	6.018417597	6.365384599
6.240834631	5.641386184	6.804488154

6.236274142	6.444990397	6.479467403
6.518807946	5.975803465	6.318791499
6.919513014	5.57341246	6.045712012
6.012108568	5.670227862	5.94231075
7.786301583	6.08360176	6.255247173
6.206519433	5.59494017	6.156633503
5.973584861	6.026750446	5.860657081
6.233687901	6.036968221	5.732423589
6.247140931	6.114815618	5.9810304
6.863264006	6.408981092	5.648586621
6.178978986	5.924986398	6.517106527
5.985836357	6.900418369	5.621189581
6.591839503	5.595176611	6.649259888
6.350685713	6.405015931	6.436047743
6.381361375	5.64354206	7.003742721
6.498960554	5.781368962	5.678491311
6.021640157	6.458979104	6.25873591
6.49067532	6.376919792	6.592856338
6.117565653	5.992184707	7.068936234
6.065811413	6.068271167	5.690323086
6.462953101	5.90057053	5.698198526
6.441462337	5.559624535	6.363970631
6.121639002	5.852463504	5.574131729
6.913976523	5.997029793	5.832190227
5.903046759	5.824281271	5.858022922
6.139248767	5.59681472	6.894040289
6.920236537	5.661338324	6.830669268
5.628113146	6.427689854	6.132826165
6.774918647	6.433584219	5.621717652
7.234133148	6.887923593	5.721890585
5.915429248	6.061506854	5.634920489
6.172168404	6.350823072	6.361390383
5.863305519	6.511001179	6.085627212
6.755153117	5.884790175	6.213872547
5.985666986	6.561796029	6.529110448
5.814482921	5.816213655	6.50198993
5.99540726	6.576953058	5.87935689
6.420175504	6.058480631	6.027032861
6.88365811	6.562415312	6.728536797
5.707585462	6.380315577	6.249721155
6.162676881	7.070344123	6.124008983
6.106264221	6.221196095	5.799239642
6.278318954	5.84086125	6.366205031
6.035406805	6.318611959	5.578981408
6.782196271	6.402456878	6.598932169
6.092099932	6.335690716	5.606355809

6.361018677	7.382666283	6.468387861
5.806519019	5.97686903	5.802334258
6.171204083	6.112732587	6.01810009
6.648867077	5.847792833	6.097149869
7.577060538	6.200821967	6.921425126
7.180744174	6.439278727	8.024492127
7.434332205	6.052806147	6.208677629
6.328077951	5.547199327	6.530941971
5.827574676	6.402289458	6.052702076
5.576622758	5.734447718	8.003064798
6.887740986	6.816155549	6.088424128
6.447708409	6.142402342	5.956309263
5.783345987	6.11762375	5.611269147
6.185887312	5.5847315	6.275108316
6.071882092	6.115508789	5.867014779
5.943252103	5.640746571	5.64017232
6.3855286	5.623019697	6.036078164
5.870759497	5.587407718	5.831497812
6.077192589	8.066359796	7.185107992
6.804514701	6.184576226	5.786260934
5.596939777	5.552508406	5.60009489
5.552674323	7.708987817	6.992980272
6.164400065	5.627403198	6.202204857
6.514294213	5.54726954	7.04880558
5.542530487	7.171497592	8.157321942
6.019553999	5.88952587	5.556675683
5.917513476	5.666947434	5.911624798
6.391569131	5.748933001	5.796446567
6.295262776	5.680656774	5.800946747
6.002159672	6.299427507	6.32965145
6.196524346	5.73234407	6.551788562
7.19960684	7.509388177	6.703516677
6.604005451	5.744231702	6.371897985
7.972297591	6.477125269	6.114234103
6.133036212	5.988367864	5.612439619
6.015929478	5.541257032	5.942686519
6.48851138	6.276140364	5.787978739
5.634581072	5.55093539	5.779078942
6.474144956	6.409861067	5.685181969
5.728941902	5.659617927	6.09551484
6.536815537	5.876040985	6.221172805
6.524500446	6.302893372	6.502339719
6.45720406	7.108849289	6.863938223
5.989258166	5.572917512	5.998978263
6.200821441	6.406617709	6.494272021
6.469881273	5.683961548	6.30180451

6.338043723	5.680621952	6.054867218
8.059766583	5.774441109	7.618538139
6.160181844	6.108164337	5.638199113
6.857800872	6.058422361	7.373088804
5.602137485	5.823831961	6.834338646
6.148113623	5.558994942	5.65525019
6.619916401	6.884244226	6.408829332
5.608731939	7.072343994	7.023815656
6.793244813	5.524392023	5.901762422
5.568988852	6.203438765	5.685348557
6.317925893	6.750199034	6.703839883
6.225795629	5.821105585	6.434499228
6.198662173	6.15053588	6.10591635
5.547216312	6.857736121	6.957761464
6.164564744	5.632662822	6.816390155
6.337478819	5.832145508	6.571071259
6.662994234	6.328759584	6.037104189
6.348086151	5.517339216	5.882912017
7.225166236	6.68362571	7.019266121
5.80786432	6.227838443	6.706714164
5.958080487	5.638249405	6.104679036
5.881178687	5.816687417	7.01462241
6.275678447	5.641310773	6.217939034
5.758184701	5.488711276	5.605064088
6.697593731	5.781501481	6.377360152
6.13804837	5.585003487	5.865293539
5.701225599	6.382479384	6.61385622
6.03174985	5.530835369	6.247788283
6.634583673	7.348416634	5.821448167
5.769401933	5.843208711	6.021890583
6.344711791	5.560818339	6.144068173
6.694885535	6.066952878	5.974835584
5.901268306	5.688154311	6.199193357
7.439015879	7.312071769	6.411907422
5.905715143	7.441402904	7.999040176
6.304040363	5.700682696	5.598052289
5.681074253	6.345692894	6.516393249
5.658271764	6.620847244	6.716794351
7.527174337	6.72053802	6.883129016
6.838647306	5.49931019	6.523330715
7.958674122	8.394711333	7.259175812
6.693731597	5.476954997	5.764576781
6.080959241	5.898346317	5.550307296
6.35428098	5.612186535	5.825178473
6.519968658	6.222380857	5.525872456
6.174965523	6.223832426	5.72078006

6.397372528	6.222285751	5.904654649
6.614772325	5.948870929	6.741345952
5.878015821	5.716857739	6.113873121
5.920276661	5.677730999	6.526946099
6.148572317	5.775673973	5.72339006
5.997324953	5.834159813	5.622737749
5.834598084	5.542391658	6.727766927
5.872774892	5.669938404	6.346619349
6.592330385	5.710682115	6.19582774
6.140286403	5.594361374	5.485875271
5.456137827	6.662177405	5.75761719
6.483756915	6.177620708	6.204300148
6.403022144	6.036279688	5.661260357
6.409761884	5.855253047	5.628251877
5.579676885	6.301075967	6.742606804
5.750713862	5.686991714	6.03474146
6.189413103	5.989679344	5.62732939
6.741900157	7.17976082	6.982852276
6.028167101	5.612451883	5.685794948
6.041855774	5.5526724	6.571960297
6.124648323	5.628342005	5.691667428
5.862771933	5.55796284	5.823126933
6.312122214	5.714412282	6.063819758
8.062331393	7.59179912	6.74675036
6.679460567	6.340363401	7.404667891
5.803509588	6.586386292	6.669722191
6.864293908	5.462581672	6.6583508
6.666410425	5.534372155	6.620314856
5.5522178	6.247096031	6.342499201
6.459214287	5.75619082	6.021518803
5.79652013	5.763691519	5.710727801
5.721536222	5.523082803	6.501770593
5.937913122	5.762016193	5.7955959
5.518317762	6.490029215	6.208466886
5.678466675	6.073102396	5.595192617
6.764921101	5.490501378	6.757815679
6.288251306	5.465268046	6.098247154
6.135730553	5.84705273	5.610875362
6.969693634	6.770170487	6.97719004
6.113007451	5.496133795	5.773179765
6.348685904	6.42370429	6.195933772
5.766180878	6.722266553	5.82990276
5.936905696	5.516118615	5.804251241
6.457661814	5.490220339	5.707210901
6.377353233	5.464044753	5.587711983
5.7603739	5.944897147	5.492945224

6.259461174	6.146213418	5.565096181
5.462808074	5.76865813	5.800233544
6.436952936	5.818746984	6.065946875
5.800064466	5.875693943	5.552495644
6.465167257	6.907558077	6.998849854
5.807088199	6.107775952	5.904203935
7.317111975	6.246531089	7.443355096
6.091932341	5.938429772	6.711487185
5.514048816	6.171697357	6.367484086
5.958495495	5.475644029	6.067703449
6.518281798	5.576116443	7.137985927
6.664913906	6.654496208	7.039835288
5.559796402	5.577010401	5.967818461
6.542878594	6.222807699	6.555246863
6.755358748	5.997864812	7.249278186
5.47427223	6.202660047	6.105259627
6.531521875	5.785205526	6.355164472
5.923111524	5.554486791	5.828025124
5.762563636	5.51095126	6.612722766
6.607166341	6.048771626	6.328536911
6.18031603	5.687436847	6.286194228
5.804158348	6.503316689	6.42647135
5.464397859	6.110051793	5.603563826
8.478268951	7.147240114	8.008530025
6.165767124	6.075469995	5.525745438
6.424060205	6.155304872	6.187917841
6.273791784	5.900260455	6.203223578
6.135194927	6.168280494	6.970954525
5.530492736	5.586142321	5.639908788
5.832489439	6.909149412	5.469634597
6.396548756	5.492122005	6.14698481
5.967666877	5.487912053	5.806222177
6.461582596	5.853210478	5.434777681
6.042993268	5.650723945	5.655176177
6.463715588	6.35599763	5.647075582
5.878453555	5.626949161	6.181012035
5.493891289	6.263142897	6.264038382
5.455047445	6.602247452	5.958973081
5.880674367	5.836318924	5.995072023
7.078289793	6.432676067	5.997585306
5.98408584	7.065051696	5.95915266
5.803981992	7.253358605	6.648871824
5.436441241	6.048537674	6.370934388
7.214145974	6.098980748	6.707369816
6.195185029	5.704351443	5.872949899
6.813184766	5.995394841	5.931984959

6.214794399	5.769220674	6.243550629
6.045087761	5.471442266	6.734713959
5.456608344	5.733709025	5.754862356
6.913427205	5.483656092	6.443302969
5.51526052	6.142961999	5.540944153
6.001529096	5.926412551	7.054348462
5.7356444	5.504587159	5.65902476
6.420891675	5.708891482	6.042220533
6.008514974	5.75338967	5.656448411
6.081351891	5.422418507	6.036232436
6.142533993	5.429243143	5.994287573
6.137758068	6.576590084	5.984287615
5.757891578	6.666983703	6.122785532
5.635877411	6.103052859	5.778337231
6.516840139	6.894610867	5.576021637
5.448554276	5.404412279	5.841627572
5.698771178	5.48940303	6.823086067
6.079288843	6.135741662	5.518954227
6.523533939	5.50403963	6.144640561
7.110873681	7.168841517	6.364206025
5.483478622	5.620434109	5.568498346
5.446122851	6.090011771	5.784521483
6.403176431	6.659271247	6.159849965
5.689530775	5.880025976	5.554156884
5.60290615	6.115334793	6.276506527
5.421823311	5.798555659	5.615040409
6.278808818	6.095795997	5.677886963
6.015845228	5.856154683	5.658687606
5.399233221	5.935523493	7.167998073
6.105292232	5.537099711	5.782783224
6.058978278	5.480075356	5.818236845
6.490622892	6.583594441	6.902200754
6.349768798	5.951116725	6.233399271
6.113094996	5.439910861	6.044552398
5.736410174	5.857068586	6.620938166
6.519032305	6.651840664	7.016820799
7.199403757	6.734881334	5.998106717
6.465158025	5.979200987	6.40330151
5.677265783	5.678331589	5.85280963
5.710958248	6.050062314	5.747018437
6.868260923	6.262409813	5.846896491
5.88176931	5.487235578	5.808455041
6.237659753	5.730877274	5.639785372
6.132708936	5.646548708	6.106002855
6.646891402	5.536015311	6.146804616
7.082674313	5.444959821	6.673895676

6.081919147	5.563237524	6.203424521
5.492164182	6.80213334	5.876022985
5.509276091	6.786353491	6.538630475
6.45695401	7.503184697	7.084122766
6.511723669	5.976579852	6.609899266
6.266561677	6.407582364	6.271159138
6.077517037	5.452155268	6.643580946
5.43055255	6.283132176	5.835299597
5.410459162	5.73052704	5.981556762
6.282858501	5.387845255	6.196198652
6.24904624	5.432507141	5.87951066
6.384116098	6.252577195	7.148448558
5.522070589	6.073351604	6.757063131
5.781430663	6.206808227	6.367037413
6.848589914	7.288822477	5.632165263
5.735395933	5.583777954	5.544005173
6.18023187	5.389758545	5.646317577
5.489658606	5.375926585	6.004544929
6.768584153	6.146027821	6.370305585
5.863046833	6.109438301	5.942344482
5.463094963	5.996214906	6.663390388
5.630761093	6.133005596	7.019839868
5.467073619	5.952432094	6.614036798
6.694842653	5.425686789	7.353015124
5.86840226	5.861550688	5.529828624
5.892335298	5.479074156	5.832458714
6.444121278	5.55480302	5.682649353
5.398802104	6.760578652	6.259776831
5.960870656	5.439531047	5.808143371
6.705148161	6.362782824	6.581617052
5.885766333	5.610224821	6.127405816
6.011559504	5.480620929	5.66803427
6.496776098	5.535701146	5.37593576
6.048056901	6.38498898	5.547834133
6.218385923	6.042861438	5.440584006
7.315593907	6.188645397	5.60094487
6.380275329	5.59698204	5.940173662
5.892905891	5.415685584	5.628849941
7.148981088	5.447185968	5.933203256
6.75755466	5.982332519	6.385863227
7.030509317	5.402013345	6.387021478
5.462987514	5.421252846	5.606860323
6.253182959	6.137798573	6.355927948
5.53507862	6.251690474	6.156815641
5.533637782	5.90519603	5.728105708
5.410907527	5.74437471	5.731872073

6.140305692	6.382480412	5.600989332
6.264006072	6.157769978	5.666542897
5.373906906	5.848227674	5.726306505
6.712669512	5.726070868	5.436429012
8.078953623	8.106749173	7.59886946
6.669498703	5.716839401	7.063215343
5.870871581	5.71343782	5.977963694
6.595612886	5.611591839	6.13994607
7.337465186	6.178135996	6.874745387
6.120129823	5.641536581	5.530421002
5.644505548	5.846329813	5.843136093
5.912622306	5.597926767	5.370510782
7.153965246	5.482205564	6.335650961
6.059684405	6.047862812	5.778128853
5.816953749	6.068360507	6.345782226
6.021510038	5.803173959	7.473074698
5.876314289	5.39437919	5.642305754
5.736597192	6.348450361	5.687356183
5.715604352	5.497738316	5.953669785
5.896470913	5.381025739	5.758846371
6.779244731	5.405937235	5.820013755
7.009502638	6.04713545	6.57655656
6.540579023	5.796485206	6.345240214
6.724583879	5.412075195	5.851880486
5.651633701	6.388384834	6.395720365
6.726439775	6.41613399	7.102668962
7.264220755	5.939538024	6.676327698
6.949854794	6.616439796	6.166815172
6.040541223	5.485684717	5.840742276
6.777894368	6.72064533	7.303900352
6.453738954	6.013610007	5.954655345
5.442820764	8.345577233	7.715989516
6.907415725	6.285418296	6.760664776
6.464721177	5.836362381	5.567153102
5.690359963	5.641835415	5.510498165
5.912307058	5.551400018	6.168933648
6.484474851	6.842557416	6.802811108
5.757149249	5.733889954	6.009792496
6.451629913	5.393689894	5.738869503
5.896174503	5.527992453	5.883137461
5.880209819	5.60981265	5.851189084
6.368325278	6.100404402	6.444716838
7.16310588	7.57817979	5.761621106
5.734013068	5.679836547	6.399959585
5.710380272	5.471999554	6.601388323
5.440698872	5.615279809	5.397805497

6.213950088	5.626091071	5.991672439
6.849177077	6.291436575	6.747293992
6.439376149	6.492080879	6.545182121
6.184277308	5.365601819	6.366060677
5.460012417	6.51989075	7.258603488
6.093515398	5.372150862	6.534613858
6.461637694	6.667770476	5.418553057
6.599105559	6.316107901	6.507877414
5.823155795	6.062214633	5.441832938
6.358118961	5.843852463	7.126504621
6.0208009	6.200822287	7.448604632
5.574347566	6.004174886	6.388229144
6.579556008	6.158231926	5.664989476
5.792531162	5.844962826	5.402872595
5.751939726	6.033474438	6.040082674
6.454262772	5.730812121	5.372328892
6.560132507	6.65013373	6.637330915
5.760992176	5.495069588	5.926565453
5.395979379	5.915811777	5.653054718
6.117038173	5.379193232	5.525364792
6.597660504	5.451570489	5.929206622
7.410757054	5.95531879	6.27829622
5.966619316	5.388358826	5.862682806
5.689046442	5.791032034	6.421285127
6.069334596	5.349416361	5.462525114
5.815007047	5.321244997	6.894545484
6.156427958	5.583016279	5.878668478
6.274219343	5.385767252	5.976263636
5.785821696	5.372032474	5.485698093
5.605092257	5.349525576	5.877370516
6.446577733	6.614614985	6.416694037
7.210351976	5.397552278	5.492619987
5.324679034	6.004315909	5.475844343
5.903648198	5.762067501	5.512559787
5.865478649	5.343391006	6.676378834
5.495607766	6.137923601	6.175329129
5.895981455	5.959983346	5.372386548
6.305202334	5.744511655	5.49800644
5.786541893	5.481026544	6.148287323
6.621673982	6.990517916	8.264085889
6.032527206	6.063445038	6.277673692
5.64908039	6.391083993	6.151807653
5.836590606	5.404441572	5.843241154
6.31577278	5.522133828	7.955659451
5.637325078	5.615427055	6.5916145
6.149907352	5.702807867	6.029495744

6.936906505	8.042559447	6.058604334
5.957852049	5.83430421	5.673967643
5.84198058	5.368849758	6.219403777
5.791572712	5.47707572	5.486610441
5.849870221	6.062105589	5.42161222
6.746500074	5.3831694	6.578428255
6.408721946	6.108488854	6.741177887
6.159053794	5.539054068	5.401860356
6.941594957	5.338461722	6.178327831
5.787180577	6.109508891	5.551620905
5.917789379	6.3421296	5.472846032
6.727475116	5.373226243	5.40512156
5.312653943	5.682743197	5.47914815
5.4749206	5.397583953	5.802569068
7.139912164	7.437511085	5.43746681
7.543042787	6.344246259	6.670485473
6.316371196	5.334700641	6.251686989
6.830942366	6.396546143	6.627689783
5.474789203	5.691558616	5.657511033
6.715446367	5.362392094	6.59295355
6.010770711	5.587538431	7.003016206
6.973260449	5.824775652	5.337309756
5.853309814	5.644400091	7.080212454
6.116540032	5.335455126	5.780280948
5.415954537	6.050281191	6.254203258
5.309163711	7.418590316	7.388099578
6.504271893	5.49848672	5.783714602
5.848875724	5.974844953	7.278382486
7.77430705	5.633841573	6.0952816
6.635686165	5.414749056	6.170135578
5.636589857	5.45092947	6.085145199
6.148309492	5.876287965	6.110056125
7.463939108	5.902762159	6.12012044
6.184389357	5.382187871	5.927720074
6.397075043	5.456401781	5.875893407
5.676461087	5.379281842	5.360943669
6.788416526	5.283513879	5.723407216
6.50345677	7.320450205	6.380115425
5.982595576	5.532802641	5.619776491
5.889264454	5.48332175	6.468468152
6.023760757	6.223391271	6.288025039
6.566414324	7.170484411	6.623038138
6.503129157	5.713743226	6.584970905
6.222652987	5.348351413	6.059360069
5.351397841	5.639969553	5.707626393
5.989031641	5.66504598	6.121511879

5.926013751	6.268070333	5.302211111
5.318103677	6.07355715	5.900343353
6.266605994	6.203155474	5.792830036
5.551744479	5.90781836	6.308731638
6.165117383	5.709653939	5.423431
7.229729244	6.482317272	6.328526857
7.413554681	6.191011781	6.684276314
6.423979195	6.522030235	5.961268629
8.113833891	6.425336735	7.358557017
5.350739624	5.578531039	5.493624149
6.283044812	6.578550838	5.456458104
6.153633521	5.483139349	6.034828001
5.747090694	6.223909824	6.038639089
6.033213455	5.279809576	6.940337343
5.927557968	5.476982684	7.64322012
6.586628901	6.261197078	5.697657473
5.377051855	5.962350657	5.851877074
7.07860467	5.659705584	6.303526247
5.250609975	6.916209373	6.510067328
6.5989047	5.886624276	6.168374625
5.384188035	7.786127238	9.3011511
7.303948571	7.395097908	7.565816466
5.579650477	6.213647136	6.038588067
6.270894454	5.924248992	5.661590614
5.53818128	5.579199329	5.926250552
12.1776266	11.07438985	7.380551236
5.567768535	5.335254213	6.98192512
6.514727351	6.085248248	6.210405403
6.396831884	6.244894812	6.487484031
5.950928359	5.274764614	5.426013689
5.856778618	5.866139673	5.341876578
5.419097548	5.479054584	5.376510789
5.770521106	5.53965636	5.745267916
7.202150563	6.26808664	5.755940314
9.551757277	7.390985758	5.409030375
6.718013707	5.265925333	6.083578983
6.071815557	6.259552942	5.975907137
5.588194048	5.728941689	5.281111359
6.566797444	5.29587508	5.661290334
5.927507709	5.535561642	5.474809179
5.752528867	5.26780979	5.485736132
5.966329256	5.912106178	6.855924725
5.329400006	5.582953437	6.077942816
5.569101643	5.711282384	5.325404383
5.410695344	5.502593441	5.464775737
5.955020926	5.868640775	5.376522921

6.911371266	6.991675362	6.749452156
6.27594239	5.437550227	5.737735985
6.302788388	5.297862809	5.799601571
5.899331245	6.118865419	6.271663096
6.406254377	5.760708508	5.950202518
5.325831361	8.806672093	9.138695076
7.620305076	5.372674482	7.292123897
5.289263152	7.100879165	6.896082776
5.261493151	5.761960218	6.161393877
5.245602288	5.802444253	5.636241303
6.529148759	5.581271564	7.376492034
6.401978454	5.311585792	6.623322186
6.468698907	6.077349264	6.022398939
6.114032073	5.295834828	5.432906192
6.210017718	5.422968641	6.415971562
5.67276384	5.273272672	6.04804916
6.490653642	5.316416643	6.134671418
5.602507558	5.795045923	7.401193381
6.229824993	5.829554765	6.06256158
5.654980324	5.492477689	5.309193665
6.360744984	5.895534838	6.748915289
7.279095221	6.389865517	7.233927289
6.684520142	5.270450813	5.986614589
5.403015473	5.606894887	5.416044236
6.118521261	5.693728962	5.4617026
6.316360478	6.471778883	6.130911497
6.336611562	6.411640236	6.024772898
6.452190543	6.365605825	5.59767479
5.829667487	6.107084451	5.303090413
6.678286175	5.895511279	5.4435532
5.682430498	5.311466694	6.2573493
5.25922729	5.823041854	5.815231168
6.768745126	5.412318056	5.964410731
6.501091561	6.005885922	5.282990873
6.923498127	7.761722479	6.758805365
5.69949819	5.463000996	5.764054318
5.262079297	5.372603062	5.519701401
7.344865169	6.655061977	5.212775179
5.275939478	8.605531162	10.16461237
6.265971315	5.795930452	5.610100303
5.983501663	5.622636692	5.307638628
7.113930954	5.616415934	5.344831243
6.041273345	5.25477886	5.515110108
5.624479255	5.379214742	5.825217201
6.139608279	5.377522963	5.667325413
5.629709964	5.254545061	5.53089365

6.506682119	5.453579367	5.815554068
6.880346851	6.678593512	5.529616063
6.219308552	5.678610316	5.472050214
5.236306596	5.535849797	5.352192999
5.413690685	6.319561629	5.544832088
5.378842074	5.370792497	5.247129769
5.479545359	5.953859183	6.67681621
6.29677963	5.265966146	5.773639935
5.344123739	5.493051982	5.736941157
6.302474239	5.52948587	5.942826954
5.693363114	5.215653308	6.564777401
5.236146676	6.0255401	5.555147614
5.888212092	6.480012309	6.469861827
6.418322108	5.254557744	5.833139478
5.774233964	5.360748191	5.735699703
6.033721615	5.938449926	6.836065943
5.279382916	6.286223653	5.967131803
6.52482385	7.099827444	6.317621459
5.598662987	6.103849689	6.064004885
6.438098513	5.23119013	6.388382298
6.370772423	6.046534448	5.898280076
5.859170163	7.35993452	5.967244773
5.547361961	5.773082357	5.692884
5.68358063	5.451456217	5.47443
5.937176815	5.268002425	5.242980208
6.338293546	5.216012463	6.024463928
5.439992068	5.383359485	5.235749113
6.143644311	5.282638247	5.522117949
5.433588165	6.58892441	5.766036677
5.79319537	5.212956919	6.918350338
6.786158874	5.551733704	5.326908076
7.621274764	7.674523611	7.07310221
5.58123286	5.70598509	6.500252841
5.214058777	5.510593442	5.814620765
5.684674687	5.207548623	7.401082919
5.182912616	5.96201169	5.869640173
5.533238905	6.417414902	5.651012619
6.017177284	5.244031533	6.074996169
5.697165012	6.901354727	6.350531245
5.441390907	6.91725962	6.835979736
5.256114471	6.006864739	5.797173148
6.848271278	5.585477021	5.194692641
5.209933292	6.26051353	5.595197614
5.683355475	6.535607409	6.314028525
5.602010381	5.235192751	5.326253829
5.678077653	5.582114499	6.167017211

7.585053696	5.268715218	6.350179253
6.208407784	5.953658884	5.846438124
6.333872867	5.201454308	5.645987467
6.327128016	5.421066348	5.626895077
6.366489813	5.240542011	5.636314826
5.989244723	5.708040246	5.441890243
7.663201723	5.692183248	7.473917519
5.539363633	5.501597108	6.150424194
6.144504816	5.256884036	6.056127645
5.848104258	5.419100528	5.36587065
6.631344334	6.29294757	6.298271986
5.36875859	5.459640314	5.893947258
5.572202083	6.988168319	6.238281097
6.235591487	5.64111346	5.205722777
6.212782867	5.250015312	5.80222421
5.547809922	5.434205166	6.590002287
5.517835942	5.366419747	6.010592595
6.72092295	5.241931393	6.342984377
6.452817612	5.988274171	5.975910802
5.855295814	5.278976527	5.341594994
5.95611455	5.588862589	5.768292318
7.028204847	6.655845982	6.636642795
5.829315524	5.251845327	6.247437526
5.303434384	6.633336528	6.686475241
5.70311041	5.316192383	5.512816554
6.391483002	5.464704846	5.91767468
5.812959245	5.231394547	5.235955841
5.787257078	5.380460159	5.334909459
6.133132891	5.819936443	5.885971262
5.192851298	5.848522921	5.661814583
5.973117197	5.238952365	5.940726036
6.416444169	6.077658855	6.242238305
5.897239631	6.497824965	6.770087398
5.714403144	5.307963229	5.360726677
5.59499413	5.432369878	5.239937875
6.061182639	5.884863239	5.271988507
6.257128715	6.268295078	6.39466266
6.31454098	5.904608967	6.063021232
6.414209883	5.19199951	5.78283642
5.371922239	5.428787505	5.562723087
7.303102227	5.372075902	5.856819592
6.511319644	5.277510866	6.114230935
5.816661175	5.178255275	5.889559207
7.412518024	6.125731197	8.201877029
6.426026318	5.811368061	5.980471178
6.199558513	5.293169104	5.18691992

7.01589864	5.792039436	5.23898877
5.198271424	6.347195723	5.529395994
5.705453081	5.605453044	5.346107594
6.162427889	5.392935373	6.247784699
5.355783653	5.215865699	6.392069345
6.577088412	5.64140066	6.932736126
6.177924896	6.563670268	6.167604785
6.38523401	5.313733998	5.524129543
6.032835307	6.020682074	5.67296127
6.486265781	5.880458875	5.576204535
6.436634888	5.236725591	5.536482761
5.789936606	6.790405005	6.487118817
5.232488551	5.245834211	5.831637748
6.683853605	5.245021868	6.251178802
6.605832368	5.206703926	5.577757258
5.39951403	5.211244522	5.220559015
5.955794884	6.206445691	6.34521842
6.39728681	5.174156619	6.367880103
5.941933596	6.233584019	8.370909718
7.460766626	6.855712426	6.798864527
5.862667125	5.256219086	5.38563035
6.901122103	5.258330408	6.127449956
5.422699393	5.841571652	5.556937581
6.294755841	6.060687005	5.42399823
6.468222414	6.080704998	6.038027948
5.997435106	5.379799991	7.959669367
5.400485287	5.224077049	5.609710164
6.435268221	6.505964556	6.408802336
5.212847342	5.736405708	5.672672085
6.072346845	5.693907417	6.561309217
5.635267735	6.005400971	6.0511571
6.542860311	6.932956452	5.2551624
6.419086191	5.264124771	6.375944993
5.729785965	5.670692928	6.631582898
11.0750036	6.769909434	5.445173374
6.514663395	5.229689226	6.151138413
5.232068232	6.222562515	5.635785221
5.819027361	6.241642285	5.207833384
5.646529608	6.173937602	5.457447906
6.099701419	5.561960886	6.490240803
6.692894482	5.250449272	6.801996365
6.382122655	5.914440848	6.219360266
5.894150055	6.472177923	5.794718791
6.305892004	6.285458915	5.476586819
5.493107685	5.414233898	5.878897119
5.646791247	5.19826801	6.406075131

6.87525623	6.360320307	6.32840405
7.525183146	6.886675742	7.739739451
7.923494128	7.058461536	7.6029251
6.27526802	5.464230103	5.162646686
7.482892537	8.783369394	7.878819361
7.271969593	5.672808315	6.289119625
5.419925394	5.711709996	5.591210768
5.453117321	7.223066901	5.903789404
5.433103588	5.18647375	5.290887793
8.316913447	7.431742327	7.031726252
5.409461856	5.248792483	5.814333855
5.938159817	5.177475735	5.8032401
6.19139966	6.355583128	5.978602678
5.204541045	5.438938524	5.329443184
5.502095943	5.578250262	5.34805602
6.049954068	5.33498838	5.581249969
6.00045306	5.694688538	5.38694493
6.190917381	5.49527267	5.871319655
6.084619542	5.846779884	5.888376653
5.893193386	5.690924982	5.279539888
5.594966039	6.106839194	5.217135905
6.408789033	5.318897156	5.575095293
5.936646303	5.41524571	5.919031863
8.48691715	6.462874463	5.72984356
6.843807944	6.199907152	5.647287452
6.090944904	6.053039513	5.993791655
5.929192686	5.432559231	6.049463198
5.964251873	5.378666538	5.858138358
5.851429273	5.449354533	5.515908098
5.58814829	5.567869695	5.300101989
5.193815323	7.122400845	6.007596089
8.638417338	5.145047438	8.476746872
6.221204253	5.368013638	5.961655796
5.183624346	5.208377231	5.687222235
5.995794841	6.161902305	5.534639466
5.8112076	5.775560408	5.596841276
8.096279416	7.284528442	6.485502956
6.844226348	5.131855245	6.165651484
5.929109635	5.219653106	5.760965447
5.349181199	5.187213252	5.164360979
6.32912594	5.354127766	5.889569517
5.184468647	5.900762678	8.123195688
5.933887468	5.548275616	5.370984336
5.856350616	6.467888732	5.223296814
6.042115861	5.338600179	5.170774486
5.676596282	5.755075591	5.833981702

5.766227769	5.567470725	6.236843795
5.745647933	5.843256083	6.009334369
6.10752325	5.325752893	6.228755039
5.618474645	6.041909541	6.105323642
5.120673772	7.392610826	8.580252984
5.685427081	6.143838596	6.674662132
6.250359681	5.565522266	5.164444605
6.173866224	5.393252816	5.94694529
5.448033797	5.156287703	5.592500516
6.25856833	6.984400731	5.218330981
5.975341578	6.600869533	6.464409043
5.995773212	5.877430097	5.388633607
6.013852043	5.194343458	5.387105158
5.858784612	5.949769964	5.613056821
7.374966471	6.055182748	6.981895271
6.266335268	6.543719766	5.562386613
6.549489485	6.379930874	5.133839333
6.399100051	5.433711572	6.292926492
5.905614244	6.650609154	6.453479191
5.219785571	5.670852218	5.344647253
5.903913455	6.200064382	5.919690336
6.003958813	5.181315999	6.286517891
5.105494048	5.706299325	5.753501775
5.213715858	5.578698938	5.822631038
5.530705371	5.61964532	5.991593937
5.703159537	5.247311549	6.538151595
5.783376272	6.017564534	6.706688935
6.326347613	5.216546959	5.498814931
6.019949439	5.151591987	5.450230768
7.066285104	5.550674311	5.36539789
5.746142212	5.922324822	5.564787922
6.197366646	5.659913914	5.138814884
5.179608448	5.766337571	5.843600114
6.428721248	6.114397554	5.736461701
5.5174565	6.374818392	6.92410588
5.223935257	5.894590175	5.259853123
5.246122611	6.81623683	7.445903363
8.843394204	7.36341996	6.526183287
5.856696012	5.363421772	5.36367543
5.53276995	5.58513799	6.59070178
5.169061909	5.32038632	5.605839042
6.409762969	5.313696409	5.213993693
6.062405886	5.262525597	5.499247387
6.02983706	5.84801686	6.416293861
6.00017054	5.474411799	5.581978034
7.198900921	5.849197371	6.576757165

5.995636259	5.977685786	6.06794241
5.986923566	5.164405051	5.184239034
6.495585051	9.376666715	6.193969563
6.375609962	5.831193469	5.174756235
5.882081163	5.631901378	5.447420452
6.599345912	6.007136625	6.095430488
5.924535628	6.171025397	5.151258641
6.001094628	6.049662263	6.040775487
5.595047144	5.556716242	5.193012689
5.112149216	5.496330055	5.359697137
5.406139475	5.465172128	5.927793883
5.871769459	5.537187168	5.620456754
5.969521687	5.334568556	5.183896361
6.00178013	6.526925713	6.161461037
6.337797603	5.612578567	6.012224538
6.222794499	6.494493483	5.170974772
5.196419347	7.149216126	6.190418131
6.58520998	5.131873351	6.319618708
5.731317793	5.168870026	6.370561686
5.619582724	5.327357458	5.526970098
6.127255754	6.266330612	5.169111453
5.758210447	5.138227893	5.295014026
5.894438016	6.109433517	5.079859508
5.076545657	6.121294255	5.723315493
5.688308636	5.244533442	6.606804741
5.568800879	5.105398587	6.109451262
5.195256912	5.902542579	6.378682831
6.526124178	6.153325445	5.912540215
5.727714067	5.1058806	5.752501525
7.090587362	6.734296945	6.0181072
6.050087906	6.531639973	5.965461832
5.766539651	5.115344606	5.182232554
6.064626536	6.092802143	5.520331677
5.774189094	5.132256632	5.683589005
5.703999438	5.105375476	5.338918375
6.253492636	5.988254029	6.417624632
5.771525585	5.314025096	5.407009976
5.417026684	5.247395682	6.854407074
6.70990108	5.885168072	6.318559646
5.236679598	5.086158268	6.750075357
5.613882469	5.192814392	5.965105444
6.063429826	6.335425071	6.171143033
6.418788645	6.920184725	5.94967316
5.865391222	5.131785803	5.498081135
5.436727337	5.160790442	6.254217233
5.078770262	6.101369149	6.166958409

6.053732169	5.642355455	5.881657164
5.951392111	5.162437321	6.108516037
5.076720291	5.902410871	6.04976798
6.034813906	5.143458967	6.048673868
5.379652548	5.258212504	6.034539715
6.769857118	5.699597204	5.841748801
5.987863974	5.307641629	7.056031485
6.869687684	5.812308877	6.439715344
6.641288228	5.25784008	6.087296673
5.926076535	5.987860434	5.425230148
6.186370959	5.466752379	5.85641805
6.829915727	5.95459418	7.032401493
5.251513161	6.661587334	6.017568836
6.394855147	5.854711907	5.913245492
6.178248649	5.667254678	5.969744573
5.542830478	5.126423291	5.61114235
5.156892081	6.135313424	6.004653188
6.418977386	5.946505414	5.675610986
5.748970759	6.064954582	5.615367695
6.688220205	6.054014234	5.736273273
6.364870365	5.200996951	5.341289727
5.790323356	5.13213635	6.439082083
7.059255943	5.10509451	6.309462003
6.340632957	5.093128746	6.154249876
5.294124353	6.004608166	6.224556333
6.546537704	6.141503898	6.947123054
5.619397482	5.271635933	5.161638043
6.601359826	5.326264092	7.6432374
5.335493637	5.931170853	6.488928897
6.719861492	7.287648487	5.128178352
7.056712086	7.099915899	5.142439159
5.19814514	5.335083061	5.110694792
5.529764741	5.435350341	5.287205475
5.847574019	5.943183546	6.031451447
5.646681798	5.057743051	5.275820562
5.41868583	5.143887177	6.876593406
5.550526971	6.059324744	6.158281786
5.385145774	6.015009077	5.954820138
5.670207115	5.16799802	6.726337582
6.502107475	5.715688139	6.071153491
6.799557754	6.346896707	6.86353518
6.543570873	5.413212945	5.836610954
5.692272569	6.040194543	6.162308269
5.213575597	5.559803112	5.071754672
5.123166083	5.607791499	6.004545735
6.60168082	5.183641272	5.738138123

5.761811514	5.888239194	5.307816433
5.439582155	5.331983144	5.221551559
6.002218225	6.010850114	5.956216155
5.69979619	7.954892198	6.277028789
6.326402679	5.611588966	6.73276888
6.169488792	5.256764443	5.78195145
6.621800297	5.874786507	5.121584254
5.671588192	5.378140808	5.643425102
5.712416419	6.142805511	6.885731699
5.635959981	5.079269653	6.335041118
6.639396938	5.533586764	6.084547881
5.189065056	5.655900899	5.680811504
6.661154318	5.466891449	5.737205651
6.659072608	6.839912179	6.848593559
6.125865774	5.176820798	6.072723786
6.116142927	5.320692581	5.647434698
5.54250639	6.185390881	5.778327982
5.732623318	5.563356409	5.326161186
6.279427257	5.131880081	5.912228873
5.60735607	7.565649869	5.835657162
6.348403172	6.000792989	6.678241742
5.578686751	5.825481333	6.018064019
5.60589895	6.046281873	5.32900896
5.36715689	5.103622212	6.8474763
6.340606034	5.680180107	6.676567967
5.948500075	5.246834665	6.561397987
6.290246427	6.283597462	6.131455141
6.438353091	6.08217664	5.738894008
5.528341077	5.129413584	5.689446316
6.343899932	5.088127155	6.093013395
6.921935257	5.174573091	6.095846102
5.086840354	7.591376832	6.066358501
5.274484064	6.874245275	5.164265541
5.045398682	5.445779419	6.24510427
6.159033837	5.606878519	5.915523655
5.329602477	5.335600855	5.59807535
5.203733477	5.485017532	5.917563091
5.885339513	7.168998767	5.1713543
5.48583907	5.978422304	5.236309884
5.528031151	6.147516333	5.248702482
6.185292322	5.713468096	6.16937739
6.333375724	6.495546917	6.804519723
5.293607702	6.255690737	5.589463772
5.110295743	5.195312058	6.106801303
8.276851724	5.074370191	6.242347068
6.404852696	5.63697964	6.047087021

5.576227244	5.973721763	5.422977533
6.640541279	5.101156149	5.677333367
5.04385411	5.699902177	5.521698661
6.765868606	5.04212086	6.539475908
6.799392216	7.676408608	6.236387859
5.063427834	5.167977885	5.456088109
6.205440069	5.159743132	6.584902099
5.249334624	5.133228382	5.335502376
5.641713026	5.230526871	6.038764493
5.326643306	5.200416791	5.866230723
5.207500125	6.140439686	5.644192815
6.775166373	5.426230425	6.238045585
6.632881314	5.09375785	5.526156792
5.425027431	5.454250111	6.399292228
5.748400442	5.916008682	5.32591551
5.803028682	5.467180668	5.59920432
6.271462483	6.226099179	5.096019734
5.633427125	5.985516085	5.510467529
5.895043058	5.037127866	6.239621014
5.430208709	5.527852159	5.168251069
5.944835147	5.139871664	6.45485671
5.909152739	5.237092704	5.832857025
5.808966914	6.308955405	7.547648027
5.783966089	5.210993581	5.325686078
5.864170528	5.377972415	6.819870779
6.526586976	6.206992156	6.22673752
7.51792412	6.465930133	5.092489315
5.690681823	5.053531634	5.503817323
5.516477064	5.344279004	5.400875042
5.206842579	5.268689457	5.479278748
5.984283061	5.857744095	5.828818728
6.510684745	5.49411944	6.159426163
5.15808813	5.012292529	5.384456769
5.258274473	5.019760958	5.406823452
5.885879703	5.0963412	6.153087602
6.150512678	5.897128787	5.171909967
5.523079464	5.768733878	5.111309228
5.979834498	5.984833397	5.120491142
5.937261495	5.530235023	5.939508066
5.660074663	5.141492392	5.761347641
6.418188377	5.246795491	5.680662495
7.258356349	6.927783756	6.175259614
5.135056346	5.618079952	5.72464348
6.539005037	4.993526901	5.560781991
6.725528554	5.527325013	5.548268645
5.539744381	5.364290436	5.276780234

6.020380432	5.510696984	6.663263313
5.977717365	5.314834364	6.00882637
5.99728391	6.774796303	5.183992666
6.187129819	5.170039175	6.224427679
5.650552912	6.022014862	5.410452866
5.812340242	6.534740372	5.158091705
5.090880851	5.762100782	5.008992427
5.414868768	5.307562077	5.864500793
6.899568974	6.961498423	6.431358465
5.180005566	5.544990581	5.531262995
5.650528615	5.421652364	5.637226646
5.092771417	6.791286127	5.469706973
6.121470669	6.386462306	5.386582607
5.771380399	6.103251266	5.582062213
5.290445865	5.487253146	5.637446232
5.985758011	5.8942505	6.07466186
5.844073824	5.070072501	6.81532823
6.10583597	5.776726473	5.838426232
5.510376254	6.232718651	6.44306482
6.56693503	6.428830799	7.159388767
5.438628108	5.053334192	5.23323279
6.849650517	6.496621515	7.013349916
5.536117806	5.004621728	6.227755114
6.221922328	5.182496695	5.003206824
5.986866341	5.055252486	6.424330628
5.135386089	5.248978468	6.044110746
5.163483107	5.525245231	5.787693363
6.963924461	5.338819111	6.511136787
5.077776821	5.776803672	5.533203626
5.594456432	5.193985574	6.206284401
5.060562434	5.777613991	5.671719762
5.153720329	6.133451384	5.781165534
5.257320228	5.057482175	5.649222168
7.180241807	6.608737191	7.30858133
6.300392341	5.341708019	6.612541386
6.238778373	7.261841693	5.42662399
5.059954611	5.232166486	5.433474697
6.04630912	7.287040786	6.844475967
5.445166802	5.02196459	5.579302127
5.022607297	5.890811287	5.994609133
5.23537153	5.840124837	5.571709039
7.340711401	5.598129468	6.924534696
5.31737661	5.997640892	6.485366632
5.831774602	5.634159639	5.023782032
5.592175538	5.013590042	5.959334335
5.077537347	5.279801991	5.199680395

4.994807447	5.161480878	5.576168496
6.786667166	6.057122003	5.051320953
5.986159065	5.569991662	5.356285805
5.580459792	6.079517868	5.121904939
5.84199539	5.087718158	6.679992028
5.181444248	6.458267809	6.122493371
6.565633505	6.629131724	6.146869918
6.248391735	6.366742973	6.118178021
6.335379532	5.119959343	6.094370334
5.096945332	5.261670685	5.693465922
5.748384591	5.213502893	5.27673234
5.17052987	5.214879951	5.012218784
5.86779285	5.181207251	5.498642222
5.972724047	5.053650218	5.269546596
5.954797426	6.318612086	7.009389281
6.408201813	8.77117499	7.239823782
5.458869071	5.12947225	6.355896113
5.155725996	5.342172674	5.150426863
5.151279074	5.911212662	6.849393462
5.028634936	6.156172298	5.700232832
5.047171204	5.587295386	5.311096257
5.300606455	6.481637802	7.259928495
6.165446175	5.009120234	6.398319965
6.997526313	5.600574035	6.6885893
5.625224161	5.476655262	5.552016804
5.763216276	5.378579396	5.299817692
5.056868827	6.368960421	6.481071989
6.203559968	5.210647093	6.178758149
5.44961233	4.965937024	6.714062579
5.045353122	5.316149503	5.559283991
5.791864838	5.168807222	5.294360819
6.789383808	5.346497012	6.591323999
6.352225355	5.675313904	6.385199006
5.769599692	5.016742181	6.050579432
5.59572058	5.158273678	5.278572157
6.337045583	6.112434118	6.397801211
5.266104862	6.143156266	6.409202087
6.722734286	9.045477883	7.980520463
5.5470626	6.53625239	6.067326127
6.931361693	5.888274185	7.812170673
5.712125131	5.712144268	5.156190543
5.543481029	5.151167749	5.484319212
5.021936649	5.638053153	5.331387073
5.104523656	5.72816762	5.217968756
5.787911159	5.434063017	5.569697901
7.834453323	6.249188825	5.367096364

5.562369103	5.471848357	5.344473265
5.239579625	5.076198243	5.216047829
6.486236023	5.558486186	5.906355391
5.923014846	5.0070179	5.406673648
5.134216279	6.943689241	7.071368183
5.473385688	5.045686842	5.26295715
7.675265876	6.75744824	6.485131909
5.641418819	5.1549311	5.590016972
5.623111336	5.436460562	6.173524601
6.205657193	5.494794958	5.534972169
5.915663775	6.676257048	5.060400045
5.050390852	5.404928456	5.52975498
6.179580665	5.544688897	5.366266577
5.399527914	4.956489324	5.445537705
5.337591606	5.194052727	5.279780792
5.356193979	4.995632419	7.132278179
5.723785469	5.387466682	5.911355793
5.333770325	5.491155693	5.7986666
6.599579215	5.371715836	5.048849871
5.231335813	5.283454223	5.566590264
6.31092295	6.506666543	6.031740851
5.640087188	5.38296027	5.829430681
5.395499326	5.034530144	5.135989485
5.293852572	4.965187387	6.403998075
6.866437534	5.628256376	6.309322418
5.66723458	6.488279828	5.533390004
6.682922182	6.547111926	5.129494002
6.831513	5.752873652	6.706272702
5.55286402	5.397555523	5.684875135
5.791759647	6.067113294	6.519537886
5.854409586	5.005079282	5.844183996
5.306322005	5.041485724	5.464039917
5.930087945	5.763970543	5.795738222
5.800315295	5.707852541	6.119360381
5.081480701	5.10253981	5.282986716
5.921641946	5.011191363	5.238726878
5.636040001	5.164578332	5.53606456
5.008184535	5.576394772	5.033913006
5.228234557	5.655448644	6.268730428
5.702921692	5.828480497	5.513356406
5.884693889	5.211569536	5.620427386
5.137123795	5.404748293	5.063338926
6.514685538	5.012010688	5.319252322
6.417908786	6.507675159	5.51497619
5.507324211	5.49852443	5.000459945
6.577991837	5.241672804	5.74920822

6.121362055	5.611490494	5.671913138
5.334472589	5.923645832	6.034248984
6.005936724	5.566253298	5.101454518
5.763494751	5.001986374	5.924970515
5.616668371	5.60767053	5.146812446
6.598872858	5.897928608	5.655982919
5.002211678	5.801171702	5.06594941
5.395337903	5.770954249	4.964799156
5.877372047	5.44315019	5.360632639
6.104383037	5.229381566	4.973408747
5.387375461	4.956543094	6.175960105
5.528330309	5.864565943	5.543043605
5.915556161	5.131042075	5.996565502
5.17662889	5.827139267	6.193835865
5.12374448	5.226009873	5.122529294
4.979831922	7.131796194	8.012219717
5.793276253	5.016038318	5.882687359
5.912131112	5.061449087	5.952093158
7.038899462	5.234280786	6.931785218
5.036684059	5.828922674	5.821475477
6.616502632	5.189092637	5.281924116
6.072524538	6.305045277	5.595397138
6.672242714	5.380445987	6.19651455
5.804139975	5.166529648	5.341738466
5.704696348	5.025096713	5.629347941
5.670589335	5.456831905	4.981791529
5.176869183	5.705594786	5.524820524
5.808581774	4.943962693	5.288071204
5.214332111	5.053443326	5.842510568
6.925013811	7.563208388	6.32904552
7.36351145	6.062142204	5.353013655
6.489643942	6.013183714	5.72840423
5.542039109	4.965502589	5.630406959
6.42886707	5.278868922	6.003899186
5.243251826	6.006764474	5.608288006
6.032599349	5.478113539	5.561551896
5.890995325	5.067323918	5.097320426
5.706728883	5.717786127	5.370584189
5.532704825	5.382812368	5.392253809
6.802916769	5.072580117	5.324181041
5.391073847	4.970636673	7.521180241
5.380592991	5.582717129	5.19705896
5.947828093	5.71004846	6.347516702
5.928349627	5.709519957	6.183954362
5.771303156	5.882719708	5.821092749
5.89990159	5.705941367	5.581123663

5.142920074	5.12053457	5.060581837
5.052414668	8.436378259	6.516182951
6.435155166	5.549795711	5.299673842
5.9499324	4.95677763	6.038554922
4.934959814	5.320796886	6.330649054
6.060328914	5.076051549	6.831460631
5.50527001	5.695080781	5.538223836
6.142377475	5.611808863	5.868939114
5.428227605	5.539725411	5.03278182
5.373862342	4.942144574	6.332075434
6.118678747	6.072385702	5.361984337
5.487850667	5.20663467	5.811021158
5.976517735	5.305568971	5.555390634
4.928475249	5.094311809	5.444686387
6.638426717	6.384560595	4.954981251
5.860737522	5.331410449	5.920343915
6.360653281	5.362408472	5.851101395
5.755386298	6.577651273	5.667188086
6.623209418	5.709608354	4.933053982
5.968126824	5.828231854	5.151649398
6.091441589	5.405772936	5.423526131
5.866755906	5.365619964	6.130523663
5.716811485	7.05584947	5.1649093
5.477809099	5.663679118	5.946181667
5.75065737	4.915667879	5.758545507
5.659151838	5.684048048	5.435321411
5.125207671	5.970024074	6.038829695
6.210156685	5.549808789	5.896189395
5.492170952	5.51397566	4.95720764
6.046546857	5.769470322	6.203173407
5.137253907	4.890974243	5.207612553
5.571202437	5.344994579	5.089206508
6.072894681	4.979304828	6.611399774
6.00233835	5.95776095	5.405311115
5.764163254	4.98252889	5.608017215
7.335577629	5.011692015	6.678397359
5.174716262	6.221651769	5.621667204
6.017973171	4.990331528	6.205997817
5.443761987	5.233404547	5.274643862
6.283560599	4.947161871	5.638475783
5.50544123	5.68870674	5.095553559
5.435960103	5.865483388	5.577365094
5.935742059	5.221698006	5.344052097
5.669280038	5.847643636	5.303116339
6.034562859	6.326669785	5.721884282
5.984952343	5.511852724	5.797836632

6.027865869	4.933461173	5.170180353
6.665054109	8.210659734	5.339578501
5.738397975	5.133888243	6.290434997
5.676815779	5.709066752	5.650877284
4.954690462	5.112085993	5.160431838
6.400465895	5.228926543	6.521285589
5.538325933	5.275111519	5.291183914
5.585309686	4.970271397	5.477281523
5.96009834	5.783168025	6.279946888
5.63628786	5.901600251	4.992641889
6.152127198	4.980617107	5.636895781
5.577904362	6.06706443	5.344828459
6.305862555	4.927256909	5.017016575
5.643005122	5.961051406	5.692541115
7.750825309	6.452005174	6.305673894
6.558565814	5.708318219	6.895705187
5.823198718	5.910252302	5.696301395
4.931160119	5.103441922	5.419230067
5.311617895	5.067511258	5.773360454
5.019792613	5.433441161	5.367535049
5.500643805	5.149404816	5.028179069
5.261788333	5.417072389	4.994441202
6.818183228	5.315135445	5.045029808
7.229912247	5.246736008	7.395808348
5.512215267	4.953228262	5.95556507
4.992966509	5.417573143	6.30024842
5.400334313	5.067907275	4.893007468
5.544237239	5.586564959	5.353230958
6.656514902	4.910194258	6.769136427
5.173544017	5.649777554	5.266743869
5.663244467	5.137666116	5.446443123
6.524498709	5.196529384	4.991223268
6.733713142	6.22331809	6.558178315
5.3125958	4.961509109	5.658562185
8.752424989	6.377896474	8.961153835
5.135456994	5.90603554	5.194537353
6.093614372	4.868221201	8.829479056
5.487132037	4.942906888	6.237241891
5.781874841	6.089000277	6.333926204
5.875920906	4.947180735	5.69114956
5.991035331	4.935688691	5.618712741
5.442188244	5.143650425	7.063451026
5.079631947	4.894428491	5.369337624
5.103727408	4.998537647	5.111923108
5.763648936	4.875010623	6.244750204
5.075478792	5.143822134	5.615146273

5.573773145	5.416689419	4.995619749
5.030377411	5.260700459	5.721130707
5.383035924	5.392189204	5.781780346
6.619340323	5.926167777	5.147689582
6.507486168	5.345569413	5.48059552
6.097614074	5.457617822	5.921172878
5.266404375	6.10262856	5.513800506
5.26773176	5.912304496	6.140466646
6.579025326	6.610992811	6.424281577
5.261393833	5.097336146	4.995362002
6.316603737	5.814792264	4.941058316
4.88514062	5.822634979	5.420603263
5.116539966	5.126864792	5.373399569
5.626533302	4.950759579	5.753988274
6.263889105	5.057801098	6.008923651
5.520742181	5.557529411	4.942517583
4.913607367	5.27343102	5.151945715
5.769679293	5.909648225	6.400388666
5.760326875	5.312772008	6.884523363
6.584167306	6.736601031	6.218017274
5.219219651	4.974614913	5.461617178
6.130700874	4.904421835	5.410630483
7.868834	4.988141323	7.16338693
5.676559069	5.095160684	5.108234324
5.281261288	5.899105176	5.539899921
6.010766503	5.321245931	6.312351816
5.966333605	5.269608396	5.755175912
5.507652195	5.298011172	5.276856263
5.051149311	4.943135958	5.903722451
5.923700459	4.91905829	5.672566782
4.946910074	5.461250543	6.282845531
6.157533072	5.801794813	5.661798466
5.203396447	4.902987212	5.751274437
5.993244973	5.471823306	5.442299796
5.65520965	4.908573877	5.317872317
5.784963512	5.477471601	4.928087039
5.55634344	5.174393752	5.030988042
6.373881895	4.950778783	5.353555198
4.846518565	5.162528962	5.333542779
5.403902336	5.028944367	5.814593618
6.152131181	5.715119527	5.070598497
5.617427233	5.231949129	5.163927449
5.140440279	7.101257886	6.17244199
5.200500476	5.029823274	5.642702202
5.417811437	5.060144549	5.66102558
5.075500983	5.007325576	5.532631268

5.236097002	5.173098693	5.708777985
5.588398012	4.988224591	5.67139092
5.283271311	5.327229375	5.389944934
6.004383087	4.917833597	5.016097146
6.040549123	4.887325424	5.90673555
7.072827027	6.191333015	6.403938133
5.516786184	5.490016949	5.546516184
5.914203695	4.874730408	6.192399761
5.044817809	5.013096133	5.270396016
5.606745941	5.62728503	5.691729874
7.131021775	6.005488898	4.964625694
6.048338821	4.892808931	4.959529271
5.203129909	5.429375958	5.007183024
5.64772831	4.980458588	5.600157717
5.627591183	4.905133391	5.565511187
6.043507004	4.939928648	5.453982875
5.127033118	5.080333933	5.504361729
6.081807508	5.535701092	6.685759518
7.01954201	6.391073401	7.626216124
6.326394882	5.783214839	4.968442839
5.0050606	5.404548492	5.733522098
6.87065927	6.079222002	4.838779823
4.851262121	5.565900018	5.268178425
6.814631131	5.039199674	5.595622419
5.140958404	5.382176752	5.154726205
7.053823688	6.151446041	6.599992433
5.238333571	5.88211107	5.486948504
5.846761713	5.011276523	5.482063212
6.063034532	5.350329172	4.960343899
5.095640732	4.913912289	4.888258424
5.860533147	5.009149733	4.910292554
5.302060575	5.318498574	5.358157276
4.917230461	5.400317566	6.045189654
6.222165579	6.229942052	5.334904738
5.762245251	5.292868894	5.461071957
7.148783335	4.95424271	7.202972889
4.970495175	4.847479296	5.584668684
5.526461599	4.954352574	5.378881273
5.481348475	5.695938683	5.298357683
6.060850354	5.851705864	5.833713055
4.884069293	5.534196853	5.609378363
6.286222458	5.490429606	5.941070275
5.903962113	5.583353901	5.934784328
5.795747319	5.161512111	4.943523229
5.110303312	6.867794707	5.370440802
6.013809348	5.528225469	5.64661474

4.928629873	5.20943449	4.875616241
5.541522113	4.998599716	5.603306142
5.042165571	4.9182823	5.655529448
5.452284564	4.943481654	5.103186378
5.461310846	6.235140062	5.900327881
5.729514787	5.835547959	5.84062135
6.064583493	5.29701943	5.589207249
4.896403618	6.132388385	5.736068473
5.625809984	5.070232847	4.862833797
4.883870105	4.883569106	5.254809185
6.116942761	4.953154566	5.157029949
5.317552315	6.060203605	5.620064955
5.69952326	5.521409849	5.468137542
5.667768513	5.727161458	6.455585475
5.112222646	5.318137901	5.057595188
5.639872435	5.454520518	5.717833186
4.934525316	9.127141157	7.340470282
4.951004097	4.968330413	4.865322436
6.025417521	6.012028766	6.186510418
6.014008222	5.429588302	4.999953594
5.725423335	4.920068635	5.063010721
5.781630865	5.012894192	5.774652376
5.734902343	5.146809415	5.563457891
5.519510873	5.022738466	5.539119689
5.249571941	5.043479393	5.561728935
5.438729722	4.885953992	6.510674522
5.491169101	5.381692914	5.410380782
6.273980227	7.711344289	7.63692962
5.716198608	4.930711882	5.732797083
5.673943265	4.858706791	5.748027691
4.821036005	6.080228819	6.171866114
5.960552509	5.231146393	4.99230553
6.497742617	5.51233106	5.742745953
5.098398663	4.812384627	5.544039514
4.964932399	5.305291809	5.407902447
5.575487717	4.872441688	4.893301443
4.959762559	6.052219408	5.48200924
7.239687292	5.772395306	6.163833827
6.682856408	6.576659506	6.345362636
5.354575258	5.294915603	6.721964481
7.413011458	6.633053092	7.469284572
5.445020354	6.222956584	5.031441513
4.97949618	5.091234983	5.439551154
6.478375317	5.063912447	5.84452949
5.004083704	5.316918069	5.301446605
5.118975986	5.464110952	7.005585827

5.601194469	5.768841541	6.085872554
6.879821252	6.590577412	4.91357478
6.141457047	4.843354656	5.571306429
5.07062129	5.050631579	5.290204295
5.58719425	4.841264907	6.604908105
5.093348455	5.003698131	5.288150854
6.48748804	6.678106589	5.432310103
5.140992695	4.802322616	4.902355585
5.789044037	6.096356649	5.963389585
6.170043538	5.997252232	4.901410118
6.057354172	5.185520711	4.932813128
5.76170223	4.948772291	6.487264576
4.809230757	5.628955583	5.793057226
4.930218176	5.091881533	5.396647019
6.61882012	5.998222417	5.911208503
6.086896587	4.981695302	5.38423285
6.383832113	6.254458758	4.817961202
6.619623203	5.954656689	4.831017166
5.877321184	5.742763848	6.128976794
5.035688499	5.583295036	4.810468676
5.563773623	5.163572823	5.075711556
5.620213821	5.284776468	5.169919443
5.942407249	5.025646637	5.00887817
5.050531704	5.607390371	5.975810871
5.325260005	5.348881722	4.940239146
5.563196329	5.282172463	5.814163554
7.480463582	5.951251441	6.078129372
6.580000184	5.954271438	6.159329139
5.645449431	4.97215357	5.884661497
5.056883998	5.583149504	5.175973357
5.162042063	5.169340059	5.113836019
6.23612777	5.508172397	4.796141838
6.063668372	5.246336528	5.99694954
5.248890347	4.875215339	5.481521172
5.838470706	4.955755823	7.165673449
6.524446731	5.90958215	5.099589755
6.380728522	5.098187987	5.8716618
5.035410931	5.781062863	5.640834832
6.602952627	5.901665482	5.717192292
8.546084209	5.838110641	4.854158634
5.233737939	4.842238759	5.333048793
5.430224989	4.959665369	5.865800382
6.015070042	4.863829509	5.748234945
5.279910747	4.859173802	5.168748671
5.941934611	5.786219685	5.556676109
5.556543855	6.208209466	4.866706259

5.241709482	8.075368444	7.988702149
6.872225323	6.288939225	7.026154398
5.566886081	4.965599456	5.69775328
6.575999757	8.178705587	6.380900456
4.781875004	5.505436811	5.818052268
5.493481804	4.965958545	5.090223034
6.007202683	5.656240962	6.070718489
6.170673467	4.823804691	6.071125395
6.876492467	7.094306188	6.544460918
5.170786674	5.359492923	4.959510442
5.779155083	5.325304861	5.832659747
6.359367338	5.009805754	6.102235101
5.026248655	5.630835169	6.174538462
5.540692699	4.905939335	6.15081938
5.876454247	5.462531573	5.391587971
5.658097046	5.273576821	5.134096687
5.562076885	5.832706929	6.235062742
5.455832316	5.456435648	5.515173049
4.915153585	7.265454945	6.461839397
5.054078956	5.039919195	5.387427141
5.494946197	4.908533729	5.770673103
5.5144743	4.818327364	5.393397643
5.915806751	6.839184207	6.979617013
5.737633283	4.967171901	5.782647218
6.033022022	4.983017885	6.060600152
5.701646084	5.768220295	5.174368968
5.14900262	5.304079943	4.941374826
7.232019413	6.505657797	5.090059625
5.392574769	6.24168168	6.346231194
4.848361042	5.547725021	5.333696789
4.825695115	4.822229736	5.40291199
5.971899538	5.484720927	4.994304685
5.49086316	6.009658921	4.784201061
5.184705122	5.774270356	5.856263874
5.996689499	5.449072604	5.744571315
5.257530283	5.142464747	5.126536221
5.988900575	4.833992641	5.658781229
6.052718933	6.059513321	5.813795499
5.524454085	4.943935254	5.33194187
5.730512682	6.029043134	5.014471491
5.118767388	5.986836888	5.594659223
5.075110581	5.024586926	5.232409439
6.012832024	5.280161999	6.786175285
5.037854469	5.968015409	5.765699017
4.911268408	5.531795026	5.1803865
6.926702899	7.17793752	5.964995495

5.486397807	5.35713287	4.929318097
5.474599847	4.800634397	4.989362003
5.659769457	5.503806143	5.181171223
5.558064239	4.932387396	4.896982167
5.426964422	5.022299197	5.429721747
5.615978946	4.844938563	5.577770132
6.99416778	5.814041854	6.534874686
5.373971081	5.19941897	5.648223272
6.146496538	5.324154032	6.08264868
6.118618158	6.437887633	5.626572336
5.971983696	5.654099403	6.254977868
4.783925829	6.4262324	6.18798094
6.708648985	5.872815348	7.042850637
5.432168566	6.067685308	5.384817505
6.216860127	4.9153683	4.901329678
6.405390707	4.817193734	5.419962842
5.109594233	5.174405585	6.027187042
6.247624777	6.456111403	5.608064922
5.455889731	5.630576455	5.916582099
8.966059415	4.843675279	5.628316387
6.118091933	6.732100546	6.296478543
5.584253469	6.15970834	5.910843084
5.938492909	5.41512429	6.486578953
5.650495515	6.66463373	7.812000936
5.293192264	5.453868228	5.180766356
5.620262768	5.80084172	6.22879482
5.707654343	4.853744994	5.049574113
5.288647501	5.287903412	4.861081378
4.763384979	6.370931232	6.274128866
5.203699907	5.293276022	4.924778882
5.486146745	5.100333858	4.964197055
8.179071394	4.81775224	6.728130655
5.901156261	5.344150665	5.532752733
4.794440054	5.275487487	4.938409984
6.034349443	5.067494849	5.531838467
5.095971219	6.032308239	5.885740825
5.568085017	4.824919389	5.454045227
6.289527473	4.80360432	5.716157504
5.408163047	5.728352225	5.983945151
5.934819049	5.743647574	5.8748189
4.830572892	5.55963645	6.409551102
5.301698597	5.01146354	5.562837447
5.16093783	5.603163456	4.849338568
5.327291443	5.722173423	6.464274061
5.630713461	5.245692407	5.117246666
5.231496054	5.281973295	4.827797073

5.715959396	5.315785418	5.163423592
5.049073451	5.573431787	6.172801084
5.820441709	5.372531367	5.100519515
7.230354967	5.099996416	6.507333369
5.20875965	4.910460103	4.885801223
6.267933523	6.225716985	6.089853809
5.324283832	4.88476934	5.067205158
6.577982935	4.786645212	6.075064587
5.225492144	4.884519799	6.601436735
5.844348776	5.243898087	4.747560183
5.525161183	5.802925269	4.924664616
5.871335259	6.022748886	5.617537973
5.381991496	5.012105227	6.298920078
5.167469154	5.505384591	4.871242017
5.363581611	5.243337668	5.599005831
6.169408928	4.845469633	5.868835695
5.980372675	4.852036936	5.53761975
7.257139978	5.000763617	5.138189988
6.163240071	4.777894845	5.975579384
5.358231019	5.115917023	5.57044996
6.700692424	4.871431682	5.739008896
5.425910175	5.085271443	4.984482062
6.07459262	5.773200503	5.287850164
5.161948697	5.063783914	7.306929834
5.40036157	5.222310179	4.952368751
5.641987764	4.912857427	5.245583022
6.432287735	6.550487643	6.280456725
5.175011573	7.083091019	4.837283371
5.63749212	5.472514199	6.133765591
5.969314854	5.23922613	4.919732715
5.99530885	5.574144198	5.752565706
5.172600527	5.050098744	5.256195283
6.328886056	5.184698048	5.711958619
5.290716817	4.792845923	5.166294924
5.371148963	4.781868651	5.367250036
5.662069943	7.377619865	6.809135337
5.678185618	4.821845744	5.045514671
6.432507026	6.270578514	5.819024832
4.844669925	4.795958517	5.689468506
6.549335916	5.852373971	5.617804507
5.061564272	4.93151524	5.678180656
5.673656823	6.116701144	6.22455752
5.880233447	5.745681971	5.351712976
5.450508133	5.265191812	5.803324194
5.459807802	5.316159666	5.340076551
5.930249397	5.26928065	5.639856047

6.500981597	5.594725865	5.939133469
5.41391745	6.451088501	7.359205526
4.808519439	5.360881711	6.097402294
4.910177633	4.844997719	5.122232403
6.412796946	4.914993156	5.76808925
6.668363136	6.318440535	6.464159042
5.688521846	4.850199989	5.073429501
6.321119655	5.314348429	6.502951728
5.68772732	5.025958194	5.10450044
5.847424507	5.543736017	6.134906028
5.642770155	5.508257291	5.519204234
7.776022819	5.426823862	4.88644017
5.649256587	5.022548433	5.793927286
6.261632578	5.065282135	5.847909481
4.887720953	5.923700409	6.176379517
5.613375216	4.782961808	5.15891018
6.136124064	5.085970125	5.160542851
5.767242872	5.922332781	5.854883276
4.890312109	4.960233926	5.861481512
5.6385084	4.921552009	5.411666422
4.938180439	5.244002502	5.242185132
4.818631391	5.815770433	4.909511367
5.31444234	5.298065019	5.71141117
5.228863775	5.39176766	5.489143164
5.713328579	4.759308698	5.404842446
5.89937317	5.415354415	5.510716982
6.217389569	4.866213433	5.156009805
5.247658496	4.836704334	5.031545301
5.676332035	4.965288929	4.911143275
6.648580047	4.758125185	5.028454202
5.08823604	5.02482072	5.02898644
4.762150734	5.055028471	4.97163306
5.924527099	4.724650969	5.872705655
5.641952284	4.839748853	5.874284481
5.929598829	4.81592379	5.12597241
5.321879701	5.281461408	5.333949217
5.324957211	5.336373245	5.062541037
5.164693918	4.986144271	5.007227462
5.702996557	4.996876366	5.032174406
5.182140079	4.795831752	5.129991082
5.0955959	5.207954353	5.466580879
5.517342663	4.988057583	5.207783809
5.350573811	5.057601617	5.295473539
5.305997592	5.320232538	5.380288615
6.663104955	4.850883321	5.669277355
4.9329506	4.850559156	4.963110425

4.833939356	5.006645904	5.573534966
5.242743882	5.292682619	5.82624289
6.330194631	5.859008495	6.643840494
5.735900951	4.783894843	5.558764469
5.591282031	6.180780714	7.40657135
5.728071584	4.770378935	5.542898318
7.366531533	6.522535851	7.122618262
6.146091235	4.763720231	5.020778443
5.352145482	4.846970378	5.173091247
6.240742751	4.817625208	6.203785568
5.489484707	4.924134352	4.880614293
5.427605728	4.705265772	5.967769671
4.738085907	6.032656286	5.778082376
5.898617565	5.332873842	5.930682695
4.811620344	5.44355778	6.576234859
6.266166437	4.913980764	5.123276382
7.733649374	5.511641469	6.769201405
6.024713709	5.017242524	5.880370965
5.76551483	5.187997671	6.049447728
5.22924153	5.049582631	4.970772229
7.481359251	7.320746835	4.736603503
4.88017002	5.193044773	5.31692183
5.419326075	4.908661094	4.777378871
5.184398852	4.700042887	5.281822399
5.555026387	5.654513186	6.33909292
4.897008203	6.020824172	5.701871165
5.677826617	4.906364164	5.560552648
5.1736081	6.142906275	5.140184749
6.469627289	5.197363885	7.317634356
9.497555124	4.864312073	8.80212336
5.353213847	7.547924344	6.558496698
5.90682087	4.989437289	4.848288234
6.042730188	5.419350477	4.831135584
5.097606047	4.760530759	5.343206428
4.905947668	5.267183966	5.556108759
5.785108058	4.844461421	5.552809103
6.830380189	6.062051678	5.984542733
4.771414392	5.257127286	5.744727696
6.179220728	4.731331221	5.056056807
6.216753926	4.775905803	5.303616146
5.378767895	4.914846613	4.821249351
5.153297729	5.52234622	6.494691929
6.025035677	5.11812707	5.309688315
6.850583189	4.779350924	7.382776018
5.514782798	5.740819731	5.271115991
6.793763235	5.825618062	7.361190993

5.104690045	4.76440358	5.182688689
4.848796486	5.385650285	6.179291154
4.791869231	5.22827652	5.926187608
5.515840709	5.346326622	5.853168468
4.792769392	4.932898849	5.147207456
5.267242436	5.473596735	5.875169348
5.28820545	4.78918163	4.798179695
5.030126994	4.759765862	4.991775658
4.854877201	5.751274626	5.250578335
4.808996132	4.810848623	5.764412566
6.064639081	4.756555756	6.054987319
5.858908608	5.799030633	5.803662926
6.074996253	5.299024484	5.102410756
4.923885032	5.328396701	5.993651385
6.36485558	4.95082346	5.511089195
5.37031782	5.032949039	4.81617732
5.066760427	4.942014992	5.062516728
5.136926078	5.539783505	5.31014409
5.638638864	5.742621591	5.253053185
6.462394587	5.96994807	5.832615063
4.892771488	5.374385665	5.047445845
7.219735296	6.129496246	6.405872468
4.7571987	6.633490165	6.359232968
5.651873223	5.550958312	5.919846939
6.630974049	5.420120752	6.58352094
5.330500416	5.077853218	4.889631765
5.015419118	4.824975302	4.96194972
5.596680448	5.057359709	5.812608274
6.002182848	4.778306279	5.965709209
5.431190368	5.473424652	5.297371015
5.504277835	5.551523203	6.031942688
4.685769666	4.779325174	4.942372978
5.822249919	4.736189088	4.821717063
6.576766948	6.782058527	6.710021321
4.970599792	5.168871137	4.924380559
6.672949854	6.976250072	6.956099152
6.762106165	6.283403423	7.30790314
5.309640063	4.923459944	5.738751073
5.319937336	4.810288989	4.883273236
6.118489979	5.330205791	6.055357064
5.613474062	5.54224513	4.765086353
5.329034017	4.838108328	5.359321544
4.742570268	6.812952877	5.044962724
5.958635896	5.595001291	5.598365665
5.709880275	6.248602705	6.322010401
6.367923583	4.782638214	6.347986842

6.388449509	5.110048559	4.705745623
5.611010296	5.454359566	5.337224918
5.05668399	5.464534318	5.989475271
5.372011127	4.689037643	4.68788779
4.691453143	6.044889588	4.97090311
6.30763008	5.507632487	4.742906311
4.88111885	4.69024497	4.893069012
5.453219499	4.778736096	5.68328908
4.698538589	5.566301506	5.24289735
6.87293517	5.964228001	6.159142308
5.559521204	5.676426223	4.689807542
5.017455001	5.065975226	5.476620842
4.743625565	4.988859595	5.473720284
5.138862078	5.463858124	5.048760633
5.866789751	5.152820208	5.140796056
5.7914319	5.819364113	5.583905721
5.405845465	4.717384198	5.140323783
5.98863039	5.563996344	5.546118866
7.095377661	4.731713101	6.033096824
5.405008937	5.91175384	6.466620009
5.074590994	4.66482841	5.059555203
7.071555774	6.195687706	4.999141811
6.326430506	4.981553705	5.012380369
4.675993913	4.903309804	5.350342143
4.646127575	4.807062592	4.819545292
4.983643877	5.789756103	4.796391578
6.243370052	6.345069374	5.214516485
4.979114768	5.380085801	5.243419791
5.291531306	5.052345431	4.893103585
4.703474926	6.107760379	6.01495844
6.422802516	4.966090613	6.146828684
5.796498531	5.070502478	4.700193848
7.078377239	5.817907877	7.005054737
5.708632806	5.529225462	5.165895238
4.830650388	4.975104493	6.199402135
5.523049928	4.812098522	5.169786589
6.266662042	5.452801511	6.527834725
4.890528878	5.060598281	5.725426009
4.94140542	7.562938403	7.131438012
11.3405555	9.133934755	8.107244416
5.930354512	4.714189652	5.962866983
4.750582456	4.946504012	5.002945462
5.777308853	5.136682555	5.294124773
5.166701866	4.977585029	5.201234371
5.86579002	5.496872768	5.660989233
4.716823254	5.694695399	5.424737789

5.493239223	5.058973139	7.835809463
5.49370764	5.08164042	5.22486084
5.211041568	4.68876048	4.964302135
5.6836544	4.643655669	5.873823519
6.694170693	6.166412404	6.039969353
7.108709545	6.198568731	5.464869776
6.243179862	4.918845326	6.018946311
5.526000558	5.45171186	5.530720366
4.812250342	5.178756017	5.142532634
6.483992345	5.225715943	4.707165993
6.319190191	5.691407981	5.684191576
6.449153096	7.250753248	6.953057083
4.782487672	5.734745329	5.434062863
4.847239354	4.67521437	6.361022963
5.527114675	4.741153458	5.129971122
5.1872028	5.099342025	5.190486586
5.936130399	4.712745794	6.556358311
5.711769357	5.325983027	4.784669006
5.434973272	4.949241154	4.973785454
5.495184668	5.539349554	4.721046334
5.919946437	4.664722398	5.245544436
6.983807294	5.417836315	5.426732502
5.844591451	5.790737737	6.595649332
5.52753427	5.502604686	5.745802937
5.254182641	5.438086721	5.70597971
5.684166883	5.07236226	5.116542109
5.624499663	4.883079531	5.693647301
4.916780999	4.988388458	6.344467049
4.960242687	5.234463603	4.716383843
5.840083118	4.709118321	6.105955532
4.808557911	5.78150459	5.505570258
5.024014756	5.868259539	5.376029764
5.246815077	4.928760328	4.74413126
4.995393697	4.900714485	5.008516038
4.780931063	5.933428328	5.842871669
4.950704266	4.670601245	5.337886973
4.673371806	5.2266835	4.782501964
5.613672083	8.145832784	9.32194909
5.235299134	4.645694076	4.834505832
5.864766205	5.730766552	5.466655029
5.834106508	5.067543927	5.16846873
6.949449219	5.481442604	4.709927349
6.232724409	7.385241116	4.777121591
5.838631932	6.514424035	6.573927725
4.879654141	5.160216212	4.794677582
5.093799662	5.120771229	4.808227644

6.184377496	4.749162941	5.718216492
6.287466968	4.845584605	5.033991469
5.524460943	5.659674994	5.347270815
5.18738909	4.977956676	4.984238326
5.072355791	4.947176798	4.710530682
4.637256263	5.157317414	5.823498452
5.157875505	4.957274908	5.590293264
6.339289992	5.386301752	5.730733703
4.826494683	4.642485897	5.383679677
6.93917583	5.974634522	6.133240329
5.699249735	5.17454638	5.607759213
5.634476742	5.493836581	4.611024046
6.288788499	5.936397631	5.299551679
5.945189646	5.31988685	5.481580287
5.698511895	5.881922308	5.722304877
5.588683705	5.336537011	4.963809273
6.187658586	5.616104313	5.83538568
6.868822789	5.580328825	6.705405893
5.75960852	5.15388428	5.431473142
5.765293683	5.170145743	5.943023882
5.744238688	4.687646387	5.576778771
5.405803062	4.658256424	5.317716928
6.255393912	4.683827716	5.231272184
5.765842733	4.652937383	5.719989735
6.373389662	5.336551074	4.631329842
5.067724166	4.951788322	5.789712132
5.034083144	4.732227035	5.816392429
5.004990949	5.013388382	5.521875784
4.710795796	5.245979268	4.957650179
4.740446761	5.205097348	5.63405476
5.324303908	5.012341811	5.470011677
5.883482113	4.80606758	5.407314193
4.619714318	4.755428748	5.08570114
5.402299344	6.518052824	5.771341756
4.637403064	6.345333625	5.529566858
4.765998074	5.810257721	5.185621402
4.683174015	5.488456229	5.791504955
5.743353836	5.206971458	5.795936869
4.761547289	4.719486208	5.070209816
5.554859271	5.008077339	4.672333998
5.261874541	4.741153396	4.822868302
5.511204812	5.847204762	5.735436402
6.56962834	5.713823899	7.373139962
5.216839934	4.72326351	4.841287425
4.960491125	5.349165287	5.08800329
6.221050203	6.312811081	5.1617582

6.332126755	6.239136205	8.275139312
5.645128744	5.6649985	5.430025261
5.088086439	4.660335638	5.026999694
4.902613034	5.65506286	5.733388141
6.584221886	6.70105905	4.96202997
6.252710945	6.016770012	6.329207717
4.997091753	4.855747397	5.298093254
5.364923368	6.125204806	5.711085288
5.483854708	4.602852522	5.353858713
7.068060197	6.216378227	7.77256715
5.979963225	4.99873169	6.097511677
5.43254854	4.636360687	4.99288288
5.397836874	5.298156067	5.450410593
5.498216664	4.685155134	5.172831605
5.40162823	5.334241081	6.078916878
4.904321535	4.647391796	6.135706219
5.003587578	5.661492967	5.807508398
4.701423286	4.916129769	5.341486906
5.555341893	5.240148768	5.66478995
5.512501481	5.365412986	5.647376451
5.812210274	5.938563165	6.323727841
6.090169645	6.52474027	5.841816598
6.149950021	4.627528994	5.005941915
5.716313247	5.150585626	5.442297169
5.170041719	5.602506283	5.262940549
5.425041328	5.287391089	5.792575732
4.813422867	5.759795155	6.476348153
6.461142209	5.410588635	5.364297518
5.054943157	5.301876952	4.777796286
4.921491108	4.631761307	5.700597954
5.282908731	5.316940749	4.907896466
5.58381588	4.617660068	5.68827376
4.629518812	4.837089212	5.974140089
5.81680287	5.371609621	5.392680155
5.210953962	4.866526134	4.768347397
4.86326525	5.334325451	4.696792729
5.219761987	5.622613192	4.630531086
5.838068402	5.759844495	6.386062814
6.126486005	4.655747247	6.06724788
6.904263777	5.840028411	6.066469861
5.72486186	5.920240064	4.854206422
5.377902297	4.647348807	5.385016895
4.975823329	4.655224441	5.041261339
5.680984497	5.149052236	5.069784046
5.254207745	4.755888927	5.782913473
6.046204688	5.9644949	5.674814291

5.446361995	5.573072344	5.475772152
6.410276571	6.017561809	5.446301471
5.093811326	5.113299774	4.875783347
5.456391342	5.267869133	4.77123467
5.166307176	4.700050262	5.059267298
5.671957957	4.602261635	5.37011458
4.88733975	4.745783485	5.465270379
4.615094513	5.423690664	5.462150648
6.276391993	5.606747864	5.871405057
5.598277329	4.680904317	5.500163235
5.040630343	6.466297555	4.74140752
5.596718732	4.9082361	5.928152301
5.808940767	4.720461598	6.034407974
5.10999153	4.740154796	5.782369403
5.737723795	5.086482186	5.88637995
5.657579903	5.53582514	4.863750738
5.647771025	5.396072991	4.626057981
4.972528004	5.696763331	4.867319959
5.845533427	4.669346885	5.488214186
5.192481554	5.055146874	5.307443551
5.16972555	4.929272095	5.199579878
6.167576997	5.614471486	5.656037491
5.198748891	4.732418566	5.241391613
5.384256135	5.365952273	4.744167808
6.152494254	5.595318771	5.891077671
6.114780749	5.80310728	6.854119594
4.702329681	4.663112039	5.800709562
5.341902016	5.113081436	5.222342538
5.944150371	5.378670865	4.851302863
5.834534398	4.804555734	5.784584212
5.307047633	5.514146458	5.142305399
6.425784366	5.541909212	5.198541311
5.788966445	5.070872897	6.173511811
5.550173484	4.633751253	6.513856104
5.913220476	5.78166887	5.505860449
5.800457491	4.763773331	6.359394139
6.68551746	6.72674791	6.2020609
5.540880066	5.689825109	5.283344836
5.024915322	4.673974156	5.565856244
4.985131448	5.279654967	5.104586115
5.178343999	4.61649496	5.624136654
5.010495106	5.480223727	5.018897358
5.587869441	5.040101913	5.863679429
5.030515888	5.447880863	5.676822136
4.992419828	4.879520011	5.375610848
5.637501406	4.676248089	4.903265612

6.102645842	7.008191152	7.081116966
5.689420601	6.643881093	5.798097407
5.930925391	4.829282069	4.851989516
5.989494853	4.648363005	5.310830979
5.328441642	5.557140194	5.741441591
6.897588432	4.642085617	6.608405838
5.984588825	5.079782553	4.645915311
5.515382349	5.358304511	6.016288979
4.699277097	5.365813332	4.675483198
5.175149043	4.674787286	5.261610583
5.407652762	5.536915638	5.497318679
5.907144886	5.055268263	4.667506476
5.437316193	5.011361804	5.000487109
6.326204621	5.059950615	5.829031124
7.296747241	5.904313389	4.863420151
5.774933307	4.753203955	5.890352953
6.2978272	5.379480212	5.550914177
5.250749883	4.765662455	5.416327982
5.589357266	4.821726431	5.20796098
5.970135696	4.598386303	5.693336204
5.857118383	4.786832797	5.475079317
5.261457255	4.693751979	5.078392645
4.670606933	4.682564133	8.348845508
5.301168427	4.797577022	5.254303023
4.602171566	5.006726639	4.662054223
5.954521217	5.726440153	4.801603612
6.269115673	4.89856631	5.153743207
6.895519199	8.087356327	5.953970475
5.734295404	5.828167757	5.509354642
4.790430211	4.702858516	5.517460547
5.356160441	5.458658186	5.044875358
5.11841563	4.598776412	5.245604623
4.660105406	4.655782109	5.907200884
5.286008688	5.395726694	4.669204356
4.846833186	4.715597601	4.876189651
6.542687906	4.655896211	6.49963581
4.593573151	5.199415247	5.051397822
4.726947285	4.931159984	5.410283965
5.085791513	4.968830292	4.772278579
6.155907878	5.687562221	6.026148781
4.908170804	4.669639176	5.87606278
5.028535795	5.042705782	4.758321245
5.516285823	4.619011322	5.752968597
7.11681412	6.273008679	5.74861391
5.296492963	5.758870678	5.729766814
4.890240368	5.762504667	4.961178093

5.024932233	5.426132523	5.203869445
4.85814776	5.542966141	5.009199335
5.517822517	5.192408946	5.535643351
4.694264082	4.749251128	5.754333122
6.48531744	4.942576343	4.894080349
5.350166613	4.599408593	5.361643521
4.910944293	5.677470439	4.945826224
5.261389786	5.649158672	5.63577688
5.592863255	4.698670476	4.831364043
4.78538811	6.751764768	5.817128437
6.073937521	6.17319585	5.982641016
4.57422995	7.108745777	5.408900675
4.814515397	4.871822241	4.809558521
4.86768545	6.712125149	6.545920619
6.611152228	6.698671404	6.933578664
4.76261712	4.902391052	4.99109496
5.252150757	5.09404348	5.271613927
5.396154516	5.066596418	4.990998096
6.716265196	6.519769748	6.356862496
4.854123876	4.940513221	4.763289023
7.37852973	4.721635075	6.100222074
5.474776487	4.647692128	5.133621556
5.039825319	4.619824401	5.146916921
5.282333876	5.631255962	4.670415409
6.397978427	6.380593645	5.860379511
5.943182464	4.685626133	5.237096184
5.407599082	4.690116091	4.645144586
5.427772108	4.769134855	4.954892735
5.0628314	4.9381363	5.102217277
5.137715281	4.850900182	5.125081994
5.120286583	5.987356186	4.809359946
5.888738048	5.494733356	4.751005053
5.446719498	5.061611093	5.643262698
5.045776727	5.367714778	5.666481911
4.580894224	5.217992946	4.984768969
6.278066822	5.639152793	4.690330105
4.77023713	4.785846906	5.131125347
4.827855571	4.705656139	5.426451363
5.627164665	4.631038161	5.628338023
4.546823249	4.659945108	5.169570975
5.815372445	4.738286466	5.431959839
6.364445837	4.619515995	5.82868823
5.605731179	5.664996807	4.806484904
4.960016633	4.818721351	5.737295274
5.858096352	4.619837671	5.377200982
5.229319317	5.157951531	4.633977123

6.248893487	4.852440475	5.70395032
5.543688015	5.165483618	5.700325834
5.335421651	5.380195261	6.069531473
5.418771443	5.678146289	4.619057558
6.094613518	4.806028592	5.485943937
5.506738028	4.585624072	6.506596473
4.754875662	5.597676481	5.602018079
5.780229555	5.012823552	4.883447822
7.446935759	7.872111694	5.404272346
4.673217459	5.267921341	4.914999011
5.377454397	4.842173328	4.947092377
6.152033999	5.254172021	4.914032151
4.832584403	5.054444102	5.868655573
4.992917258	4.88633882	5.093788502
5.414925679	4.865882063	5.630296902
4.911868386	4.558703093	5.246982727
6.131856609	6.532702754	5.367094653
5.170132958	4.706780276	4.765776548
4.90187694	4.857156422	5.864236758
6.441351817	5.457528245	5.209820737
5.433979354	5.226510989	5.279607055
6.275245437	4.592301538	6.124706393
5.349303919	4.856468966	5.463343502
5.392840062	4.573985694	5.876502751
7.806051131	6.70386837	5.509540216
6.038833881	6.107773423	6.757197636
6.17646441	4.597229845	5.069152994
5.517476537	4.629896521	4.705283576
5.213811062	5.390719197	5.281680248
5.759054793	5.062392883	5.612022565
5.457318246	4.632775688	5.425002998
4.628724254	4.761992159	4.823038132
4.853865942	6.53973821	5.51255594
5.497985029	5.004380504	5.592912314
4.811631704	5.806852306	5.615840679
5.96159779	5.230408477	4.688274701
7.062277281	7.169602779	6.686576055
5.587527645	5.40525798	5.883309505
6.297347874	5.922155313	6.517895852
4.643868753	5.224273561	5.053394227
5.394237958	5.558186303	5.676616617
5.37731243	4.95547652	6.446734072
6.313754682	5.401601523	5.771104547
5.064768143	5.095563322	4.800964132
5.618938998	6.529884756	5.630773941
5.145975856	4.730768897	5.56349652

4.81043144	5.047342022	5.462570385
5.061306765	4.71451285	4.645926186
5.444723899	4.700054606	5.068464934
4.634172799	4.927763669	6.086644457
4.98729909	5.518829981	4.934343131
5.660208247	4.53461053	4.873149444
5.783442149	5.054196823	4.733193659
6.145457683	5.244148297	5.695158813
6.29313297	4.552927127	5.312838924
5.011320817	5.221615028	5.15968935
5.744773916	4.521630397	5.736951922
6.474399796	6.343831796	6.230663494
4.997704	4.607147206	5.317099654
5.869533775	5.109588977	6.311541205
5.588551398	4.723042128	5.291155872
5.215691643	4.608389893	5.167613438
4.543464808	5.558571351	5.50185025
6.340615325	4.553116587	4.980955169
10.54515566	5.371345941	4.80091521
6.209240109	6.154821262	5.408301381
4.90229032	4.894286555	4.605515902
5.663118597	5.133766775	4.538598596
5.529416486	4.489482967	5.899068664
5.176565637	5.171133551	5.268119317
5.792728666	4.87877942	5.382703769
5.197082705	4.552172309	5.193246143
6.286681893	6.421394548	6.468095536
5.496451004	4.687381725	5.202782408
6.156800719	5.757077209	5.356768758
5.3155686	5.076999026	4.542087419
4.49164395	5.321708618	4.85153585
6.024202262	5.480606727	5.695042749
5.878693284	5.15662948	5.580792701
5.347940449	5.184927988	5.603566087
5.038842673	5.628849457	5.313826643
5.179282502	4.55177836	4.96189483
6.680069025	4.558131472	5.629780358
6.301404717	5.026524373	5.71525049
5.145023565	6.250537783	5.033385146
4.640859333	4.96571636	4.983219675
5.440693986	4.806810266	4.697289125
5.417146495	4.681673014	5.557781423
6.232631477	5.335556647	5.714999077
5.393400708	6.066326219	6.947577206
5.414309761	4.932348152	5.30952728
6.470181669	4.550829379	4.696888807

5.75015611	5.017685892	5.685156976
6.017112273	4.665726832	6.812982805
6.132919233	5.408002717	5.264412675
6.516909171	5.718459677	6.453293666
4.972586042	5.208664968	5.003101808
4.543843583	4.57661901	5.221791381
4.495355263	4.806774657	5.910536341
6.811705386	5.822512476	6.401085296
5.983680345	5.730224817	5.886565674
4.937256822	4.744853634	4.852361943
5.466878829	5.888506182	5.7527759
5.226869778	4.68669902	5.10879743
5.185937533	4.532991627	4.671668141
6.204192108	5.67547106	5.052228655
4.589797603	6.109506588	5.353773974
5.905822173	5.440016752	5.401193371
5.234206851	4.535211657	4.846703203
5.229118467	4.524653236	6.910229126
5.551495358	6.317252849	4.903119415
5.368353357	4.891914217	5.089553545
4.81080245	4.593587509	5.17764271
4.568581771	4.659442536	4.719299732
4.94064864	4.601632323	4.783204716
5.314058435	4.795472699	4.528904927
4.806262206	5.12841227	5.293705008
6.241624779	5.588509481	4.704368352
4.673278118	5.506722884	5.831914306
5.650709538	4.777292739	4.571359906
4.72926738	5.640885972	5.826884478
5.503657059	6.655217758	6.090545454
5.402140615	4.510149989	4.912368458
6.379643206	4.808838581	4.582818705
4.833609013	5.241337381	5.076916153
7.799968653	4.69868659	4.503829282
5.316613665	5.606531277	4.476309485
6.125988066	5.540198267	5.642635669
5.705630605	5.316695798	5.725892789
5.11737973	4.721174399	4.70918435
6.192433418	5.66908464	4.810007572
5.963898348	4.705064953	5.94530952
4.536875771	4.596270124	4.598760256
6.687345908	5.807258247	5.807789597
4.732899586	4.595844494	5.548597785
4.78953316	5.582252201	5.198902254
5.710564116	4.532026917	5.084275549
4.509890754	5.051117617	5.594472133

5.071008331	4.90597842	5.526423102
5.367799709	5.653176322	5.241847007
5.629436371	5.893411321	6.997866382
5.419361922	4.51744552	6.661379507
6.042750254	4.529691512	5.738512698
5.577567423	5.071876657	6.065892925
5.426483591	4.611791529	5.256229264
5.22311295	4.521218594	6.049191159
4.563085859	4.475764695	4.661072604
5.649360891	4.517433493	5.063643624
4.808984575	5.079901254	4.526305263
4.859217662	4.64445231	5.234628994
5.426661226	5.072553448	5.785026745
5.170558886	4.922527167	4.456289498
4.888587603	5.049229813	5.702155502
5.647819175	4.750362945	5.057290436
6.040403026	4.550282054	5.989852031
4.523264928	4.949208315	5.065769322
5.792251083	4.775482413	5.211827148
6.615793095	4.548856241	5.511555916
4.667706085	4.934639508	5.32264678
4.594850888	4.89221155	5.624963409
6.824189003	5.769395828	5.795847625
5.766217721	5.503048421	6.253988203
6.22339095	5.894901445	5.355471895
4.538378711	5.305488056	4.988406484
8.867907667	8.01664084	6.593534463
4.562663766	6.352514148	6.233033356
4.757306469	4.926317001	5.128528299
6.095639629	4.604781518	5.264669979
5.371882493	4.693475396	4.552833898
4.860214001	5.425962972	5.315350352
4.557917936	5.379491651	5.663225193
4.500398198	5.789363993	5.270104561
4.77372969	4.784153866	5.072750176
6.374209216	5.949921779	6.213954898
4.720562327	4.861515456	6.253033378
4.534068139	5.108091784	4.742681363
4.602144052	4.723365539	5.271835399
5.537864266	4.651952793	5.76863894
5.875282296	4.945274783	4.517767984
5.001602175	4.892473124	5.11471788
5.005547532	5.052327301	5.503699671
4.501657909	4.869495454	4.762209114
5.390901514	4.565708326	5.403719797
4.888318541	4.995044238	4.531820395

5.316355684	4.583187055	6.065324032
6.934879034	5.954188169	4.778876566
5.718345478	5.295267689	4.615993796
5.645811099	6.394187705	5.357565202
5.222452592	5.519727417	4.616922588
5.521935181	4.677006344	5.199017039
5.058444938	4.503624098	4.62786526
4.977786464	4.621565906	5.066264414
6.469296501	4.575907404	4.923972842
5.925762052	5.755135723	5.89338314
5.5206607	4.656999001	4.587053341
4.798570225	4.869821736	4.789725324
4.68261846	5.383547536	4.806579302
5.509136346	6.523428466	5.562206458
5.787782802	4.707262975	4.697202151
5.204347114	5.2118134	5.664573084
5.850750904	5.212760573	4.616727019
4.469338889	4.735924751	5.246807608
4.743350145	4.508147304	5.223576089
4.840009179	5.197931914	4.843982672
4.709971707	4.962670648	4.497818148
5.608794782	5.225087007	5.050769471
7.496114591	6.763426041	4.81546479
4.768422504	4.674396421	4.628262406
5.669756129	5.488001227	4.954054139
6.100573906	4.622922146	4.488833532
4.595785834	4.828244779	5.496719717
6.57484378	5.024156861	5.743032094
6.316491526	4.94876605	4.799792855
6.092294676	5.025365519	4.867518256
5.434994261	5.115176053	4.472417372
5.918653661	4.579582695	7.04800304
5.661115069	5.107193778	5.283320119
5.128280383	5.186267729	5.782442905
4.959663686	4.710476785	4.807511184
4.812213399	4.869580737	4.631891081
6.165506235	5.570229334	4.496430109
4.888853368	4.53449512	5.311066644
4.910909191	4.809909592	5.262099403
4.482639939	4.589719074	5.113756923
4.611468157	4.964437977	5.073375152
6.534609718	5.969494876	4.827468964
4.616441104	5.090331782	5.715125883
5.443240786	5.062894418	5.975272272
5.170621904	4.496431678	5.90087402
6.736508006	5.790799717	5.231199597

5.476229889	6.643105484	6.409223974
5.359736647	5.040288384	4.805643264
6.097595274	4.473001347	4.786214159
4.864217579	4.924571889	5.331048857
5.05562427	4.804983211	4.578513208
4.65616519	5.389422928	5.350132648
6.532187013	4.751727428	5.064221421
5.015091929	4.765477293	4.550586932
6.405433357	4.499867222	5.337048216
5.364914828	4.67189294	4.674952269
5.639445973	4.547649704	5.317909569
6.133818393	4.986493989	5.928484773
5.541938396	4.693042513	5.134491883
5.173817282	4.472240294	5.412392766
5.068887107	6.246961968	6.366205588
6.600151211	6.274694673	6.787230038
5.620062774	5.72502824	5.22369744
5.705225514	4.432752047	4.591244917
5.223309633	5.020744095	4.517781412
5.983246972	5.191687791	5.173626601
4.871061482	4.862640663	5.297156853
5.295419587	4.651832539	4.935343997
4.574559647	5.284921677	5.504038217
5.768843693	5.124808816	5.391386584
6.104253042	4.482175894	5.161277346
5.315711278	6.46896773	5.576576017
7.066672967	7.549888531	6.284018894
5.524121847	5.57978179	4.634210681
6.013038708	6.350582284	4.859062395
4.698442438	4.43261983	5.400441356
5.42069203	4.998679858	5.205484843
6.23359892	4.685118411	4.940458592
6.688571786	4.648388217	5.822781571
4.472518726	4.949114727	5.231466292
4.699899004	4.646104089	4.859606823
5.620577516	5.739878303	6.537688678
5.28571214	5.146421292	5.065045211
5.642678499	4.536348919	5.758873682
5.400940167	5.452910261	4.912196239
5.449343403	5.017839876	5.410917181
5.82560944	4.449865018	6.056140056
8.757854081	7.739358263	6.998746939
5.700824243	4.563779902	4.593619698
5.555550372	5.487445823	5.650129372
6.341170239	5.247601796	5.758675762
6.899018683	5.679924064	6.58751017

5.728995483	5.492007362	4.580562023
5.777072595	5.57701059	5.056255621
5.253589181	4.619278201	4.764450471
4.86763089	4.795087154	5.319513808
4.638098213	4.8847912	4.607351407
4.678234272	4.778365897	4.736008419
5.447358973	5.751440284	4.919915364
4.733097177	5.276814201	6.821605888
5.957445403	4.498882609	4.455164439
4.90738759	5.020668014	4.824878171
4.92389031	5.416299048	6.057745442
4.792208201	4.873242804	4.881455428
5.237576643	5.021225566	5.95452733
5.494740826	5.419671228	5.179567085
4.482378742	4.810453558	4.515490459
5.04117893	4.76094119	4.743786695
5.645402926	4.480881156	5.987814171
5.574961421	4.448285277	5.251594596
4.48804399	4.996846628	5.055200985
5.751381022	4.927976165	5.359358736
5.689668269	4.836588827	5.79213972
4.945874726	4.490443652	4.542565967
5.483437961	4.450941321	4.571446902
5.225298552	4.651501588	5.509161464
4.502121812	5.210102838	4.673738981
5.674737258	4.401104546	4.871757212
7.121716875	4.427948111	5.782810127
5.278660301	5.725560441	5.377645106
5.751836564	5.441819926	4.626133223
4.615199868	5.082628934	5.272441007
6.193571987	5.458497696	5.86401768
5.575481529	4.795171393	4.412029128
6.232265685	5.834157035	7.181703463
5.478937945	4.534510955	4.788657599
5.436434674	4.594800385	5.267624214
5.374018936	5.036717026	5.49765916
4.845311323	4.917275064	5.070917915
5.111054109	4.670100217	5.092917004
6.107628468	4.964195933	5.388143641
5.114627054	4.419342513	6.002584183
4.996969343	4.519129669	5.514196894
4.97957261	4.62384551	5.417127756
5.834622018	4.990541378	4.496817095
5.198942222	4.573457944	5.437534073
4.743752174	6.384358801	5.804707315
5.160528108	4.541571759	5.345207238

4.444630602	4.791488165	4.953500258
5.660334966	4.515368024	5.555898459
5.645467089	5.254245423	4.544818721
5.149741055	4.483322915	4.501042172
4.638966444	4.815539405	4.574259828
4.417437396	5.653304481	6.557641576
4.423483369	4.994218991	4.966020211
6.223407354	4.651206755	5.657144349
5.811299284	5.398253051	6.009409827
4.385044105	5.512762839	5.491617651
5.471157735	5.189311252	4.821638713
4.880051258	4.535654002	4.881556662
5.036664186	4.418731611	4.657243077
5.120197296	4.492300079	4.457585348
4.625960692	4.484840354	5.54435886
4.525397029	4.739151125	4.912380821
4.48818018	6.896446404	6.198738666
5.199395658	4.759100836	5.185258365
5.261456269	4.876015709	5.428746773
6.291377235	4.918791111	4.69969379
5.824849076	5.855444571	4.924720495
4.808734159	6.60211875	6.553654923
5.568577766	4.415223506	4.89101654
6.898548369	5.34995643	5.84294485
5.510949116	5.594881735	4.455129602
5.287336784	4.434149005	5.443890884
6.076773352	5.119514466	5.775221726
5.777769261	5.916719448	5.270030695
5.219799966	5.773597813	4.834953247
5.6690291	5.689379197	5.041496375
4.43481656	5.260187854	6.393016906
5.288214071	5.361565731	5.123134301
5.053760401	5.414856541	4.772841648
5.458569649	5.12755368	5.023455827
4.860253261	4.7822494	5.456355537
4.748140923	4.686914515	6.341554334
5.1115026	4.452479749	4.859363035
5.026023944	4.915140411	4.998634371
5.211056975	5.696902756	5.522570188
5.785972896	5.645194803	4.506715986
4.820961761	4.836498454	5.33264961
5.80900229	5.619829206	5.00294436
5.28547489	5.368031425	4.576037109
4.66649861	4.381100437	4.575549092
5.237101824	5.033198305	5.282863513
5.738364128	4.423425376	4.946218235

5.463397419	5.810458134	6.39195407
5.498112041	5.595754433	5.013302374
4.448510619	4.726039312	5.353957116
5.842974742	4.561834383	5.593110911
4.545377369	4.438298322	5.12114688
5.427628384	5.537696947	5.882674717
5.256767877	5.597753679	5.969719043
5.792973174	4.988903211	4.990907911
5.277754729	4.673700867	4.489756044
5.000249435	4.982417178	5.406027722
4.788246544	4.856758093	5.73443462
6.910885628	4.892961782	6.010864126
4.970077748	5.394096245	5.721942702
5.914460287	5.379056246	5.276802799
5.047713938	5.686777815	4.724217313
4.414285654	5.744633301	5.427481705
4.455266305	5.680513531	5.323353329
5.5040961	5.350671443	4.664088526
5.434511422	5.188357323	4.443807662
5.27802083	5.099939301	5.507578532
6.072870951	5.698239229	5.839316516
4.416374013	5.1289829	5.460990639
5.20334901	5.770206246	5.919620857
7.065134075	4.54664538	6.180124218
4.574993724	4.549495311	4.535479682
5.06186585	5.383349397	4.85707238
5.431644994	4.961708323	4.843195256
6.441212759	4.666809891	5.431341923
5.669806314	5.042073584	4.906306382
4.518976013	7.13756634	4.517040122
5.569288725	5.528301209	4.918376952
5.824634117	5.874637956	4.766675365
5.595173779	5.811508361	6.294393898
6.317937038	5.524954321	4.888237602
5.32806228	4.933932356	4.955058358
5.131098432	5.696877054	4.433382187
4.759267237	4.797329223	4.472057325
6.540320283	4.389801533	6.306996957
5.75126343	5.022826837	4.917518818
4.825582038	4.448456201	4.632716287
6.510726986	6.31323292	5.620765277
5.04077883	4.752948713	5.330718829
4.997625182	5.069484411	4.823667823
5.498179799	4.354752833	4.814570119
4.859466037	4.393358975	5.085101776
5.337049905	4.829190403	4.427935266

5.543446589	5.244619252	5.208825883
4.438793462	5.414352446	5.869239369
4.815323383	4.449886157	5.15485698
4.499045255	6.059550843	6.042613908
4.413699364	5.335721144	5.489633016
5.545638421	5.700830841	5.189043032
6.520350862	5.097388615	5.395664724
4.375284687	5.157073851	4.831060899
5.626977828	5.672882802	5.284920264
4.421648084	5.353660119	5.936393516
5.640384275	4.474634239	4.914695713
6.3031531	4.373187639	5.275553075
4.410910331	5.392715618	5.45145737
5.118423193	4.363394548	5.172468693
6.621000699	6.122557015	6.498526548
4.398097245	4.711197734	5.819705454
4.438909093	5.641772603	5.037505877
5.299249307	4.906048787	4.908095826
6.090096596	6.334165415	5.811215084
4.593874949	4.416480423	4.774389812
6.492639538	6.026970585	6.022445829
5.517026273	4.666385201	4.956516508
4.768722906	4.695288274	4.767819604
6.740700242	5.571871962	5.000252332
5.468915363	5.034518735	4.61630318
5.149234495	5.018033594	5.041788743
4.935613243	4.380474887	4.798864424
4.528975085	4.386207603	4.920072259
5.507326231	4.762891332	4.614952253
4.836484545	5.527393855	4.788668635
5.657809044	4.910953436	6.040683177
4.350324221	4.604940978	6.012165468
5.4711458	5.10460431	5.235219807
6.117446999	4.401088622	4.375611602
4.372973939	6.317427478	6.825320575
6.980841128	5.123604641	4.367664379
5.198906722	4.350510934	4.781533946
5.017180251	5.033192179	4.974321513
4.700225141	5.044792744	4.58879356
5.39824651	5.107798188	5.637064663
5.371981833	4.527555582	5.148881349
5.850774269	5.255124075	4.779103139
4.422728247	5.128327399	5.447160473
5.732050853	4.843737355	5.610107062
4.788644231	4.778099645	5.407922959
5.561729541	5.383734311	5.150025236

5.969853798	5.423110488	4.965836488
4.82829974	4.529436967	5.183262857
5.604220635	5.401568204	6.822015033
5.529494421	5.876942031	5.110827277
6.980717805	7.185411591	6.088460993
4.873878688	4.581644974	4.930774754
4.915417477	4.516932868	5.323142429
5.364711434	4.536786947	4.854667255
5.198761018	4.51839034	4.683971762
4.476008436	4.949013066	4.630752516
4.996981129	5.491108431	6.247536121
4.990969153	4.848877312	4.942790877
4.619007474	5.424894387	4.876447335
4.445675592	5.937769354	4.775851551
5.83023569	4.470098494	7.269829637
5.736728723	5.525024581	4.947183106
5.743381142	4.890738662	5.803928423
5.347272594	5.203018087	5.737546659
5.708401946	5.105579667	4.704847211
5.210685154	5.222875882	5.293001224
5.393197767	4.765652909	4.702381406
5.282810424	5.505273496	6.035626919
4.654961013	4.449424294	5.261280472
6.04737757	4.470430503	5.746513998
5.463643259	5.681904472	5.313344763
4.339850136	4.491281926	4.843461116
4.915632419	4.36819738	4.515807341
4.522258849	5.476025138	5.883307492
5.38795875	5.112463485	4.852400638
5.425969146	4.36883604	5.067904094
6.485043412	5.594588941	5.599097961
6.019076051	5.580326095	4.531183402
4.863823851	4.782374291	4.946519696
5.588798904	4.809460257	4.945542913
5.157665178	5.290394945	4.951922706
5.748464821	5.811306926	4.430730966
4.521214066	4.360595239	5.566886713
5.720736171	5.175318969	5.359704937
7.238230313	4.617436649	5.876461209
5.678370334	4.441833274	5.431833836
5.082599687	4.371270159	4.631732933
4.812916899	4.681873326	4.669413346
4.331294875	4.777325553	5.58893743
6.844872262	4.394429075	7.019304085
5.972349727	5.947565671	4.343399757
4.989404474	4.893419712	4.356127149

5.243256026	5.183472512	5.74194631
6.226249795	4.429294859	5.33208189
5.1272787	4.938822022	5.36842637
5.065315878	4.433798516	6.244795894
4.673230703	5.17854906	4.772540546
5.823312556	5.507560717	4.38674943
6.218477465	5.287796539	5.617399521
4.689927761	5.566383072	5.159824057
5.353186254	5.222564944	4.368884363
5.395769279	4.906898856	5.212021428
5.217175385	5.847657499	4.329707198
5.092908557	4.47928353	5.288445764
5.324238567	4.787461682	4.653595601
5.06281856	4.628520285	4.49964674
4.929951392	4.927776931	6.076289203
5.194307906	4.391223717	5.184331024
4.544329705	4.590255959	5.032630362
6.729916939	5.909957448	6.121445088
4.816687768	4.623777007	4.833475058
5.370610904	4.361470678	4.851585395
5.003907203	4.711799521	5.003906386
4.444860143	5.463856956	4.544715606
5.525163681	6.115817948	4.321119526
6.005419418	5.715615698	6.885045428
4.378981563	5.067844762	5.847613417
4.537736047	4.800446388	4.585216266
4.355185412	5.656751248	4.963866464
4.604200401	4.478357469	5.182750665
7.408962384	4.533119921	7.331796114
5.741172287	5.546797196	5.147052738
5.779120897	5.709918693	6.326117746
4.40614169	5.98939944	6.237450144
5.501862224	4.7635867	4.592622387
4.384018928	5.30777384	5.236572463
4.910551805	5.208575508	5.012089328
5.601511648	5.516247438	5.173581642
4.855117042	4.401758202	5.675115604
4.436650163	5.404940714	5.01771493
4.415283145	4.480024938	4.860740463
5.36678568	5.168749324	5.442153947
4.440898141	5.255140586	6.249484841
4.790571207	4.533832268	4.419324093
5.879797017	4.902033885	5.525733819
4.712346613	4.487568803	4.374388397
4.965539464	4.726133838	4.87528528
4.931116017	4.407193907	5.052154075

4.765869413	4.472065685	4.799128845
4.62129608	4.817713848	4.339700712
4.586441919	5.132728277	5.210830001
5.331827419	6.317741388	6.003055612
4.786286524	4.483949155	5.179690506
4.709068893	4.505788249	5.27517398
4.701451694	4.535804488	4.725443934
4.492305071	5.496847948	5.297816167
5.617992332	4.436145471	4.467125474
5.661196419	5.343195363	4.757322517
6.004711828	6.334409896	6.10366897
5.390309041	4.580856707	4.972183346
5.625158482	5.157089937	5.06335169
4.991349587	5.05486136	5.154106867
4.857862858	4.389713438	4.949616715
4.461248058	4.336222023	5.064475266
5.324123041	4.661711444	4.565638095
4.390379091	5.153001911	5.026797296
5.002415933	5.19041673	5.412411477
5.742896298	6.112463751	5.113859873
5.174103685	4.728514019	5.193586926
4.43270652	4.33455471	4.897960414
5.348923313	4.375164728	5.606416272
4.856335303	4.699779058	4.868586306
4.956921627	4.364237151	4.758537643
5.227459253	4.860973528	4.852345994
4.855025825	4.422265702	6.651125127
4.548046779	4.701021014	4.606297668
4.516838877	5.503677007	5.061455795
4.742610628	4.402373036	5.265812896
4.678061078	4.991720801	5.412859481
4.836950659	4.756274317	4.903399576
4.833325653	5.122101973	5.242399597
4.795695447	4.425291838	4.753084656
5.463085746	4.345877872	5.213587892
5.532842387	4.455216742	5.487251454
6.187552294	6.799605892	5.75563768
4.360310706	4.689601819	4.443139314
5.127915447	4.392414423	5.012646702
4.397900793	5.578640587	4.587115332
5.639058041	5.123658671	5.870315375
6.812323259	6.821923547	7.085995988
4.310814936	5.177053847	4.993375563
4.924735923	4.799576758	5.773028373
5.686849062	4.329639778	4.83799437
5.025166493	4.301654768	5.255776574

4.870602592	4.368664578	5.214940267
8.33871401	6.655726488	7.170538555
4.912888606	5.339928307	5.081076507
4.920626588	4.686819973	5.398111697
5.30563986	5.455860221	5.351448283
4.635050609	5.180490162	5.514915333
4.795107231	4.350433913	4.66895665
5.115559673	4.378670666	5.140158726
5.224926164	4.299516259	4.86357981
4.674490474	4.539027212	5.10417033
5.214700804	5.635973227	4.783110107
5.365805553	4.76019771	5.073603256
4.545648914	4.773082734	4.367504968
5.82509365	5.124652324	5.107587039
6.270939253	5.250798603	6.236836308
5.033732115	4.828106512	5.394657005
4.310347614	5.301112521	4.456869713
4.853591772	4.348815627	4.847819722
4.569057806	4.548924449	5.100286825
5.049758358	4.427821668	4.773197471
5.086103567	4.98234717	5.15089958
5.122874715	4.847288966	4.518985303
6.064518759	5.576738426	4.29966648
5.335844537	5.274755326	5.718615806
4.901748806	4.477544945	4.414797882
5.276058908	5.443929002	5.769875409
4.64469084	4.743373323	4.376535999
4.921606969	4.694308151	5.590070356
5.655791128	4.931748594	5.906061919
5.479370762	4.787375295	5.348553904
4.939689537	4.585254112	5.359917608
5.829185212	5.182477776	4.569621
5.405907181	4.328330549	5.114678756
5.954196547	4.309985687	4.84527111
7.52620449	5.121291758	5.77137842
6.337898387	5.116056082	5.32741669
5.287622383	4.575630298	5.297786062
4.421734892	5.384860383	5.589219388
5.250697583	5.39579868	6.560555881
5.885034209	4.661870598	5.10978684
5.241521519	5.338892925	5.392748645
6.446926358	4.962481207	4.398404761
5.417656597	4.986644812	4.830154777
4.735477516	4.305853765	4.95007884
4.329971573	4.507694198	4.983711097
5.332899357	4.619174108	4.403715935

6.084086426	4.478769862	6.192818329
4.556682139	4.496096021	4.997043804
5.267688525	5.214128537	5.469596124
5.248817473	5.61160884	4.313648358
4.615557613	4.587158462	5.25301993
5.261020888	5.59444493	5.007194534
4.816628504	5.433572892	4.503263254
4.765763742	5.22769297	5.282031011
4.92540654	4.471438275	4.487181544
4.402845259	4.412215688	4.464063836
4.29372746	4.774800319	5.155305104
5.648261144	4.735393928	5.522156499
4.429476089	4.903267115	4.579508544
4.761559584	5.095260631	5.114063275
6.484339134	5.925349914	6.051647396
4.628353136	4.491021251	4.615340602
5.535130182	5.80641751	4.3099537
5.330450566	4.337224761	5.205790994
4.564717399	4.438608668	4.580663387
5.102098818	4.520203117	4.936774796
4.361913593	5.025790843	4.956191117
4.325617161	4.972341949	4.547600947
4.271801888	7.253749985	7.052146961
4.761751006	4.517728399	4.908890421
4.651263229	4.361573805	4.867545575
5.290438723	5.236138312	5.115293205
5.009672863	5.375524686	5.534947111
4.491821317	4.622834894	4.381912038
4.686989046	4.313611965	5.25377948
4.808540067	4.835584809	4.736581329
4.792441813	4.295902428	5.200695287
6.635877482	4.288313595	4.487019498
5.129331811	5.021951234	4.374689565
5.479162943	5.178375838	4.358973419
9.52084253	4.643301333	4.375051835
4.4104656	4.483829182	5.045300889
5.397359115	4.552448811	5.336353
5.105493973	5.838331681	5.509504065
4.748010971	4.765630729	4.532394891
7.572960128	6.26328695	6.380050676
5.998915699	5.095938541	5.582927048
5.493200567	4.631349739	4.997644388
4.629833541	5.429736952	5.012772615
5.703730539	4.323484673	5.110114919
4.39856602	4.964117035	4.591100073
5.97247167	4.32008308	5.355455251

5.122050312	5.44700549	5.568677835
4.552874469	5.227849207	5.188269643
5.243775374	4.438644612	5.736994303
5.003591945	4.821141599	4.386866622
4.907216089	4.902229641	4.314386559
5.49725116	4.792689596	4.467250388
5.373365776	4.593367883	4.253750447
4.995105571	5.472353363	4.778934185
5.7090891	5.251078738	4.430958714
5.052402535	5.420518355	4.673096997
5.577443458	5.078672395	4.27167001
5.172222239	5.129058293	5.218839153
4.504369149	5.580888603	5.860007837
5.041223934	4.585059995	4.897402069
5.402970718	5.03046085	4.902027778
5.471526928	4.407966947	4.775528252
4.295321761	4.414311247	5.08464601
5.142305365	5.29909537	5.338278065
5.02335266	4.339987566	5.015272249
5.353981805	5.687591487	5.715497462
5.919876495	4.517700294	5.094387764
6.123197563	6.284746585	6.236795424
4.673460626	5.567980582	6.455813339
6.090212032	6.070989502	6.361354423
4.654295775	4.538783675	4.369368273
5.183949103	4.309180525	4.696039079
6.742714281	5.755588599	6.418023365
4.889091592	5.662742899	5.446628604
5.496249659	5.470254149	5.84849884
5.631433681	4.580574333	5.297641253
6.124791551	5.254751618	5.390786554
5.315882768	4.456205273	4.652185681
4.676781708	4.319240733	4.996958333
5.140924771	6.704950244	6.044984336
4.890777907	4.698635349	4.403022477
4.737984426	4.903410388	4.954864535
5.215766559	5.087037875	4.518517869
5.672447468	4.49556082	5.538155773
5.267861688	4.995960588	5.358069054
5.488829146	4.501951377	4.330971513
5.221621392	4.468607346	4.813112218
4.980183302	5.267392488	5.004399094
5.619098144	4.352561232	5.490599133
4.586472149	4.728875979	4.516913692
6.850991725	5.396538989	5.066963903
5.471814236	5.851607188	4.956626821

4.980896459	4.460838745	5.397017722
6.33693105	5.020690646	4.664151317
4.239673066	4.952463811	4.599452799
4.265360689	5.339890088	4.603953166
5.390213908	4.639031339	4.285102517
4.248011726	4.8672931	5.268310978
4.776839455	5.201689064	4.624536648
5.734975413	6.816606943	4.389404625
5.329916046	4.559907751	5.226287291
5.860447081	5.671356667	5.62521864
5.544134469	4.339102655	5.089603725
4.764384912	4.333078074	5.231100578
5.040614372	4.810887307	4.228103342
5.121814207	4.855574949	5.666035854
4.445799537	4.34599839	4.749906497
5.564150221	4.890553807	4.495926979
4.630275755	4.787403136	4.744565894
4.539200043	4.283154441	4.417831276
4.236364707	4.569929818	5.206511104
6.030511672	4.392885249	5.53751257
6.018016823	4.644959489	6.478720641
5.337059272	4.928933196	4.699238496
4.325203958	4.40955266	7.597246567
4.537135955	4.801175645	4.691846527
4.437721924	4.267008608	4.641092347
4.907948072	4.862310469	4.278180842
4.339009731	5.189524158	5.122247748
5.287158455	4.47033544	5.05334146
5.268097679	4.387342153	4.597699095
5.481856593	5.401247916	4.993289638
4.953335445	4.800706628	5.132770757
5.818750515	4.285335884	5.360791123
5.382926658	4.790980627	4.726756018
4.253899891	4.541853856	4.491321398
4.51017597	6.170283615	4.307974762
5.293636871	4.659558518	4.928022852
5.050736399	4.214535418	5.260115135
4.590491175	4.517702315	4.993384752
4.409960237	5.161122723	5.099973096
6.478485489	7.128591517	6.708488372
4.60602825	4.349591009	4.539582931
4.415304451	4.271093595	5.679212395
4.726446675	4.274396992	4.339785145
5.70594977	4.716214151	4.343201688
4.427171772	4.473397137	5.112383063
6.399134845	4.919092031	6.726196978

5.275747661	4.747299714	4.515058565
5.310773326	4.959815328	5.32371816
5.725205634	6.463246869	6.635519248
6.055044796	4.257094384	5.200516554
5.621459438	5.174001868	5.883321872
5.113418204	5.807705491	5.667759771
5.331102503	4.266571868	4.269996589
5.488603163	4.644331924	4.265333207
5.168075458	4.200952057	5.022071828
4.22288771	4.410317158	4.461132346
4.791189274	4.475694759	4.423079523
4.269477535	4.747751388	6.115079581
6.387945368	4.426128179	4.860433502
6.003842114	4.666103234	5.504461896
4.900086035	4.845776322	4.230724922
5.554363162	4.277954518	5.075796085
6.191825906	4.802934587	5.145717982
4.718554929	4.227928296	4.847553725
5.079935159	4.406866692	5.284918403
6.666957389	5.660706301	5.559926172
4.654060418	4.262323975	4.326823478
4.241927376	4.972286479	4.899058709
5.336974861	4.50958243	4.997517061
5.707087139	4.992625185	5.031312623
5.028109261	6.174572849	5.725832687
5.200409359	4.427843456	4.970094053
5.79221961	4.87634277	5.287355849
4.703883107	6.122715172	6.104981481
5.069942903	4.237365825	4.81956118
4.469728149	4.488493389	4.299981959
5.268218717	4.263255293	4.704994253
4.940218786	4.240082145	4.434569247
4.573536511	4.655670082	4.649696454
5.605162857	5.363369923	5.408364111
6.42499244	4.478578744	4.638442493
5.006046028	5.490227884	5.024926356
5.229583003	4.237436919	4.919038377
4.915398474	4.287021769	4.398470081
5.422207504	5.117950288	5.296925193
5.078328443	4.264282174	4.770658596
6.367612525	4.368616744	5.43918162
4.653596967	5.05514769	4.54127795
6.836543882	4.280004138	6.801069377
5.873937332	6.25970205	4.963707343
4.633783535	4.201175128	5.234804863
5.49389961	5.018905877	5.421791575

6.458320686	4.608157734	5.192148414
4.49314202	4.454343378	4.239241407
4.857359725	4.537161651	4.342586603
4.521829874	4.247422151	4.392875958
4.988752967	5.011334298	4.275021825
6.732376328	5.839429424	5.886592626
4.82921612	4.599300584	4.604409447
4.75345357	4.654363962	5.588941272
4.627750371	4.22447124	4.92290364
4.286872021	5.253786138	6.415538244
5.098137106	4.284875116	5.066834976
4.96142006	5.646210417	4.33966799
6.238877658	6.883307539	6.342284205
4.175885656	4.706185744	4.460046462
4.259837364	4.347743284	5.769980206
4.360748804	4.701162551	5.038311649
6.370945719	5.705205349	6.675184834
5.293291853	5.265084156	4.601138153
5.110687456	5.192430059	5.191210032
4.728854671	4.258098201	5.19680437
4.683277619	4.496379955	4.349796806
5.363258497	4.235237558	5.497098955
4.211395809	5.342045352	4.73639595
4.669203953	4.456875728	5.435924295
5.458114991	5.102678824	4.203490662
5.294508314	6.005745851	5.250598703
4.384515576	5.056416986	4.433913517
4.323436632	5.195643226	6.338868021
5.911354375	6.526312796	5.366642137
4.26246231	4.619017355	4.737271554
5.193610755	4.760946709	4.776456077
4.49862774	4.494854254	4.32098843
5.840994333	4.832463916	4.386236714
5.391278369	5.926268806	5.418679142
4.597722671	4.522178245	5.026454761
5.461880439	4.861509157	4.846858784
5.154336548	4.536145193	4.516931409
4.922263677	5.001132301	4.310938672
4.509327751	4.509099659	4.472060613
5.175212337	4.17459746	5.360421779
5.334309836	4.73755117	5.235470924
5.143486426	4.423668304	5.015921141
5.113003992	5.004065888	4.47733793
5.234719926	4.651153288	5.12148092
4.885414199	4.248887769	4.694158153
5.247178752	5.00692971	4.886018672

4.57667921	5.255989312	4.992714529
6.000299509	5.064759839	4.304464203
4.355651969	4.887470572	4.165424214
4.672776177	4.391441159	4.522116366
4.262848552	4.525158249	4.834397758
5.689253192	5.004693541	6.657025679
5.025373272	4.166030233	4.8876834
4.715547665	4.31077923	4.939876536
5.558428064	4.689017772	4.660205391
5.573280205	6.164240477	4.396146186
5.601461194	4.787329479	5.289515694
4.89278193	5.126670402	4.793184292
4.48200472	4.912688968	4.789283634
4.19291301	4.736039704	5.386399083
4.232090606	4.646004785	4.434150396
5.249007	4.998979407	4.682928981
4.258748123	4.29956127	4.797946712
5.529577951	4.718342096	5.66828656
4.422787612	4.854301683	5.263035515
4.533013956	5.963545694	5.761955458
4.512753891	4.903169656	5.586788908
6.279774693	4.963542851	4.1914318
5.478088588	5.386784008	5.1393239
5.505892452	4.823717848	4.845663745
4.634339565	5.5001751	5.33173956
5.777351422	4.174200737	5.698220852
4.401732373	4.491274825	4.872480151
5.882958859	4.614226747	4.251867442
5.721568015	5.15174713	4.920871207
4.626817756	4.582142642	4.933543282
5.179939263	4.486981272	4.862114243
5.049168746	4.252313121	4.928811673
4.702256381	4.512531317	4.810652383
4.55413313	5.28068049	5.105698295
5.371271957	4.224001938	4.55284166
4.634939257	4.71969189	4.836178562
5.034735062	4.708832362	5.377429053
4.547813596	4.65359153	5.209547671
5.121615592	4.829713061	5.189010164
4.618888336	4.747854689	5.214007488
5.157115454	4.458394775	4.782460683
5.423216664	4.635069803	4.693982896
4.849836995	4.52718352	4.358066445
5.232078141	4.23083969	5.108063607
5.079291277	4.303610592	4.414845199
5.666973243	5.293876728	4.504549566

4.782621784	4.75905241	4.188276674
5.105646164	4.258524798	4.619162232
5.117077727	4.449209151	5.204866191
5.220731869	5.077188209	4.54768559
5.46419247	4.720881184	4.452936642
4.90124602	4.264792359	5.313948502
5.254731199	5.695200928	4.953119944
4.164206015	5.989377012	6.359413055
5.694281214	4.231137044	5.478797048
4.153526336	4.88596456	5.321469399
5.182158386	4.610099033	4.970162407
4.565326153	4.965747796	4.192885119
5.138198434	5.378975275	4.284272195
5.329881707	4.153728789	5.488204238
5.426348439	7.056512731	4.552437084
4.990244425	4.331748769	4.747196332
5.589763159	4.569308098	6.894112074
4.510896755	5.036877282	5.286114432
5.703711503	4.288539627	4.984930084
5.87550336	5.041729776	5.198890908
5.75848073	5.012966319	5.006342453
6.199285171	5.375955769	4.746096854
5.781635097	4.511367475	4.75210664
5.576748302	4.351895999	6.110810089
4.206368279	4.870108662	4.546406407
7.109915283	4.277180836	7.304694569
5.326082379	4.197907085	4.895522796
5.382578794	4.24091694	4.926033831
4.316701754	4.628482442	4.94770378
5.656962054	5.295191772	5.309479392
5.335049829	4.964146341	5.244965883
5.2045484	4.596397474	4.590243948
4.525914717	4.205070521	5.544932935
5.183345099	4.993354453	5.563976215
4.189203143	4.340214288	4.831170359
4.820895695	5.064707717	4.283995475
4.822668614	4.250606604	4.433428037
4.587997996	5.00115057	4.898509587
5.577308307	5.968539253	4.936579904
4.38821521	4.321145686	4.403377269
6.233938078	4.371338969	5.684848116
4.360927875	4.808903565	4.32938614
4.23828752	5.011716436	4.746838983
5.098216979	4.885879097	4.810935897
5.486210839	5.68498563	4.247486264
4.250520719	4.226986849	5.564287519

5.361040932	5.060313494	5.64689957
4.676744559	4.616860185	4.249085136
4.812250821	4.775672623	5.688746386
4.62977019	4.399885151	5.188572762
5.061653778	4.13676372	5.651805983
5.315425096	4.865992032	5.342781589
5.772407262	4.184696476	5.407726367
5.313624659	4.470653826	5.125394574
5.557426005	5.352920005	5.403680151
5.135723782	4.88490233	4.609089237
6.69788026	4.881564432	6.470391641
5.431006892	5.121405526	5.25832546
4.477714442	4.284133774	4.390330974
5.014309325	4.442694268	4.505801613
5.300047035	4.141177318	5.263421853
6.464349919	5.329317093	5.742958719
4.952137984	5.24118252	5.954059377
4.181682082	4.541229459	4.974550318
4.764203206	4.310220249	5.039363035
5.668717992	5.634601264	4.278483349
4.651926053	4.214166828	4.855969041
4.846199834	4.218314987	4.54241633
6.184656375	5.621586693	5.561342961
6.191931516	5.431168404	4.36207069
5.378825361	5.457023443	4.275532992
4.158934582	5.129358531	5.37789025
5.823583482	6.230277217	6.427952576
4.137769328	4.62047819	5.023555353
5.533042393	4.813225942	4.829309336
4.447799186	4.180729314	5.218680996
4.840453876	4.385692788	4.560681161
4.217513366	4.396065407	4.519561309
4.422963	4.596662718	4.188852103
4.739726423	4.467196454	4.920029099
6.182198192	4.144036891	7.628738289
4.730263546	4.199884402	4.945807183
6.263908909	4.222791307	5.233222943
4.370510559	4.14128059	4.644919714
6.41710034	4.694517127	5.423018851
4.616287712	5.318646881	6.166837347
4.366377483	4.178212737	4.463135103
4.439552615	5.434624899	5.187053648
5.201548391	4.774431937	4.924772518
6.223157897	4.111027593	4.327695347
5.231394529	4.764017734	5.493932344
5.485909433	5.02033184	5.304487269

4.180192242	4.154030458	4.816726899
5.07723206	4.840879117	4.331638479
6.332009627	4.993553744	4.313551398
5.419000888	4.877112626	4.182713332
5.294376676	4.130094069	4.846016611
7.008673429	7.022805433	6.933404577
4.535569425	4.603266979	4.142585692
4.763301104	5.78572305	5.13301834
4.28900423	5.097902747	5.737926472
4.767031568	4.386309657	5.114687854
4.799675082	5.251333738	5.293811589
4.561196591	4.411690546	4.185689465
4.855212909	4.244186568	4.461482984
4.797249281	4.427139462	4.442419261
4.68788716	4.606704816	4.885859419
4.733408566	4.2540936	4.189340834
4.921759587	4.223837221	4.300403456
4.283823597	5.27277244	5.697714696
4.174538241	6.341473196	6.010619019
5.437968803	5.494732874	5.920811107
4.684961914	4.912424594	4.480431528
4.37469754	4.52907495	5.132962518
4.957194899	4.22648546	5.382570573
4.576443309	5.369947742	4.97623351
5.01608402	4.591142232	4.368454163
4.95546127	4.762779405	5.321258757
4.518002844	4.849274267	4.67030395
4.458651282	4.493127679	6.284844797
4.663981774	4.427647742	4.937338259
6.247052781	6.707359351	4.185519502
5.877166704	5.371429401	5.233971074
5.59552515	5.298557836	5.040571672
5.036884751	4.13863308	4.847185671
4.554980143	4.463147824	4.276431999
5.687322893	4.352415356	5.276572032
6.010515511	5.170292698	5.750560653
5.620929888	4.991054623	4.546571364
5.34722872	6.530338107	4.35862914
5.193734931	4.259325368	5.045865526
5.185606562	4.71091859	4.708570969
5.561772991	4.5906347	5.229278138
4.820406032	4.115876251	5.038310144
5.749554757	5.099447502	4.853802413
5.187786012	5.068590955	5.314349207
5.44785682	4.866971131	4.594990924
5.613195091	4.656129247	5.048857157

4.271295335	5.016030052	5.570755686
4.913348923	4.157699465	5.281552
4.43586356	4.1656762	4.127700885
4.896107279	4.202662484	4.683544562
4.753198965	5.033936997	4.966230863
4.752683307	5.727197855	5.875407038
4.533205877	5.375133422	5.29199481
4.987722404	4.214891753	5.958656294
4.83495516	4.461549275	5.680174268
5.50324152	4.679341271	5.41468376
5.421043887	4.18317581	4.533858579
4.707268603	4.212118594	4.505418607
4.128194186	5.000716382	4.670261461
5.83526232	4.804011355	5.399125632
4.424611934	6.425425447	4.892017135
4.836586047	4.611388967	5.123105868
4.278491152	4.279987562	4.663407808
6.704436052	4.12229041	5.164245465
5.520091854	4.121194492	4.920786355
4.998120221	5.481686277	4.567314736
5.63675937	5.530039783	4.123765142
4.894938489	4.168467918	4.91562821
5.243574508	4.341057898	4.707217848
7.242752138	5.634719215	6.101104203
5.278730146	4.826154656	4.30377391
4.345067022	4.585691452	4.275098512
4.904067101	4.111328382	5.018402518
4.153253824	4.906844959	4.820403325
5.057709944	5.442044029	4.128878392
5.030029296	4.482706779	6.938552208
4.559137828	4.46027735	4.778776842
4.320490331	4.897229506	4.751490786
5.340300778	4.131014713	6.297892383
5.412236203	4.245472073	4.554946317
4.67401075	4.867525332	4.413334467
4.406488619	4.69622123	4.174290052
5.564518633	4.145748408	5.232963916
4.56569863	4.725208228	4.27160662
4.428158624	4.896195537	4.811398563
4.161585983	4.475988124	4.459020097
4.435665543	4.464388083	4.536139272
6.67889268	5.165485146	5.195221916
5.384360553	4.184790689	4.607544741
5.138001246	4.573785797	5.516513457
5.01849253	4.192857908	7.086541265
4.81744869	4.811277586	6.664415727

4.779593452	4.127608511	4.963658872
4.608584016	5.005279984	4.891574923
4.989113701	4.217696282	5.06854837
4.94631704	5.267935083	4.954270665
4.721102405	4.24093362	4.165935466
5.866902526	4.133605493	4.43396183
5.256779399	5.777856117	5.671806356
4.736537462	4.169977508	4.720739148
5.110226407	4.743642124	5.15577217
4.590657146	5.339452292	4.578352045
5.697182604	4.876298208	4.680662577
5.268976221	4.977492629	4.734921674
4.702841504	4.217207327	4.334841169
4.48359439	4.654853777	4.180535382
4.834284466	4.11269328	4.945426523
5.43765467	4.557942319	4.718637215
5.297478206	4.107153442	5.854756669
4.928976578	4.226742684	5.097021314
7.271581752	5.908458713	5.469835768
5.004446662	4.131562787	4.781810977
4.103962266	4.685285254	4.306122574
4.137056212	4.670753913	4.970508425
4.748740965	4.252470347	4.16360103
5.081644579	4.42140054	4.878448451
4.403758349	4.51238051	5.606448913
4.14975122	4.695430595	4.360964407
5.274072376	4.364460418	5.24630358
4.790033217	4.643905242	4.323938678
4.239942778	5.285024345	4.650446839
4.40865275	4.150070968	4.150817541
5.865883765	4.889890679	4.345181744
5.044538748	5.465044116	4.783979517
5.141675007	5.133266671	5.124620328
5.550373886	4.807666155	4.307485515
4.323305388	4.263622557	5.143745153
5.150543589	4.080190854	5.145500068
5.110873879	4.578555168	4.110553743
4.08794432	4.422673919	4.387606091
4.665925837	5.669723466	4.397212338
4.692492286	4.385913477	4.395979919
4.982568265	4.235493895	4.390575855
4.691451721	5.147433912	4.915380039
5.336426721	4.298374698	5.298886905
6.496864812	4.252459824	5.148161783
4.542036506	4.797653031	5.040088601
4.684690501	4.169040262	4.296257428

4.070120008	4.394519546	4.929493034
4.769491989	5.640744099	5.029541278
5.627447554	4.323949002	4.717959805
4.823005402	5.248693872	4.179752547
4.706741328	4.543139569	4.267365159
4.109052176	4.712224037	5.144303346
4.605216199	4.166476823	4.74894897
5.073687647	4.832859167	4.878371221
5.528876689	4.083582343	5.113851921
6.319039775	5.684492365	5.016111091
4.207587934	5.133139655	5.033222929
4.469717501	4.333030652	4.666156261
5.277591563	4.106186964	5.174139827
4.851267697	4.194116268	5.186821416
4.158297539	6.025790926	5.566341354
5.231835168	4.951119212	5.126949864
4.409483489	4.429561364	4.628794123
4.500115738	4.183770772	4.390993929
4.668079816	4.155827644	5.096574822
5.769273137	5.050462943	4.422914052
5.192621777	5.737621324	4.402487342
5.879573651	4.160703849	5.471237941
4.10741849	4.668142856	4.649927922
4.385317834	4.912455383	5.525788193
5.375449801	4.891407389	4.342337856
4.151359487	6.191068279	4.999159382
4.800975537	4.618334346	5.07204168
4.904272705	4.634985872	4.477940326
4.101396024	4.26836475	4.854813898
5.357147487	4.65708801	4.145181619
5.097248063	4.123193056	4.987934749
5.474130697	5.509570128	4.675504312
5.384361771	4.26589122	4.333199526
6.383265049	5.941360984	4.839176224
4.087592498	5.161561389	5.42284241
5.538229019	5.158489919	4.608977739
4.601516273	4.19861496	5.317692851
4.243120707	4.487508233	4.942551063
4.913816219	4.871023618	5.797391311
6.037963289	4.864886644	6.054042175
4.747063397	5.532146876	4.31726122
4.442030877	4.376000481	4.178379229
5.371066498	4.344806079	5.105228916
4.607473001	4.11394258	4.909632993
5.178569839	4.143982472	4.977635581
5.009674801	5.274671491	4.805128923

4.198215108	5.1121949	4.532486789
4.402829127	4.197827271	4.499825402
5.569181939	5.01276969	4.532284798
5.271039689	5.230744878	6.653740008
5.006299624	4.180659318	5.220738672
4.469738401	4.556802662	4.389403363
5.585860005	4.834643386	5.836429974
5.157270358	4.926797693	5.120878552
4.747443609	4.082241664	4.685650334
4.545450634	4.550081281	4.694208195
4.860947916	4.955525133	4.36626719
5.057219957	4.198456146	4.526480878
5.995615981	5.068079011	4.154771546
5.468563919	5.23605762	5.703798314
4.380229383	4.403453847	5.076067429
4.483120464	4.089652145	4.60822092
5.259352171	4.126589084	4.977531272
7.220671568	5.438121888	6.272460797
4.243639335	5.504881982	5.709156687
5.455906639	4.644157638	4.118863742
4.656868994	4.28922835	4.471404231
6.548869841	6.135610491	4.807732219
4.91960658	4.34488015	4.211736015
5.063043239	4.20290195	4.595749078
4.93977804	4.757771391	5.182664645
6.171824744	6.231732236	5.148836999
5.648409142	5.375024444	5.34323222
4.173509453	4.613638806	4.292648105
5.3246159	4.180718311	4.523852348
4.938551638	4.313140644	5.155649026
4.197268024	4.848999451	4.339975947
4.62823789	4.101074147	4.607235933
6.064873522	6.418259174	4.730866623
5.175002547	4.457020865	5.537576728
5.444394358	5.076633575	5.719169359
5.514002736	4.962386539	4.800770256
4.734270397	4.210250643	4.282388594
4.89759894	5.643617436	5.864123867
4.037256201	4.787933144	4.9969122
4.450581951	4.119075307	5.224111878
5.336710802	4.158320813	4.775362016
4.437548373	4.329731109	4.696302054
4.821118876	4.317600839	5.051030625
4.258643304	4.884469495	4.387665342
4.843643382	5.28630311	6.063033515
5.263235347	5.013668784	4.448820165

4.175704457	4.275073188	7.545633842
5.253722046	5.346924966	4.033191291
5.019336214	4.765443425	4.925125083
4.747470235	5.416028004	5.257376859
4.547621049	4.318169287	4.821033925
4.79439662	4.399497009	4.555923856
5.7476303	4.333073471	4.500683936
4.895516425	5.378791873	4.183536591
5.153507062	5.607978534	5.410452004
6.739966055	5.135477791	6.311063481
4.940141097	4.191679621	4.40470261
5.122356549	4.218935743	4.839202989
4.135061419	4.920467017	4.666590621
4.121779361	5.896101574	5.510701396
6.183025872	5.29457233	5.706182268
4.272732513	4.613388276	4.801776832
5.479064643	4.068468119	5.799632513
4.321446558	4.720039832	4.858504696
5.292705341	5.513534278	4.4674169
4.994468818	4.618106071	5.454544417
4.170838331	4.747811673	5.299234424
5.425474909	4.534650653	4.581606107
4.499945139	4.504010511	4.653160765
4.773156681	4.755609336	5.322564126
5.023021434	4.095916523	4.76618328
4.219410923	4.101660087	5.738165125
4.877149451	4.472248265	4.363857995
5.472668532	4.417726825	4.64635569
5.631717297	4.948977704	4.632871998
4.071666446	5.100493262	6.033315679
5.281248398	5.048006096	4.726448959
5.392469083	5.128976788	6.461872609
4.634040046	4.315115799	4.20559945
4.686641268	4.830116158	4.159932959
6.464747578	5.515129925	4.70743156
4.797746612	4.475210165	4.06037452
4.232662846	4.876596036	4.723772754
4.201090168	4.366688348	4.425718233
4.197608998	4.16755154	5.643779657
4.705678706	4.440409239	4.756158181
4.774640834	4.685770298	4.655375268
4.801098276	4.163958105	4.833992155
4.548335412	4.175611436	4.553874982
4.165094938	4.406446199	5.476363609
4.798991392	4.542340902	4.27150306
5.105043481	4.757707819	4.131273217

4.619842254	5.092930887	4.168155391
4.796167058	5.031794818	5.887168828
6.321538692	4.029372443	6.27789969
4.151837545	4.37942341	4.483787802
5.299845903	4.064037695	5.0529428
5.330216922	5.01693208	4.356566122
5.456309375	5.2376914	5.689399688
6.805971808	5.799001329	6.651714259
4.673417944	4.485491987	4.922107524
4.984278854	5.058584983	4.661543148
4.108890257	4.652125713	5.263617755
5.336412106	4.30750843	4.721486566
6.047323686	5.404780284	5.747964385
5.184207186	4.049011335	4.494387458
4.322396621	4.433196316	5.952716962
4.371636214	4.253938084	4.396048718
4.090990529	4.084691953	4.502068457
5.346796711	4.902454102	4.923655948
5.56753938	4.337572716	5.486147983
5.343488928	5.050927287	4.547634296
4.145890822	5.951979962	4.957488503
5.799174169	4.328404032	5.599179301
4.589402683	5.303389482	4.277624015
4.648041793	5.408294477	6.020533135
4.618921865	4.719739596	5.443007071
5.899897992	4.900220906	4.111215727
4.033402526	4.985758703	4.628840525
4.521680015	4.423652878	4.994611556
4.775851256	5.857049001	6.201392351
4.23970361	4.755313044	4.404544649
5.128863654	4.723162676	4.909044221
5.303172797	5.110179108	4.605982622
4.839389213	4.020339779	4.858992617
5.953032035	4.3255875	4.684506223
4.281863377	5.587137175	5.867772912
4.482401296	4.293385149	5.123552237
4.279651587	5.592128456	5.723785623
7.634015222	4.97551384	4.748246411
4.864430466	5.073798317	7.865490978
4.92390914	4.942184645	4.665484628
4.054135977	4.992333367	5.054156567
7.050531992	4.209962088	4.389252562
4.92114194	4.058257015	6.113632248
5.367633249	4.917111911	4.880953972
4.294851709	4.115874065	5.029244508
4.251024389	4.131264819	4.459660819

4.019981373	4.056153252	5.152985423
4.371543879	4.429785044	4.987913186
5.381064165	4.914702206	5.323555879
4.296236739	4.337096343	4.886830345
5.398589452	4.173513873	5.286017369
5.108381521	4.015888024	4.285884886
6.028624904	6.678946046	5.253181619
6.5741398	7.462086075	5.738258445
4.860858603	4.767898679	4.180730159
4.93903112	5.428636204	5.577367805
4.870700441	5.172239091	4.369195117
4.137213049	4.218571881	5.048721242
4.309923118	4.781224038	4.183119669
4.145918481	4.840313621	4.339245452
4.122174834	4.035681478	4.183271524
5.483889666	4.135704449	4.429874787
4.482931989	4.722848582	5.047183025
4.241807622	4.751996966	4.314977387
5.795530076	6.388868785	6.408703215
5.043571694	4.370179409	4.099842924
8.170449614	8.247631346	5.930120049
4.454718268	5.58575878	5.538631671
6.267339934	4.717879984	6.171424859
5.97291837	4.091444063	4.709262132
4.422370188	5.008781693	4.919735437
4.441164072	4.013545328	4.837756382
4.664556191	4.114598151	5.638140148
4.027318208	5.239368598	4.353099209
4.061282905	5.529743017	4.314536265
5.472647498	4.16973011	4.947254093
4.03799502	4.69508872	4.312909433
4.958290757	4.019640745	4.505283335
4.279241639	5.015417002	4.017888282
5.056013223	4.472417683	5.159914424
4.857170547	4.19468659	5.397238353
5.425525906	5.261235336	4.057932819
5.209142401	4.660343478	4.9118576
4.576839632	4.105697845	4.645213198
5.313436298	4.128794349	5.613474576
5.069481327	4.646495766	5.416406006
4.228851874	4.887344822	6.221630532
5.378430753	4.811338315	6.864277069
5.347265613	5.222790072	4.045422276
4.152591886	5.287460939	4.683552821
4.660652073	4.181856623	5.408876162
6.71819617	5.664053996	5.940861552

4.037486806	4.635322341	5.181792621
4.52801706	4.630027928	4.489792218
7.59601757	4.794687428	4.73474533
4.822693699	4.253222118	5.686310602
4.381979559	4.52539332	4.26017232
4.381708619	4.08969843	4.799729557
5.590227586	4.491935268	5.653731629
5.200236649	4.15830551	4.648031876
5.116432634	4.627694542	5.405716044
4.908447228	5.142794225	5.880288171
5.140798556	4.147481038	4.643208712
5.124009604	5.246831142	4.089059684
5.149074333	5.340704999	4.123462319
5.129766357	5.944336813	4.060165167
4.153574278	4.609391679	4.954945287
6.618303693	4.69927397	5.530103596
4.691014582	4.770082386	4.810863972
5.477893102	4.170053197	6.021408954
4.113648127	4.141559184	4.843139445
5.378708214	3.981359312	5.372073906
5.974840929	5.531151055	5.694889121
5.201381775	4.105291631	4.562704297
4.585645042	5.339573344	5.105371773
6.231465477	4.34478253	5.737316553
5.645620623	5.410722115	5.145814908
6.06957987	4.908656412	5.307563833
4.798511369	4.581572467	4.126913384
4.570561124	4.170730545	4.209957079
5.079000271	5.831467478	4.444319254
5.641980593	4.076263519	4.868586505
4.786534025	4.553517675	4.6454214
5.298517411	4.631276462	4.975178157
4.581298907	4.105630448	4.268745544
5.054299058	4.350852072	4.102933162
4.864269727	4.668735367	5.061867516
4.221274884	4.620949974	5.421628939
5.449354101	4.830899664	5.44266539
4.567447441	4.860812646	4.799084143
4.649583651	4.847908364	5.852262526
5.106163792	4.359709135	5.009497195
3.984308466	4.17905999	4.840474188
4.18566643	5.392740116	4.399864168
6.784687675	6.788176136	4.212092717
5.27954135	5.404601208	6.060074948
4.219119718	4.848909988	4.806425329
4.689394593	4.997979234	4.894247995

4.072166954	4.516910616	4.207116122
4.934559615	4.772480954	4.800813152
5.21317142	4.990965924	4.795999999
5.233232993	4.339261787	4.403972148
5.055624208	4.15383607	4.884810992
5.480524107	4.621207616	6.263379762
4.950895473	5.189914494	4.932944803
4.008278556	5.422550797	5.171239318
5.392982325	4.383241109	5.777401708
5.044534228	4.986917475	5.791579423
5.011099955	4.385113942	4.813894562
6.228670509	4.219626582	5.836004329
5.09202097	4.033611107	4.663246172
4.35873486	4.063099051	4.800728667
4.201267168	5.015698342	5.0256357
6.199742627	5.128709694	5.758963397
4.610490841	4.515200944	4.942981236
4.026913746	4.584431633	4.670857534
5.160163198	4.19669136	4.588546638
4.968286894	4.557404262	4.088467903
5.011680297	4.831496601	4.869114601
4.376941283	4.042425329	4.424151087
5.848570114	4.0618748	4.093911639
5.094440396	4.694512397	4.247714728
4.471999074	4.727464446	4.518191883
4.290188197	3.975886166	4.786807569
5.600227486	4.040879988	4.546182566
4.518424297	4.209237405	4.004986759
4.943662782	4.215219975	4.980396792
4.564996842	4.280017263	4.077022071
4.976188213	4.020042484	4.323737211
5.303090223	4.253514187	5.261561223
6.008520614	4.046910041	6.173715702
5.376432556	4.104001999	4.584576609
4.519217425	4.448651016	4.06087962
6.319295022	7.398189759	5.96595317
4.447713085	4.153436774	4.870814864
6.451264024	4.733679592	4.755685153
6.312181888	4.386486717	4.171638267
4.751899642	5.07025144	4.489601745
4.864338422	3.99659919	4.674033019
4.765029936	4.601594622	5.533206648
5.300001321	5.384495042	6.392452709
5.702869543	4.057517821	5.916683089
7.46764329	7.558134782	4.715431558
3.998137358	4.419104271	4.199192225

4.46607319	4.109381945	4.298498407
5.611862631	3.953320408	4.721733437
4.423962095	4.030997756	4.009293836
5.070863128	4.656555639	4.426773102
4.658160126	5.069156711	4.012588771
4.414114333	4.358993389	4.525007663
5.418484049	4.228542208	5.292493076
5.979953982	4.144766917	5.301217246
6.012353108	4.008277828	6.033325892
4.306503367	4.774697372	4.723139166
5.474582957	4.970920786	5.316877037
4.688465615	4.73043624	3.968072022
4.877623265	4.703454991	4.140150299
5.491962733	4.772404982	4.936466656
4.429705315	4.157062125	4.429026509
5.615797182	5.322107468	4.949930979
4.191676329	4.517124717	4.182770183
5.251630813	4.703995282	3.989161596
4.774253636	4.004728609	5.065606931
5.485241639	4.909566093	3.999840694
4.50205038	5.613955184	7.27311081
5.496962526	4.486399608	4.869900179
4.853355477	4.530452936	5.513538452
4.998608497	4.626027221	4.055093834
4.951943253	3.949480779	4.696509341
4.947138481	4.083243998	5.325361545
6.116396699	6.545366438	5.084913946
5.20215573	4.023785804	5.787784777
5.484080263	4.357779241	4.616466402
5.165974038	4.418255464	4.302910062
5.797840394	5.706521806	5.758576595
4.819079408	4.601873954	4.685031165
4.122725407	4.570348717	6.609980143
4.359331993	3.999214795	4.599553714
4.859229527	4.68060139	4.246687009
4.751875073	4.295160297	4.217787557
4.824542534	4.353389482	4.730269719
4.234022674	5.084036491	6.950092557
4.707624923	4.100090497	5.998620477
5.466955995	4.31927169	5.446539416
4.685496924	4.221839708	5.246080957
5.269741959	6.151727125	5.61895171
7.079741741	6.439845453	6.237534398
4.591264447	4.135022058	4.662370465
4.841873967	5.901479711	6.103888084
4.338736691	4.018215181	4.415021759

4.929591303	5.073663588	5.810813725
5.294496193	4.097813408	4.277618441
4.932314087	4.519443082	4.216217074
4.291340151	4.421296756	4.627782446
4.731159924	4.568859605	4.756956945
4.316366014	4.733222149	4.25615846
5.291953686	5.282110341	3.93294315
4.337251944	4.468734564	3.941006824
3.978471126	5.646891762	4.663916001
4.747717442	4.241641939	5.194856473
5.146376656	4.577783706	5.07056229
4.026888911	3.953461772	4.302533614
4.727217958	4.618280331	3.996548154
5.0636503	4.030580564	5.075204488
4.71656	5.424233774	4.130248157
5.900396265	4.771015889	5.197067045
6.083243964	4.317088765	5.187308855
4.24121923	4.564407741	3.932608899
5.046143329	4.643545231	5.46755355
4.619704351	4.516620942	4.590885555
4.986241126	5.034382298	5.07784808
5.001906314	4.311283465	4.753110162
5.866847991	5.010821493	6.396698998
5.60485235	4.058009882	4.710661081
4.078010856	4.181320649	4.794890387
5.352704556	6.048338528	6.353161266
5.001796288	4.705104354	4.230186976
5.196969587	4.093849593	4.877853918
6.038398962	6.366724385	4.629261427
5.069655164	5.902259477	7.034565937
5.181475207	5.000484777	4.035796037
4.611767801	4.034572647	4.22275971
4.281571373	4.450304035	4.720068066
5.073837064	5.358871335	4.087952904
4.941534305	4.794263307	4.525215815
5.050249594	4.033780305	5.823668279
7.056891176	4.844594169	4.408884392
5.411235543	4.637807752	4.77689861
5.871345445	5.367242039	4.172601348
4.396581911	3.924300193	4.046852166
6.062504031	4.528690098	4.800390618
5.366025281	5.780556416	5.396743002
4.847983523	3.952413986	5.659546662
4.640418435	4.196581208	4.530403991
3.924481677	4.457952195	4.584486856
5.240597845	4.583778427	4.119010623

4.962564191	5.141894538	4.809134991
3.949027259	4.574818884	4.116553514
5.565711262	4.337138835	3.944120806
5.083819943	4.735040648	4.096024863
5.231091877	3.949941623	5.631286378
4.467603903	4.103522459	4.246956891
4.909703277	4.032008756	5.10140671
4.709646203	4.846318219	5.190093578
4.292281198	4.629807575	5.761132512
4.645368449	5.395991696	3.987941394
5.713558502	4.156012118	4.736252285
4.402228132	4.080912235	4.167122742
4.057023406	7.921719724	7.986623877
5.261898479	4.01081389	5.513788018
5.019740643	4.494201712	7.029270134
6.201035072	6.641452813	6.007493012
5.013868818	4.387329694	5.023079505
4.239797152	4.477404709	4.240196494
4.268116834	4.099787951	4.00316755
4.691710771	4.39911798	4.747139114
5.350183249	4.01297592	4.224308644
4.220477594	4.48863663	4.855759424
6.963378754	6.340656558	4.153806212
5.54142494	4.1355351	4.275305426
4.166732784	4.191368225	4.473204603
4.379046788	4.631167017	4.168740286
6.871987143	7.293618413	5.871105834
4.927584165	4.013323632	4.113356669
4.305439041	6.940472321	7.876958951
4.130182498	4.027373668	4.115947139
4.73427827	4.099479859	4.778051392
4.163297601	4.043213013	4.219240341
4.532639245	4.318907095	5.04595631
4.639680886	4.083132581	3.973953768
4.715484775	3.977318725	5.699375538
5.24161942	4.894262315	4.497927278
4.414716101	4.017705668	4.465089153
5.625682679	4.426107829	5.438316591
4.9766384	3.97522201	5.187302989
5.310259843	4.050893405	4.719132082
5.191571487	4.442003672	4.441583159
4.19780814	4.041436508	4.004174106
5.25621101	5.058450117	4.673750129
5.402614783	5.043260581	5.077000444
6.641410871	4.711595683	6.177589224
4.45019845	4.372223248	4.006314098

5.255690933	4.687886728	5.060933644
6.022059834	4.919047398	5.688239408
4.241416271	3.969156444	4.679683447
4.614156347	4.817126927	4.238350925
4.49094872	3.992935028	4.755757564
4.119746725	5.317827606	4.83142491
3.912701332	4.06136466	4.227326541
5.319810666	4.167034616	4.78880385
4.517427797	3.972570133	4.133331675
4.305431436	4.888576787	5.051715883
4.070295141	3.93828258	4.587792377
5.365412097	4.608568054	4.800221914
3.954732213	5.532265777	6.265827632
4.034431937	4.467077101	4.37218699
5.459942577	4.628465817	4.635156764
4.103348091	4.526136943	4.504203207
5.090919096	4.681147647	5.412569233
5.418659328	4.325442208	4.713415401
4.921365663	4.116007692	4.8410985
5.179222869	4.28723714	4.702580343
5.575019863	5.698967598	5.08298847
5.025054014	4.635370411	4.510078193
4.925039223	3.896070949	4.813887678
3.955340423	6.812898262	5.165094199
5.017497019	4.384156775	3.963173991
3.956626026	3.973966951	5.65327439
7.001157973	5.39374755	3.99349884
6.444802683	3.883972638	5.137494307
6.150806829	5.310188554	3.940306993
4.357055572	4.46555797	4.177388492
4.94378063	3.928262998	4.197144311
4.656578684	3.961339928	4.607063669
5.791469109	4.790724651	3.971277334
4.582065085	5.171544567	4.563481549
3.925464876	6.648862488	7.175814001
4.543358369	4.073833947	4.116308379
4.08881862	4.464168543	4.518696065
5.421411299	4.574348564	6.016030854
5.738346288	5.546499494	5.074679336
5.092161844	5.008686656	4.172252369
5.496043995	4.675953177	4.972095951
4.437565528	4.229183008	4.723342454
4.520899322	3.969797577	5.128434612
6.906381646	5.284803228	5.755963364
5.616855522	4.717262254	4.920853837
3.974594312	4.726272971	4.419970461

4.197683491	4.72187823	5.307703421
6.291542139	5.263846183	5.239791812
4.607724532	5.025324025	5.329157386
4.913652486	4.105460773	4.674161068
4.067824496	4.067709003	4.913755782
5.282635421	5.798558491	4.001717272
5.524321449	5.163594744	5.997010166
4.756794933	4.01185902	4.43669563
4.488042621	3.93797833	4.425398709
4.945115757	5.212283646	4.759085818
4.752523432	5.868202907	5.348940549
4.210450391	4.815241277	4.054510501
4.702427073	3.929676309	5.966044539
5.139419558	5.272821435	5.091001478
4.671073848	4.3361651	4.565578733
4.992219954	4.052074621	4.504943469
4.372631055	4.185151824	4.096383194
3.968611957	4.460336414	4.134722894
4.864113703	4.964239864	3.998469635
4.049049616	4.406993723	4.231062885
4.770527214	4.296832097	4.173397006
4.395846193	4.065973201	4.795367327
4.70154367	4.394149286	4.546950272
5.72494052	4.299555717	4.111479928
5.606648072	3.97351252	5.087457361
4.65914401	4.331593959	4.480019451
4.766234176	5.068108753	4.917166341
4.14056685	4.135184569	3.992727326
4.681494104	4.284953662	3.966915644
3.939774414	4.461805754	5.131146488
4.544738994	3.96866831	4.893004981
5.950136486	3.870632103	5.271124228
5.723813704	5.273646801	5.326740471
5.416209426	5.674000904	5.767024314
4.71842083	4.764019246	4.033393985
6.006019854	5.345260173	4.234980903
4.831573572	4.000445956	4.397035912
5.210644482	4.389894481	5.73230802
7.072043266	6.895183342	6.661861872
4.382814791	4.087963334	4.567060578
5.014765355	7.332003605	6.828936628
5.635175747	5.022813805	4.434021597
4.1031355	4.467317663	4.902070579
4.738503778	4.340453549	4.706316724
5.543804341	4.013236963	4.940298724
6.682394608	4.000202173	5.673187133

4.89928902	3.944020703	4.122454898
5.36839871	5.545212656	5.40807678
5.638117818	5.068143394	5.857626263
4.235460124	4.030529215	4.602510148
4.894697412	4.639499521	4.452215511
4.884285423	4.137185581	4.055858398
4.373532983	5.159172295	6.877162306
4.099347325	4.0233016	4.941197626
4.795137472	4.481150012	5.062256044
5.40157748	5.670042147	4.741188048
4.390337654	4.768922138	3.977247454
4.405022666	4.429285243	4.785349613
4.778707385	3.894559935	4.551410568
3.905411574	4.549221506	4.880843041
5.400035031	4.128785133	4.840392651
3.946006605	5.089485878	4.645631601
7.053608918	4.794582716	4.944201913
3.937704607	4.740881651	4.995348671
5.360680011	4.10585402	4.685016775
5.65288539	5.143325556	3.87547844
4.372417787	5.087080004	4.702958439
7.118435212	5.502813279	6.651742652
4.168224684	4.943645806	4.834983508
3.958747411	3.846142941	4.091476379
5.329082299	4.004971109	4.504020903
3.907921478	3.885265843	4.398696361
4.521838938	3.929538293	4.837939976
5.422536509	4.100656422	3.939578235
5.434377251	4.372633169	5.291152654
5.531509876	5.10500004	6.276706782
5.359730343	4.913601466	5.25168052
4.560967029	4.482473714	4.478977228
4.890074179	4.015904843	4.24741499
4.00717501	4.140402132	4.521713159
5.166123476	4.677455453	3.926344931
5.367607719	4.495612469	4.226699184
4.397509631	4.53928462	4.598846754
4.312837293	4.523844054	3.863822185
7.165729212	5.505171322	3.855894381
3.950274979	3.90288637	4.628827852
3.96584212	3.894982829	4.951042921
4.915755503	4.800408208	4.264650264
4.725033544	4.316730245	4.311235819
6.576666198	4.767500106	4.993197188
4.861542406	5.186764407	4.981775613
4.666786011	3.892567167	4.636089134

4.349414542	3.955758952	4.464703508
6.45711115	4.787759221	4.211576806
3.933423626	4.33757953	4.608456021
5.006020345	3.934171095	4.091314075
4.897336855	4.417564729	5.202710023
5.232320689	4.064893229	4.608822405
3.949891088	3.846400215	4.063794737
3.925317891	5.163056437	5.700112515
4.72358875	4.16069921	5.092411499
4.462025182	4.384232482	4.395107594
4.099331799	4.407488775	3.98428026
3.886599488	4.363468347	4.057065232
5.022024587	4.419999051	5.844437405
5.394060884	3.860459941	5.180573492
4.865782816	3.997944879	4.900329693
4.512158178	5.331800651	4.767528815
3.849693524	4.172762448	4.594572903
5.445715251	4.567877859	5.287332541
5.81488101	5.198798457	5.073812801
5.066997002	3.871031249	4.694067443
5.331063417	4.317020803	5.124395391
4.491894279	4.670070345	4.56870396
4.89126087	5.157790267	5.069171728
4.843077572	4.372672775	4.667435903
4.478368715	4.192503169	4.194519001
5.070468156	3.888791025	4.75260698
3.843389051	4.16875577	4.441261447
5.447382466	4.838833035	4.236393106
4.818904844	4.076212253	5.632129526
3.868278974	4.017947476	4.334802467
4.705966783	5.290449594	4.193055959
4.164724933	4.423619347	4.010186642
4.453457234	3.896759988	4.30016943
5.132767412	5.104170473	3.837721098
4.224058045	4.504236544	5.641835438
5.266729005	3.866470722	6.092727248
3.900970897	4.114274305	4.45480334
5.852843713	4.179483408	4.883510734
4.942175112	4.951484559	5.266215499
5.376104293	4.047183391	4.419989132
4.725557598	5.846470084	4.448533086
3.870286483	4.166516665	4.993408838
4.025410969	3.852313513	4.394521565
4.925902472	4.343673856	5.089403269
6.428480498	5.568967656	3.875256664
5.184269529	3.978116128	6.399592523

6.036806216	4.097568286	3.883768801
5.044192438	4.157119096	4.569177617
4.413813598	4.862619098	5.231718468
4.320104283	4.33390786	4.464298016
4.112748067	4.127912653	4.525577402
4.690712798	4.632551314	4.255803949
4.422673146	4.140105781	4.096990304
4.299550174	4.452103593	4.275019658
4.839343117	4.624482093	3.90189274
4.632842186	4.061987444	4.644999715
4.609987083	4.203266677	4.575160736
4.526611123	6.43016138	6.72421338
5.429131833	3.87143854	4.552790184
4.453816241	4.116098511	4.622269257
4.571860837	4.584311398	4.514959384
4.448292683	4.079002557	3.932426893
5.962423966	5.207325159	5.445456804
5.196207902	3.847512635	5.178228808
4.222508657	3.977225145	4.340619006
4.766670832	6.79595125	6.739569961
5.089235339	3.962563742	4.44438549
5.916408903	4.16227149	3.907981593
4.926831174	4.05266344	5.011008968
6.197903116	5.490702479	5.644301725
4.302617971	5.046134219	4.954994234
4.152826046	3.839364963	4.638988717
4.764105188	4.605568945	4.570832487
4.971704468	6.613648624	5.657765248
5.084746068	4.366932872	5.998306173
4.5334859	5.698503731	5.412858802
5.373425874	4.576035793	3.936868023
4.82954508	4.703783128	3.885522201
5.181118607	4.631851399	4.874898073
6.047880991	4.522115194	4.393085023
5.348543894	5.577512532	5.403888723
4.698821936	4.174653566	3.934572765
6.046371946	4.242472341	6.009183884
5.284590583	3.961889601	6.232524284
4.985356505	4.590162707	4.529226247
4.456108835	4.662103965	5.295502271
5.964863614	4.561934255	5.153230696
5.029960816	5.228546686	5.127023742
3.943618821	5.522787386	6.704913446
4.741890728	4.602408761	3.998297225
6.168462695	4.892161647	4.79388308
5.087817362	3.942383859	4.698250529

4.262624982	4.854381362	6.247412279
4.640436857	3.960415069	4.79645591
5.767064485	4.128691183	4.455478925
4.070769074	4.189594128	4.515029206
4.163210427	4.739704049	4.100714608
5.564768105	6.846762631	6.271272926
5.166932321	4.080628359	3.847624241
5.216538436	3.882600882	4.345104949
4.317615986	4.139243417	4.557917564
5.29835674	4.133460298	4.188460566
3.882221449	4.75526292	4.083178847
4.120000178	4.221250328	4.084755341
4.731572146	4.618815645	5.092658115
4.681086879	4.575208112	4.336624864
5.496925357	4.155238349	4.243526022
4.068619292	3.990777426	5.962539293
5.144674922	4.164459409	4.407174395
5.605859273	7.356565688	6.627758353
5.280192322	4.765537372	4.43760722
5.361358887	3.840242328	5.636732035
4.873029408	4.453537065	4.510538314
5.095126325	3.847111118	3.967855892
5.157885271	3.877150365	4.269184818
3.865582398	4.619547288	4.434971011
5.317153603	4.384617805	4.000159247
6.022758181	4.823114184	5.411762453
3.857554829	4.137902577	4.42332883
5.095569986	4.593622618	4.66182001
4.944592613	4.807478866	4.442156537
5.28314159	4.423765667	4.955558754
4.245135665	5.319573756	4.98277207
4.371888069	4.355199764	4.469434096
5.293141453	3.928698316	5.415182492
5.414505905	5.410149381	5.39172831
5.709813955	3.917522408	4.429204003
4.701664747	3.915687995	5.780954332
3.975864251	4.094305199	4.431490837
4.755253085	4.132652716	5.164704431
5.509729701	3.861218789	4.7800767
4.75871504	3.996749921	4.627375756
4.68471077	5.517911594	3.948644993
4.399436613	3.917038945	4.14166883
5.026464346	3.96329523	4.855470429
4.062256974	4.564313587	4.720491925
4.850140122	5.047477343	4.144296741
4.759538318	4.499408102	4.024965348

4.054852902	4.260663196	4.232544364
5.14883789	5.276188514	4.519875271
4.670125358	4.856825231	4.104521219
4.881892674	4.465262134	4.785140884
4.911862373	3.810771942	5.308710856
4.844760251	4.950198871	3.820999794
4.066891682	4.728680043	4.10485179
4.77260198	5.431557419	4.147517812
4.235678689	3.884110211	4.618575072
4.515165873	3.809538509	4.679819192
4.054625034	3.906629992	6.290640591
5.479334889	6.063835824	6.934385618
5.264983721	5.067366147	5.07811485
5.082187	4.461438248	4.537293243
5.252150063	5.540194233	5.489627926
3.942536805	4.943689183	4.95037131
5.254630899	4.355241398	3.965256978
5.015478247	4.572715544	4.980893942
4.59440404	4.331309738	4.64631766
4.112787254	4.785988545	3.788626798
4.474875038	3.885950823	4.290990529
3.935512105	4.234535126	4.772208668
4.534454669	4.547607852	4.167344681
4.416989348	4.226109856	4.317325372
4.916175731	4.503751914	4.390572749
5.231898378	4.836075379	4.015141649
4.668450057	4.365591726	4.680104009
5.399784791	5.394478498	4.942829649
4.23656399	4.149719545	4.34986467
4.393273231	3.912010695	4.730388223
5.414454246	4.274265592	5.205099898
4.383077703	3.830031079	4.526561136
5.160197903	4.631408974	4.603863196
5.945900783	5.170203511	5.778172715
4.262282974	3.960355401	4.651359142
5.476372402	4.161038368	5.136768538
5.4285358	4.726036808	5.611896029
4.523601908	4.112504609	4.766641222
4.997584351	4.00116625	5.536689501
3.88359509	4.245106646	4.381607627
4.618105393	3.934886828	4.046441945
3.854852015	4.524272392	4.737242222
3.799182692	4.029438159	4.752701434
4.363177739	4.394190432	4.627542566
4.660771989	3.946960445	4.439837657
4.563104843	4.123455068	4.322532779

4.485821348	4.47109582	4.568230743
7.199945508	7.084941897	6.158754999
6.022045728	3.890938369	4.867066964
3.856141964	4.199484005	4.630905598
7.066008413	3.859571184	4.594904568
5.928388974	3.798849928	5.219299846
4.158016328	4.886800648	4.98508426
4.598149913	4.77565617	5.380141576
5.253360948	4.665907585	4.378139692
4.410853043	3.85974933	3.952372909
5.128425086	4.993218744	5.424422506
4.553896843	4.631039035	4.856422063
6.35002419	3.969595003	5.31528296
4.099802851	4.6217307	4.965669106
5.796297347	4.649015471	4.008704266
4.330445162	4.266324033	4.707630511
5.168705393	3.818996348	5.44461256
4.226368075	4.158192269	4.059552877
3.865994373	6.612898673	6.64157434
5.20524641	3.806171945	6.989974327
6.327181098	3.805354224	5.326254629
5.211011675	3.81844955	5.594871594
5.32887243	5.829323625	5.025687674
5.902983314	3.868114247	5.028525431
3.916931659	4.315080079	4.151364766
4.718565335	4.212541431	4.182863834
4.680087909	3.994844442	5.633316237
4.777442727	5.279240465	4.610607071
4.620237841	4.496008102	4.13961217
4.269960147	3.800119588	4.143847978
5.385669717	4.446754213	5.119754315
5.174608803	3.891731926	5.028664495
4.096735882	4.941781384	4.559389978
4.101956729	4.474869873	5.727023634
4.446368746	3.893883256	5.131661957
4.178978519	3.832487241	3.937735821
5.557314932	3.91287414	6.341950293
5.587477354	4.297300407	4.812971214
7.460437596	5.466458595	5.11974988
4.436248373	3.811528466	4.370270202
4.397847343	4.043652885	4.502887435
4.27200256	4.062980657	3.84955433
6.37572405	4.88303402	5.817044204
4.924564414	4.183683351	4.858706952
3.839584754	4.861551708	4.699509067
4.7852112	5.32173209	3.823781933

5.17275232	4.089193536	4.328034765
4.447228308	4.436504138	5.069655106
4.548218984	4.715165247	4.26667344
4.01067094	4.63577014	4.754429035
4.356584922	4.210897823	3.978895713
5.168898161	4.88876289	5.973442926
4.249047264	3.902623807	4.369667625
5.983349592	5.377529288	4.268583228
5.795524274	3.916726965	7.556913254
4.948197913	4.169135073	4.82342879
3.894140008	3.888711685	5.090199743
5.215696513	4.028296567	4.081623969
6.506404529	3.798595369	4.825613279
5.105743808	4.813564432	5.740946872
5.783925932	3.804897905	5.663498584
5.214142414	5.013261587	5.425747022
3.99669829	5.496273577	4.641642127
5.813554834	5.442635341	6.155618352
5.084489001	4.164387756	3.852716735
4.781342288	5.14435499	4.643332978
5.211872041	4.808230845	4.181332532
5.242999122	4.449997448	4.757473038
6.158027781	4.312734518	6.536530127
4.128278965	4.493458099	4.963967619
4.834221589	4.27426263	5.464755374
5.282144885	5.060196508	3.919548727
3.820902133	4.159792465	4.079041241
4.704093871	3.999974388	4.14752037
3.872791063	4.340542906	4.154848854
5.522681409	4.865053965	5.175288111
5.059332135	6.127543613	6.210949582
3.99149445	4.833152436	5.136813963
3.738020441	5.610135352	6.615299396
4.399985495	3.825545349	5.070622509
4.30987986	4.266146462	4.562342557
4.522784038	4.343305919	4.231212482
3.916459329	4.431214824	3.934932375
4.810924799	4.422193919	4.501172887
3.958352714	5.306421883	4.473907365
5.110496017	3.855727922	5.143772579
3.776208215	4.179973751	4.652961411
3.916801883	4.61305011	4.017585166
6.005292904	3.923095311	4.085357407
5.824806772	5.465394459	4.004053793
4.332359947	3.76026269	3.896213521
6.858129087	4.533042102	4.333251104

5.466788698	4.470522225	4.107644987
6.283775322	5.101792969	4.940674858
4.521609628	4.541850246	4.355050054
3.904703569	3.892650254	4.438115439
4.69334391	3.928113356	5.015554047
6.6921705	6.028970365	6.86276964
5.105704123	3.93653194	4.242455343
5.249797382	4.911991769	5.057285559
4.41544523	3.772989036	4.607661907
6.10158662	3.753658784	5.804477513
3.919761473	4.586072818	3.881136585
4.799099934	3.884415173	4.033958283
4.746506009	3.796373894	4.012702855
4.760954105	4.262389176	4.238762981
3.771563672	4.497850876	4.270464718
7.247163203	6.001930429	6.434583835
4.259361709	4.326754921	8.888379499
4.325956805	4.31871774	4.604981663
4.268506668	3.732208567	4.218197403
5.087891648	4.421089074	4.853697283
4.530816785	4.421648492	4.587728238
4.234002186	3.879086594	4.277630938
4.987276866	4.716782233	3.81836794
4.635082974	4.271448206	3.77893476
4.356610099	4.148226153	4.84574692
4.519425727	3.839591394	3.975660996
5.257961555	5.14803591	4.646265308
4.863733787	4.96043862	5.023684695
5.225931516	5.854006809	5.687126728
3.842068057	4.314303295	4.6899664
7.851503987	4.04667734	5.228961136
4.985165627	5.775912141	5.444181904
4.222181006	4.951129326	4.870209722
4.560436743	4.72699938	4.01628537
4.755436377	6.104304422	3.90178897
4.239129826	3.981788865	4.421574917
4.479870405	4.198320717	4.344628882
6.487471939	5.350037107	4.871495437
4.552596652	4.441698786	5.763325057
3.926077922	4.514767119	4.462722776
4.80752043	3.810619746	4.320543732
5.706566227	3.748597901	4.829615818
5.909534962	4.866795223	5.150779852
4.510031135	5.08788987	4.878634939
5.002445144	4.700769665	4.206572101
4.402889983	4.092591686	3.81141465

4.328938724	3.893088741	4.459516036
4.233757109	3.770159714	4.453933875
5.042183025	4.359411583	4.522292583
4.839684891	3.856680329	5.551088528
5.684095636	7.06863029	6.508012656
4.941208439	3.882271105	5.345340948
4.863081253	4.115167172	5.209255138
4.653538887	4.057746645	4.399076626
5.476638703	4.046092864	4.707131358
3.856228153	4.518953009	5.735718456
4.959981749	3.822003332	5.164440373
4.351642585	4.089558769	3.866614
5.613044984	3.987667934	5.17010842
4.168524089	4.726648128	4.015510643
5.303823807	3.972032592	4.608794279
4.896193707	3.830315124	4.978361384
4.274936171	4.461551585	4.078337817
4.484852161	4.251160883	3.920477146
4.420052109	3.857800899	4.859679584
3.723230413	5.695013522	5.080623075
5.294804215	5.575535575	4.791367917
4.847629363	4.393229871	3.875658822
4.160914757	4.253917062	4.64998589
5.221966599	4.679416086	4.44029553
5.324044736	4.761966293	4.74017988
4.225866524	4.270506206	5.059081743
3.933080676	3.930078887	5.395841511
4.589298743	5.135589256	3.759107604
4.769583127	4.09894176	3.773130165
5.239282697	3.722971362	4.281078408
3.881821539	4.341424216	3.925255188
4.025601401	4.009653739	5.078958047
4.3624001	4.310960766	4.340009007
4.935623456	3.823544692	4.443577116
5.134970744	3.927348044	4.911510898
3.780720462	3.736788436	3.796239854
4.631927982	4.880771401	5.482222135
3.758549388	4.184786854	4.620395951
5.345100147	4.20595593	4.017833856
5.493432663	4.799895589	5.318294366
4.839563142	4.816667967	5.444545642
4.590631454	4.070004559	4.66151672
5.318005233	6.919931351	6.263602738
4.259057057	4.060433709	3.768126241
4.04025359	4.687757312	5.839256554
4.043329521	4.334374803	4.840580033

4.651971015	4.273578149	4.312333916
4.526255618	4.533364601	3.803062857
6.30453209	5.271282891	6.248367232
4.870370072	3.733703498	4.214408732
4.031778977	3.768864346	4.140934804
3.81643114	8.166520374	8.087800733
5.30616039	5.018611431	4.86798755
4.725704208	4.076660216	5.00668624
4.19535784	3.764857448	5.212374647
4.959182243	4.272145425	4.068905238
5.299130923	3.800887115	5.075436606
7.360222304	4.380611474	5.671343619
4.624213586	3.746903605	4.863601383
4.016576144	4.046271941	4.592688405
4.670204609	4.450908929	3.76728292
4.786505937	4.44327797	4.747851793
4.159155603	4.591039662	4.571033798
4.601999645	3.851300663	4.033572155
3.753082079	3.948028806	3.805674162
4.211658682	4.342437349	3.692769398
5.686715981	3.698699777	5.222811194
4.428815575	3.89297975	4.930175255
6.031663093	4.356824436	5.008529005
5.2529368	5.081885149	4.269095934
4.89702349	3.749380494	4.702690226
4.908566462	4.35438159	5.12549815
4.435547098	4.499567898	4.137025371
4.734617454	3.756424167	5.831981962
5.014029769	3.767408726	5.317803856
4.272553917	4.014378157	4.707427498
4.912645759	3.790061308	4.520128928
4.16506614	4.002339182	3.860899585
4.951446787	4.767936486	3.864282013
4.232526087	4.916030532	4.331427344
5.973331521	3.702036452	4.728506392
4.194156121	3.97677361	5.061605461
4.967684811	4.017622522	4.994389685
5.211209203	4.353465361	3.691570306
4.425620024	4.187535439	4.325892405
3.865601417	3.855176261	3.902940437
4.303028365	5.125346024	5.043709691
4.565659625	4.735191246	4.944444103
4.022907873	5.472883131	4.731634182
3.74806981	3.744835441	4.27909003
5.209284846	4.483836346	3.952198368
4.708388032	4.007617407	5.411400361

4.451874536	4.131929865	4.158942946
4.77910556	4.184123678	4.58126121
5.801796124	4.676768172	4.521457537
4.626376571	4.535153994	4.276029553
4.843211014	4.090691463	4.492097479
4.429086613	3.894527403	3.855066862
4.10824136	3.820683305	4.179205124
4.368024727	4.040432905	4.124141681
4.333733987	3.718103016	4.080658209
5.57898268	4.289761947	3.995593437
4.259206519	4.047776705	4.46862696
5.564822805	5.100901368	5.908924116
4.702487201	3.856757927	4.458450668
5.592515499	5.759514092	6.509810727
4.120747358	3.90373291	4.568458079
4.477642946	3.695751372	4.949548766
5.411016283	4.603539797	5.180335706
4.642749935	3.775225102	3.917854571
4.980932876	3.810744138	4.886487959
4.003064961	3.784900685	5.104144072
4.599732512	3.748677443	4.517211096
3.873204599	3.896981673	3.89085597
5.376822924	4.884409227	3.83923426
3.952339314	3.811539287	3.909576755
5.485578309	5.165816194	4.474079252
4.81753258	3.811023932	5.248330882
4.68199778	4.353837658	4.251699027
4.694615772	4.53786974	3.849822704
4.60636141	7.149612027	7.150531907
5.382793451	5.034330917	4.377896977
4.29782375	3.97543935	4.88998523
4.877099871	3.794201218	4.512042403
6.608469568	5.179948538	5.330156625
5.125659513	5.196469396	5.175582458
4.099501358	4.312504163	4.051036679
3.915156274	4.924062983	4.330814599
3.980921169	3.780908989	3.988655888
4.649740763	3.678120999	4.671265809
4.242853507	4.946251036	3.74693517
5.90590372	5.800121292	5.633885246
5.885374697	5.291361735	5.623232144
3.730395782	5.146546474	4.799710607
4.805156131	4.889788903	5.657058731
3.786950449	3.670542966	5.594180138
4.19857217	3.745008899	3.760453053
4.843517892	3.779951365	4.683551159

4.53951102	4.125501698	4.566453696
6.811960176	5.083303889	6.16837502
4.912397855	4.257902154	5.22935558
5.411195058	5.771070742	5.597666639
4.807325917	3.795638126	4.108408048
4.133902986	3.971552026	3.849682253
4.62326885	5.343647754	5.427264067
5.670384457	5.113539215	5.494979507
4.784265772	4.665524079	4.698053778
4.314564854	5.623209194	4.4502473
5.700903037	4.785118597	5.783948627
4.30559693	3.720969168	3.950851787
5.308879337	5.719319303	7.214229892
4.345841394	4.93335299	4.698366631
4.259129168	5.922187728	5.467081144
4.867326477	3.695479251	4.490903452
5.084840467	5.172309497	5.126187106
5.121704068	4.258293835	4.893032303
4.353328979	4.088404002	4.006964446
4.710173416	3.877693157	4.518364663
5.11997954	4.906372713	4.107220728
4.616914089	3.816649125	4.018286421
5.735223139	4.254009583	4.740829627
4.389111056	4.568307408	4.3665914
4.969878589	4.013598155	4.212825564
4.723183673	3.662830698	4.599626714
4.353348068	4.621028123	3.859647035
7.135076773	3.686069647	5.15602116
4.989454716	4.11369887	3.877828931
4.109222901	4.113403199	4.824992544
4.42630825	3.91757596	3.805971142
4.826318961	4.418482608	4.959973554
4.503644704	4.336202557	4.083528491
3.818526234	3.750398105	3.759362027
5.552061758	3.645093552	4.975775572
4.348391812	4.578505899	3.861560735
4.347885382	6.359006603	6.234935808
5.530964989	3.685938543	5.573630862
3.706055378	4.269365775	3.798362649
5.323879816	5.350050339	4.863514403
4.86653744	3.785358549	4.526727928
4.841122995	4.352136478	3.860432267
4.983984558	3.976926315	3.820836655
6.04463984	3.77554178	5.428961216
5.413978606	5.299086346	4.593769229
5.002455717	3.672759108	4.182648501

5.35842151	5.252838653	5.756824991
6.050785273	5.659333128	3.808247821
4.586401811	4.425448619	4.336987514
4.898139908	3.746257594	4.222824901
3.669512642	4.914353379	4.274351682
6.058160033	4.307711153	3.749233118
4.453399626	3.740106214	4.300960758
5.304516496	4.138288573	4.025496952
4.179890066	4.928438794	4.360515822
4.748661892	3.705615151	4.270545695
4.833675743	4.451954014	4.976167535
4.526265003	3.693469038	4.292042713
3.975057154	3.721675007	4.422831264
5.43123377	3.708782456	4.814636093
4.540732596	3.84939195	3.934305052
5.053967575	4.84233269	5.6150016
4.568901872	4.605207331	4.527106388
5.629191255	4.281179517	6.076409249
4.588692608	4.306129875	4.25629834
5.201502291	3.793862037	4.223349649
6.716385427	4.821439795	6.202739728
7.127443381	3.720286399	4.428076593
3.963930701	3.870578163	4.5402861
3.725022316	6.013147072	4.075584178
4.549486328	4.927950073	5.293125413
3.771005137	4.575619168	4.509470387
4.291751859	3.698695154	4.576951004
4.537719788	3.902056657	4.627371863
5.058156091	4.261710686	4.873925864
5.04692693	3.997063541	3.715337891
4.344362704	4.025724416	3.727019234
3.836238292	6.116245293	8.46637117
5.248253118	5.300859573	6.175290567
4.029300672	3.755042011	5.47931863
3.959541333	4.285575961	3.965601541
4.737865478	3.941870265	4.552108978
5.535939315	4.10180652	4.02564312
4.732182129	4.799785775	4.775800713
4.814476541	5.06820143	4.780765327
4.442424686	4.137662973	4.922913716
5.104465536	4.131715959	5.331996772
4.280970022	3.752532294	4.405055282
4.069069709	4.885268507	4.38235738
6.043436659	4.766998631	6.23203616
3.645395944	5.381400791	6.203359222
4.580936042	4.289366652	4.352488818

4.72780622	5.010465342	4.089976635
3.744344783	4.072580294	4.216069645
5.230463974	3.994707583	4.871704358
4.804128842	4.300237735	5.088654173
5.440937325	4.735855025	4.807308746
4.254945993	4.695367754	5.415969648
5.47866438	3.838729604	5.425678734
5.596122919	3.647166572	7.661861311
5.127261754	3.81788294	4.958391507
4.869772282	3.713430207	4.617439205
5.148765583	4.919545072	4.563676458
5.048061488	4.79162387	4.808409
4.299403509	4.273337915	4.056092913
5.160119971	4.292253829	3.91496397
5.166723377	4.946965643	4.54730147
4.205522151	3.627628453	5.058325302
3.676320123	4.063268177	4.044621359
4.067926635	3.853721873	4.709746839
4.186313599	3.759975099	5.106927414
4.191481055	3.985837567	4.18392931
5.649220666	4.076128421	5.606966442
5.135484035	4.749637754	5.155524853
4.349159811	3.83424413	3.918474454
4.010205854	4.572050776	4.464285796
3.988483313	4.276831602	5.31559704
3.803083793	3.893681268	4.007560229
4.222785297	4.870912552	4.443342535
4.49988836	4.229725617	3.618987217
3.672718803	5.418907666	4.798451653
5.350022074	4.198531996	3.921151652
3.891940044	3.675283504	3.86652184
4.272902171	4.012791119	5.283824802
4.161228321	3.735740385	5.975118684
4.574591436	4.64931516	4.282969946
5.093617619	4.371095937	4.852394993
5.071126509	3.629350706	4.678749327
4.442387385	3.713923255	3.871726665
4.109939115	3.646440856	5.036627783
4.644734544	3.753343318	4.381805354
4.748085083	4.429185908	4.636578458
3.791759227	4.908034751	6.625941945
3.776562489	4.00324176	5.753922749
5.85190409	4.265968899	3.720407283
5.382679302	3.646446517	6.737632394
4.381253711	3.770720816	3.98985042
5.511037487	4.190502088	4.951090529

4.476640629	4.123682905	3.810151101
4.371285984	4.584284427	4.097268584
4.319037174	4.181143564	3.723277682
4.25823476	4.240940332	4.180250684
5.396805779	4.524663648	4.459527737
5.673244732	5.907324265	6.383183045
5.070574	4.285823985	5.09227794
4.362600748	4.446119109	4.601183192
5.076356986	4.551757666	6.325174275
4.376593845	4.333079249	4.32425992
5.044958827	4.625455257	3.722727403
3.644461859	4.71175804	5.632619347
5.622380457	3.66485324	5.121758715
4.144731098	4.829852726	3.613068251
5.468405144	4.763829758	4.977972273
3.648380318	4.545873096	4.176528861
4.523007263	4.025089682	4.687794205
4.357955582	3.605518461	4.663321244
4.633096647	4.409380197	4.374805986
5.001189599	4.458523768	4.680948233
4.819109217	4.645057234	3.735059867
4.572671891	4.34277696	3.736198497
4.809797995	4.649396984	4.619873772
3.797766252	4.576369583	4.697631396
4.591634737	5.005871022	3.757257217
4.487521024	4.499751525	3.681500207
4.386433564	4.214967752	4.112867904
4.254727085	3.666991302	5.339113766
4.718555785	3.718359921	5.165838013
4.455185411	5.038972631	4.321911572
4.695466889	3.677831708	4.618412685
3.893555843	4.008272929	4.172108118
4.426642148	5.085521823	4.420426195
5.471379129	4.635611815	3.703619178
4.250055138	4.34445679	4.263161963
4.381262793	4.402120984	4.804509423
4.439800596	4.039103065	3.820057767
4.50916857	4.162984665	3.720442638
4.950603892	3.866848831	3.649238012
3.820833586	3.653489926	3.995301959
5.077455242	4.405379731	3.735061505
4.550786857	3.583540385	4.385525813
3.898424399	3.613896061	3.845680111
6.004396886	4.859445878	5.57623726
5.16338776	5.152931935	4.883250588
5.893693069	4.1057543	4.79421513

4.382399024	4.454801089	5.260144663
4.805941462	3.638021978	4.597176703
5.54683026	4.354982926	6.015689958
4.59407124	3.953319721	4.093863975
4.712081835	4.717052065	4.794373509
5.033977638	4.756146881	4.80649681
4.506868145	3.93023726	4.441958741
4.770489888	4.374814341	4.582881879
3.594014917	4.071171967	3.790149164
4.920275628	4.377737454	4.736361027
5.425877547	4.411824309	3.650317307
4.046260775	4.03809358	4.682729043
5.656286782	3.623634412	7.337559489
5.514999141	5.024330414	6.039323202
5.101853672	3.723742094	3.875791704
4.177402857	3.953351851	4.344549132
6.797850622	5.2103881	5.193476301
5.542309845	4.42998802	3.65502649
5.502849094	4.151214057	4.868903146
5.191076294	5.118215015	5.469691813
4.134643464	3.663473503	4.980296039
4.703071325	3.578553514	4.72041405
4.649546765	5.210860319	4.640110299
3.943131158	3.9788558	4.328610262
3.777371015	5.580784455	5.914294243
4.412770918	3.564806339	4.145314226
4.417642529	3.788974932	3.664928821
4.614860211	3.713734881	3.791248394
4.130891256	4.108265114	4.271167448
3.899156036	4.073427454	3.614470549
7.647754586	3.886190528	6.002904567
3.697809812	4.673572253	5.315248617
4.584282039	5.133863286	5.340693571
5.27909964	3.606254339	4.942478596
4.715295291	3.699165418	3.767979696
4.882227502	3.970628435	3.637721244
5.932563483	4.293433053	5.210979957
6.189560756	4.824483248	3.571017547
7.228319556	5.980820202	5.176889744
5.26385908	4.525256335	5.639416666
4.069340325	5.277811411	4.775688359
5.492230606	3.960348016	4.460962383
4.370174633	3.859234439	4.408870855
6.691470163	4.274926126	5.367469785
4.00747901	4.650559767	4.436922249
5.412677603	5.557377833	5.00184556

4.535609228	4.766865049	4.121967929
4.23993584	3.860412804	4.761719143
4.751289267	4.119764088	3.873292922
5.269685578	4.26574715	5.363792923
4.877064786	4.158447474	4.847582753
5.119824922	4.450188304	6.117824162
3.998479424	4.246778455	3.711786298
4.197684551	4.297984383	3.786383051
3.956822316	4.385122575	4.476362185
4.619541366	4.167008018	3.567272162
4.412449248	3.659219847	3.710236064
4.87941292	3.683319459	4.268681952
4.066582235	4.715560675	4.963836234
4.489472255	4.136929101	4.345300936
4.4109389	3.94751554	4.709372483
3.670708547	5.459288063	4.12912026
3.780043479	3.58754308	3.780088468
4.39375756	3.662523881	5.229148856
4.315034285	4.250497047	4.247625523
4.404366948	3.800810228	4.421744639
3.666594389	3.740773039	5.945697153
4.137583738	5.087057253	3.748576933
4.883935448	3.610999928	4.226347233
4.279753957	4.266743244	4.224976502
4.678434976	4.026998232	3.888967681
5.266887644	3.634808615	4.582453528
4.588194842	5.057946156	3.853308919
3.947679622	4.785398559	4.187235331
6.143744978	7.134493766	6.082472136
5.432860958	4.983425614	3.865995863
4.015448607	3.846355141	3.795422347
4.162090741	3.66130075	4.0248932
3.710747728	4.975326094	4.449924165
4.134143226	3.771886649	4.704662421
3.844053409	5.123811812	4.727284721
4.030774965	3.767419535	4.337216128
3.782200472	3.803195248	5.136801511
4.072321745	4.038758609	3.604385954
4.150506385	3.558054404	3.863255572
5.105837757	3.934768489	4.610043756
4.217687388	3.832088289	3.998326599
5.221391671	4.204728052	4.635625414
4.062454515	3.678911889	3.915577834
4.05213918	3.624690909	3.691571683
4.48877367	3.756720278	3.901261321
4.52016565	3.718590223	7.414188839

4.379209622	3.845549444	4.195690025
5.024538142	3.865229581	6.434035271
5.754070313	3.575239666	5.063671496
5.324686452	5.379698156	3.882401234
6.600684534	4.188917216	3.672034115
4.291656686	4.220709119	3.892728655
5.893109571	4.698032741	3.725582223
4.267656091	4.229868262	5.048291216
5.514044525	4.258426372	3.745126607
4.907271148	3.691468869	4.620373032
4.744558936	3.593808298	4.338166676
5.14161035	4.309435243	3.586355235
5.301209691	3.701982056	4.232511251
3.55329652	4.601989466	6.208025038
4.49517125	3.667673274	4.449338083
3.777905925	3.924763521	3.637700497
3.890526242	5.30607764	5.642834496
5.018597936	3.71012439	5.467350607
4.369182544	4.345433175	5.568873278
5.4966335	4.013507303	4.755344813
5.046511744	4.537612818	5.458224462
4.177469665	3.733021974	4.24995904
4.194089448	3.565138942	4.443861972
4.638125093	3.579495795	3.860772816
4.93767649	3.76765548	5.113446462
4.801596966	4.347688981	5.953486515
4.199695673	3.542650097	4.740064309
3.718341986	4.770513722	3.984421552
4.464117585	4.584448838	4.635273252
4.434248475	4.097643572	4.642630959
3.771679307	4.021674193	3.897055934
4.322186602	3.779687501	3.975693894
5.12764633	5.231312497	3.602283278
3.660817015	4.175267197	5.087992914
4.46060664	4.021528925	4.889304303
4.460994233	3.833138185	4.872810237
4.941169643	5.180063943	4.367564771
4.256423966	3.563076068	3.794245388
3.671300723	4.427084942	4.475628196
4.130855029	3.801537194	4.039663289
4.949554946	4.58342789	3.598196534
4.399039949	3.95364842	3.902109352
4.198094235	3.584252487	4.532185544
5.7037092	5.307160911	3.676215915
4.848024612	4.434613226	4.328861275
4.296391943	3.517395189	3.98764234

4.263554854	3.640480712	4.637476469
4.257792454	3.92376013	3.69235096
4.036229109	3.605099976	4.747746158
4.663639795	4.098582437	4.020657895
3.531762775	3.817686738	3.761909131
4.791234596	3.650850681	4.744356692
4.128009401	4.240901978	3.662434258
5.869437317	5.250825013	3.641351272
4.258510818	3.636490052	5.013995498
3.734948699	4.240678638	4.405586627
4.590940621	4.02766784	4.205466759
4.395914984	4.963264845	4.556751407
4.505825662	4.097897108	5.255615015
4.598496925	3.833097293	4.719987722
4.604760034	4.030306212	5.293508886
4.231866348	3.585760504	3.803542114
4.093163302	4.227024423	4.427847851
5.204084121	3.536376759	4.758478995
4.780209242	4.571366356	4.350339895
4.376451236	5.108063479	4.834014309
4.74107498	5.288030871	4.104899032
3.739289269	4.959465493	5.264119345
5.251843375	4.248384543	3.59183136
4.628847215	5.897105805	5.913442546
5.06327342	3.897298187	5.603377589
3.996489132	3.668049464	4.074326138
4.31132421	3.640885277	3.70954614
5.029499568	4.449034413	4.962371964
3.826862515	3.760469643	4.903999091
5.174720931	3.680799562	4.216349894
5.340919812	3.561925731	4.565139187
4.575887112	4.616893218	3.584031063
4.306182806	5.027029344	3.951999521
4.324735195	4.506877281	5.743021546
5.184154383	4.498036337	5.132616178
4.229948563	4.61565954	4.514148627
3.758638766	3.830833945	3.697225235
5.857306665	4.182884917	5.080131532
4.600711601	3.664132505	4.739196885
4.675936915	3.740519586	4.64596784
3.675536834	5.723529811	5.082487771
4.510383417	3.578182638	5.018814574
5.211248842	3.734627693	4.077571822
4.659480571	4.52845582	3.750037769
5.511554275	4.281970092	3.737331635
6.734964767	5.516217571	6.044389706

4.097001409	4.997886693	3.684734352
4.479387511	3.546333171	4.000651241
3.765803755	5.715602627	5.89844179
4.144333842	4.793717006	3.719176442
3.492305403	4.637999158	4.253998019
5.857780466	3.655811183	4.332281841
4.446403734	3.739678974	3.890429837
4.871648648	3.567313257	4.534395039
4.95199869	3.676221987	4.657355129
4.596298037	3.599926972	4.068510832
4.748565744	3.519380485	4.017528032
3.540085677	5.138353837	4.549989178
4.881943555	3.731452065	4.730898072
4.732537292	3.846525054	4.682136691
5.046574032	4.421726135	5.062616362
4.202561921	4.384491394	4.327712244
5.579934144	3.830378692	3.825372367
4.456485272	3.637409989	4.433938669
3.990712735	4.107065186	4.256360365
4.35111262	4.154748017	4.367696783
5.421958913	5.417891456	5.124472745
3.990722505	4.215821207	4.686468042
5.992142944	5.848110191	4.568945611
4.106513145	4.452700235	3.539854529
4.909955813	4.336791042	4.70632403
6.082631534	5.196757946	5.457440513
3.688146029	3.604592535	3.536699833
4.76487368	3.546784141	4.143957369
5.900904714	4.933678243	5.48025433
4.586371259	3.735051207	4.898323235
4.384003834	3.866921228	4.788235361
4.176355484	3.763323549	4.201117649
4.046021409	4.021187005	3.960421307
4.188863961	4.138605909	4.195102206
3.515342233	4.374949625	4.038703209
3.636087742	3.558896075	4.079356211
3.616260774	6.019267224	4.146960087
4.1760102	4.574167842	3.620929271
4.745867173	5.457877539	7.145043657
5.274179791	7.428510884	6.016247171
4.279042367	3.847123267	3.510760952
3.614583058	4.457201684	4.263213562
4.668324353	3.956867677	4.443729079
4.454131359	3.687952704	4.135269363
4.927384162	3.587569519	4.177078118
4.554878723	4.086782941	3.962666386

4.081510684	3.945169325	3.9741365
3.888865685	4.112984201	4.405923803
6.112743421	3.602110963	5.331902123
3.686777227	3.674577927	5.544560954
5.003299809	5.295621365	3.711881495
3.73429633	4.315527822	4.704706875
4.04075731	3.790784965	4.15051234
3.689707284	4.493838365	4.245884269
3.948066748	4.153467657	4.191323779
5.051348082	4.832012375	5.714797266
3.69652867	3.813432859	3.763587348
6.244079605	3.85657447	4.709040024
4.686023582	4.806104586	3.84774825
4.562923258	4.300996867	5.468411412
4.1040072	3.916533602	4.277665242
4.53619059	3.823352378	4.292409118
3.569521646	5.180924028	5.813076383
4.24422707	5.495819091	4.816458077
4.697497203	3.831070298	4.687859976
5.378812569	3.683799474	4.681844827
4.65722942	4.338416255	4.09827985
5.736529633	4.280443853	6.139380559
4.118251477	4.706737316	4.464206485
4.818372553	3.630259485	5.136697993
4.180396114	3.738633719	3.862614264
4.308980424	3.83631721	3.544121985
4.861868044	4.048573728	4.964844591
3.739373145	3.864669221	4.196611494
4.040576091	6.865533779	3.966969257
5.679429428	4.34127022	4.225395363
4.088648448	3.977318718	4.827620594
4.962734028	4.654279165	4.474248276
4.158231647	3.918094156	3.980532976
4.356832511	3.483929354	3.635735663
4.247570041	3.515102774	4.686165706
5.765997395	4.820118232	4.718764217
6.047641499	5.357950131	5.788349116
5.611965454	4.615087304	4.139276249
4.180591187	4.28420963	4.271821552
4.383527255	3.602274833	3.997139642
4.487828989	3.71550633	4.426112486
3.71510519	3.821889991	3.946052436
4.363274326	5.911618578	5.093085548
5.786949362	3.832716132	5.228339153
4.580629913	4.361240895	4.659608341
4.003415109	3.886173872	3.483060464

6.143197342	4.172157819	3.773134755
5.484743119	3.740432287	4.319000855
5.698931976	4.411153553	4.413271159
4.789946352	4.956896414	3.557801638
3.900648273	4.572402504	3.943156442
5.319232497	3.70583957	4.302019205
5.437207277	5.74673957	3.49104191
5.507212281	4.453887906	3.750066409
4.561990604	4.809267784	3.865086475
5.423017092	4.114645883	4.409954966
4.566091709	4.633668483	4.729319252
5.126879185	3.49239953	6.184678691
3.729548534	4.522071474	4.762530364
3.678499286	4.74417882	4.614248059
3.755442614	4.38582274	3.512916593
4.565921828	3.840460336	4.438910393
5.757189041	9.598883015	7.516102368
4.986676699	3.466435676	3.898159887
4.962552154	3.705724885	5.211958868
3.968115259	5.348737845	4.812024778
4.084436183	3.603982464	3.788269904
5.319390496	3.483184921	4.42993245
6.140068776	3.614655342	4.659793078
5.494604628	4.339055655	4.72273347
5.094303565	3.498622313	4.766946596
5.32329359	3.588192702	4.445656569
3.66083587	3.861684021	4.280195142
5.587806411	4.419931068	4.243332302
4.062946909	3.910326908	4.010495125
5.629592557	3.466120619	5.383770438
4.295990833	3.485852769	3.978359096
4.272426854	4.074978082	4.493397795
3.636739914	3.733134938	4.332469522
4.224649743	3.877012791	3.65319918
7.920483676	4.800024988	6.984038292
4.620682747	3.541465971	4.469417777
5.804691054	5.251200836	4.029970189
3.835729568	3.517399252	3.440815914
4.314115032	4.633773543	4.182074226
5.734916474	4.038548611	5.118008603
5.272096682	5.105215532	5.861236644
4.698655963	3.502840674	4.141924253
4.221210023	3.557094867	4.044263626
6.354929341	4.372280732	4.034066535
3.584014619	3.593825022	3.975504834
5.2105053	4.014734315	4.628286374

3.810255099	4.229277357	4.094000322
4.243139932	5.096745065	4.764381265
6.082841095	3.51431328	4.311809939
3.748110968	4.605897737	3.652895941
4.382776646	3.605030387	4.578255066
4.206692426	3.956703863	4.235421822
5.94239388	7.401638942	7.128364263
4.459852222	3.649336418	4.763438218
6.431681225	4.980446487	4.18202479
4.126720264	4.928268445	4.072495068
5.257512772	3.842559155	4.572372995
5.559878795	4.62488451	5.474679153
3.475935045	4.09503105	3.817903182
5.413526152	3.725800791	6.164994476
3.442757222	5.026663448	4.719081017
4.423980569	4.00765249	4.559243757
4.386457842	3.578914892	4.258024667
4.509132092	3.540477444	4.130968041
3.597867595	4.037688845	4.04517403
5.410172695	4.792940349	4.580881559
4.055522913	3.599536561	4.134391209
4.386190983	3.55770654	5.99181928
4.32132316	3.80841026	4.627313652
5.284120639	3.71452638	4.677804894
3.481427604	3.709404235	3.843573361
3.927208714	3.600096339	3.853793819
4.385692954	3.525655534	4.193599466
5.077747193	3.475556721	4.687597544
3.562798709	3.492423189	3.824569733
4.441803983	4.998932175	5.232474369
5.747610168	3.486010802	4.051015281
4.127338999	3.840677886	3.512307359
3.847780274	3.863855603	3.868041209
5.561864726	3.43581515	4.588654154
4.167385858	3.702711116	4.60577843
3.670989599	4.202159831	3.879162911
4.864777274	3.703164316	4.133941847
6.261767299	3.632510283	6.392350325
3.822173013	3.525010884	3.941154223
4.757812571	5.474202536	4.820789067
6.840118329	4.130970602	5.879356489
3.603290458	4.297452121	5.751925902
4.136600138	4.091222706	4.830501272
6.836209131	3.886090603	5.580053319
3.644948176	3.586922949	4.193429762
4.011233562	4.162735065	4.266087752

3.839465328	3.583247168	3.540769418
5.682998765	4.719692814	6.70564236
5.68394284	5.227627324	5.303090561
4.388324737	3.918182794	4.445121506
4.216419149	4.432398889	4.892166183
4.649653755	3.55439172	4.877929916
3.560555465	3.4354347	4.931263362
4.951751819	5.058271592	4.551768618
3.465933128	4.219954371	5.296327989
5.311843198	4.873013741	5.02029889
5.770631337	4.287868994	3.646656523
4.136259558	4.019224685	3.441267638
4.975784595	4.483607472	4.445851826
3.812594303	4.109132205	4.789485562
5.118636038	3.606198967	4.782013695
5.058391651	3.567704827	5.013967143
4.581722294	4.000159541	4.486586009
4.032867034	3.627965748	3.616683517
4.609313898	3.942210233	3.662540152
4.106175224	3.479181135	4.340556942
4.553388702	3.422321195	4.132863709
6.605439	3.714733616	3.845828319
3.525750965	6.586356783	6.327935568
4.178230256	4.028951219	4.365800614
6.784638966	4.416380457	3.441803279
4.229076807	3.527639213	3.832565724
4.302635502	4.539123416	4.644652487
4.447113437	4.297879908	4.367380315
3.556716937	4.89641379	6.010399242
5.111961771	4.774517542	5.066998422
3.599292005	3.616637607	3.766616533
5.596015224	4.687496846	5.183252
3.683135492	3.88626449	4.248912496
4.684402106	4.207031289	3.699829404
3.562249433	3.654417719	4.410385984
3.747328736	3.844535497	3.473152998
4.997359505	4.61624975	3.805036986
4.050182808	3.71164268	4.046147054
4.151878986	3.736865952	3.740764078
4.48609885	5.02310664	4.631887901
5.165732819	3.47797262	5.083312735
5.059007385	4.871860296	5.246532332
5.014093889	4.410778383	4.334274315
4.211088497	3.663405454	5.540829434
4.393766807	3.438576227	3.530613279
4.854550619	3.863899633	4.91241752

4.636557429	3.501645959	4.767153529
4.060525413	3.844854765	4.137270178
5.331171279	4.692901967	5.164835004
3.63695134	3.492866021	4.069852304
4.955170093	4.446482999	5.471957699
3.498490527	4.767587021	4.281403912
5.777239525	3.414654064	4.472230065
4.29735172	3.583713554	3.986071223
5.297750667	4.21879686	4.088075486
4.405060082	3.525693599	4.957773789
4.696457456	5.392461706	3.461000192
4.921799405	3.560417991	4.276058604
5.509524351	3.869015449	4.680489068
3.535142571	4.117841132	4.349434784
4.380131408	3.776572736	4.353546413
6.080317897	3.444268422	4.332376668
6.222162612	4.240744076	3.543224325
4.997990453	3.773110203	4.23620329
4.569189626	4.144282405	3.638553081
3.69381178	4.149046731	6.839758743
4.817490487	3.442160903	4.540671798
3.968807676	4.557894239	3.528163331
6.073396973	4.454974314	4.559574658
4.129575781	3.421689848	3.983887219
4.723302016	4.581764992	4.624429915
4.406684237	4.31314008	3.417708562
4.310925178	3.600139234	3.482932132
6.416340391	3.534128788	5.191087355
6.122657149	4.377843602	4.327499962
4.344592615	4.780382299	4.662515997
5.298672499	5.092959943	5.021760276
4.167533345	4.276312022	3.585698726
4.619148434	4.122127416	4.296267504
5.129669984	3.473381495	4.850594894
4.921618701	4.705644338	5.448201046
4.487205984	3.603582037	4.885941088
4.504475429	3.552300165	4.617941287
5.5282489	4.355042824	5.053118046
6.633752705	5.04123361	4.70726172
3.784419	3.908081407	4.760706761
4.492964898	4.54091449	5.874213507
4.160757692	3.43305035	3.867084084
3.593472341	3.49243914	7.394205937
6.04568665	4.526808429	5.385290863
4.556635893	4.146575548	3.679870428
4.297025096	3.518704447	3.925831009

3.535408622	6.105107959	6.69480491
3.488898147	4.334281779	4.081927018
3.481892863	3.896659806	5.39397779
4.072115508	3.429230591	3.669999577
5.90805155	7.651988422	6.125589742
4.321134484	3.956928638	4.233473883
3.478070712	4.139016278	4.081005293
4.818095411	3.588803003	4.38748981
3.805537109	4.808513386	3.758305083
3.569482649	4.898777076	6.312533331
3.681369279	5.062265879	3.384413612
4.486299796	3.378086216	4.960989618
4.47176705	3.599603205	4.71731002
4.578002179	4.092210588	4.000910038
3.529807871	3.558957038	3.677720568
5.274096029	3.460187585	4.582908406
3.920214589	4.02760948	4.585819947
3.490956355	5.051360395	4.679240564
3.97075688	3.581331951	4.241280941
4.736138655	3.643305254	3.886360914
4.620942405	4.440540762	4.557679579
4.230040357	4.216727266	3.614339387
3.910612003	3.996964533	4.148367255
3.51478892	4.544947352	4.318466651
5.986882846	3.601661038	5.085009036
4.704259221	4.234563114	4.35666079
5.23938896	4.62344124	5.37930481
4.315208883	3.994583056	3.753366865
3.609253011	4.420203383	4.392343256
4.850538278	4.681688245	4.685298592
4.15439224	4.290641292	3.666602956
4.045884772	4.669002146	4.239684667
4.40921871	3.896902904	3.814262336
5.09563043	3.817084365	3.782386658
7.194969231	3.399693829	6.396555626
3.414154709	3.527778558	4.108019516
4.765142776	4.122475326	4.321529989
3.532518682	3.752170591	3.65683269
3.636345244	3.621329452	4.169989233
4.219789976	3.461088857	4.043226242
4.575210884	3.997086852	4.16762904
4.190307061	4.878969494	4.319917217
4.928340801	4.266740645	4.510065913
4.524425069	4.133738268	3.669723132
4.896833874	3.797816517	4.846724164
5.212876386	3.508504719	4.20182031

4.136138552	3.58556668	3.678444875
5.539108367	3.841638991	4.329969445
5.752276197	4.248915749	5.117091508
5.0355382	5.561560543	6.257313201
4.654706289	3.436126301	4.617672722
4.512636733	4.928542419	3.675412237
5.792474832	4.496635918	5.31043926
4.671717883	3.589358886	4.411832742
4.675861354	4.758508497	3.832410175
4.280175555	3.519599192	3.665766136
3.785150818	3.392613455	5.429224495
4.83375396	3.408622019	6.105851918
4.025207143	4.094418797	4.778281081
6.583090056	7.203376149	5.508951084
4.034868943	3.941126476	4.28709613
7.543599818	4.51915858	4.551760044
4.125225192	4.032881347	3.708227728
5.307489716	3.857632778	5.292351186
4.036068252	4.13563417	4.29770693
4.538207351	3.425537406	3.783503383
4.771613343	4.464346431	3.435626128
4.167654503	3.486336816	3.976566177
4.076615252	4.261089663	3.639304337
3.707281412	3.796687117	4.103241958
4.52264013	3.788158816	4.444834201
4.36596688	3.858125667	4.221720044
4.407236139	3.394396488	4.328438122
4.704966127	4.980099477	4.817281741
4.418735082	3.404396063	4.23755627
4.357763183	5.055204862	4.462795263
4.138665984	3.516624646	3.835141967
9.88265731	3.539416738	4.833592399
3.411531148	3.499807315	3.820420301
4.595575615	3.586871558	4.133485522
4.015408552	3.809630428	4.086254957
5.630945978	3.371802641	3.994868693
5.715525975	4.619775102	5.12257111
3.477538555	4.701748959	3.712457331
4.126472807	3.732393879	4.018945858
3.999130315	3.894916871	4.968845918
3.863580524	3.544680782	3.836249317
3.570884468	3.664184238	5.966090844
3.431116528	5.07737596	5.055118789
4.162954393	3.775449629	3.614034244
3.52529895	4.11972981	3.507037303
4.918524445	3.934210214	4.126986294

4.631244707	4.071399202	4.117869828
5.015980794	3.374814805	3.520565511
3.828353825	3.70832808	3.440739534
3.367658612	4.789651916	4.576579101
4.892513413	3.464222201	4.425936594
4.958034335	3.456195988	4.432820287
5.016234539	4.047129941	3.747357792
3.533111039	4.657373846	3.941365384
5.501796523	4.321987692	3.610290658
4.990289219	5.67184084	5.846164174
4.206242851	3.732283746	3.940716767
4.511180753	3.531014298	4.739334399
3.498343351	3.43511824	3.574627157
4.368579514	5.799321095	4.442377367
4.328449847	3.431283584	3.636547466
3.848009238	3.96968809	4.530121023
7.418510221	5.131579153	4.297956798
3.898529085	4.559431266	4.194197873
3.756896549	4.439659115	5.074311507
4.012184156	3.709612312	4.0783401
3.547024884	4.891972313	5.608777151
3.441505166	4.178650765	4.202912505
4.645528299	3.374291192	4.543191096
3.394752556	3.814148382	5.10907513
4.856491289	3.367400387	4.304659663
4.855721656	3.352202958	4.597675881
3.432483774	4.156284332	4.198814482
5.581167554	3.539275471	4.888865227
4.869691359	3.987483648	3.608913762
4.351277121	3.41630238	3.901875381
3.390518524	4.367140188	4.041697731
5.980633638	6.170668793	5.463215309
3.767741302	3.743794647	3.608187838
4.749187009	3.854886331	4.860145878
3.426510281	5.042086199	4.70545901
3.651501243	3.331093313	3.729065147
6.732374363	4.346682074	3.517104527
4.278754988	3.659531281	3.968476297
3.759872171	5.735762833	6.372876399
5.147110486	5.099690897	3.8647883
3.955491349	3.49980208	3.381545383
3.838074802	3.824297132	4.699016406
3.64010396	3.888231422	3.471563263
4.649785567	3.743153254	3.809538026
4.174240856	3.490437026	3.476937862
6.252243032	4.630482189	4.850278843

3.918300356	4.05243175	3.472716216
3.502887192	5.041342336	5.305613902
4.716121968	3.765830056	4.183479646
4.605825667	3.371224299	3.478064617
5.282813104	4.917998222	5.616763191
3.927620436	3.417642457	4.43467991
3.827918383	4.306592645	3.60951624
3.640200075	3.437298435	3.685780605
5.04055895	4.354921249	5.337340529
3.566200357	4.469180663	4.920114669
5.066809682	5.178872652	3.822570147
5.757596559	7.39932051	6.927202291
3.654865403	4.045722464	3.859736632
4.043868001	3.781860783	3.552388614
3.892392058	3.42603492	3.315475384
4.701260346	3.402229174	4.087617702
3.59302538	3.329771456	3.753180041
4.488766953	3.335754292	4.156739971
4.798955592	3.44316721	3.602976746
4.826281693	4.129269021	3.924869919
4.8114366	3.47639654	3.998112203
4.126877521	3.365544873	3.954258374
4.439409554	4.250955251	4.167513927
3.706410145	3.471442852	4.789060319
3.841892008	3.315652218	5.449312711
4.788364546	4.210906702	3.938967904
3.620191567	5.28001847	4.246812586
3.968832258	5.482095016	5.171266813
4.534635965	4.723167242	5.074519473
4.386185014	4.641391299	3.513455297
5.207839474	4.593493594	5.294467795
4.361735257	3.50544118	4.536390527
5.328777759	5.278354476	4.72848652
3.42478997	4.016373638	3.874232225
6.336692271	5.786738592	3.479264196
3.914791641	3.449611832	3.726696352
4.354679998	3.889517851	3.590223775
4.938213785	4.518473946	4.513009506
4.323611409	3.744810623	3.445634068
5.630757784	3.487959039	4.889084677
3.522920938	3.838343194	3.735041346
3.446889226	4.972775544	5.648492808
3.941151399	3.496740656	3.814610413
3.453348696	3.646419312	3.850837898
3.470175956	7.299814989	7.741697946
4.156708815	3.666600657	3.828574635

3.536370259	3.69501114	3.421587259
4.948228371	3.424678585	4.308522783
4.402874574	3.395722525	3.89940827
4.04482364	3.367903553	4.063526321
3.960247466	3.950219114	4.018692068
3.724617217	3.384061879	4.338863248
4.591683315	3.390635773	4.422746585
4.663767533	3.681188579	4.163618898
5.093010781	4.219091368	4.099737486
4.576262809	3.842715071	3.359233758
4.23335612	4.466368829	5.031118993
4.196844542	3.333786735	4.058452558
3.79462611	4.307079468	4.67204243
3.553254163	3.401018521	4.897660182
4.42835466	4.480510372	3.402372113
5.18318352	4.928325288	4.354315973
4.486163267	3.71612588	3.727491429
6.688437804	3.808621517	3.957990465
4.491003288	3.840088162	4.188116349
6.368274332	5.609211822	5.165326652
4.827597952	4.080094485	3.462422255
5.008280083	4.965569529	5.732940457
6.192128587	4.956863057	5.976707372
5.026959515	3.868797143	4.65216432
5.165512773	4.797824479	5.17227916
5.307280679	4.129427633	4.643939864
4.719280312	4.437418258	3.42750765
6.613853119	4.604008735	6.144835332
3.572173538	3.353095206	3.985830384
4.011757585	3.351885275	3.706132012
4.888588605	4.285912059	4.329245552
3.771286202	4.030478008	4.122497601
3.973330066	3.464353962	4.1915573
3.738066971	3.718811229	3.411813428
4.470562006	3.458894511	3.382983827
3.505250409	4.402916347	4.471066238
6.061044474	4.780692472	4.707685272
4.149796596	4.186598967	4.171774341
6.040795272	3.668058703	4.158187651
4.648634559	4.367358361	4.057000052
3.545836999	3.618889379	3.697403021
5.893371032	5.090414661	5.397171199
4.868005347	4.939080315	3.531412979
4.153190585	3.402445757	4.734141557
5.26391057	4.820868421	4.830976616
5.059623239	4.000659117	4.56875956

3.568885094	3.341907791	5.488848336
6.345425698	3.339449198	5.038502517
4.083993108	4.471784029	4.457588529
3.671597293	3.363717505	4.267955683
3.369893746	4.263525746	4.771619463
4.208303522	4.077904442	3.387277443
5.402812904	4.563674817	3.486350848
4.825140498	4.610089091	3.724371938
4.793330649	4.309598189	5.23306705
3.50786679	3.860049692	3.674563602
4.870664978	3.362604647	4.682515099
5.175614727	3.677270986	3.884197461
4.52090184	3.345293228	4.181946314
4.20605227	3.806057199	4.255303786
4.456348041	4.640553902	4.51796712
5.308095774	3.397529075	5.160105429
3.481729192	3.83064542	3.788868256
3.3820798	4.101998327	3.80588321
4.52430318	3.334247671	4.756905493
4.352459375	5.116459181	5.69685413
3.89759418	3.704285845	3.43761338
3.590540783	3.426711917	3.664232635
4.379702153	4.814935477	4.162536391
4.841027146	4.619057483	4.795479759
4.861199119	4.047830005	6.125866799
3.385556026	3.55228456	3.543690519
4.731647289	4.075243924	6.092140138
3.700835342	3.352333357	3.902230172
4.162172679	3.337407587	4.344222206
6.700459786	5.602523366	5.577734449
4.140762346	5.161592157	4.790027227
4.862660708	4.374584053	4.66247404
4.920995821	3.745116866	3.94915701
4.992787734	4.321146759	5.685705334
4.038797906	3.686751981	4.413011548
3.805106175	3.346357825	3.979220245
4.913063088	3.350289196	4.374711257
4.349424416	3.999042404	3.375434215
4.47393679	4.218521511	5.008846064
4.068669312	3.305667976	4.662766058
5.351937604	3.333360481	4.639648937
5.943966741	3.673818058	4.430676684
4.168974435	3.786387589	4.275319492
5.950440578	3.464169341	5.008717207
3.926317389	3.340372824	3.403690095
4.148370837	3.340279999	4.093408705

4.733836074	3.846795809	4.678976217
3.312751079	3.98445428	4.104193877
4.521781489	3.863098729	4.347402455
6.533821023	5.824744645	5.226583855
5.57612787	3.707762348	4.224443301
4.250928343	3.739028114	5.045443779
4.070752769	3.417198571	3.546503943
3.810103871	3.421008031	4.406299233
3.596026743	4.04246497	4.59645626
4.921749766	3.326012088	4.021775153
4.595245237	3.469735995	3.326167853
4.569212616	4.301083109	3.834236205
4.098355848	3.40128081	4.049593987
4.245077021	3.468340693	4.384041128
4.830455379	3.559585177	3.28562325
4.239489646	4.171408804	3.415906747
4.130832167	3.286679224	3.87617263
5.004137881	4.702888219	4.977547543
3.815238153	3.451756564	3.674647625
3.945114727	5.398350323	5.9003379
5.165111452	4.797227499	4.808610866
4.630406785	3.955215452	3.789820564
5.142708793	4.830805908	3.533917612
3.374645957	3.877467155	3.473184282
5.222883605	4.070477801	4.84356815
4.230953258	3.247870545	4.288555797
4.888275472	4.416604476	3.436713134
4.453049162	4.84952631	4.030660252
4.096005055	4.127101695	3.640875455
3.551893675	5.199761526	4.590529446
3.958772154	3.460894857	3.352594328
4.712240459	3.469613445	4.505437565
4.723901133	4.008964977	3.400815142
5.91648544	4.883350751	4.480080149
4.14068166	4.232603346	4.005692321
4.603773093	3.938542561	3.490611238
3.57503066	4.062776748	4.429253745
4.447111262	4.502769332	3.953403524
3.735011438	3.743853842	3.363766524
5.000186522	3.755393653	5.123636951
3.46863556	3.346541304	3.688300691
4.639574202	4.919234398	5.045707335
4.041695962	4.400951191	3.916099612
4.474226551	3.260610818	3.521348445
5.615571771	4.200208185	4.019912527
5.831400859	4.40587296	3.350873931

3.882941543	4.697555813	3.459877047
4.729189741	3.483628429	4.025368555
5.566145812	4.593609717	5.195523458
3.530649041	4.655490311	3.472200727
3.343809736	4.59538161	4.232168336
3.373833477	3.330217891	3.265871697
4.421612633	3.848387936	3.274038728
3.804841288	3.622828585	5.140316693
6.508548258	3.251085956	4.165833868
4.32453108	3.285608322	3.362542088
3.904545835	4.544886868	4.642802894
4.381914608	4.692792835	3.535252068
3.5434071	4.360659968	4.558242722
5.081862197	6.53297062	3.463752064
4.75252074	4.627299269	3.399767075
3.280792865	5.214918048	5.739089911
5.74688556	4.229699881	4.729119532
3.986595448	3.810211345	3.362555482
6.454925329	4.101421943	4.306271296
4.064421342	3.380315544	4.496481328
4.370343914	4.1647519	3.806887514
4.773822984	3.780856116	3.566878429
4.639561552	4.20356669	3.74479454
4.740816212	3.641976517	3.443538804
3.911720844	3.41911977	3.86824156
3.618262817	3.45117242	4.225297534
3.753198387	3.351212622	3.712585101
3.792446741	4.803475847	4.558583761
5.355577057	4.649110146	4.876710632
5.389027482	4.111407885	4.091195783
4.721213219	4.309831399	3.322395333
5.782406878	3.269679128	5.022221707
3.994125399	4.49718264	4.137726809
6.520554761	4.988088828	3.28727291
4.210827587	3.431237942	4.114577963
4.981956083	3.834581069	4.410240855
3.798062747	4.121350784	3.703701559
4.673553084	4.348525929	3.933932812
5.849376222	5.684129857	5.2540406
4.820072934	4.513154439	3.964102548
5.162439012	5.294509834	3.323023936
3.318104186	4.137777092	3.556918121
3.937541606	3.509333194	4.098084215
4.105937485	4.229856492	4.434326273
4.512409418	3.96293702	3.669367756
3.848124126	3.797071056	3.732538061

4.843872456	4.290338277	3.735906762
4.481314093	3.343577696	4.852398546
4.747739898	4.653314238	4.640935447
3.221029504	3.968542826	4.610860347
4.177071991	3.9136702	4.044450503
3.950491367	3.354908224	4.045291295
4.920514176	3.415782309	4.994865261
4.930893142	3.851841444	3.961297008
3.819374882	3.318307293	4.20493358
3.879138152	3.384688433	4.31924332
3.36048365	6.568211483	6.861794752
4.547161417	3.960919821	3.505393997
4.762809463	3.273669645	3.607357294
3.774186591	3.812292195	4.705073272
5.038550615	4.614426334	4.625937749
3.934768259	3.628060459	4.984045801
3.600919448	3.83589821	3.32271489
4.305097105	4.762002628	4.875729147
3.650107013	3.545985692	3.2538934
4.285413214	3.768574033	4.205797613
3.356247724	3.923988301	3.8528364
4.438118228	3.519349141	4.432488084
3.974882194	3.23724566	4.852639233
4.867140676	3.39752759	4.296615148
4.379154325	4.143900655	5.030161715
4.306528234	3.787789315	3.535902837
4.400615806	3.297012788	3.798360967
4.827708821	4.564242559	3.816352006
4.636428689	3.458712992	4.414365455
5.229401749	3.220106846	3.639370414
4.06293937	4.228185658	4.649418047
8.126573585	3.236438245	4.769336367
4.619801044	4.02299087	3.331537956
5.993684671	4.991334833	4.606374913
3.933487882	3.257886171	4.97465719
4.256622601	3.841784128	4.761913556
3.947158482	4.697507785	5.94348991
5.631922687	5.970991607	4.563727881
4.405948623	3.415401438	4.657388832
3.297468162	4.072358251	4.052850028
4.688674417	5.519913809	4.247017663
4.663511468	3.343910709	4.112331554
3.882875209	3.461649339	4.248763666
5.82550779	5.294505881	6.665934182
4.48262768	3.398472822	3.398887397
4.789605836	4.328203586	3.938628233

3.368766747	5.125197908	6.588897953
3.964895754	6.477902537	4.565698228
5.782031075	4.96109141	5.128688571
4.538776757	3.468724111	4.581923647
4.218613845	3.666887753	3.627096408
4.097838368	3.298940062	4.708339198
3.407401628	3.452660942	3.987555179
4.020897446	3.778066322	3.654113436
4.334629888	4.409100454	3.381013089
4.051531211	3.368203938	4.975099548
4.189257209	3.247507396	3.942229745
3.248582082	5.51538775	5.400122644
5.481492145	5.389367531	5.17602364
3.98767151	3.43971487	3.884011898
4.256159043	4.553351294	3.370330536
3.350592648	4.014461952	3.353974437
4.911556752	3.632940954	5.367607956
5.050685479	4.492524451	3.604566077
4.933548468	3.509791547	4.158035141
3.907164764	3.824739978	3.41567228
4.436482904	4.422254024	3.59255925
4.775545797	3.216229231	5.173920828
5.330892039	4.535352324	3.892754433
3.400391558	4.351090065	5.073421878
4.693176024	3.428033311	4.015880166
7.203792679	3.226965264	6.511370928
4.329228287	4.469058986	6.04650133
5.570248792	3.545720269	3.514203335
4.723960723	3.734298646	4.721825492
4.184777161	5.563608627	5.543973766
4.516004172	3.879239406	3.220025794
4.059222641	4.001597156	3.66082362
4.619584965	4.375486068	5.211277835
3.706886434	5.261555859	4.459413439
4.207314276	3.25914128	3.620703973
3.867218275	3.215533277	4.03238043
3.813055717	3.460084956	4.403551999
5.359764422	3.93941542	5.030110977
4.887410135	3.858677401	3.327920173
3.289248104	3.401653506	4.448968836
4.922859654	3.933059028	3.282798782
5.082410626	3.238796794	4.223168683
4.003889991	3.938740795	3.272096967
4.68892731	4.287296397	4.884402905
3.708248447	3.258423268	3.404899906
4.170691096	4.657119358	4.23314834

3.910014836	3.370560392	4.431823473
6.667474177	5.022720739	3.381390183
4.627453554	3.653485609	4.158275083
4.243236178	3.337219397	5.576801625
4.750505498	3.862396989	3.749056705
4.786567324	3.831256522	4.222425319
3.297163644	5.073927281	5.362886986
6.493514513	4.919099112	4.893187492
3.686954822	5.357407437	5.74670612
6.305976742	3.214615108	5.558340746
3.192563684	3.931160418	6.032581258
4.490846708	3.716591709	3.188915411
3.179751098	3.772052064	4.031936832
4.417243114	5.112791078	4.66377124
4.218171512	3.922039902	3.811019925
4.84299624	3.262309407	4.451521018
3.865553855	3.840849971	3.281548815
4.998485036	4.276776397	3.607624645
4.08679635	4.036664439	3.25948407
4.678630534	4.509351243	4.821223353
3.783822822	3.567006513	3.330904956
4.751061066	4.285985989	3.763250358
4.885269064	3.91073627	4.124739513
5.104378273	3.795002364	4.89509543
3.511838389	3.212861385	3.489684066
3.723545878	4.136630772	4.006601001
4.049653171	3.90247994	3.363367812
3.830809783	3.408584187	3.949255472
4.532532868	3.666584895	4.065168353
4.169842783	3.817266437	4.374052429
4.364277114	5.610508677	5.174713914
4.460728606	4.492540775	3.92401496
3.285592142	3.661414161	3.436952712
5.192489349	5.114144808	3.23722638
6.445539505	4.366780463	4.147748163
4.55474496	3.807192471	4.94501663
5.132091262	3.890935929	4.69199866
4.063238406	4.070016226	4.544719275
3.292274593	4.387420174	4.322011402
3.869372316	5.085994917	4.612962721
4.093127164	3.807757041	3.797371766
4.072085444	3.265352276	3.795485613
4.604203992	3.265655539	3.868618551
4.416683997	3.794481034	4.251778509
3.590395904	4.297260945	3.791645688
5.698042033	7.525747367	3.352625017

4.47319015	5.770056949	5.497799164
3.670979967	3.282035454	3.307912115
3.302587427	4.919682281	5.147229635
3.501242651	3.571841515	3.712234883
3.605194193	3.97932891	4.202468179
4.588300422	4.044313007	4.824735922
4.950385547	3.932663711	3.434507237
3.559849081	3.657005684	3.483888544
4.383112773	3.322844568	4.001852646
4.368421952	3.49323429	3.214506224
4.166425339	3.466943035	4.163199129
3.901874085	4.484942813	5.308279742
4.179039417	3.988810261	3.842924682
4.358958712	3.311395548	5.750229102
4.163827306	4.230749617	4.72622694
3.304708767	4.109495045	4.308358719
4.956007295	4.35381006	3.736099802
4.471672793	3.300601615	5.230409704
4.473142657	3.599730434	3.340213765
3.998814359	3.76652918	4.645051184
4.741259793	3.196160527	3.703898048
4.419241594	3.897766876	3.346315359
4.176695354	3.697627792	4.757678504
3.304367265	5.006596343	4.661913031
5.190411161	3.298818471	5.827795545
10.6617619	3.158116285	8.119445152
4.031537597	3.301544024	5.097773483
4.56463637	4.464327398	4.225816413
3.462902356	3.631723334	3.473154638
4.745076684	6.345568223	6.019353144
4.0122297	3.163327715	3.482666808
4.894626655	3.776997315	3.880905704
4.63302239	3.328436988	4.191177222
4.174525921	3.649875563	4.031722951
5.014929115	3.472926335	4.056420633
3.35441327	3.400748909	4.24699564
5.93755606	5.856371019	5.545798527
5.608157677	4.127108165	4.493456744
5.984060066	4.755082225	5.955073659
3.329549426	3.584968303	4.087028847
6.203977427	3.908168171	4.694941624
3.94257828	4.120258959	3.605182567
3.298629733	3.849093417	4.909399838
3.448093125	4.371731655	4.659940257
4.302214146	4.043798745	3.825794587
5.663210642	5.625547157	4.79912392

3.411286718	4.092052377	3.762593471
3.531673756	3.993511826	4.944108793
4.382397459	3.521440749	3.498942235
3.178174646	3.639582795	4.52042395
3.757877114	3.188711518	3.874682254
3.443575882	3.644950447	4.232731222
6.65819882	5.878384799	5.875810095
4.181815913	3.289876882	4.660706727
3.801247726	3.764087092	3.825978346
4.263664532	4.146074305	4.522123647
3.239877417	4.3095482	4.744314865
6.539074537	6.204765761	4.129998786
3.630040758	3.626066883	3.44718028
4.144841349	3.262230881	4.022325975
4.084763993	4.158638284	5.280775061
4.115975032	4.652653942	3.243018476
4.130010545	3.212135114	4.364074283
3.916574471	3.52996083	3.794252679
4.703255141	4.768150737	3.247044805
3.360274764	3.770276946	4.577939134
3.301663566	3.720655414	4.825607292
4.697816948	3.816233087	4.519727448
3.228415268	4.373297263	5.063508619
4.875509884	5.137760345	4.705807929
3.78698915	5.2710778	6.204257917
4.486348805	3.49707102	4.511401303
4.871268727	4.836929856	4.156777631
3.238208364	4.287349693	5.07690256
4.942336413	3.320873814	4.33623893
3.137844566	4.406756826	4.657381353
4.539407274	3.634968097	4.449221474
5.184393791	4.935932265	4.216135721
4.552402053	3.222767392	4.13856258
3.388791521	3.544036883	4.460763597
4.608653137	3.589658007	3.235050431
4.7048716	3.142269846	3.957838518
4.033703986	3.401237198	4.165124525
4.220377042	3.458784588	4.472300476
5.345776429	4.411111473	3.90619298
6.751558083	4.390106143	4.739047582
3.94634897	4.925153576	3.694143974
5.822952658	5.441768765	5.907178392
4.278466941	3.824474207	3.671108545
5.267784268	3.94099187	3.650186244
3.433561319	3.131693748	3.236678084
3.482040429	3.184326298	3.319154262

4.055520627	3.142837538	4.398268349
3.952790437	4.825378261	4.149316542
3.253536645	4.794665233	4.022376577
4.266088348	3.303889913	3.383840904
4.226800531	4.221736029	3.205864967
3.595874487	3.685616634	3.189586831
5.314426237	4.415737261	3.520495485
3.367324159	4.740793259	4.183937544
3.198192087	3.70285639	4.843003398
4.296765218	3.876790221	4.319044331
4.182269445	3.588328143	3.336761556
5.219802589	4.88022564	3.882486776
4.30403999	4.549930563	4.287110419
4.458778209	3.223563873	4.063175494
4.441697847	3.795257303	4.406202648
4.992863562	4.055128997	4.186678958
3.927351105	3.211526822	4.296369963
5.678550222	3.339773656	3.744588877
5.113270173	3.254560806	4.055685981
5.180590971	3.173674007	3.837153103
4.525912197	3.926033671	4.560475459
3.837971774	3.116231511	4.433038434
4.27477873	4.634609942	4.504142802
5.039018417	3.784509387	5.363812835
4.283496916	4.627440374	4.515330619
3.492457669	3.828734835	3.508021589
4.939098649	4.513369453	4.925483849
4.299825674	3.169505393	3.60617192
4.893629869	3.288433368	4.580011543
4.452620808	3.716584193	3.136446987
4.995820422	3.889393576	4.804644494
3.69807209	3.451045873	3.642396688
3.517909346	3.835328884	3.591629691
4.691086049	4.095410253	3.431074008
5.046084131	4.14899231	5.118709787
4.223178829	3.191410083	4.139608449
3.581266191	3.669269149	4.252042544
4.188664907	3.544622648	3.691403492
4.897559675	3.156431035	5.648006073
4.770824218	3.847518261	3.201992745
5.270252615	3.816721559	4.607630069
4.91586431	4.513399316	5.502804996
5.993853976	5.53436124	3.321776278
4.138210275	3.197601845	3.901957618
5.399672468	3.359652618	4.659452775
4.082907757	3.323356929	3.929374887

4.63741101	4.16174455	4.494571532
3.482333535	3.132375119	3.426308546
4.555867292	4.989285557	3.221149225
4.429260705	4.549106462	4.467660756
3.577809055	3.456567216	3.269766111
4.228935331	4.945583277	3.199107928
3.1396694	4.446396823	4.322858075
4.406150164	3.521998332	3.153116018
4.935346326	4.100153426	4.38212705
4.094780421	3.245724077	4.559039814
4.01893185	4.390758516	3.97644802
3.218106275	3.210755863	3.296410416
5.778576096	5.200719191	5.466374848
4.04421205	4.842456342	4.671667877
4.40183693	3.098999215	3.776478527
3.814139201	4.358979889	3.241157951
5.196181627	3.461329916	4.894654909
3.17709969	4.042788958	4.255923769
3.8593661	3.406943704	3.921679861
5.01154756	3.193390185	4.232171186
6.267609228	5.970795249	6.486530672
3.642710838	3.597691728	3.686275495
3.190245984	3.12417845	3.343588474
3.756852035	3.115821691	3.917740695
5.159354115	4.482398882	4.317855402
5.068787357	4.274686694	4.705552987
4.784410282	4.152168945	5.027703395
6.265222973	3.728233591	3.558331042
4.879716742	5.474102992	5.22979026
3.81544365	3.857263973	3.353656657
3.574289596	3.208433924	3.908631009
3.555240255	6.774196821	7.894015662
4.47809627	3.156524713	4.310870891
3.897305878	3.938188025	4.310878246
3.579851153	3.327670954	3.654146621
5.813561375	3.219021949	7.411793974
3.237922853	3.608252248	3.357562724
5.476583044	4.353115905	4.147603753
4.130467948	3.556031285	4.20505301
4.043636169	3.960639716	4.440590363
4.321068282	3.45047206	4.020887554
4.094817506	3.986085081	3.995755639
4.17055377	3.352707113	3.525784692
4.012811611	3.721464507	3.393122855
4.130730736	3.443419986	3.49056793
3.763705255	3.541126034	4.409063919

4.25881219	3.137349342	4.122885144
4.440622457	4.304977318	3.177051264
3.290047567	3.95232411	3.708608198
4.260042386	4.588370707	4.640501251
4.067274153	3.185719202	3.523725679
5.771782475	3.1299249	4.201739691
4.040012336	3.567497371	4.555797938
5.826072716	3.233155652	4.748766148
4.20180906	4.641983139	4.243908656
3.589369029	3.217991561	4.303112126
3.496958699	3.214964103	5.472487212
4.141099687	3.55299232	3.216401278
6.611875711	3.875982266	3.180569969
3.948802145	3.571598351	4.697342381
4.837398887	3.171847621	3.437535148
4.247563952	4.32388463	3.712166433
4.723100887	4.479850291	4.405734098
4.753781322	3.902142095	4.775824968
3.53481724	4.151430035	4.151713377
3.482981314	3.202172841	5.023092061
5.705360182	5.165438343	4.832866548
7.520433534	5.18851381	5.424552722
6.068428678	6.131955979	6.125215655
5.926593196	5.360218621	5.277120172
3.886137285	3.242483325	4.707121125
4.559200466	3.8481042	3.142740317
4.01423868	4.337458438	4.206268779
4.070608204	3.731769637	3.231965246
3.354441619	4.856187333	4.736571204
4.380480437	3.844851177	3.965917283
4.373888773	4.876522223	5.04565538
3.27650249	3.702860663	3.645940728
3.290926458	4.422585496	4.805824519
4.151704549	3.607266527	4.538339016
4.023506783	4.231685857	3.178330082
4.281369784	4.469226291	4.274139113
4.191965395	3.479501765	3.849155626
4.701570542	3.645753153	3.185881213
3.71290696	3.412763278	3.329362183
5.130663405	3.926783494	5.141104364
4.072807214	3.489834797	4.135166099
3.989858873	3.510108476	3.225134294
4.130215658	3.97980739	3.792321118
3.228295115	4.186924194	4.223015868
3.405016081	4.141905329	3.488008455
3.415055425	3.415931457	4.424821777

4.530063512	3.414107632	4.043717355
4.489232642	4.793644669	5.014658432
3.431197544	3.372956051	3.150547518
4.320511664	3.712040377	3.112776337
4.112805362	4.291793605	3.701354363
4.283182196	4.32529742	4.328516465
3.241009227	3.183190945	3.523676626
3.856392134	3.272365907	3.958565727
3.150634156	3.721195515	4.750411381
4.15641147	3.845025883	3.131145029
3.37834862	3.141723972	3.565088101
3.105338177	4.504571632	4.246586099
4.819208528	4.021166263	4.451466368
6.209773507	4.842446002	3.410478063
3.737816333	4.304066234	3.706106882
4.998029329	3.150839944	4.427302311
4.242903352	3.099032059	6.388338111
4.636461522	3.880571026	4.810866372
4.27269749	3.237529827	3.96027468
3.843780655	3.937204437	4.199523019
3.898546041	3.366361114	3.552964818
4.857746181	4.214162787	4.421230704
6.817792245	5.774345006	4.852945198
3.619405963	3.542261913	3.112209752
5.25548134	3.214268217	3.631896609
6.789221704	6.144046741	5.356129289
3.117673207	3.93582536	3.206253812
4.1236688	3.166813107	4.438352125
3.64954005	3.127678446	4.652357754
3.138428699	3.913455368	5.307349694
4.134034926	3.880338725	3.199280751
4.8527884	4.788771277	5.69805538
3.408827559	4.559805139	4.858665756
5.241307098	4.661645845	4.675081084
5.618503842	5.243661379	4.276559677
3.852798958	4.124744285	4.712898995
4.648944029	4.720007229	3.789467177
3.683082177	3.559871372	4.287126681
3.148750074	3.764698353	3.91618089
3.41461961	3.522933307	4.152138655
3.25244852	6.347415575	4.055126605
4.025729375	5.415929273	3.442316924
4.944750084	4.089586173	3.092130995
3.823349203	3.333179136	3.587303058
4.246051012	3.143112927	3.324440823
4.780445026	3.263281013	5.087953136

4.409531246	4.286898417	3.698973529
3.439162982	3.581467043	3.673460857
4.240727716	4.485506714	4.514718062
4.012327235	3.265348415	3.065920322
4.915680346	3.949035552	4.928196252
4.399807809	3.541536646	4.568416554
3.344087595	3.061278783	3.552316236
6.954685803	5.635182988	5.916643775
4.68982414	4.015951993	4.854617495
6.800318178	3.263437831	4.567961484
4.627099661	3.555972338	3.647922079
3.77888737	4.587557439	3.353813411
3.935196863	3.053603426	3.71173911
4.257482731	4.097662931	3.49998465
4.283218108	4.230233719	4.020296438
4.470520889	3.806845263	3.24133095
5.662194666	4.231480621	4.329275458
4.756927189	3.186067817	3.335688478
3.83818872	3.84312864	3.740942661
3.244464894	7.667172052	3.17612336
4.491738557	4.838518499	3.288440946
3.156701419	5.432463422	5.619693897
5.367272244	4.449385804	3.229879055
3.85305049	3.171052585	3.234803635
3.394091178	3.085882942	3.452067476
4.125504074	3.106795573	3.92051687
8.10693966	3.16960597	5.756826662
5.396298765	3.66596604	3.999821205
4.218914854	6.009931541	4.417379075
3.931593409	3.980235436	4.318871089
3.644117803	4.231805039	3.800705212
5.989032051	3.270205164	3.680267008
5.321614497	3.083356349	4.008909879
3.046612124	3.266544046	3.426614516
4.534706436	4.029637382	4.513602226
6.024658938	3.981340082	4.333886063
4.455851776	4.398295808	4.785542418
4.564918771	4.718792807	4.165181875
5.364401282	5.199726201	3.900626898
3.418959025	3.6386455	3.28917997
5.178331237	4.785033201	3.922964775
5.229280337	3.201194231	4.154889697
4.420850955	3.983184672	4.015423536
4.603431675	4.197233363	4.349611943
4.069048054	3.691540573	3.515930168
3.178982412	3.565358897	3.309293562

4.067290772	3.1494771	4.796032543
3.085858584	3.362839916	4.640935171
4.152784377	3.047274078	4.028954176
5.156529928	4.118652187	4.037957428
4.837215363	3.296083453	4.616182464
3.478120671	3.320796051	3.452320365
3.775931676	3.377368089	3.321064243
3.617630434	6.060449765	5.486970897
4.037524805	3.613134945	3.748323119
4.45410119	3.5795289	4.197064625
3.111507669	4.016160796	3.729061584
4.276171212	3.141775104	3.600280706
3.766211307	3.334264541	4.188415214
3.875113485	3.64271215	3.0358666
3.118609909	3.6316588	5.29019617
3.99776584	3.420365444	3.298446952
4.329964846	3.364068033	4.455809635
3.18455168	3.707553808	4.478038956
4.829733409	4.512048239	4.180999529
4.56354089	3.093264509	4.631021303
3.138568945	3.115070277	3.531039244
3.723424705	3.652562966	3.927282644
4.51410397	3.083753163	4.192008467
4.055596259	3.172111275	3.19577409
3.500536246	4.48799755	3.138043437
3.591646869	4.090434286	3.819110187
4.089845149	3.144119471	4.090330854
3.803929576	3.396586654	4.066881342
3.472061871	3.210608148	3.85466504
4.248499146	4.8355324	3.16829624
3.457344563	4.034879683	3.900816097
4.919703454	4.879052779	4.065746993
4.390933135	3.357185167	3.155498591
4.353907985	3.782845133	3.207071695
3.741791183	3.969659605	3.349552886
3.66730233	3.626492862	3.817642243
3.866325686	4.193761534	4.725732386
3.008442914	4.332559426	4.506893383
3.750911746	3.022011555	3.560468932
3.34795613	4.91298606	4.407936593
5.480211122	4.995416976	5.176490657
4.496871625	4.012621418	3.665192958
3.885238034	3.291904165	3.30989373
4.479158295	3.162801268	3.777494557
4.350002991	3.012937118	4.449453117
3.98871661	3.404429254	3.022370749

4.765362335	4.155967381	3.288203166
3.773389283	3.924455228	3.768529472
4.851623747	4.717667276	4.135148513
3.970390394	4.781635822	4.513358512
4.790605272	3.775611156	4.080945438
3.943231472	3.37165999	3.037644835
3.901712675	3.569091841	4.30638041
3.842140885	3.153771544	3.574830249
3.649273888	3.553934707	3.102067921
3.613824015	3.220683607	3.877536412
4.742183336	3.663533951	3.736042823
4.000564369	3.22444801	3.146817027
5.378857766	3.858649839	4.983321698
4.54723052	3.954471218	3.975564806
4.707659387	3.039098055	4.025352741
4.804794083	3.038651782	3.501811453
4.104854746	3.126527052	3.354825129
5.291818129	3.590968914	5.464306739
4.103749318	3.232373153	3.410974236
3.117418715	5.805766114	7.470336466
3.796939208	3.960293598	4.079874494
4.900161461	4.628455343	5.077766549
4.424166351	4.536785981	3.928661264
3.830493274	4.060627684	4.128435458
5.458204393	3.048066726	5.088378358
3.626222371	3.530987477	3.701755463
3.811722647	3.266892513	3.381286817
4.930727947	6.27449549	4.516618985
5.127056762	5.110539167	5.474069898
3.32232611	3.70736914	3.080112493
3.134391908	3.838889634	5.224312117
4.407245082	3.006269016	3.855531139
3.558970904	3.333993088	3.707746307
3.352216485	4.379875086	5.416406881
5.951529106	3.166006911	9.545347355
5.781106786	4.677441048	5.328623171
6.719268	5.711643172	3.134128928
4.435650878	3.052729706	3.889663423
3.816509023	3.764832555	3.415537473
4.081943241	2.99085208	4.724882913
3.19166848	3.168692342	3.506204845
3.117688047	3.394481078	3.592889763
4.447548009	2.969620009	3.386479965
3.362512908	3.776157893	4.28040187
4.190102404	2.995720532	4.203806993
3.055878065	3.268253462	3.214565368

4.632942818	4.404093075	3.267519009
3.76017938	3.451191268	5.735783529
5.104626232	3.711672757	4.863068667
4.930609045	3.139298369	4.499761915
3.474227686	5.648626595	4.328087473
3.225452269	3.679060941	3.624600674
2.988002514	3.63343435	3.707883144
5.08865262	3.115632298	5.009053114
4.326702759	3.104456809	3.303902953
3.611702565	4.311922198	3.204139409
4.656643873	4.364702343	5.137986099
4.70574168	3.356733938	3.868576117
5.356258286	4.286111242	4.856646226
6.014668999	4.080602031	3.045352884
4.027466795	3.197036915	3.342893823
4.038289824	3.054653554	4.225884527
4.772568741	3.497595545	3.238763429
5.944948294	3.073214733	4.868420322
3.699147783	3.723650239	4.015823592
3.379681167	3.839658869	4.267831863
3.50988637	3.368109344	4.336539774
5.123561943	3.052927241	5.076131505
3.234616112	3.085613834	3.386046555
3.841465749	3.685862979	4.714528706
4.268841037	3.241772348	3.570219504
3.767149375	3.931908849	3.457501011
3.399108633	2.995476717	3.587633266
6.304066096	4.23084559	5.70298272
3.919213901	3.640550358	3.929647219
4.394609355	4.767369054	4.391284792
3.778237807	4.452435415	5.501013729
5.558932891	5.750684099	3.670389978
4.272796877	2.981284218	4.185831507
5.664688051	5.095682299	5.30934917
3.312835644	3.851003272	2.987292417
3.43136272	3.31719927	3.069359574
3.937786684	3.499296044	3.576418081
3.299548233	5.371499051	3.033095266
3.685243393	3.407613199	4.057507476
3.165518182	4.018175023	3.289916858
4.303846968	3.117420571	3.549610775
5.53021178	3.379823139	3.433155079
4.59302926	3.434709207	7.487942323
3.485587054	3.944371268	4.128558218
4.222115375	3.768223316	3.471382918
3.94146625	2.967858301	4.27025387

3.252891065	4.346445853	4.323977476
3.19512853	3.126691737	3.404220706
3.459957229	3.121256508	3.375312623
3.919081772	3.909539935	3.062571488
3.745549005	3.035864979	4.35905168
3.617623887	3.494466649	3.173568871
4.048223857	5.200430344	4.665935185
4.413779648	3.851998451	3.898844548
3.748017474	3.652342068	5.158404773
4.429854254	3.981746394	4.031871254
2.93529206	3.189396138	3.736338788
4.024522869	4.916165426	5.356418022
4.195175466	3.710153117	3.950632622
3.812452875	3.080089354	3.245911842
5.052041835	3.795627306	4.389196803
3.586806602	3.23971155	3.209191856
3.350541289	4.028900187	4.178720671
3.01016725	3.848198347	3.07496981
4.855792663	3.368099833	4.845088239
4.556982578	3.092116645	3.68382444
3.096640398	3.607622161	3.393093873
4.218864968	4.811044716	3.693158676
4.019305393	3.491973158	3.724920718
3.793874611	3.048802011	3.264021408
3.749143523	3.088157697	6.044360591
2.997020534	4.096620171	3.429213232
3.958088773	3.032971819	5.918918535
4.090522705	3.767562121	4.095777238
3.927602895	4.059803101	3.334352303
4.107753612	3.083167535	3.461052731
4.100234414	3.013651322	3.658964234
3.574091807	4.380982615	2.983321078
3.936128155	3.859220036	3.284660108
4.239410954	2.99232086	4.119963799
3.362120192	3.50769534	3.631965159
3.217996226	2.986259235	4.812383511
3.877360752	3.679169649	4.11610057
3.355480891	3.661508595	3.023227018
3.030510073	4.772270119	5.654711003
3.750385927	3.996664741	3.501750623
3.556251564	3.808870036	3.551874924
3.266758674	3.244736498	3.544227155
4.414160667	3.471721009	4.331361589
4.35729756	3.868606267	4.014046432
4.083915787	3.5080282	3.751877431
3.938581048	3.40271811	3.289046826

3.957638838	3.01790647	4.202242176
3.88411986	5.748594053	3.514464458
7.069318898	3.036934627	3.649556584
4.206105134	3.109954392	3.966259469
4.232150168	3.351890376	3.467996754
3.083555812	4.078649245	3.697619764
5.590833907	2.993525213	4.925251076
4.195092994	3.588428515	3.22673022
3.507146716	3.431382801	3.380918692
3.545451707	3.023591375	3.941954389
3.393758181	3.192687737	3.208854193
4.199349414	3.847793945	4.615145809
5.378842228	5.22613471	3.027217777
3.459857269	3.108070959	3.339256302
3.959295004	2.92381796	3.399753947
3.880791633	5.170161127	4.844079427
3.869975373	4.019770134	2.958037144
3.653444333	3.414012779	3.27824469
4.386873248	3.818077011	3.047990742
7.619648143	3.119445727	5.558959403
3.259222669	4.212924985	3.607194341
5.341099601	4.794328098	4.313513992
3.178112707	3.648142744	3.449414316
4.449560671	2.977412558	3.090802287
4.651420634	4.704508553	4.02019293
5.431579016	4.40125799	3.863503966
4.28668877	4.294070563	4.37611501
4.445994658	3.748426246	3.368512056
3.6311405	3.144851075	3.490876335
3.363111179	3.529507477	3.847448065
5.017699637	3.039688458	3.22247303
3.046250141	4.570949224	4.918097458
5.083252515	3.756135779	3.998753462
4.006227766	4.157335343	4.015559167
4.543304662	3.281531312	4.160937463
4.157567334	3.284298637	4.733013662
3.265000592	3.16569029	4.4251938
3.41484745	3.418131057	3.704060356
3.774058966	3.055309301	3.342432999
4.831026983	3.637359464	3.454776663
4.861825046	3.104876288	4.400089626
3.445114443	4.138720086	3.398235359
4.629168139	3.685990267	4.07845614
4.296567406	4.474363811	8.124360199
4.667781579	4.512202554	5.140971593
4.875273892	4.100496598	4.337664162

5.483464629	3.802635337	2.96054062
4.282544162	3.350343417	4.464212726
3.808270112	3.324994805	3.22640609
4.739398098	4.695059966	3.028475051
4.804403355	3.06440463	3.991316725
4.480587703	2.940877039	4.593671845
4.436676768	2.954444799	8.244195081
5.115928146	3.187990776	3.13615176
3.255062198	3.054310803	3.8389942
2.982047601	3.29787348	4.117763346
4.358183119	2.933471043	3.636266526
3.006587867	3.40185368	3.256505075
3.969471687	4.462160737	4.367132377
3.931886561	3.102607639	3.941032111
4.880342619	5.187782395	3.675282967
4.00129346	3.614896638	3.221536156
3.61000876	4.000644884	3.618879121
4.217298313	4.283382994	3.386800696
4.383420584	2.925735719	4.065437213
3.687473712	3.314370153	4.944718628
4.410565982	4.209898927	3.864082918
3.87070369	3.118413039	3.86438556
4.233994668	3.40814088	4.632267469
3.83185071	2.932075889	4.265901753
4.687603686	3.068294703	3.827265852
2.929171201	5.14209615	5.511181077
3.640426324	3.58959631	3.473257186
5.194725284	5.062281213	3.070379869
3.597815992	2.938939778	3.22789471
5.060900389	3.209067078	5.066865229
4.904399812	3.028975723	4.313138791
4.306309555	2.986274728	4.389787558
3.964977786	3.687377967	3.266237976
5.128279285	4.095000873	4.788867971
4.072130653	3.255674771	3.317314688
5.045924528	4.164833564	3.97681319
3.341483901	3.412503028	3.263952536
5.46755045	3.103624768	3.681176037
3.130223945	3.807447005	3.843076641
3.976484996	4.07187191	3.055822257
4.583251724	3.181061972	4.164852438
3.160751915	2.986262364	4.199732368
3.44491578	3.330455648	2.893291315
4.218842434	3.08098481	5.293005936
2.875400112	5.236220381	5.146336775
4.91185928	3.079928176	3.941604516

3.757469651	3.015484675	5.272845562
4.301711239	3.079534577	3.240677071
4.201153638	3.043801526	4.37106877
4.52476476	4.215201647	4.309591265
4.31279666	3.530401113	4.180392681
2.973748001	3.395827268	3.599396716
3.898068318	4.158099619	2.997470036
4.216663081	2.948395853	4.232176888
3.096427091	4.174438088	3.284043669
4.147630444	4.314990792	5.170039719
4.395078338	4.090173625	3.723802996
3.066045444	3.51119529	3.733398197
3.893240284	3.738854485	3.986838875
3.731652513	6.473470479	6.19033504
3.965887948	3.762697553	3.912639486
5.141624878	3.089606966	3.561308568
3.463324392	4.19393442	3.455308694
3.892308624	2.939144482	4.925937994
3.850477079	3.632248846	3.154172072
3.614033721	4.319972082	7.118225579
5.054754917	7.134237285	6.230557398
3.245589582	3.752745569	3.789263044
3.616911313	2.962548354	3.847172077
5.566197956	5.332481375	5.176444679
4.885107081	4.713640835	5.514432449
4.050397026	3.037390615	3.350399495
4.482302861	2.971651019	3.738539411
3.624292068	3.235111512	3.332428568
4.710574813	4.209348275	4.463666758
3.528156507	3.793776696	3.190945546
4.152463132	2.966857617	4.030651992
2.9131081	3.395414456	5.006844063
3.900256745	3.534306793	3.412423373
4.295274393	2.865526589	3.433433499
4.257764621	5.590048973	3.153266217
4.28215734	3.544823942	4.979832101
3.596795164	3.182033173	3.088169624
4.445849353	3.187300904	3.696496656
4.283333152	3.791135649	3.265113518
4.597364485	4.613389193	3.203665893
4.345580057	3.569465964	3.668739368
3.105406683	3.978776356	3.750564349
3.978170803	4.3906722	3.680564702
6.233504684	5.253790163	3.306017478
4.41281502	3.388677991	4.02379447
3.209316158	3.124379419	2.914786817

3.514648468	3.588018672	3.518992089
4.746398759	4.474481706	4.385898669
3.363854137	3.10974522	3.213624977
3.176622274	3.059356075	3.81922113
3.787143649	3.915027805	3.519690448
4.766105673	3.536094842	3.742698556
3.776754762	4.223442837	3.527180639
3.892536141	3.143866495	3.573646591
4.87987867	3.361153243	3.09232013
3.87155039	3.034016985	3.425170007
5.508646708	3.134833566	4.638940948
5.263439822	4.872898928	4.814792851
4.221293925	2.877368297	4.634573145
4.23707709	3.286874536	5.185787102
4.674950072	3.849575713	3.774671734
4.086414245	3.389160707	4.131607067
3.051654857	3.478479233	3.843165103
7.730455023	3.472732147	10.74208978
3.29226383	3.168392005	3.530451914
4.357805739	3.076457247	4.447765604
8.023545165	4.416152771	7.825487871
2.970283418	3.965600551	3.266168634
3.053853407	3.207978094	2.925929887
3.877650125	3.406918835	3.720592699
3.608409119	4.819331791	3.252260946
3.131105031	3.042990497	3.392203931
4.405418043	3.699566401	4.245480065
3.613804918	3.168938592	3.012695019
4.34772742	3.463820188	2.857615219
4.226462813	2.973898524	4.134616011
2.886574914	3.351554203	2.974365641
3.65579376	3.621615323	3.638684498
3.898074979	4.876142612	3.495780231
5.874535567	5.445407588	3.280057666
4.275037983	2.866714574	6.235858144
3.754573868	4.152622448	3.181607094
3.417287271	2.837163684	3.608931844
3.981754543	3.21901947	3.44892747
4.718840607	2.873140212	3.567691504
3.782554313	2.856886689	3.56117693
2.906230113	3.846918208	4.19410324
8.958200849	3.058834215	4.033973205
3.712926376	4.107512682	4.822846832
4.322615199	3.045566068	4.640709774
5.191909896	3.369697753	3.283319513
4.545602357	3.241079458	3.183092212

3.718503405	3.316890856	4.451926182
3.010537926	3.449060322	3.180699059
2.93904689	4.00449457	3.142273721
4.877066857	3.78141683	3.890992402
3.431074774	3.536774514	3.753836632
3.993096696	3.143577225	4.379425265
2.955420428	4.983636988	4.084998646
3.698204339	3.380464774	3.115228824
4.986624856	4.031912697	3.763362268
4.652498745	3.123121185	4.065626499
4.999703916	3.300529368	2.88523442
3.758456608	3.732720418	3.733494659
3.650449711	3.91411125	3.733318296
3.620114281	2.991975072	4.745042578
4.284197496	3.1688805	3.278591886
3.74944058	4.218888539	2.887296914
6.148885118	3.160540272	4.609957053
5.167181552	5.229536895	4.892911843
4.795919552	4.346260117	3.98407621
4.36342389	4.059544242	3.425014544
5.227168985	2.971530819	4.848208907
4.261492728	3.289570541	5.129686926
3.047918941	3.51422061	4.547508199
4.600919958	7.874108494	4.587285552
4.196637127	2.898944899	3.013869288
4.157412719	3.898131762	2.901452377
3.407214026	4.030601982	2.884999119
5.471309461	3.646621976	4.09912611
3.182582157	3.696609969	4.365922022
4.259455102	6.876231849	2.856653684
3.150334804	3.007459948	3.470110013
3.931854208	3.567382427	4.494894588
4.612532612	3.691813114	2.920100026
3.657550581	3.832620096	3.893078745
3.120160149	3.853030073	3.58939217
3.18945233	3.915379171	2.966325426
3.821695794	3.684941799	3.00458407
4.077884326	2.956473627	4.492408611
4.317815471	3.989069751	3.968361621
4.131475189	3.443042283	5.13141682
4.871646607	4.30953007	3.402596494
4.472861767	3.294855382	4.680804333
3.878014157	3.377026645	3.90077606
4.54708114	2.964648109	4.201052809
4.562618882	3.690838191	3.285703399
2.843857572	3.271746442	3.380325637

3.653237442	3.454705324	2.839020477
4.555414539	4.332418246	3.366641217
3.275800284	3.33448547	3.660963771
3.370582619	3.873085449	3.992739839
3.310593217	3.95227577	3.873878058
3.774499539	3.035919453	5.046819699
3.405264891	3.079634599	3.390506677
2.776819879	3.437509843	3.74062905
3.185570044	2.792538715	3.19604852
3.843679193	3.551053474	3.716065854
5.500028031	3.528439639	4.527312965
3.110086333	3.098173227	2.856706203
3.130570899	2.947955297	3.095956345
4.601792953	3.750472737	4.790912826
6.716982624	3.521841993	3.490133285
4.487932133	3.049336231	3.896611063
3.678953329	2.897002466	4.724972367
4.323547663	4.006721361	5.084688239
3.659795308	3.30166108	3.785971044
3.395250737	3.360221113	3.251865087
5.400611412	4.105699959	3.557995683
3.775049674	3.025204918	3.630955387
4.382701745	5.261408985	4.718173724
4.210815278	3.040483927	3.20980446
5.068749015	4.151309316	4.043098697
3.565608705	3.875775211	3.764055632
3.379729181	3.95913498	3.191141531
4.47880197	2.813678791	3.070385797
2.807787365	3.42425993	3.553771734
4.798844941	3.876072596	4.81283606
3.691791699	2.906214658	4.542461025
3.290176861	2.878508234	3.535827162
4.74896974	3.4719064	2.964865422
4.110144358	3.298240261	2.885634261
5.165682129	3.239805	6.884530877
3.696139525	3.072988471	3.816968486
4.154445769	4.440547137	4.984501613
4.364829105	2.80838269	3.128688069
3.811361169	4.223791532	4.163160495
3.777650421	3.810052597	3.627084636
4.196114391	3.099191012	2.999652055
5.459198389	4.973974248	2.787912946
4.678321402	4.203860284	4.034901022
3.63603452	3.658631108	4.166825312
4.699148004	2.821835257	3.75613791
3.328954477	4.231173361	3.407320741

4.579235393	2.904316474	3.878742511
4.067673765	3.352716036	4.026309557
4.695228467	2.800735011	4.538790225
4.854509268	3.757317106	3.467167344
3.461238863	3.394123712	4.274537116
5.992191953	3.990737133	4.860112512
2.952128019	2.976460435	3.390213077
4.057368832	2.824249274	2.971141425
2.848446027	3.697465059	3.070350555
3.74096568	3.07727803	3.904493797
4.419200186	3.317711626	3.10638717
3.554220495	3.887313283	4.31828363
3.582469044	2.914398676	4.393383954
3.528956108	3.079833864	2.854903637
3.605392445	3.113084528	4.179550619
3.373873213	3.598780552	3.307402744
4.277038279	2.785660625	4.014848552
2.815105354	3.822233413	4.180034535
3.491918008	3.093437795	3.323991599
3.387760508	5.034808888	4.606181792
2.775616936	3.194483914	3.745712646
2.780106765	2.910724319	3.232511188
4.480408174	3.517868832	4.249879634
3.536345839	3.38281734	3.180735629
4.354103242	2.771806721	5.001818323
4.074595588	2.863784543	3.434936972
2.873520414	3.125377378	4.705519467
3.190463082	2.947456707	3.022570426
7.70465103	5.319385593	6.245482782
5.009782559	2.835403908	2.915444376
4.567856382	2.861552122	3.486310429
2.771792904	4.086303972	3.483217081
3.674007997	3.772700354	2.931705187
2.803678806	4.818446312	5.012319321
3.284616151	3.113751329	3.029632719
3.913215633	2.97899416	4.369011597
3.195260681	4.544598428	4.316013853
3.54068203	3.911977346	3.317215404
3.341664858	2.812909059	5.33482307
4.826183164	3.855833359	2.809056852
2.786296056	3.048760472	2.937451387
3.053240897	3.062845677	3.25020367
4.487642398	4.12775506	3.059849087
4.170386478	3.340953108	3.524594669
3.590954247	3.49097823	3.274309006
3.836139449	2.863503634	3.771989652

3.762113427	3.40195791	2.974289746
3.708845158	3.509341473	3.712751238
5.338371694	4.769563778	2.859206612
3.804447551	2.862684763	3.857964187
3.255408849	3.516467748	3.16826283
4.238813249	3.709374211	4.194794953
3.299782985	3.026727424	3.922498897
3.645746902	3.836093407	3.197397478
4.058743899	4.106359518	4.064596857
3.353585405	4.650472079	5.084408651
4.109606352	2.935609712	3.183697113
3.689691962	3.072652232	4.021194131
3.903245539	2.804107706	4.458758007
6.042683936	6.220917443	4.411659415
4.7286907	3.387709724	3.93116759
3.422554009	2.86549295	3.42176133
3.063352834	3.698280564	3.093923732
3.557508385	4.174053269	3.192753904
6.019734694	5.584186341	3.114049208
3.030918615	2.926777166	3.318147839
4.104757033	3.079335869	3.91635065
4.162210342	4.840707393	4.741050689
3.526145312	3.674453388	2.91328218
3.674750617	3.851001041	3.939244725
5.184849032	4.076955749	2.866948354
4.101603188	2.776867209	3.624306032
2.94958523	2.951013743	3.301383085
3.808718154	4.134555393	4.027234813
3.084569568	2.997506487	4.404281619
7.594443812	4.301331579	3.814491424
3.389746784	3.241193209	3.344674051
6.674515755	2.805313868	6.819447938
3.018610624	3.030527417	4.755529725
5.730331284	3.523499376	3.207490796
3.209979699	2.83500899	4.078649315
3.250721169	3.747494282	3.230000865
3.470988756	3.481074312	2.767546518
2.902398999	3.504162837	3.012561754
4.262032442	3.125038227	4.084852542
5.311561061	5.00752555	4.913521429
4.774570146	3.826617219	2.88850039
3.983648392	2.713685179	3.313811156
3.297131643	3.718745493	3.45140749
2.817275604	7.329067271	6.24967072
4.035946827	4.303682482	5.901752827
3.236204808	2.777010491	4.581856626

4.442491994	2.785977533	3.586888676
3.134547844	4.271211105	3.404835585
3.765650564	4.251456573	3.500076251
3.48893099	2.967062093	2.761479238
5.206768116	4.040249734	4.808134872
3.362163819	4.290312357	2.852764409
3.785571004	3.907728214	4.152692308
5.413268074	3.389727999	3.212761717
4.263231411	2.861208079	4.14215733
7.519267773	2.88597275	8.18691005
3.492770551	3.552155689	3.234753399
2.942837831	3.436287499	3.194845158
4.605306966	3.35775045	5.300533652
3.925845317	3.888547045	2.926150635
3.087061896	2.772251138	3.588500832
3.822730307	3.117701486	3.956446965
3.453722663	3.24991587	3.128030186
4.087022512	2.780085846	3.079852107
5.225534105	4.005030575	2.801212213
4.57005598	3.837890595	3.405285433
3.185771143	3.003044597	3.014392135
4.786774692	3.742909693	3.830371329
3.551032781	3.715070099	3.040871952
3.237059327	2.960836237	3.581191905
4.015332152	2.893665451	2.851524013
3.114623775	3.702292936	2.912908639
2.795159358	3.588222639	4.171511032
4.265173206	4.170792274	3.775903929
4.436851547	4.092083843	4.776560489
5.693750295	2.88654674	5.783939134
4.219107023	2.848740488	3.986370167
3.80651149	5.066671945	4.175890815
2.905783938	3.919182543	3.191377279
3.964978213	3.205904192	4.502798227
4.128489974	2.988709442	4.274489367
6.025726345	3.308123842	2.745055178
3.178143713	2.932687356	3.5743903
3.010646685	3.039580406	3.030600837
4.619056084	4.857230433	4.490843886
4.026929457	3.443888084	4.109434356
3.959617142	2.948515273	3.651108085
4.656319605	2.738775354	4.365055615
3.705009202	3.085360665	3.310002848
3.857717343	2.904754636	3.408927918
4.169934434	2.890596716	4.468746797
4.289529347	4.624823211	2.949275482

3.36016915	2.789226334	3.343291292
4.303122162	5.148371736	3.799354816
3.720048855	2.846402315	4.031527944
3.879431504	4.279952044	4.195639174
4.13102343	3.363945544	3.310262508
3.867932854	3.379277891	2.947973294
3.036758877	3.489259426	3.256064511
3.673933921	2.912709909	2.899508879
6.725531588	3.757966312	3.091971969
3.708547316	4.675685206	4.223296226
3.117111757	3.347960117	2.730580443
2.72632254	3.313139393	2.879491044
4.743274672	4.70479126	2.765601516
3.58361006	2.783309855	3.482703617
4.11618523	3.614014723	4.530134015
4.107622449	2.735173944	3.865437991
3.769144822	3.506240499	4.12168843
2.802672529	3.412396899	3.743745362
3.477771808	3.209281322	4.09033611
4.220342898	4.904454598	3.274986553
4.933176812	6.599038461	4.407797256
3.775780117	3.223338109	2.902893724
3.260012605	3.423039199	3.50671926
2.797019272	2.81318811	5.864502062
3.700242998	2.928994561	3.682562853
4.355260279	2.682026419	4.632701916
2.888378488	2.991134041	2.78928605
3.958228632	3.213773606	3.158530737
5.047462763	3.21246405	3.55169288
3.819865525	3.577853992	2.772799446
3.364587102	3.50751655	3.091256969
3.205118263	2.855273227	3.923621147
5.576590353	3.195896129	2.865766091
4.606661441	6.201153639	3.716976454
4.251724372	3.661084756	4.13536345
3.408764333	3.74594587	3.27450442
2.804348347	4.519169246	3.556529827
4.039560323	2.895865836	3.41298581
3.699977175	4.274588222	4.126796772
4.341911967	3.599681521	3.674291968
3.783156689	4.203817855	3.809079488
4.943374065	4.183626056	4.432104422
4.889484546	5.093779836	4.461660938
2.861899827	5.335255544	4.245440526
4.505779842	2.698438094	4.937619104
3.717904415	2.792916854	4.338988406

2.949016731	2.875254239	3.178467499
4.122568183	4.076326648	2.680376553
4.68667565	4.172264742	3.848431971
3.759933129	4.132496325	2.935638381
3.926210539	4.612537258	2.791881705
3.115521027	3.147199815	2.936710706
3.675202428	4.068266959	3.368480533
2.714803365	3.69332011	4.396803797
4.562291073	2.871055557	4.098043497
2.834666449	3.409637395	3.725677699
3.695482909	2.83681756	3.250403984
3.3309604	3.001372478	2.864910128
4.563436545	2.711642494	3.445304592
4.00965078	2.797367024	3.672774097
3.485971438	3.1377059	3.126072793
3.63579866	3.13323101	2.651463585
3.219291129	2.685321412	3.900163939
4.145264068	3.068441412	2.663788321
4.013103114	3.008231477	6.411014367
3.554772901	3.82343024	3.85171748
4.4332593	3.061512207	3.754376852
4.107190734	3.143061042	3.163853544
3.083409572	3.3021199	4.928948192
5.772799282	4.319159548	4.346207932
3.223334388	3.982126975	3.748329915
4.094948022	2.689316623	3.927624278
4.76607022	3.83046726	4.979856231
3.118817047	2.986880828	2.658363574
5.464871083	4.71381961	5.96243802
3.39435197	3.861700802	4.574097521
3.28089664	3.261080249	3.491261222
3.206592551	4.276298828	2.699821612
3.426714081	3.033830918	2.874552707
3.779058725	4.408378605	4.442617284
3.01012492	2.915740697	2.758827402
4.211465922	3.021282272	3.863045857
5.272517052	4.043170239	4.801169046
2.755540568	4.94511332	3.936541557
3.42671062	3.000294886	3.520765788
4.133751257	3.964733006	3.220904546
3.908050187	3.124139314	3.753699684
3.203003145	3.953341452	4.137239067
4.472866111	4.002715415	4.475650038
5.388980239	3.455169933	4.956455127
3.85235642	2.86532225	3.146231468
2.636202938	4.332214599	4.071449849

2.766950818	5.016543198	3.915448372
4.171065489	3.842329747	3.019706008
3.60356502	2.899005147	3.621057324
3.847668256	2.815016537	3.029071222
3.123713422	6.506898867	4.177069088
4.715932048	3.004041911	2.746123571
2.920441136	4.435578927	4.26234968
3.897533261	3.254364701	2.723703341
2.687169484	4.509638705	5.232907242
4.061819713	2.780464755	3.387481397
4.506387222	2.671861188	4.732793838
2.682182736	6.715086661	4.412153188
3.882365976	3.833631675	2.920978906
3.186337495	2.664572319	3.240767817
4.055004456	3.546867098	2.659491685
3.118231925	2.770234892	3.815925992
3.554782658	2.954742947	3.92283517
2.66251196	3.528698924	3.978926227
3.647557461	4.224971232	4.231194206
3.748243774	3.783509992	3.705195839
3.122131214	2.922916066	3.259256634
4.470519389	3.519018393	4.449478334
7.929208769	3.65852558	2.911897743
4.000976646	3.221336934	4.721663812
4.767296455	4.502872866	4.12348888
5.042335687	3.266930371	4.213663971
4.237373528	4.894585773	4.225967442
2.82692485	4.111623034	3.58079431
2.762288132	3.724238593	3.624496912
2.8031399	2.95829285	3.883534513
5.478652755	3.997052496	5.279108891
3.612451924	3.502435097	3.630480159
3.212670295	3.806839135	4.333873847
3.673523922	2.996301876	2.831166373
2.923732496	4.328987753	2.947199106
2.627061933	2.954680231	3.310991265
3.787309251	3.500831723	3.448121211
4.17834694	4.178433593	5.200462339
3.942171287	4.9348538	3.511771344
3.913854385	3.365601641	2.912200464
3.851717773	3.027144194	3.392274639
3.939357301	3.117340332	2.890426911
3.406955502	4.034862947	2.591776882
2.787176021	2.831381178	3.460234623
2.944668653	5.488304729	5.798420713
2.944098973	3.745800464	3.040948098

2.647670388	3.117790792	2.993790946
5.215380307	2.859987405	3.604465992
3.588650297	2.633391161	3.752236476
5.544433475	5.132582099	5.462110265
4.027251122	3.865732867	3.407862447
2.712120297	3.619432849	2.711567905
4.171892593	3.911115447	4.002181004
2.791993847	3.33743863	4.333941106
4.786385463	3.675470273	4.00771362
7.484338872	4.680913471	5.970735836
4.824598653	3.85230419	4.49757747
5.331392212	4.174935	5.921091647
3.299822424	2.795720216	3.734385113
3.055402945	3.105089671	3.467984547
3.8923031	3.805391895	3.660452737
3.536687853	2.664468159	3.202697637
4.573131734	3.085877982	2.699961584
4.245775134	2.780161636	3.849051029
3.267679028	2.66481267	3.071972
3.779447485	3.471735509	3.379819435
4.591947276	5.010497157	4.210618353
4.483994248	2.591049623	3.488844549
2.613511919	3.371708425	5.130763087
5.81581603	2.963143686	4.499024741
3.511250915	2.58347105	2.990366941
3.427295951	2.617706274	3.184000233
3.916753292	2.681270851	3.428709504
3.211992476	2.786986731	2.695441986
4.098951956	3.76146154	3.984257699
4.281768388	2.586687854	3.991920557
4.705887601	4.017561688	4.386882646
3.671067195	2.867830763	3.314175741
4.068907628	3.222263428	3.770806522
2.740342155	3.362069388	4.757065289
3.702528101	2.699470335	4.846996662
4.595709553	3.855760866	3.957808659
4.302860933	3.474135448	4.295365389
2.895548106	3.421098557	4.064119436
4.123087279	2.61678745	3.464449489
2.96482142	2.883909874	3.817775083
3.59109349	2.606798971	3.591841597
5.316985756	2.633045142	3.461231592
3.871355963	3.2063156	2.976537681
4.130041683	5.270813132	3.884637443
4.724749203	2.743077636	8.102261892
2.96845869	3.136057844	2.792768526

2.70385738	4.3264106	6.037702352
3.960465676	2.662973073	3.159095345
4.46475947	4.576972312	4.677537768
3.331424421	2.964901532	2.864680967
2.987349155	4.581120012	5.494819897
2.605785301	3.413450496	3.547534071
3.305189371	3.012594418	2.726785579
3.563982876	2.770486184	3.919009935
3.320114754	2.695568322	3.893906509
4.455487102	2.600271768	4.583954786
2.818870486	3.79894685	3.868764601
3.35904719	2.80045826	3.454280054
2.798843774	2.971975759	2.616195955
3.355328431	3.40044374	3.042190134
4.573468354	2.651923387	3.635991146
3.517272991	3.597585443	3.989002156
4.204475812	3.780694601	2.872576074
3.417954374	2.632251498	3.995408622
3.334587437	2.772750332	3.476974654
3.539122778	3.434109754	2.642103879
3.881696021	2.593030683	3.461607747
3.407299226	3.79512408	2.828692058
3.855860894	3.222967491	4.875590247
3.33635456	2.585071389	3.668395324
4.485001325	2.631117116	4.004767635
3.86078208	3.984261647	2.879606548
3.779148806	3.640399318	4.565475752
5.230158581	2.887134928	4.317638957
2.846807438	3.143106084	2.638456207
3.013913039	3.582162542	2.623062074
5.268753028	3.850226749	2.953901207
2.772913377	3.837529111	4.02500292
3.469101947	4.355865689	3.930807767
2.631157611	3.415565167	3.807864923
3.89958132	3.22707617	2.578090736
3.181307868	2.893859062	3.049842769
3.572003716	3.458965407	3.265828968
4.821839884	2.952187965	3.260394258
3.172429448	3.484389733	3.364505327
2.952160537	2.669488921	2.630232894
2.995621871	3.079364054	3.19756589
4.085993939	3.195986448	2.974195923
4.172256388	4.564256149	4.869974076
3.315638816	2.914858794	3.799760657
3.548568365	3.985285902	4.248668976
3.4211332	2.902157393	4.127308009

3.924043384	3.047842644	3.517889439
5.650366778	3.597253934	3.64124754
2.971200982	7.8294043	7.77288256
2.919930913	2.654096741	2.756910748
4.203185891	3.491466434	2.621980558
2.717610069	3.035149672	4.118570893
5.533537527	6.044137943	5.597992859
2.566880939	4.130157762	4.756927432
7.257118299	3.811301846	2.703507583
2.727241765	3.700223937	3.196827114
3.500780897	2.773654621	2.639958673
4.150613907	2.543330384	4.420107261
2.613458246	3.606024006	4.252587289
3.45185948	2.892510996	3.393003106
6.107896214	2.807867025	2.657701307
3.416998925	2.618219269	4.181162346
4.477025289	2.760399488	3.892783142
3.181253581	2.564682473	4.094450287
3.852882499	4.220338063	2.90956395
3.624709179	2.844289855	2.859122935
4.732821679	2.908273699	3.301103268
5.324529112	2.768161373	3.36521046
2.777773788	4.251622094	2.961261089
2.72439747	3.492161937	3.71258647
3.733021759	2.903160501	3.413088073
4.072059754	4.649414434	2.554049505
3.480580618	4.080276173	4.113524203
3.904221539	4.707047328	3.353022902
3.413270706	4.657753784	3.628383015
5.133232623	3.364864603	3.260357738
3.852498989	4.432674146	2.709321821
2.857768942	3.597182373	5.388232344
2.558742663	3.85125634	4.602209367
2.787548229	2.70197518	4.403478567
2.729741967	3.297682792	2.631393052
4.516393262	2.799522663	4.319714095
2.948303048	3.039080087	4.702194857
2.928257288	3.719467047	3.463475504
3.347008675	2.85951822	3.373310913
4.05470783	2.908391572	2.837117258
4.315841041	3.692171769	3.418299025
3.823530475	2.762591674	3.484681562
4.662004103	5.327429045	2.58309131
4.356499233	2.724399283	6.063333272
4.791199431	2.549059934	2.707505172
2.674212467	2.555387456	2.971569242

3.281517825	2.882100492	4.051445536
3.813423654	3.028223014	3.173033638
4.705066841	3.893328084	4.349970497
3.570748046	3.12020714	4.496876875
3.998018701	3.823368135	4.482188436
4.6912327	4.202590038	4.036586313
4.588137756	3.854353042	4.170912294
3.473492247	2.797593825	4.500318027
3.026215289	2.896090341	2.710033729
2.624501115	2.853153071	3.864914399
4.271377044	2.668222065	2.984085536
4.935495674	2.751144592	2.747257166
2.945974525	3.147388658	3.303892905
3.957936001	3.251073062	4.250381227
3.450444405	2.605958763	5.286884972
2.967947759	4.00177964	5.08784247
3.855893254	3.535850578	2.845239622
3.57644173	3.122911417	2.827168667
4.398246895	4.611680092	4.650236013
5.454625152	3.021308782	3.240703425
3.147647655	4.519163019	5.414744813
2.633980699	3.178492559	4.11491024
3.867769357	3.534806981	2.638468112
4.353929617	3.244437168	2.907403978
3.128625128	2.939341409	2.71868434
4.963445635	4.930903183	5.853105209
4.167669488	3.500143107	2.558774781
6.039974365	4.365277189	3.070439875
3.316062762	4.033605276	3.292584777
4.567907511	4.221822476	3.735333015
3.563837704	4.304591298	3.33133337
2.761933386	3.015961252	4.435140411
4.608722964	2.516222167	3.463043033
7.027204284	7.632217116	2.601408937
3.461228245	2.59568476	4.427415284
4.1815173	3.06512199	3.743603709
4.857840785	3.395185092	2.796111298
4.09465489	3.713943789	2.717853851
3.889881947	3.128129986	4.023260951
3.517802881	3.506560839	2.959151608
3.331210928	3.058966525	3.497551016
3.660782077	3.278608515	3.55602803
3.314567184	3.078055153	2.490675013
2.654189311	4.700518913	5.123012624
3.491997469	2.53451412	3.37101215
2.925179931	4.743422788	4.509057215

3.904440878	2.776200128	4.335845413
3.486168677	3.068238222	3.051540704
3.358073583	2.679372215	4.511575642
3.716050401	2.718570943	2.992658693
2.706089613	2.958022651	4.072927259
3.526571426	3.311440856	3.545951267
2.556546729	2.5400066	2.608678819
2.591163041	4.296406331	4.427607244
4.586777154	3.096129221	3.301577597
4.678755215	3.11461974	3.913428823
3.078507914	2.64933751	3.012755012
7.050001399	3.832127703	2.572275044
5.141900501	4.062024974	2.72085314
2.99905441	2.603107733	3.721103432
4.178093848	5.967424671	2.72482582
3.126268321	3.619751071	3.621334291
3.615210912	3.041418364	2.643589948
3.125852738	2.544020468	4.271204146
3.60415765	2.56029561	2.628275643
4.364561931	3.746021542	4.148388468
4.366288425	2.503568816	3.800424696
4.418471959	2.480121446	3.833655081
4.802379696	3.487813019	4.447253983
3.983182679	5.163126608	5.381737084
3.63561562	4.096829141	5.184041209
3.104503245	5.784788269	5.144101175
3.884212621	3.208577421	4.792002147
3.357639371	2.631716056	2.927513544
4.448272803	4.688498023	3.658619629
3.57412443	3.584199113	4.347729682
3.001942973	3.014427771	2.783970974
2.922503607	3.334612937	4.025793906
3.192497545	2.67343722	2.760002461
4.027222413	2.979599779	2.689932822
4.311415117	3.108898216	4.034431606
3.581806369	2.583182873	3.409868317
3.415833143	4.450378091	4.190974157
3.899425358	2.633955141	3.832683536
3.306718879	3.107052608	4.978051544
4.116071533	2.639557939	2.850356024
3.768066137	3.188595075	2.998936818
6.559532578	6.253852138	6.331727001
3.365401844	3.922520798	3.194520637
4.93463652	5.323275077	5.002194241
3.730008726	2.510425138	3.074077007
2.840989505	2.626658921	2.780081859

2.780044924	3.045837964	3.871970194
3.067664925	3.199040625	3.387638213
2.631380969	3.10634187	2.607556421
4.968564259	3.897071691	5.530821036
3.504055748	3.339279456	3.568702187
2.778712192	2.61921926	3.978209717
3.979271415	3.000153581	3.860131342
4.094035084	2.587780887	3.11265176
3.418158468	2.479033125	3.968448202
3.125328334	2.623796923	3.215406552
2.752693645	5.544431092	3.498538968
4.736713524	3.581429485	4.271885878
3.976998655	3.116847752	3.729410685
4.266404185	3.207474491	2.731393792
4.839472148	3.468902154	3.533698877
4.329698597	4.044143795	5.855319552
4.406602851	5.149966014	4.278764016
4.134095981	2.500371471	3.451652418
3.428446132	2.646332462	2.640274875
3.252986245	4.593136989	6.286043588
2.909957163	2.545773846	3.787651147
4.495869185	2.60432328	3.599026755
5.398907382	4.286211146	2.634996088
3.316399979	3.190632483	2.800646865
2.660506504	3.099876857	3.202470366
3.619498379	3.251977406	2.733987784
4.949021446	3.495123257	4.538587391
4.192070061	4.13515917	4.748546552
3.118604853	2.585672751	2.73019868
4.383019839	2.876445575	3.768503454
2.789648871	2.540986104	3.466916861
3.674939149	2.875408214	3.133873611
2.824583309	3.109277764	2.688270039
4.268016704	4.484548446	3.591754117
3.021209071	2.805466358	2.684713504
3.60493908	3.940145027	4.45583163
3.32638772	3.900908034	3.853552007
6.144015687	3.208853674	2.870772439
3.112052238	4.016959513	2.483383604
3.67932591	3.011491339	2.873907809
4.105347633	5.832480402	3.318487394
3.426960137	2.735799668	2.928821469
2.891276788	3.558537933	2.518171366
7.50543161	4.340860689	3.590093148
4.125847923	3.198561624	2.781344412
5.020155821	4.309313369	4.484374301

3.900772399	2.535684056	2.619254678
3.530202046	3.062800376	4.210122274
4.462333874	3.239715319	3.839301749
3.358694297	2.58414372	2.963484287
3.362043176	4.058193784	2.521287219
4.658877056	3.422749655	4.346064794
4.890561552	2.598087381	3.417915298
3.372377933	3.021566711	3.719247309
2.504409486	3.427960993	4.963193007
3.557580839	4.11115838	3.724024385
4.931593141	2.948385358	3.632643465
6.501304778	3.591689078	2.483811256
5.350448303	4.135903734	2.731670244
5.144291553	2.530305041	3.236753009
3.329970928	2.490232438	4.157052207
3.012301445	4.111409733	3.03608754
3.788561646	2.475951512	3.117721213
3.526719154	2.535240145	4.845939321
3.846441663	2.619674064	3.706968004
4.439554366	3.075957789	3.7134806
2.459693313	3.053390552	3.46124081
3.173066351	2.620992427	2.598903542
2.946252245	2.681616479	2.553908839
3.741123584	3.781721083	4.018025507
3.582603244	3.787349124	2.5076123
3.353753644	2.444571337	2.958252475
3.645574408	3.012241693	2.431954897
2.591948547	3.604438596	3.317762504
4.520287468	4.499813266	4.113449782
3.542529181	3.770810714	3.618848058
3.329791932	2.821665848	2.971132317
4.087614587	2.613720043	3.740997718
2.497681067	5.165251866	4.999116262
3.308021488	3.037554382	2.935244589
3.199885276	2.523470526	4.089087393
4.335629405	2.543619579	4.452867449
3.398615124	3.702094808	2.593243385
4.105189076	2.472063489	2.476430419
4.172959176	2.656425934	3.699436969
6.06433319	4.651218193	6.545325374
3.475859931	2.94823937	3.022384502
3.431640488	2.543619287	3.065315701
2.662388673	4.224879383	4.479198332
2.767527134	2.64250566	2.855035963
2.551569864	3.92060986	3.69392034
5.830374991	5.794710746	4.862346714

4.128293475	2.53704482	4.301320488
3.878973603	2.998243673	3.56485676
4.142238622	2.864648949	3.20320662
2.970038062	2.489186108	2.771564252
3.272910712	2.560545103	2.529208827
4.158360315	3.84211174	4.960155643
3.779167406	3.536110238	2.965103741
2.997555762	2.787067321	3.169634085
2.83437903	2.885207895	2.68340226
2.682404285	2.824897179	3.231695219
4.325482776	3.688547719	3.587221264
2.786212715	3.08457959	3.011978754
3.023548339	3.689332138	3.345803766
4.525951805	4.128276924	3.175948564
2.858249191	2.612182055	3.491279923
4.04893718	3.78608133	2.749857185
4.745564506	3.208012242	3.116473636
3.77508761	2.694970935	3.737909469
3.913333324	2.760338393	3.359958061
4.802324098	3.15147347	4.990574668
7.156154389	2.552494733	4.527534947
4.136495367	2.798080648	4.195027347
3.26155033	2.952280884	2.483230206
4.043229245	3.478680212	3.936163313
3.224048868	3.070275075	3.43439944
4.086903919	2.457027274	4.473087992
2.440038417	2.686760474	2.676003516
2.413638004	2.821015855	4.725236677
5.247808734	3.205820888	4.065572783
3.590771698	2.398115628	2.867057776
3.702534493	2.915248285	3.642620124
3.976967034	3.793949406	2.491376741
4.366860578	2.410079359	4.113248751
6.234329821	4.257558741	4.312249275
3.735222997	3.077104224	2.97241604
4.306039245	3.476016999	3.563716249
4.204736543	3.001037568	2.496665665
3.013017658	2.789803205	2.838908474
3.072655272	2.496471125	3.083361485
5.687637578	4.929360835	5.004057216
3.286543208	3.739446134	2.899963511
2.513981832	3.15832692	4.548818723
4.198864176	4.560308487	2.574218658
7.502933254	6.113681263	5.6813678
3.412634907	2.490182798	3.616000629
3.055963699	3.118627064	3.067684483

2.752934548	2.560780408	5.005366967
2.602213975	2.625011428	2.553505878
2.375511155	6.161046425	3.213517849
2.378288356	3.663843656	2.936614464
2.87215176	2.974820475	2.503710202
9.068152255	6.279714577	7.085215945
3.983123313	3.056881246	2.37290294
4.08181328	3.821655705	3.281512584
5.091225932	3.258776411	3.238419062
4.422776903	3.020604452	3.665136338
3.833514324	2.516786494	6.283244071
3.548072106	3.458935064	2.400370182
2.532479322	3.807638528	4.063438717
2.411786588	4.070641438	5.624365953
3.344256841	2.600147566	3.215130304
3.211926869	2.868198891	2.98534749
2.776281147	3.118201364	2.469341592
4.245149422	2.988971747	2.80780535
3.349558628	3.386803106	2.84303574
4.042768108	2.477211674	3.713079307
2.41743819	2.612165341	2.61773942
5.984181122	2.9377776	6.100269024
3.153162247	4.09881859	2.408700317
4.871915548	5.504040943	4.925121552
3.791846545	2.640864244	2.349945786
2.643773571	2.847653044	2.990909591
7.031189668	2.373124302	6.133252735
4.661070766	3.993700959	3.718496037
3.402225875	3.963415833	2.475379912
3.567240397	3.532674716	4.16215706
3.766207205	2.509752382	3.396997011
3.467621877	3.735682115	3.493940967
4.062449581	2.449927202	2.80242877
3.091189356	2.543598957	2.926509287
3.384582117	2.735143277	3.459661897
3.800837802	2.542200739	4.025071141
2.499547452	3.750421535	4.044884274
3.337634004	3.001176214	4.359399275
3.8661143	2.397859925	3.818007956
2.336680947	3.116310193	5.473069535
4.334112229	2.921195897	2.830649386
3.2620106	2.370387515	3.066710293
4.238386093	2.821114562	4.156533789
2.44979338	3.533930379	3.017119174
4.002632561	3.222103156	2.377662382
3.238810339	2.960713321	2.410954749

3.26934021	5.249398729	4.534702945
3.517730831	3.028423684	3.009712059
4.566908694	4.485725455	2.699403653
3.484122207	4.74186549	6.187803318
3.144168839	3.050557864	2.426553301
3.640555167	2.378304852	3.780894309
3.344642958	2.855228778	3.440162582
3.74261729	2.487893651	2.881049938
3.546383778	2.319704603	3.777892914
3.67727543	3.279504132	3.414612597
2.522008119	3.62722173	5.945695634
3.968485161	2.806380562	3.311100695
2.412939224	3.319521787	3.603456061
2.473150948	3.027313074	3.398547491
3.233588936	2.528348474	3.096198962
3.642422741	2.541572159	3.571516881
4.41355896	3.729208957	3.551855272
3.163798154	2.469807739	2.959880353
3.040610696	2.969335402	3.505017297
3.28150451	2.598864224	3.199712934
4.969170818	2.514045828	4.721836477
4.357343752	2.343729137	2.849393653
3.917594295	3.024636891	3.977728427
3.96240902	2.447906695	3.041473041
3.734228657	2.989027124	4.628524657
5.000947385	4.079633884	2.397646392
5.350380711	3.753906552	3.586394652
2.47311533	2.51804753	2.64618361
3.496227281	3.562474061	3.783049664
2.91372522	2.624213497	3.016332353
5.494728951	4.244574056	2.358846095
3.234305207	2.941030148	3.525157568
3.326833781	4.883134986	2.450556233
4.401676522	3.232301883	2.970737984
2.579577432	3.739572587	3.07380415
4.18641151	3.609437566	3.766817057
7.620809699	8.803574326	3.092109194
2.515186658	4.035834609	4.041655802
4.501798324	2.701779044	3.22690418
2.617614113	3.854614227	3.990991691
4.804749261	4.243424761	4.383204544
4.819135646	2.44449969	2.756751782
7.008050637	3.171244531	2.531120589
3.77806849	5.447080403	2.383600024
3.703835272	3.937619753	2.526926657
4.738224334	2.424134649	4.241959951

3.061156582	2.609560569	3.107460059
3.381476046	2.323992008	3.260270382
3.875918313	3.849041029	2.531002539
5.394880786	2.402163276	4.312304785
5.329819053	3.212901563	3.37532934
3.403795629	3.44917371	3.303168869
2.950333604	2.427467057	3.717309396
3.661929073	3.195341903	2.523404542
3.62077369	4.438918671	3.70312679
4.232862238	2.346927094	2.497633186
2.873546082	2.839691231	3.720968527
4.821665697	4.323257219	2.874139645
2.971078851	3.094001325	3.566944935
3.907059897	2.30527695	4.577971018
2.730518363	3.095714147	2.382561907
5.673819859	5.568979296	7.183694426
4.827638859	2.502196459	4.165493541
5.751554888	3.8248723	5.728453378
2.703117855	3.159337145	4.125671995
3.710718691	3.590215498	2.448798553
2.495677361	3.013147631	3.200130002
4.025643286	2.473810033	2.929671054
4.970684242	2.441089543	4.36495045
5.002955656	2.30771767	3.0113234
4.457128959	2.54500964	4.496332748
3.601742582	2.44557237	3.9670541
3.44152279	3.163217224	2.693707359
3.754748539	3.115325782	3.099791619
3.674830904	2.360281236	3.88771266
6.970791902	5.31557099	2.830668848
4.639980712	2.545905926	2.635510442
2.693070294	3.810530023	3.786569324
3.711036981	3.506515646	3.789272804
4.218779702	4.748710524	5.187325979
4.447831992	2.433403904	3.489826287
4.653333173	5.384083413	4.195613142
2.507849721	3.134058053	5.227779554
2.945772895	3.314476884	2.756342371
2.916082621	2.70515272	2.670966309
5.157981034	4.263158871	5.329020448
3.885563885	2.400195159	3.958610779
4.474160071	2.39580464	4.275340526
2.824009927	3.027746482	2.415684651
5.253641956	2.309155993	4.110183352
4.4341727	3.630946789	3.981493142
5.839956382	4.44674831	5.401759477

2.940679147	2.54465621	3.544238438
2.403813693	2.657247537	2.948859666
4.350219548	2.743551529	3.63704121
4.148317565	4.374978139	3.721092911
3.774010672	3.353012079	3.03094929
2.415093179	2.875514373	3.305593938
3.220569211	2.97569664	2.293174266
3.784581416	3.106307076	3.923152
3.428745604	3.098037606	2.324319782
3.079862462	3.079228491	2.734195532
5.179927586	2.5664667	3.748011887
3.121784027	5.037083794	4.960021743
2.851220654	2.439525134	3.865781505
3.750988958	3.818355158	3.826106775
5.346195465	2.724984109	3.464587713
2.944507411	3.588815616	4.128363794
3.975169294	2.451487397	3.132881428
3.675301913	3.173174143	3.602029386
4.770667241	2.938391208	4.13747112
3.32351304	2.91757635	3.328414916
3.249936746	2.905482973	3.545394307
3.70320367	3.765453931	2.268141296
5.281380533	2.309086944	3.331958271
2.947586019	2.560544393	2.727938266
3.527093823	2.718814794	2.918671353
5.063559078	2.40707542	3.365928751
3.091291392	3.686297866	3.919572853
2.891238844	2.939303226	3.014130003
4.298202258	2.854268552	3.164871747
4.490475398	2.494827898	4.966831043
6.049859797	4.819931195	4.993697076
2.650315735	2.702567151	3.30181558
2.80773228	3.071606242	2.381803887
2.543806263	2.68370855	3.873200893
2.595077589	4.695081133	4.996335294
3.075172242	2.510208098	2.336339478
3.741577269	2.507440009	2.482334084
2.891190567	3.093043809	2.47471084
3.157070139	2.690629133	2.635048468
2.774665505	2.914530584	3.019401278
3.550021786	2.602895884	2.53889464
5.444062909	2.315856952	2.399572531
3.492264068	2.32570644	3.019596423
4.205440606	2.34122177	3.393969939
3.415012549	2.871406689	2.296782357
3.741187843	2.947056212	2.248733974

5.032019933	2.601624558	4.583030639
3.298443189	2.701433933	2.379525688
4.146979831	2.893908625	3.666860379
4.993643671	2.689023813	4.923061229
4.422387929	3.508785842	3.271102831
2.727225086	3.049455032	2.571417858
2.823551613	3.690700056	3.087188596
2.324326238	2.761310294	3.503734921
3.292567482	3.862062374	3.623396718
3.283841562	2.377072855	2.915633639
4.469946922	7.453957538	2.5502743
2.890649685	3.179183157	3.928225757
4.008909982	2.337278965	2.834334062
3.353828078	2.98748894	4.031119753
2.971705776	3.307513636	4.262742576
3.42312713	2.545100555	3.237181116
8.256870475	3.361232923	6.936167269
3.475827533	2.415313833	3.81362432
4.21219725	3.466258573	4.670536321
3.42048696	3.399111661	3.615086786
4.741176614	4.472664592	2.663041334
2.220016377	3.771948123	3.433814827
4.306516492	3.329302833	2.479336664
3.778738686	3.226403946	3.142388393
3.207512184	4.018724058	2.882785489
3.729589827	2.711360818	3.112591879
2.453063938	2.699111028	2.790451895
2.949536337	4.023723235	2.338446035
3.379365474	2.233841058	3.321155853
2.615297642	2.582319556	3.463059914
2.698174366	3.120597078	3.128940204
3.738008912	3.274939732	3.093490539
4.11881768	2.858116695	3.4453716
5.318826675	2.990143415	5.011080032
2.335497497	3.376169842	4.724236673
3.386425775	2.322613612	2.960814047
3.510254534	3.491410887	4.45545711
2.78294626	3.2032395	2.727365934
3.79915378	2.439338683	3.320903486
5.126828358	4.868639601	4.292367727
2.400727213	3.50707204	3.44182216
2.761292354	2.274893843	3.883922888
2.354733086	4.04602481	4.266476085
4.336706536	2.796858261	2.451178918
2.562608454	2.281915578	3.012260969
2.330791927	3.243664467	2.529892381

2.392809504	2.593817383	3.825135342
2.948331958	3.474850863	3.169648361
2.344561852	2.562211273	2.234162479
2.295302105	3.455539878	4.059751113
4.144238965	2.806493111	3.151002185
4.482474493	3.103571555	3.81480951
4.204478679	4.179138406	3.126101959
2.27409814	4.719974407	3.997547542
3.670129579	5.200168146	3.780379669
3.298679202	2.355862737	3.101694532
3.875380798	2.448767169	4.315762014
3.76596201	3.439211441	2.641530826
3.336221779	2.336569808	2.55352055
4.317522543	2.386829641	3.534968051
4.307995996	3.048392018	3.877157449
2.336773202	2.961898075	2.875969438
2.934130106	2.788546541	5.169026278
3.39964582	2.280718195	2.63698598
3.962850891	3.754014938	4.671603537
3.701971187	2.405780821	2.89979163
3.937491015	4.430129438	2.524750018
5.231530333	3.985850402	4.637007178
4.305380926	2.365326504	4.558547596
2.373801055	2.856201707	3.177207512
2.520771417	3.193805784	5.653743615
3.633937638	3.340884098	3.227084725
3.503653512	2.907091834	3.11768852
2.893912962	2.392718201	2.370025822
4.628068777	2.966216463	2.392067114
2.964701041	2.934089785	3.332662826
2.921009113	2.586396878	2.312580688
3.279061918	2.394505084	3.301149887
3.64379458	5.348440453	5.10830184
3.229814533	2.278310741	4.694561458
3.27103105	2.589611225	2.641976851
5.991944106	8.733622251	7.513317187
4.087575274	3.723954117	3.116424442
2.494473209	2.834663312	2.600692194
4.154415265	2.794157729	4.080116787
3.798874009	3.693485897	3.919917628
5.116314768	3.110129542	3.539558251
2.655596504	2.249632977	2.376514366
3.950651532	3.092372304	2.370658155
2.344189808	5.422050051	6.30928147
4.610246675	2.864934251	2.257002636
2.328330993	4.385747631	5.389158942

2.788390496	2.487552534	2.630431076
5.062597483	5.410593518	4.033709762
3.890391199	3.063073279	3.570851082
2.359233437	2.904076115	2.44141686
4.42603336	2.34999036	5.755875761
4.297386579	3.415982773	3.536267285
4.367284853	3.779732316	4.192578519
2.987051522	2.998528964	3.853817677
3.73383811	3.721328599	3.862295811
2.660909936	3.577417028	4.242549193
5.452079815	3.991232421	5.186365124
4.632237162	2.979664984	3.665976183
3.765978556	2.489189642	2.488384374
2.278818665	2.414202349	4.150466159
4.822435336	2.392883109	4.238418642
3.397899545	4.077609987	4.459770794
3.357431706	3.241447903	3.910903127
3.033904137	2.666270963	3.028484662
3.531520813	2.253099433	3.637730234
2.783534815	3.128734499	3.116731628
4.224856648	2.20357902	2.811818897
3.166121656	2.750798374	3.110614109
2.82332976	2.994029099	2.622268125
3.921536497	2.260589392	3.625950107
4.411751461	3.518010433	2.250903724
3.92071025	5.050354974	2.30720231
2.291621849	4.639278781	4.8693587
3.216937111	2.904868378	2.446570431
2.724033939	3.449042383	3.09275909
3.868416011	2.300646598	4.123437308
3.515856716	2.315259095	2.795798296
2.361485224	2.867366697	3.013301049
3.222450479	4.596930059	5.455918009
3.808344677	2.343945954	3.231514291
5.162337714	5.235136574	4.168378953
5.596647242	4.049184379	2.862991844
3.765250063	2.7161652	4.346742056
3.687197706	3.38106451	4.066363839
4.302833998	3.269649261	3.485588489
3.840130928	3.459064894	2.798958664
2.337197313	2.723038316	2.645256733
4.007711186	2.215258917	4.84110102
2.734796928	2.176187101	3.088121616
6.926405858	5.170657246	2.75427557
3.813193302	2.297911394	2.596254203
3.680327232	2.581740381	2.388754531

2.67997605	2.591424036	3.1341494
2.481466577	2.425007015	2.346557164
3.375746012	2.284538901	3.106849115
2.325668585	3.153059872	4.710636567
3.839401676	2.567442205	3.322225083
3.826260831	3.484252756	3.835746486
3.708679533	3.413292156	3.660936877
4.655617373	3.85019147	3.981144917
3.340054044	2.391922571	2.153336574
3.278411573	2.492237318	3.10687508
3.801890284	3.854462273	2.157874447
4.455026654	2.957334526	3.412157204
2.430252017	2.936959003	3.209560805
3.720323336	2.416993677	2.972821492
2.68231375	2.952564085	3.452582337
2.727309363	2.15725946	2.331420024
3.658733394	2.895770575	3.898533445
2.951325598	3.38677423	2.684269553
2.713528255	2.112610774	2.861032584
4.334147562	3.73694373	4.820218945
3.369892137	2.634603004	2.570954231
2.400245407	2.796722944	2.146672092
3.62306202	2.479901588	2.273612702
3.638168674	2.66663189	4.247413482
4.741382323	2.294991001	2.827190838
2.203744274	2.223679228	2.757306138
3.022846973	2.3560113	3.072637412
2.181039696	2.278084276	3.283192067
2.252610563	3.098760537	2.881124125
3.107163618	3.875711468	3.775170345
2.145812499	3.369777604	3.452630925
4.174917111	3.900604767	2.193640783
2.306885681	3.700027817	4.13263869
3.934385657	4.767042575	4.278484109
4.396275976	2.369872566	2.466506089
3.570124922	2.609215147	3.002415272
2.796473939	2.901506766	3.416830772
3.078284852	2.975868308	2.503743793
4.161881794	3.671237877	4.34169868
2.953127612	2.113320538	3.39271734
3.424477692	2.507310621	3.809736421
4.247419416	2.376596591	4.711532386
2.254051152	2.168635517	3.312308605
3.933327548	2.330248216	3.589434101
3.550982716	3.769729429	2.915406146
3.216065402	2.805262791	2.219707446

2.726417052	2.469736165	2.3408641
3.908743592	3.853165108	2.322919103
5.817957248	3.799330532	4.684617698
3.6484371	2.595191611	2.94394014
2.848170555	2.142020942	2.973717162
3.615188324	2.133680108	2.809191318
4.185158059	3.450366659	2.784046027
3.598808262	2.294267589	3.394361108
4.214365802	4.038290045	2.529678654
3.110668089	3.598084535	2.706326658
2.573899846	3.747491718	3.962604388
2.158476886	2.905549117	3.843353973
2.870065989	2.25733915	2.864757256
2.891079429	2.822126376	2.231264186
3.115798905	2.749120385	2.528348868
2.330741104	3.940241568	4.319739094
3.104618337	2.825248468	2.752258863
2.181728657	3.181567493	3.21537306
2.945190615	2.134975659	2.545766061
3.453615218	2.276445144	3.471813151
2.531134848	4.997814205	4.690999347
5.114246052	3.043612096	3.36325822
2.915931302	2.920559397	2.650436058
3.110087088	3.08438466	2.557776273
4.094116634	3.156188179	3.334435786
2.852461956	2.784172973	2.572312407
4.045829866	4.40531869	3.616475575
2.574826821	2.13575101	2.66237147
3.567292006	3.076601945	2.209330543
2.840757442	3.622147657	3.662219609
3.490558479	2.514891688	3.17548931
2.844630288	2.97259088	3.423026097
2.138333917	2.441852183	3.829214456
2.363689746	2.669571046	3.429330183
2.657195566	4.005187451	3.845696057
2.496076841	2.816829685	2.928082778
2.524946858	3.822518661	2.511088221
5.333257095	3.48723556	3.0162719
2.508588562	2.55609918	2.236679218
2.376831187	2.379188045	3.091897428
2.166620324	2.887538474	3.914590028
2.20299256	2.944329527	2.433184507
2.920147248	2.236420967	3.262697063
4.511483028	2.947742117	3.369319095
2.182907877	3.53146296	7.136796799
4.494981678	3.429687091	4.415983411

2.711977548	3.280029315	3.094685014
3.036198112	2.380360247	2.631158878
2.94920731	2.148480885	3.340059294
3.031085436	3.252472121	4.944777596
6.529041548	3.940900442	2.797287693
5.702989968	6.26410535	4.645628874
2.405745363	2.277166269	2.214251901
4.867544194	4.51941282	4.921628191
4.510725931	3.705333687	3.188732595
4.0731426	2.427500911	2.445589848
2.355902288	2.919250932	2.82156595
6.686526021	2.216306258	5.696963489
3.633575864	2.750842931	3.410347397
4.532498139	3.683200143	2.276172549
4.161487003	3.305900952	3.402114742
3.396415706	2.870998216	3.025126669
6.08828171	3.612990019	3.969555228
3.100111252	3.969601737	3.559285419
3.928007679	2.343650273	3.509297415
5.779669942	2.134425877	6.518415197
4.034244489	3.514989578	3.672411167
3.322493257	4.073403914	4.599995864
3.112972825	2.561906623	2.499769744
4.226879275	2.201039445	2.98632561
4.005233381	2.116251311	3.391221339
2.177300127	2.971139815	3.788180282
2.916889339	2.366291507	2.316313124
2.879156369	2.11597413	3.582709413
3.241266867	3.014152595	2.820085313
2.206898456	4.123741735	3.562372667
3.09260711	2.2474789	2.362183991
2.832396863	2.703129271	2.502546851
3.732716369	5.036228794	3.98356541
3.7721199	2.24890415	5.866535813
3.514304927	2.254822375	3.80476406
2.587655469	3.979065243	4.040632862
3.511296675	2.135762107	4.86024982
3.760359979	2.209118685	3.90441625
4.113131451	2.163670072	3.207722443
2.966599437	2.479135506	2.459760681
3.086342068	2.082093133	2.935708856
4.930737314	2.79034689	2.88257291
3.332919977	3.385288648	5.088788346
3.51338245	2.142602896	3.270936365
2.631814154	2.804112487	3.049942355
3.539035394	2.191041654	2.446507291

2.1077045	3.799056113	3.1313707
3.245857306	4.236145995	2.823441571
3.618408335	3.147422287	3.942203871
2.727453475	2.131437869	2.319605666
3.683870596	3.998013256	2.641877556
2.567326887	2.48776353	2.167822509
2.244442105	5.853414964	4.960792964
7.476069643	6.8314756	7.811488403
3.505273045	3.380525985	2.543884933
5.098815216	4.140549415	2.454342633
5.11031125	2.073984718	4.073617093
6.079664163	4.22297066	2.397752787
3.623385331	3.285436497	2.136131873
2.77680531	2.579723431	2.31789375
3.646224413	2.823055875	3.547072377
2.202319508	4.023104494	5.338554586
3.210867724	2.367298399	4.372631111
2.127929606	2.287044942	2.394134842
3.717586911	3.560656222	4.364698179
2.723872415	3.26210453	2.253710491
2.903249047	3.650588664	2.52435331
2.280760362	3.011972658	2.387239543
4.508826383	3.046402598	2.130501213
2.346682054	2.058415771	2.802723262
2.499598288	2.331305523	2.442375887
2.765829433	2.080921217	2.708239461
3.2576648	2.046907243	3.084134993
4.695780412	3.959254664	3.843811077
2.265728396	4.432831033	4.689613514
4.43542815	2.314224581	4.216547081
3.321862932	2.127781102	3.25436787
3.985829356	4.009625959	5.569007563
3.42012253	2.524508971	3.131295836
2.727768877	3.861132034	3.067745218
3.026262765	3.271349855	2.269323927
2.668758363	2.240688295	3.111161136
4.106777829	2.588921703	3.160952392
4.536130556	3.805026053	2.13138345
4.548491602	2.326027286	2.43688296
2.739056556	2.360952791	2.333860383
6.471246506	2.210053711	6.196290108
4.275581305	3.655092496	2.180846789
2.374448419	3.026624628	2.355624132
3.454829226	2.359469988	3.232498713
3.453788524	3.057131052	2.265349135
5.275607171	4.267579855	4.868615267

5.183109156	3.896536688	3.009206903
3.998064701	3.798742914	2.396410158
4.040840112	2.794902845	2.059463757
3.941810094	4.64962616	2.362689208
2.237225298	2.927451011	3.294183493
2.723727402	2.860315695	2.720896581
4.033210978	2.683713832	2.818183906
2.104430124	3.363992859	2.972773066
2.817164586	2.070016396	3.242802833
2.811818388	2.410208314	4.221385019
3.444065543	4.345893183	4.261272499
5.001641945	2.160327629	4.683643647
3.851822787	2.0366203	3.333948703
5.519094089	6.456627056	2.12129505
2.915076095	2.124055036	2.714733593
3.299566983	2.523225952	3.089345628
3.004300094	3.016805886	2.63708368
2.545820624	2.472990037	2.158929565
5.41874666	3.767490024	3.883660024
4.296270613	3.815304466	3.746272177
2.368520914	2.669849652	2.452670367
3.324786643	4.390825997	4.118751509
6.927684812	2.461841697	3.3592597
2.253876243	3.47283787	2.446355471
4.604889912	3.526978789	4.058171443
3.997020504	2.879294955	2.207663853
6.358611429	5.528963043	6.50000832
4.348212561	3.597549458	4.01794254
3.325370677	2.836787614	2.201273279
2.666101105	3.056752085	3.646989763
1.994293411	3.035733076	2.621198465
6.087792331	6.076799854	6.344364317
2.895234172	2.401083106	3.185935749
2.824127347	2.51155231	2.937261232
3.202963396	3.087951462	3.109404975
3.492349812	2.631156196	2.082915741
2.632449783	3.461209117	2.560027562
2.251467394	3.902419144	6.693377977
3.166064422	2.168869448	2.798641132
3.4917085	2.972197667	2.243298604
2.003257559	4.164498168	2.091371036
6.152070977	2.780287784	3.29373402
3.885264912	3.415834587	3.276927686
3.330495428	2.817692038	2.223448656
4.52568384	2.839605466	3.902216943
2.868966523	2.494762131	4.517812086

2.57788325	2.461594171	2.677889329
2.744876382	2.771894851	3.558582828
3.610975032	3.01368712	2.071841142
3.364641817	2.24035849	3.115763702
3.273071002	2.228123771	3.117812392
2.338810675	2.370375657	2.639213061
3.042450013	2.285700009	4.421492627
5.555756324	3.982121437	2.337455208
2.475558537	2.539003334	3.411589697
3.51512958	2.089900316	2.607407348
3.326582516	2.052540521	2.862623262
4.51590647	3.793256064	4.40097666
3.541590038	3.142518645	2.654862208
2.904652821	4.661047979	3.456042928
4.283782206	3.897371645	3.795940395
4.216644623	1.974307735	3.152094513
2.314796748	2.951578462	2.466000283
2.057893452	3.318038934	5.881324693
3.966608885	2.118080908	3.294008296
7.683404071	2.063494068	5.098764069
5.578794937	2.301029055	5.869119285
2.981530553	2.462226402	2.077412692
5.978293532	4.86780331	2.117125281
4.119702088	2.885281157	3.177494363
2.128203278	2.917551239	2.452591197
3.440395179	3.415797533	2.660928097
5.329885008	4.577302961	3.95621015
2.00331356	3.007804991	3.867938331
4.873365974	3.249087862	3.599172375
5.004557119	3.851503158	2.03892044
2.976265521	3.144401949	3.483585075
2.943040739	2.235547185	2.616434496
5.906486689	3.875728843	2.939389876
2.918819941	2.985254847	2.25943018
2.464842888	2.572370251	2.797323134
3.837794294	5.148166416	4.889657169
1.993586011	2.830505466	3.538846219
2.997717396	2.718133998	2.085125038
3.170919886	1.985897913	2.296831765
2.70493204	2.247502846	2.135016523
2.957131104	2.146775215	2.638021692
2.600388622	2.096387068	2.469911827
3.092798143	4.30155182	4.076002315
3.982037402	4.062020135	3.572474286
3.24576927	2.110774081	3.192616386
2.031887506	3.44912882	3.356069941

4.144748431	2.296928437	4.372204319
4.04987324	2.978138377	3.641911407
4.428672946	3.607416293	2.814099322
3.286270036	1.933883488	2.292558312
2.215519315	2.684666449	3.490288381
3.68417277	3.424715408	2.233746175
3.618660667	3.99434326	2.429634601
4.352003406	2.275579553	3.672818388
2.637523498	2.898198211	2.888088016
4.038098398	2.379717495	2.698588244
2.637617806	2.355768262	2.362435359
2.18280615	2.157577323	2.295879522
2.342066364	2.980751677	3.091245183
2.993513341	3.070016061	3.107239784
3.712402796	2.076686035	2.757930852
3.914124	5.641254743	2.25614713
2.96125593	2.412640119	2.855952845
2.444904923	2.035788809	3.215773742
4.539380175	3.536413144	2.038397929
4.314985038	3.773653863	2.428036892
2.371931258	3.368559321	2.811417012
2.620202091	2.68275779	3.498930866
3.195057457	2.106539509	4.430143218
3.846477366	3.257421308	2.929936188
3.700148542	5.461287006	5.657850146
2.109586853	2.557017183	3.318704545
2.02539919	3.056335627	2.521789098
3.625309956	2.695061212	2.025338416
3.275124768	2.107022753	2.909447238
6.019737128	4.36007191	6.086631891
2.323764292	2.058475683	2.513559044
2.254223069	2.352456686	2.306194779
3.944725352	2.333600259	7.090979709
4.68169876	4.154400531	2.281944601
3.747049983	5.018303611	3.03322013
5.090695342	3.682589334	1.983256012
2.834454972	3.09192936	3.195649185
3.58239606	2.205536563	2.533119521
2.822824399	3.358466359	2.894089213
2.001268544	4.027210963	5.380494117
7.319783842	3.236745629	6.657764196
3.908877984	2.145088308	3.357985241
2.536966662	2.011207217	2.745722866
2.494246182	2.452094152	2.679751165
3.254862531	3.632212571	1.969319215
4.324476036	2.314971742	4.871952215

5.034327267	3.535856469	2.946654116
3.078303352	2.51256269	2.075084797
2.485792423	3.210787246	2.624453183
2.484642579	2.189449414	1.988608552
4.371861464	1.973536575	3.12869389
2.651988374	2.384118866	4.223130601
3.6126047	4.155877334	1.950098272
2.665311717	3.597721072	3.149378523
5.384592867	2.697045535	1.900697445
3.395020105	1.956640275	2.900412904
3.833172453	2.320220497	2.082139534
3.458059573	3.296091478	1.910443334
3.722919798	3.289108024	3.407006659
2.475324333	2.468373641	2.059247353
2.363042691	1.898723915	3.002124498
3.161805449	2.765915131	2.995201104
4.723664479	3.260259094	1.988308643
2.031408155	3.049639373	5.078742736
2.728606321	2.22205608	2.02700739
3.796909826	5.913308134	5.185850562
2.095956119	2.927274355	1.934667679
2.234858581	2.710433015	2.564000551
3.618662179	3.011744534	2.334727097
3.759336955	3.400282228	2.637448451
4.878244326	2.318196813	2.074441357
2.845141149	2.290096959	2.939285598
1.962449722	2.725493858	3.332574243
2.089338127	3.691122233	3.823592673
2.929216573	2.94160974	2.099656845
2.402866981	2.151067859	3.220751386
7.647828873	5.244557934	5.988852775
2.02080077	3.338733095	3.014967761
2.478496038	3.045891219	2.758005606
2.962299263	3.33223815	2.076003128
3.509586246	2.068559813	2.310835493
2.251856533	3.389822974	2.687553556
2.556279371	1.92424916	2.688028659
4.316729075	3.989563385	3.571839068
2.20174543	4.31089519	3.60287219
2.130712582	2.048004241	2.975601432
2.611466277	2.40839925	4.312155272
4.507475317	2.005633648	4.416973506
4.704422493	3.062422644	2.591723159
1.998624407	2.488034962	3.476353251
2.588395388	2.0546863	2.56965234
2.551431855	2.552543343	2.689545645

3.076204337	3.417571274	3.83304971
2.849544135	3.379362362	1.991411683
3.40771473	2.014640836	3.209769761
2.225763308	4.507578388	4.862938826
2.036303518	3.129517835	2.919631019
3.109580175	2.809614133	2.702603802
3.666013556	2.764391977	2.705411262
3.860022937	2.017448204	3.530194459
2.225670942	1.975121638	2.774259577
3.172782037	2.072386743	3.261255964
3.521261283	2.60633455	2.705452752
3.206161018	2.174695177	2.410173001
6.336261031	2.603455414	2.339538133
2.467028598	2.953021948	2.233993837
6.419140916	4.297819619	5.858456473
3.201635906	2.371028405	3.55933921
2.886728222	2.938328618	2.480913354
3.312424336	2.722150905	1.984870598
3.363074367	3.663687259	3.223532621
3.413996925	1.971432864	3.00026124
2.425811732	2.963432883	2.13238027
4.210072456	4.712014681	4.750376661
3.180194007	3.468980639	3.008679614
4.081774929	3.962604572	4.44908512
3.048826494	2.53145433	1.905575716
2.211824931	2.806493879	2.695690491
2.485968201	3.175602903	4.649905167
1.95908367	3.680570658	3.97917317
4.615943439	2.437343606	4.36184943
4.472640275	3.083176133	2.847059722
6.577496744	4.21696989	1.965212828
3.273681288	3.148465451	2.097383815
1.949301187	2.262951439	3.011359544
3.684598411	2.185699538	3.885709941
5.118723147	6.634049174	5.491209137
4.220757854	2.364594663	4.304219204
5.623606166	2.689931644	1.840368703
3.617594937	3.311878154	2.368378794
4.322220639	1.855999898	4.167184298
1.991849004	3.46660196	2.483905458
3.178814306	2.697884265	2.819592039
3.725626161	2.067547719	4.117860356
2.541522381	2.331557056	3.912485342
2.444261111	1.859307409	2.125568996
2.157763083	3.341062847	2.516351418
2.531998344	1.870100059	3.423144791

2.316624805	2.209299735	2.946687048
3.294799739	1.908502438	2.552706536
2.563738229	3.390685564	3.513376618
2.93739773	2.932348027	3.132380547
5.917202722	1.94848269	6.087752291
3.482646271	3.849024986	2.970499246
5.31372507	3.451394975	5.1846884
2.614027857	2.609207827	2.496516124
2.459745177	2.537033422	2.24992417
2.251164674	3.193644676	1.936954637
4.293506075	3.458470322	2.123946133
3.731619248	3.673460148	3.229261426
3.349856049	3.560823408	2.996736675
2.606086236	2.58365507	2.801622154
4.072783389	3.304629584	2.866904663
2.028456449	3.857583276	3.914882439
2.514913482	2.658258833	2.370562576
3.47414757	2.615291964	2.036460249
1.940637368	2.452702518	4.403896988
4.25884811	2.444448894	1.860150545
4.617986292	3.199073985	2.957233187
2.690503501	2.411362089	2.847018092
1.866938663	3.365098653	2.870397856
4.294887782	4.130663994	3.027417519
1.866139837	2.000394098	2.967781553
2.615196361	2.11944173	3.479484255
3.333821343	2.467793097	1.994264413
4.509615776	3.386110392	1.966095227
3.70297266	2.754510322	3.205728965
3.42813527	2.463893871	2.923422944
3.386545454	3.402763522	3.418549643
2.666574883	3.417521981	2.167787142
4.038491594	2.636989501	1.901307673
2.844787701	2.003322726	2.716868947
3.964666905	3.420352558	3.729784594
3.949694236	2.114765343	2.393980775
3.256402248	2.74666336	3.159038605
2.500464961	2.43955605	2.369856277
4.867899841	4.75613158	3.640807508
4.889319598	3.960912904	4.913078194
2.323528653	2.773226366	3.399932442
2.475301933	3.061228997	4.206132419
3.329275686	3.558771852	3.302555889
1.923203428	3.956184337	2.213512002
2.428220817	2.311955354	2.464135313
2.087337221	2.563223	2.526815465

3.824176942	2.178505664	2.379766955
3.530978486	3.127064802	3.726494227
2.589055343	3.505179229	2.516781589
2.229116028	2.135565831	2.054435872
2.107672599	3.1934996	2.24423608
4.518798039	2.056385593	1.946336095
2.651043566	2.761975568	3.151248866
3.55948511	4.363074421	1.89192404
4.679761651	1.928237144	3.480491329
2.863194961	2.180638806	3.211611634
1.796447153	2.328546683	2.429784124
3.193147178	2.227428081	2.549717633
3.581446768	4.058305551	3.702116185
4.60534076	2.90898092	5.972539938
1.78129472	3.425152894	2.8859368
4.358100755	3.682038456	1.972185162
3.306084574	2.558769817	3.108378951
2.277792319	2.613779213	2.979870105
7.24054324	3.380155685	2.671657666
3.531021967	3.13785847	2.357125888
3.099207342	2.12184533	2.730308543
2.751498932	4.087176242	1.859940043
2.598092864	3.070264676	2.15881699
3.493806666	4.901313187	1.978097742
2.96405492	1.876014774	2.018644963
3.438075274	1.939236494	3.994206815
4.663885155	3.486866616	2.139406617
3.344988893	4.971487305	3.907195675
3.346535891	1.840655159	2.717256653
2.198862717	2.515919996	2.899771456
3.02148741	2.264613414	2.741938459
2.435209135	1.985543716	3.045905064
2.373415524	2.813327409	2.93069012
2.685237014	2.322544022	3.273989107
5.749164058	1.837341269	6.189342214
3.805537807	2.66795638	4.490540142
2.445327457	3.750891056	3.383794633
2.090556868	2.395603286	1.867964005
2.745168392	2.931323405	5.108693274
5.156598122	4.21824759	4.35588931
3.944817079	3.657518318	2.299244696
2.347029456	2.117064139	2.633237896
2.621898769	2.453450956	2.079981704
3.13643204	1.961213112	2.372058862
2.510340256	2.582891794	2.189206718
3.307150785	2.325070388	2.64942491

3.626909672	2.19872652	4.019695072
2.274522354	3.554597955	2.724361263
2.259167863	2.741368503	2.016790746
4.927228249	4.836480191	5.462252534
5.004660748	1.909518057	4.018700872
2.626513225	3.403233946	3.168571329
2.016054085	3.004382362	2.444053669
2.12601403	2.346820838	2.249115531
3.807930862	3.976746214	3.852042302
3.714891093	3.635815682	3.462661502
4.078127427	2.803569924	2.95380501
4.20398492	3.778235687	4.068812505
2.64929115	1.971891785	2.978102073
4.415193953	4.035670266	1.999723741
2.415157948	2.160024986	1.777019909
2.972454907	3.01556662	1.996724743
2.548140232	4.553542588	2.511755816
2.703630754	1.998815893	2.29612053
4.05941542	1.912989634	4.644882662
2.796951113	3.935397197	2.190514618
2.877037844	1.838404544	1.953416059
3.118601398	2.683655062	3.02921047
3.549545615	1.820824892	3.045491092
2.62110025	3.017588789	1.986778165
4.188715741	3.166015578	1.862611393
2.098479795	2.17017968	1.835947952
7.162783554	5.703389334	4.933062413
2.748471888	2.399104542	1.974064908
3.049664821	2.631375286	2.932300232
2.505244082	2.121712122	1.936772175
1.948097867	2.705957985	3.42766161
3.643372145	3.103435948	4.343402238
2.399652132	2.253192117	1.788838848
2.543710158	2.004542326	2.0866045
3.388693531	3.702843712	4.816545234
3.441321082	2.778543797	3.018460846
2.517532478	2.875989267	3.168589276
2.96772247	5.041258868	3.729612299
2.69143519	2.339614745	2.531337729
2.218353903	2.300600526	3.243677781
5.313042809	4.993148633	4.568179513
2.066586383	3.512651271	3.975299701
2.603680817	1.95867072	2.047540746
3.681515212	2.610940312	2.786964735
4.261834353	3.780002592	3.266641576
1.759356232	5.586140542	4.675677131

3.514470839	3.726440094	2.700838281
2.398981063	1.846037954	1.903694724
2.131155108	2.045050455	1.856358799
2.10872987	3.90695637	2.798148268
2.101560359	1.909383655	1.989664107
2.67108088	2.519410796	3.577716133
4.123432698	2.432107235	3.683281438
2.168052829	1.960611391	2.006218704
3.803968564	2.168233808	2.516761295
2.430602182	2.818758174	2.918445038
3.868831733	4.190343546	5.631483028
2.905666982	2.958421737	4.079428677
1.895901639	4.039202213	3.585813014
4.072220591	2.86696449	2.664593892
3.854291368	7.3964346	5.025761071
3.553388606	1.780456342	3.094269355
2.28438555	2.293777927	2.428706642
2.836026565	3.076056025	2.837510318
2.664362196	2.037558128	2.888355104
1.916830886	2.991937684	3.860585095
6.259995923	6.970536717	7.721430173
3.636200925	3.662158342	3.306438231
5.323494649	3.168454803	3.843665035
2.972266514	2.635426658	2.444263484
3.629676417	2.319695005	1.96208499
3.013038666	2.788087054	2.223049378
3.260504314	2.49888784	2.891308842
3.739617244	2.687310886	2.080032938
2.136367143	2.352012238	2.727313732
2.862076851	3.053659868	2.088851903
2.151288526	3.10009466	1.791124094
2.981911961	3.027095089	3.433219054
2.781338388	2.126324386	1.763045171
2.154983697	1.805718799	3.702131334
3.173293026	2.472134564	2.816613578
7.514776829	1.893101569	1.905639637
2.096139861	3.771223992	3.344425589
2.750492908	1.901333318	1.822797662
3.016715998	2.798582223	1.892206272
1.768837905	2.048844844	3.452784581
3.31480677	1.778181004	2.792965733
4.667668445	4.074113917	2.140059626
2.745725664	2.532873276	2.144554364
2.297026458	1.724541337	2.229428892
1.746526899	4.276969406	6.225298555
1.966554519	3.378720864	2.288435037

1.769714348	3.711178662	1.847655887
1.997433944	2.778564333	2.700228344
3.427300398	2.376663666	2.67834628
3.466195779	1.746960116	3.432415551
2.880409553	1.826713745	2.00174019
3.04048121	1.78269608	3.057755439
1.964121331	2.332309175	2.200729662
3.034723677	3.28263604	3.542432564
3.207071276	2.364661655	4.112494104
3.729691218	1.914118116	4.101057839
2.903790529	2.559001249	2.019113452
1.891564	1.76325409	2.076187846
3.265844437	1.791374742	3.449276646
3.208413808	1.829885805	3.183234677
4.306282669	1.7898431	3.233464151
2.430917571	3.185443461	2.872984016
2.042446429	2.349181479	3.234716639
1.731504798	2.715656766	3.599200139
1.665092578	2.403189328	2.456079385
3.313350959	1.954674555	2.899564035
6.477530716	3.163266088	1.945064414
2.23010211	2.729925597	3.19270658
3.026359366	2.633906936	2.668892497
3.148826705	1.750768778	2.465148053
8.057887538	7.147606322	8.162853377
2.41564121	2.529806467	2.091395989
2.4464088	2.377811942	2.658490571
2.863154544	1.690853227	1.955572836
1.86211697	2.688400267	2.895584829
1.840950534	3.826050477	2.808288562
1.810548005	3.726311039	2.884032058
2.832889598	1.705877187	3.140724341
2.927542991	3.284085592	2.666038984
1.710001899	2.28674158	2.119287448
3.725094474	2.087788591	3.685396322
3.61970575	1.739628134	3.084013636
1.882436107	6.518875443	6.662829007
4.417534714	1.805038768	3.996247252
2.036494358	4.692240955	5.744030942
4.209681389	2.984314965	3.406964073
1.736148308	2.68358419	4.537520509
1.733959622	2.855380964	2.176084058
5.07693972	1.759810548	3.58885908
3.062484774	2.998043028	4.580616552
4.221884816	4.252739838	1.948631349
3.127475257	2.742696103	2.386452651

2.628883115	2.631009254	3.355107054
3.009747106	1.894186333	3.731503592
5.589168803	1.822433326	3.575211428
3.224745001	2.12713387	3.743163166
3.176598717	2.266872556	2.330343056
3.263638072	3.083017109	1.738456451
4.03518489	3.659956975	1.941731011
1.678522385	5.004354533	3.940847009
2.393575657	2.743714557	3.45119721
4.726182904	2.148926401	4.024881639
3.839726772	3.333955281	1.979109854
4.858436085	6.82464771	2.631708433
4.469085388	1.699528185	4.054331611
2.835604075	2.026037781	1.737540959
1.749327732	1.616182667	4.185398073
3.058595875	3.33171201	2.708294907
3.409298792	2.220049522	2.23729659
2.639198746	1.749879573	3.016082479
6.563170818	1.724387675	8.684954113
5.349090906	1.669576476	2.531038918
1.726688568	3.854080798	5.347556329
3.393861574	3.828612695	2.65776234
2.871289048	2.942415514	1.977111023
2.518038896	1.730373956	2.777307801
2.642265914	2.200541245	2.796222988
5.762093657	4.825709476	1.816528883
1.74499653	1.7007524	2.297186109
4.484699731	4.28686962	5.006568175
4.257558473	2.283668012	1.766745451
2.342733594	1.872343929	3.924892225
4.552661856	2.66501311	3.751664442
1.708545984	3.032429352	6.965713743
1.616138329	2.28131332	1.930948387
4.290747315	3.668245559	2.390099391
4.703635983	4.958941763	3.78748485
1.749138893	4.378618774	3.534888118
4.17066287	1.843037323	2.703079029
3.095238007	2.38847175	1.737146596
3.937902832	2.788606888	2.014147567
1.72561288	1.833333933	2.817364699
2.585094558	3.258197545	2.116262324
1.980363923	2.47617201	2.735870997
6.244042368	3.290496164	1.576869923
3.416394883	3.103750144	1.76890313
1.866362066	2.14846214	2.685955348
3.506528178	1.801132342	2.539494241

2.031699327	2.90452549	2.36213055
2.481072548	2.386727498	2.105398262
2.741385707	3.337760497	2.158064604
4.405846655	4.133733553	2.676702845
5.441050827	5.585967066	1.709965449
2.675646217	3.602070588	3.150521251
2.623579646	2.007828451	1.662061369
5.733811059	5.468811164	5.414890182
3.443853281	2.45064692	1.869678562
3.004809532	1.783661001	3.289802681
2.723829097	2.226776949	2.135005563
2.710713661	1.727112734	3.743424295
2.184199244	2.35450334	2.357727282
2.223590129	3.033623472	2.943344389
2.137403443	2.311394497	2.482655668
4.271620783	1.810156526	3.690662565
2.999278678	2.590791166	1.665254385
2.472648956	1.997793454	3.266646403
2.254397942	1.797864802	2.519557951
1.845996781	2.04161576	2.296496523
2.202126317	1.94466203	2.100266236
3.5018052	3.542590694	1.846671255
2.682403196	2.238215583	2.010976694
2.356745752	1.619924717	3.262894492
3.726044905	3.027699875	2.755393854
2.206424737	2.6334863	2.296888843
1.865782307	7.472328535	6.22479029
5.392125219	2.939251642	5.149467653
2.931526466	2.10547449	2.564009655
1.591139922	2.715154254	2.510433616
2.351719592	2.709903924	1.657913176
2.775547017	1.603053466	2.730237499
3.133752717	1.654406507	2.071667149
5.555912457	3.678975245	1.951994705
4.866769993	1.584879269	2.770780325
2.174573569	2.225546062	1.853699263
2.301023229	1.88454495	2.139775962
1.784280193	2.368357638	2.471352975
2.202569553	3.272779595	6.887008019
3.339174115	2.488556701	3.749187826
4.466338504	3.409756366	4.544007409
2.960833051	1.756903889	2.400686338
1.85672317	3.298915084	2.976806511
2.570823867	2.094414581	2.299461186
4.053602187	1.639797466	2.78304134
2.305395216	2.053138756	1.667758604

3.539359843	3.700594104	2.946104297
6.039661196	5.01130182	4.100033938
2.335279777	2.120058916	2.192685235
3.181000271	2.161185714	3.357396562
2.616967686	2.753160873	2.762121966
1.805160152	3.36974463	1.891662084
1.752986802	2.570120897	3.196909962
5.278679896	2.93702142	3.807541208
1.53678305	3.735727039	3.755590655
3.122467678	3.11795286	3.302378435
5.444298573	1.854429235	3.655030239
3.44877048	1.852651062	2.610847168
3.104514679	1.687854662	2.057038406
1.78202975	3.321286814	2.63425413
1.824008307	2.757099604	3.25489644
2.12410985	3.644947911	3.257989333
2.537603358	2.457150979	2.483864481
3.703619421	3.660434521	2.454399427
2.559853824	2.144745573	1.841204079
2.959919149	2.079727343	1.720143754
3.402652585	6.037633289	3.396589009
2.506043001	2.263878703	2.221556249
1.764878556	2.634823278	4.02859103
2.909530582	3.132831785	2.186917088
4.4867384	1.528377226	2.508824472
3.047009217	2.827037386	2.80235005
4.603546486	4.700394362	2.244150877
2.954945389	2.994258098	2.367694141
2.642440725	3.327779805	4.572922662
4.699737863	3.6205191	4.566386925
2.298608977	1.581083218	2.106084835
2.771287253	2.639253948	1.870550333
6.913096259	2.415658877	4.428560865
2.170463018	1.68571662	2.250528888
1.614016054	1.940681517	2.503610833
4.127102956	3.555206012	3.919553678
2.423122963	1.74423908	1.756465204
2.370446311	1.748786225	3.058500715
1.687490512	2.287222814	3.049191908
3.993558864	2.210223318	2.213298533
1.80024353	4.080493202	4.379172421
3.316562775	1.578079969	1.700838136
2.144859875	1.991316758	1.691068715
3.413791739	2.652706578	3.346825173
3.854617483	3.380462427	2.99975039
3.073562794	2.003228404	3.781451366

3.953383815	3.594091888	5.181004907
4.828853182	2.046588314	3.694334504
2.714727339	2.456263338	1.826659886
1.649584264	2.146737634	2.622131701
2.640344567	3.769066089	2.537029602
1.664610943	2.766795753	5.258951579
1.537345243	1.820629938	2.441468696
3.268616885	2.458902301	3.263344391
3.067866719	2.193085602	2.112445932
3.976743893	2.865391184	2.885363767
2.998227904	2.136711765	2.699803656
1.829268933	4.079303323	3.683552517
2.283436643	4.475503826	4.814474098
1.619883736	4.791314139	3.126005603
1.611152578	2.419240165	2.681016096
3.286462518	3.365098787	3.702695566
4.481024946	3.401738472	4.223959087
3.250301159	2.960297335	2.796365507
4.067400878	6.408631885	2.956796033
3.936154089	2.854310407	3.691114999
2.558597882	2.49843029	2.297191508
2.254434712	1.999912694	2.618909576
2.409477064	1.721656355	2.482288006
1.811164066	2.449932852	4.349072031
5.291196695	1.531441188	4.091120194
3.529702532	2.917665225	2.456302005
2.917502481	3.044287829	3.985486178
2.385932043	1.660666594	5.236907995
3.214844778	3.767879405	3.474726316
1.562302284	2.754572954	2.985393849
2.128422218	1.850193238	3.038336096
4.217811329	2.884809672	1.845396755
2.324729101	2.643231247	2.325528295
3.688883169	3.858887705	2.359447285
4.573430256	3.002230842	4.01433954
3.874955782	3.144395943	1.667281605
4.269758053	1.582731147	3.088954578
2.258889773	1.799383774	1.703212049
3.23284394	2.751517089	3.641964427
4.156462202	1.661027433	2.503385142
1.506303328	3.785340193	3.715734186
3.510207407	2.272455023	1.800551383
7.323419162	3.007542803	3.377197438
3.495430675	2.974301792	2.782558208
3.543891595	2.17283964	3.675516802
1.603440659	5.484882985	5.781415492

2.816701816	1.761895901	3.95560653
1.554576012	2.438748763	2.822381022
3.373328937	1.938911676	2.099447327
1.629274488	4.056786069	3.427708637
2.265412727	2.474380693	2.591726018
1.639005813	3.928265776	4.784926146
2.233445655	2.284221965	2.789153234
2.121630502	5.444454974	1.763193326
3.668599809	3.256992037	1.85483925
3.807663078	3.158318383	3.394903528
3.176772084	3.200336391	2.431711911
2.063489783	1.751861687	1.756841502
3.48581218	1.688191177	2.112318497
2.576271792	3.583311332	4.921909703
3.022306651	3.324040157	1.623836899
1.742838735	2.590882952	2.048326786
7.127480497	1.802181113	3.040010773
1.678003779	2.664716391	2.17423329
2.868947313	1.731933651	2.989560761
2.10584673	5.314158461	3.845904631
2.946514957	4.378897814	2.274610041
2.828728012	1.571290421	2.409524638
5.439198729	2.829517297	3.293563881
1.593578269	2.960209652	2.67495053
2.276152864	1.605282025	2.046842352
2.240078098	2.103288147	2.079148202
2.318694323	2.094387353	2.075174292
1.492282218	4.691940483	2.263609921
2.596841294	1.652325135	2.005039598
2.546570397	1.728688539	2.556724794
1.485353321	1.864503541	2.535318099
3.672014471	4.044879966	2.866805215
2.115278011	2.233139866	3.134610877
5.079678041	2.579123188	1.842193507
2.416671183	1.760134645	1.747270625
1.843048153	2.195859814	1.564892362
2.587586182	2.337209518	2.254878461
2.967857226	1.494352986	3.893730247
5.205966667	1.633253694	4.907406272
3.141345633	3.475162857	2.268947808
1.974975676	1.935883944	1.549269364
1.661085252	2.211890799	3.327091569
2.307786057	3.774819014	2.237013391
2.987465033	1.769211715	2.110113792
2.278448013	1.838256746	2.009106501
3.236133441	1.464527164	2.666646129

4.616666532	1.575355412	2.013612792
2.717635219	1.880988469	2.789410503
3.008740279	3.521885938	1.707176264
2.72959043	2.811748959	2.352844783
1.815495002	2.318357472	2.625231323
2.447607978	3.063078753	3.096952903
4.571298172	3.885641428	4.36370602
2.529867268	2.167112588	1.783015851
3.287516548	2.091820054	2.728645493
4.460480068	2.073441122	4.546779518
1.631845093	2.653304907	4.92640189
3.620049325	1.492018201	4.346809971
4.059843951	1.57760336	3.946064649
2.614364521	2.117339156	1.967185567
2.329211459	1.788027582	5.039622469
4.773634291	1.473156703	6.851465007
3.870998621	1.510717126	3.493126534
3.154691533	2.793389008	3.113996588
2.531299812	2.321390796	3.09465096
5.164166326	1.78134601	2.90225028
2.557777173	1.54265272	2.054711092
1.929670045	2.113747816	1.816548629
4.102065314	2.752546776	3.716395628
2.819482997	3.653162663	3.124722506
2.251574355	2.372080204	1.973521204
1.709309346	1.990104069	5.855933501
4.831002085	3.814116812	1.561866345
3.518833483	1.66800471	3.952023333
5.255135474	2.505697196	2.613332206
2.182901292	3.975343045	2.358383861
2.536618419	2.504259654	1.635071317
6.259042204	5.59491387	1.595497978
2.859224741	4.842179841	3.431858198
2.988144582	1.721120405	1.620690702
3.638229851	1.958183067	3.64608897
4.255491533	2.291963726	3.476179162
3.732388018	3.216411554	4.124770806
2.305077022	1.990572128	2.229647311
4.34762707	2.784070664	1.461678587
4.726031013	3.41347916	4.309683144
4.179166495	3.628451472	3.319924804
3.144426824	1.476431936	2.521769259
2.306280525	2.255110739	1.589086039
3.470569223	1.464002449	2.291703382
2.727714163	2.408896794	2.213886501
1.628115768	3.851544294	4.069183199

3.700545401	1.408869812	3.088507408
1.747027247	2.546477478	1.550514952
2.538219928	2.740150938	1.569371748
2.187669124	2.6901659	2.609913977
1.652979115	1.852399659	2.158678141
2.828113753	2.283602013	2.537192441
2.325394656	2.485164565	1.718993659
3.806330677	4.580119874	3.655509372
2.128242751	3.086540497	1.812755642
1.50407751	1.878261587	1.855916385
2.751613888	2.05954732	3.826674209
3.681544417	1.570901774	3.769753517
2.640446683	1.821894615	1.89319391
2.869972341	1.727987174	2.734131732
2.15845137	1.4285205	1.744574117
4.068566065	4.244087042	1.776346611
4.837829355	8.002704323	7.747252083
1.780219511	1.770141083	2.092456128
3.227457607	2.815558694	3.386997183
1.978214541	2.944028709	2.187832736
2.460956855	2.254824238	1.785359312
2.918017612	2.145272676	1.846497352
3.883911605	3.790938424	3.726221512
2.778531974	3.585089658	1.525882816
2.926884363	2.297719294	2.909123305
2.522232494	1.774601116	3.71054744
2.299223164	1.961021237	2.129446737
2.334444442	2.424620136	2.639456316
2.082406335	1.733927388	2.419543535
3.419500425	2.045258597	3.105938704
2.942402093	3.167397052	1.639544621
2.448546514	2.236824951	1.695014495
4.160115067	3.292838785	2.173985369
2.823329608	1.653984081	1.808771943
3.821788476	3.083720786	3.376489949
2.184409958	2.503830199	2.159854135
1.954518709	1.665770215	1.545890531
3.296127358	3.886020403	3.283397467
3.637829945	2.76774114	1.672268522
2.116841598	2.495255515	1.651821761
2.68864443	1.538778588	3.122356686
2.392176922	2.14783121	1.523102133
1.458785837	4.370006529	5.983028606
2.960461282	1.609230295	2.007129416
3.79873692	3.149114112	2.963403452
2.194718697	1.848170393	2.423649924

3.799689147	1.467601405	3.473886737
2.52345377	2.099287686	3.246969476
2.113097577	3.712180706	1.546704732
3.621685374	3.278391677	1.413292
3.539982141	2.116910085	3.325262768
3.356611282	3.586721827	2.236055402
5.104746281	4.989033168	9.269189204
2.138722041	2.441418125	3.298568699
2.863335023	2.260150751	1.758245773
2.6715041	2.014222932	1.333529676
2.72692742	2.545485461	1.626452398
2.331340918	1.812946208	1.565849062
4.314458355	1.748145571	2.358323347
4.09287139	2.720410133	3.936574213
3.338481226	1.34352844	1.619937781
1.608658396	2.318355609	2.29596251
5.11217747	3.482767677	3.786839199
2.881756855	2.535683992	3.096151354
2.127367741	1.597497896	2.190145996
3.606638718	2.78904664	1.604259139
4.29930219	3.9695024	3.937330736
4.888698916	4.688017205	3.908791811
1.892845735	2.465595933	2.594809381
2.455453242	2.792605651	4.017542063
1.805023786	4.52027762	1.712366849
3.185376446	1.459423266	2.446892759
2.312453395	1.622771929	1.93691267
1.923748628	4.208051269	1.569591975
2.927929488	3.249008847	2.739267697
2.750265977	2.905174827	3.276883534
2.080558541	2.125380142	1.972733399
3.320050519	3.404002365	2.338115219
2.996701689	1.848299283	2.174612716
1.947390612	1.959545032	2.886448141
1.55977814	2.780856355	3.459771575
3.730262576	5.378463379	3.96380703
3.063734022	2.202422152	1.74912077
1.560779894	2.709764142	2.701873879
1.373450113	2.250937199	2.318188975
4.89349864	4.253514143	4.577868251
2.487024593	2.359363605	2.951148617
1.438406021	1.885086259	1.613178299
3.261779051	2.59293469	2.147939552
1.966034426	2.209253426	2.136484436
2.61330557	1.363021532	2.985985489
2.295453944	1.758190847	2.205493145

1.388568331	1.813451993	5.026895258
3.333736302	1.459589168	3.057464278
1.576264734	2.653420928	4.533345751
3.694676282	1.772378519	5.64109731
1.400730486	2.988446793	3.731016013
4.471119815	2.961000501	1.672594051
2.115741003	1.598434705	2.881557571
4.523460887	2.468026787	1.448236558
2.058107123	1.939690325	3.093926881
2.967526592	3.009760205	2.495339148
2.020805648	1.899919846	1.882941508
1.649185417	1.3503979	2.32528097
4.724781513	1.674894333	1.649542561
2.754499505	3.751952059	3.051417448
2.525046589	2.210770748	1.780487842
1.950593358	1.469230612	1.905977895
2.595227257	2.117171453	2.25589985
1.956771131	2.532281294	2.624442346
2.320413715	3.592763668	3.929696081
3.168106385	3.642014754	6.421794401
3.972536457	3.188593548	1.610752448
4.242277362	2.84904925	2.1625506
3.900647649	2.382741186	1.848762715
6.945885325	4.76732247	1.474487755
1.663048595	1.679838371	2.012836554
1.259841054	2.927300283	3.765436364
2.566061886	2.197865856	3.033526025
3.785145061	3.529184654	1.435155215
1.423906749	1.647289332	1.609557787
3.979136263	1.296481517	2.856242758
2.574021339	1.651228278	2.069971336
2.339331287	2.64396005	1.416674559
4.759708237	3.17054734	2.892071689
3.382765037	1.428470253	1.543704782
1.339043462	3.471228709	2.268511019
2.150244673	1.424746894	1.477256151
2.295705051	2.169295588	1.293867476
2.976198563	2.468724583	2.194602933
2.716368003	1.869154488	1.324831041
1.41126614	2.995884368	2.680644458
2.13583621	1.627273518	2.801118073
3.62042073	1.25297469	1.565179307
2.944054841	2.09297423	3.064285958
4.058155276	2.0878574	3.420254801
3.552443363	3.033682247	1.705483359
2.29753132	2.333197843	1.498826428

1.292893164	2.073990438	2.539559863
1.494467482	1.645809412	3.213776009
1.624674948	1.965914771	2.829227439
2.864580475	2.289005434	3.335123597
3.685466325	3.530561033	3.251134857
2.538082397	1.303452835	2.293276527
1.737280645	1.336535014	1.838909707
1.877560826	2.457751609	1.419717251
4.714441574	2.161892294	3.637442055
1.563075417	2.466718442	2.681129752
3.770004135	2.739274745	3.898811773
5.195258547	5.111091628	4.052353132
1.267929801	1.981575971	1.589279144
4.122960684	2.727919794	1.912843587
2.507226729	2.933759102	2.419923561
5.025784479	4.101310832	4.804958846
3.541518383	2.572489154	3.466851802
3.567211965	3.069490386	1.332016036
3.031492653	3.509310375	3.470657094
3.929906899	3.904987978	3.639076422
3.176151427	1.31809367	2.143457687
4.22745054	1.859894264	1.316376601
1.744626395	1.502680001	2.065455122
3.344181472	3.064008054	5.677024975
1.236020657	2.624091479	1.94715887
2.001092309	1.893746663	1.726289044
2.603719503	3.564316313	1.676319289
3.411916591	2.534805452	2.051749506
3.452699691	1.740971145	1.222415427
2.92483584	1.435682086	2.548844625
1.196108789	3.383406782	4.071113882
1.292193869	2.414581433	1.797953392
1.445152715	2.944863855	3.137530509
3.288216187	1.643073242	2.200448646
3.172043697	2.490008648	3.016320956
3.327446581	1.449744326	2.267012973
2.910156838	2.40322647	4.264385234
8.525722012	6.910029026	2.09462926
2.132296321	2.185885588	1.591807287
2.091438108	3.303668085	3.627837188
1.431484921	1.977704745	3.719194584
2.48160626	2.175105461	1.482435585
1.463300145	1.447354265	1.934557261
3.310394754	1.410847018	3.589055486
1.334822209	4.100316537	5.123421522
2.362773436	2.022782015	2.204935376

2.817125787	3.271258321	2.893462595
2.25303438	1.597026871	1.447740232
4.498018008	1.624627755	3.263876095
1.247636301	2.290956813	2.685760456
7.178300159	5.179234564	4.63242784
1.250399546	4.983898392	2.775620807
3.374222677	2.529392153	2.595076932
2.50993193	1.321212711	3.075856094
3.824163076	3.069414374	2.719770127
2.285718886	2.275029288	3.450472254
3.335710031	1.25854105	2.050521109
3.430258697	2.664524626	1.397275668
3.257587338	1.860987406	2.885264827
2.306157158	1.442799917	1.512502105
1.346290364	2.859991525	1.581219692
3.407754998	1.192340725	3.034382922
7.01211663	5.113895404	1.528584952
3.521453519	3.371084589	2.438495811
2.333649436	1.82603205	3.30887323
3.030693367	1.881526465	2.060568152
2.004717443	1.398391743	2.785839358
1.271198276	1.94000278	2.198733058
1.802694668	1.765433518	1.723043249
3.09989035	2.568448549	1.402461848
4.200567385	3.549915358	4.654740338
3.372384289	3.470503665	1.819299611
2.558507187	1.213913287	1.815321805
1.855162274	3.272215664	1.452214502
2.587358226	1.941732065	2.615341669
1.607405572	1.353898598	1.906696697
2.944523567	1.774177796	1.308199606
3.837813955	2.035556918	3.773127329
3.027907733	2.046479498	1.880581405
1.180234842	2.959477112	1.608495339
2.414574609	1.803036766	1.393461913
3.926548707	5.037143707	5.849048814
3.445155556	2.493409788	4.05870796
2.598387087	2.336016921	2.645184309
2.792307703	2.183445221	2.477217869
2.036582016	2.445741715	3.025924459
2.479479737	1.980821441	2.177253003
2.280907736	1.172960927	2.405680778
2.12012536	1.644877565	1.371583923
2.318829241	2.067786169	2.488397258
8.270617893	4.686942459	5.604370185
3.056158888	1.435407157	2.521037801

3.430948001	2.798552902	1.197568011
2.231320743	1.160142676	2.923872182
2.556035648	1.18273588	1.715263229
3.119341236	2.255930406	1.384561388
2.931948888	3.136657312	3.252132255
1.810195403	1.849516497	1.274724307
2.755991511	3.358454498	4.233851308
1.684799223	1.634081698	1.423776927
2.301333275	1.267236973	2.860608315
1.845356528	2.007218253	1.751520439
3.07246101	1.287685166	3.708026722
1.698799524	2.01247579	1.984884096
1.330924104	2.615835058	4.35467139
5.323409876	1.217215547	5.283048113
2.380334865	2.982398632	2.537096342
1.563806577	1.628250737	1.824892425
3.4043805	2.163242002	1.240438814
2.868008559	1.320950771	4.539694652
2.25355086	1.931144102	2.371211708
4.153213142	3.744511455	1.238773625
1.568864624	3.07630494	1.531274519
5.099944736	2.206517674	1.254968146
2.52559965	1.48613561	1.684248633
2.509790633	2.548832288	3.24870942
1.673901428	1.185906019	3.190449021
1.237691872	3.077666949	2.734655356
2.910154842	2.764932387	1.929224563
1.905566764	1.835567614	4.32889129
1.541042362	1.618769431	2.490365834
3.898006186	3.276960959	2.810869495
2.439582048	1.920425305	2.371279045
3.102450857	3.373034429	1.592340468
2.549654025	1.350834327	3.578296838
2.993837392	1.930129924	1.718277348
3.564640278	3.068304742	4.3067538
1.344516814	2.349538223	2.727815518
2.939849998	2.394588383	1.408866263
2.519383053	1.858919188	1.620398311
2.856982816	2.716239888	2.188084854
4.348708684	2.48122581	2.584145137
4.022303115	4.954082148	1.22986998
3.718655203	1.538346216	2.652421854
3.667149267	1.60796066	2.867429557
2.575324235	1.718846119	3.643684659
3.14220576	2.424753254	3.153933069
1.662528886	2.22973411	2.188581834

1.524592949	2.60361454	3.952881191
2.025074287	1.748931851	1.87029406
1.807204605	2.158744382	1.488264114
3.959613067	3.328811136	3.362006917
5.352337283	3.418889665	1.108698029
1.562862791	1.533591245	2.624342049
2.255093301	3.534386752	2.060390109
4.328277484	1.158161759	4.141970268
1.836340819	3.797295559	1.621455069
2.017036441	3.003638236	3.01508533
2.273235271	1.715609113	1.229873339
4.642139053	3.275646482	4.906169526
4.763185916	4.17220518	4.661864965
3.816616392	2.223175538	2.980097333
3.203337058	2.132083859	3.182553861
2.927666038	1.238182583	2.255821048
2.042063753	1.594064083	4.054104057
2.044163527	1.535852468	2.140233998
4.207250133	4.108067998	3.747597745
2.919201801	1.598579437	1.601964219
1.484147952	1.390899414	1.472106281
2.817024077	1.531404956	2.639539012
7.796877549	1.117074391	8.791132517
1.195421725	3.894874883	3.357341025
2.647201788	2.214349497	2.574339797
3.676309078	3.077658912	1.476896078
2.37668111	1.901824199	1.9937298
2.593811366	1.27647467	2.259207871
6.666444354	5.208672306	1.855459948
1.391774376	1.456486563	1.693330173
2.496868235	2.399848341	1.571615211
5.138383846	4.555807712	4.505304964
3.073154899	3.946316849	1.321493344
3.525418007	1.867586348	2.885564367
3.845989725	2.981284713	3.473696609
1.655107586	2.225183576	2.60450584
3.356869539	2.750020212	1.948568706
3.255837459	2.588499414	2.321150616
2.354447082	1.304912452	1.99288174
1.430114383	5.095788871	3.009520932
1.082272804	4.467128955	4.583478539
2.261355612	2.168803641	1.874755939
1.531654396	2.405164997	2.480771149
3.949288349	3.352260106	1.299037613
2.967818295	1.229028584	2.170780143
2.770285642	1.581321699	3.032324597

3.447701174	1.234647655	1.736126119
1.838021787	2.551903732	1.559033873
1.490765928	1.889764325	2.953372233
2.55107253	1.780565148	2.807969613
2.021257496	2.627828841	1.575756235
1.052772152	1.612310779	2.143131963
2.155195732	2.119802996	1.867655593
4.483103309	3.11904794	1.129590552
7.938649838	1.455519188	2.279876556
1.873954647	2.552085765	1.907803549
1.858463542	2.148658434	2.314380928
1.894770593	1.527873879	1.966598536
2.686148634	2.602164104	1.275660401
5.039120986	2.399024078	6.762045299
3.481063053	2.325636257	3.364796851
3.369611499	1.750347526	1.445990156
4.272965754	3.789908954	4.432379255
1.235204927	1.7486699	3.645686543
1.576985981	1.097517588	1.717442162
1.040189075	1.991367251	2.309631686
2.945149964	1.748492648	1.075546957
3.712084667	3.039302407	3.096460283
2.7368673	1.906895917	1.312748451
1.83628696	1.304182038	3.69139232
1.22894439	2.778462103	1.126013448
2.241799755	2.021661524	1.857522836
2.356897226	1.94288189	1.987674317
2.940151408	4.301779725	4.66506958
1.298216358	2.060850691	1.692306001
1.597649809	3.691325228	1.98106073
3.147926691	2.547131768	3.284634019
4.256524065	5.64035123	2.977862968
8.10879322	3.329113466	1.107803947
2.7906095	2.239281128	1.993925687
4.393978626	2.643007363	4.608149559
3.977440263	3.002040013	4.962677102
6.350908538	1.727032729	2.379715636
1.938520105	1.317083158	1.246042799
1.206953753	4.467578786	1.634031329
5.113751839	4.572498181	2.771849553
3.736127179	1.180125536	2.506725243
3.941309909	4.442018935	1.925749135
2.262896843	1.26078559	1.461420643
1.235499005	1.155419331	1.688785622
1.158435307	2.893653564	3.834534886
4.039144909	3.20248239	4.67031823

1.970880556	1.219994019	3.144577053
1.054234955	3.831771977	3.158418737
2.647909898	3.360413814	1.988533997
2.290124227	2.961122621	2.596905025
5.132559383	1.337269649	4.699424836
1.762743942	3.326032818	1.015558214
2.551414961	1.239400177	1.401638499
2.240268003	1.462723097	1.875546483
1.153259921	1.542939222	1.165613089
1.440171014	4.001074105	2.196361758
1.393142998	5.655208514	3.364974547
1.342115617	2.176681787	4.125063532
2.892935256	1.132809753	2.006059147
3.490575499	2.504431397	2.908402781
3.903388111	1.22441576	2.891500256
1.7532493	2.099844232	2.784225671
3.156354901	1.322792795	4.323342251
1.9584201	1.536895981	1.706253348
1.194031881	2.96804739	1.4018981
1.350909572	3.637088939	3.481942638
1.73947146	2.355110577	2.253489835
1.845461689	2.867715087	4.173075829
2.554119506	2.805295132	2.289360789
3.296741117	2.712450286	1.329372858
1.691665034	3.474248921	1.534611911
1.729843209	1.106972995	2.732533453
3.027747637	1.056515458	2.593159447
2.51156481	4.098044526	3.807593524
2.28572867	1.357997232	0.96291867
1.010873398	2.806101076	1.200344252
1.897280967	2.450243572	1.593294911
2.362607268	1.96680173	2.018365622
3.132249494	0.970918365	1.605960537
2.509016084	4.131122222	1.204434375
1.484712807	4.393779916	2.068210057
1.066581704	1.427720874	1.461012388
3.476004648	3.031093626	2.489784466
2.584562966	3.48128897	1.542030286
2.56614826	6.946013713	4.914726001
1.247544031	2.274734948	3.035497009
1.391191861	4.355035375	3.586796984
1.103595794	1.370042688	1.542148749
2.482093964	3.200839143	2.0031249
1.078580234	3.040071378	2.116008692
2.029245123	1.802017672	3.69022764
1.5126547	1.20499687	3.409981317

3.05783209	2.947563011	2.031289339
2.298974155	2.359538986	2.19454426
2.175965438	1.139859886	2.841946415
4.621997262	2.119016741	1.362440654
1.056173317	1.404369376	1.470207285
4.400054637	1.013581324	3.650181685
1.449972404	2.88182322	2.649709976
1.025462728	1.45290496	1.119312677
1.71615132	1.725529276	2.513798044
3.131849524	1.473672293	3.484250462
2.067492039	1.567963416	2.003708407
1.261383504	1.723501631	1.433913083
1.030673691	1.483020905	4.527864352
2.877480226	1.810122569	2.768455806
2.748108164	2.80797462	2.579628336
2.045895166	1.529499302	1.962203361
1.864104099	1.147478261	3.154962797
1.407966606	1.19879425	1.738639487
1.378097198	1.218665232	2.061969851
3.539755539	0.985622217	3.562835631
6.352154626	2.015196884	2.938386671
1.807310074	1.238873101	1.324146212
1.088842294	2.828957601	1.747914669
2.387064239	2.496077806	1.247504846
1.265940604	1.550815292	2.48404772
2.371280418	3.362079318	1.532575506
3.178121819	1.696006458	2.011703731
2.516679848	1.426847687	1.841156234
4.07332999	4.377200852	1.474008332
4.388533382	1.988568918	2.602264422
2.472577299	1.021152673	2.198367691
1.252930933	1.006926892	1.258028537
3.556209954	1.400906923	1.284175363
1.069608757	3.34295621	4.137638721
3.167280179	1.03542695	1.348936641
1.413690627	1.448469757	1.090045133
1.650290533	1.75426713	1.097769905
2.850710705	2.098741216	1.028931158
5.696676092	2.626889271	0.978800772
1.141727088	1.387006522	1.596503098
2.441917286	1.750276629	2.552444215
3.250004758	1.046744127	3.026560075
2.821654322	1.182718663	2.071761305
0.890410124	3.194869437	3.51906634
2.342331304	2.527847711	1.821837571
1.646304793	3.130840762	3.052186017

2.923634298	3.192271873	1.679762717
1.681949685	0.915558225	2.763189823
1.430451097	2.495166374	1.167328741
1.266323518	1.562087567	2.410982572
2.370604929	1.991882628	1.99866897
1.550972153	1.713355073	1.396342388
2.040353976	1.826435621	2.087516708
1.083302946	2.499817845	1.984552822
3.03159112	2.145007422	0.972556857
1.727136107	0.946971603	1.491389917
3.565010003	3.457540272	4.613723829
2.255441219	2.063737841	0.96573652
2.20776187	1.630958052	1.796932812
3.268693996	2.777720422	2.591119611
2.068879827	1.261952679	0.993996971
8.329529641	0.996089995	7.050405458
7.468778104	7.973750747	6.539344935
0.966523628	3.214411205	2.709799251
1.311310253	3.538595028	4.073178662
3.545719667	1.244173994	1.280284235
4.363331578	4.050905828	0.981896235
1.17288998	1.152274406	1.903373961
3.594391271	2.815030064	1.030491169
1.99427525	2.567119648	1.141006441
2.534334685	3.629242406	2.603607113
1.060648667	2.4977105	3.028944653
2.112134357	1.485525528	1.036964218
3.536309022	4.552628376	4.064589038
4.991950747	4.577869459	6.288809675
2.751524842	2.436533192	2.904745533
1.023739354	2.396605673	3.783667101
4.169290411	0.875780656	2.068250243
1.381368657	1.161981019	1.865706776
3.079724486	1.158198829	1.974873738
2.020115323	3.304534407	3.088908435
2.610891762	3.02675951	1.721411013
2.89417851	3.511006786	1.539451415
0.955802011	1.140939239	1.477348816
3.059612084	2.343790376	1.003123713
2.370945274	1.014328843	0.951131794
1.591919897	1.127314717	2.105711223
2.645602371	2.381618674	1.011233026
5.023868326	2.617051709	2.37422563
3.078235961	2.320147667	2.312458764
2.594273227	0.956207024	1.888065953
7.361723427	8.075154453	1.311188257

1.664495321	1.668073934	1.814723875
1.722849462	1.01792774	2.31989231
1.409122378	4.111578777	2.824250316
1.467405156	2.493950734	2.150151124
1.63599593	1.384284307	2.684211905
6.233825337	2.567027174	3.016465716
1.395756135	1.12934179	1.758407439
3.287778607	0.954829863	2.222218508
1.342322518	1.846551998	0.883980977
3.201266096	4.029038172	1.103953607
3.073076918	2.667365958	2.770376699
2.622365858	3.033916865	1.314999499
3.410057408	2.759148517	3.800268113
1.981931107	2.625017452	3.662019754
2.613286472	0.875492426	0.971519526
3.453065438	2.202274157	1.377124118
2.69082793	2.211173505	1.992592482
5.350777585	1.581904772	5.010802551
1.961815391	1.842328302	2.19976915
1.043331182	2.328106286	3.00539258
1.72074553	0.999360943	1.626406846
3.432007489	3.772544913	3.288655376
2.488003534	1.692470359	1.041939022
2.931102257	1.557126712	1.887596862
1.593684439	1.342280585	1.759719659
1.66665382	2.36950636	2.324726495
1.195210954	0.936971894	1.572784884
2.62392517	1.315745825	2.186690103
1.842094773	4.024020246	1.060489609
2.445215705	1.673318242	2.271321646
2.759269836	1.034972222	2.682430841
1.758207938	1.894891489	1.485957238
3.023565774	3.467337062	1.233952554
1.633079716	2.732003508	2.30854048
3.203021714	3.099825587	3.451630836
6.924010362	2.844245218	1.972174697
1.086974056	2.782627704	3.228308374
2.137460553	1.131917722	2.299866332
2.192285583	2.261175252	1.919400821
2.654632106	2.074168765	1.025766634
1.614615312	2.716334755	1.113779871
5.280659371	1.338396166	4.201210637
2.513758921	2.459208091	1.228132539
3.320809752	2.895727287	2.463659278
4.228050627	0.837129688	1.98504508
2.750912457	2.695599989	2.984941647

1.559061173	2.017840572	1.971251326
2.517224636	2.63039796	1.137608231
3.994672297	2.99184263	4.284742947
3.312226368	1.91459985	0.942328804
2.187327146	0.992167357	1.753934409
1.261060937	1.17614854	0.888139398
2.433440696	1.810201393	1.402121046
3.005344382	1.843609423	2.394184846
0.984484605	2.859811665	2.286506204
3.11632321	4.27774259	0.837210979
1.773878331	3.042567582	1.246049727
1.342365168	1.234452086	4.082762244
4.694743822	4.692955142	6.928798561
3.369227211	6.389997013	3.805139542
2.019290353	2.63810546	1.583304662
1.819278835	2.700084023	1.2822203
1.955562617	0.882542211	1.540268333
1.741166479	1.723969238	2.655011619
2.370917178	0.932479187	1.259503626
1.782213592	0.820842477	2.199278607
0.861632308	1.892131623	3.028700876
4.880193327	3.477858259	1.218818289
1.068051012	1.198879006	1.882533734
1.86865484	1.01702447	1.0674878
2.159303637	0.918665679	2.085490302
2.83307575	1.900933681	2.324477949
0.935909272	2.346522625	3.085581023
1.080987602	3.131810033	3.550927357
2.066049883	1.048393579	1.371595277
4.660565236	4.766686798	1.539663874
1.939934008	2.215824673	1.120212413
2.492728946	1.23881375	0.949933008
3.694401557	0.868931155	2.194724187
1.755467671	1.751397275	1.41091649
2.89857373	1.788720663	1.22001172
1.842534152	1.70358241	1.388012521
1.708811026	2.138504343	1.301753607
0.863521533	2.828813118	3.664858165
4.042998477	1.236265083	3.061963846
2.402906092	0.900819281	2.306600557
2.643897644	3.339185639	1.317090137
2.593087263	1.997541833	2.106774458
5.155995059	3.632271957	4.934765451
5.762997167	1.793627406	1.793909467
4.71724923	2.243809552	1.887992426
4.103663333	5.208980177	0.811481565

1.51929235	1.475011692	1.245291948
1.631106977	1.140965478	0.803022921
1.245565474	0.762197925	2.741883458
1.341693224	2.295339311	1.257625821
1.935537939	1.380237233	1.269449115
2.441149056	1.03259373	4.126258726
4.52947826	0.714500104	4.584562408
2.701737286	1.780063788	2.565105583
4.943758345	3.871330413	2.843063147
3.886020418	3.269772676	2.985740117
0.869094525	1.23402775	1.271213606
1.017719561	2.62059188	3.168124517
2.474296291	1.971928278	1.151698812
3.683932145	1.319089577	2.390371055
3.902441223	2.849917794	4.497435992
2.830374814	1.380833802	1.707369977
1.295062713	2.474013806	1.579565614
1.876227439	3.324890691	2.442843173
1.068960054	2.880707446	1.652250006
2.224860039	5.66548965	1.024943996
2.583986249	1.730472165	2.508988779
2.245356827	1.13888033	1.771939604
1.873740633	3.859099361	5.192460406
1.979924959	0.829513196	2.137425081
2.058638188	1.765213215	4.407723418
2.418947786	0.857367201	1.188251218
0.851223241	5.055611999	4.898299421
0.742713141	4.365775485	3.995106202
2.626785445	1.16895348	1.524585511
2.077923855	1.074866386	1.271030732
2.550739457	1.068311028	1.888740563
2.141038329	2.192683441	1.962490958
2.826200124	1.505066593	1.341368955
1.199944031	1.316840308	1.467038042
1.316694849	2.72537518	1.701339136
2.083108172	1.19439487	1.23231411
1.320247396	0.854803606	1.621792885
4.527753263	3.542470898	0.957115954
0.871455347	1.283419846	1.855914565
2.633028748	0.82530505	1.638907747
3.015037432	3.251391135	2.737809504
4.204605653	3.700736627	4.230096613
3.318538452	3.243834798	2.477024814
2.237194214	1.264173005	2.908811066
2.215198914	1.90677026	1.844270174
0.885663862	4.465683712	1.895863302

0.843532186	3.052679474	3.282279983
2.123282189	1.068559077	1.944258659
3.295098928	5.808445638	0.820755106
0.720757984	1.486161637	0.894787641
2.904790336	2.261436693	1.021724274
5.530287063	4.031941659	0.772918984
1.602964397	0.762745451	0.850353654
0.708977785	4.807638564	4.087978964
2.176050297	1.399492832	2.677757971
2.243455496	2.304313411	1.35825254
0.949270764	0.751876796	1.012935051
5.477167588	1.093908698	3.885756701
2.455211997	1.385867598	1.843783535
1.015992496	1.914844186	1.348721059
1.901979542	0.962029869	2.848920411
3.189828003	1.685430439	1.412748895
1.833474043	1.793303774	2.785371945
1.626874491	2.762764428	0.942811401
2.393779857	1.639494991	1.312817801
2.146508555	0.641192972	3.112630615
0.953590886	1.260145529	1.312499318
2.207459794	2.615516554	1.061465749
3.164658402	2.383310486	1.405192995
4.183350511	0.737956091	2.740579404
0.750498758	4.276175463	4.238388006
2.776655343	1.133649555	0.995161015
1.554425756	1.179988779	1.794673756
2.342875983	1.580588839	0.932658197
1.612789677	2.841130522	2.655612466
1.996435351	1.437539705	3.00928066
6.254967045	4.755689423	5.219641791
2.707335857	2.197602254	1.883890652
1.0434433	2.000807278	2.428498147
2.80932077	1.237432674	2.237864919
3.425046409	0.859513183	1.632020213
2.778069793	1.697656392	0.68244683
2.644546994	2.130991244	0.665188314
2.203613776	1.10070528	3.302567438
1.860781965	1.381757629	1.757718442
2.943556872	2.52346679	1.789335386
1.401247591	1.800329976	1.354786058
1.300490416	5.299786145	5.001997795
3.550742521	2.053751778	1.781747669
6.767885285	3.504671865	2.350127267
2.339258495	1.547250191	1.916444815
5.899505939	1.190095412	1.409742544

2.252164608	1.133677319	1.595598701
1.27573492	1.803019236	1.44428024
2.558614258	1.524925219	1.715068581
2.414753018	2.105074176	1.657608042
3.52431309	1.043611896	3.694454575
4.180210772	2.67384584	3.293191541
0.873910152	1.410840855	2.307105765
3.022251762	3.429977293	1.699573561
1.408994972	2.689506019	1.148806681
2.308544613	1.454424047	0.835498414
2.200316451	1.655618051	2.979469488
1.758022126	1.372248872	2.123339241
1.989220868	0.823838025	3.160387438
3.954351155	2.798972816	3.67441918
0.854549256	1.671212282	1.650823486
3.041521212	3.656267939	3.353003776
3.37726656	1.571268274	1.383517406
2.491854027	2.164768933	0.96991119
2.618092688	3.06853818	4.670101222
2.988343316	2.300183239	1.384368393
1.747451119	0.994167637	0.976720474
3.508829483	3.586381861	0.86258606
2.419243137	1.582334236	1.808618932
2.498794136	2.968071979	2.770126458
2.760329627	0.637247732	2.39556393
3.96794566	6.654232087	0.870217301
4.656698522	2.231692917	1.786766658
2.051099176	2.903517742	1.446370637
1.027279721	1.480213429	1.44368427
3.295564963	0.803702838	1.054770595
0.7599955	3.819411554	2.230852809
4.532576115	5.494941812	6.524908775
1.677129698	0.668147924	1.670818487
0.681082003	1.409731093	3.651406348
3.231975127	2.958463573	3.084193388
1.776277134	3.124130693	1.14766369
6.401152583	4.716618053	5.416437498
2.149064329	2.366789928	3.540628208
7.412395436	1.582449582	4.559474523
2.361230996	0.610131167	2.188831994
0.71645364	1.774885139	1.164451861
2.506972272	0.949034824	3.601938503
1.368148024	1.139587057	1.603092401
3.507999496	0.939738558	4.275206693
2.221599056	0.685688235	2.739080134
1.069012044	1.475876433	1.802004908

3.238638244	1.237862001	2.901142212
4.042646863	1.367430622	3.014785914
1.693599953	1.712353575	1.674555491
2.767660184	2.592803476	2.755306966
1.677444566	1.172648999	0.672585501
2.011353287	1.421664906	1.963651676
1.289581011	1.10277844	1.163321698
2.550366452	3.129437828	2.784431496
2.738910897	3.254305984	2.881855003
4.515534104	3.457054669	3.403405778
1.607248284	0.986160831	0.62051151
5.219455454	3.404396421	0.745663533
3.283559575	1.980480615	5.429590554
1.969342674	1.922024229	1.151528938
1.988147215	1.217473496	1.913149325
2.494158501	0.677646302	1.493778239
1.824710007	2.105218521	1.846229939
2.324626323	0.747312362	1.757500901
1.397131749	0.957424251	0.941171641
2.939880285	3.630429039	3.340826278
1.371144764	1.551193022	0.768975756
5.324262103	3.339250672	6.187784631
1.09958335	0.795360664	1.285887223
1.452982904	1.370705351	1.506239231
1.305745246	3.649636812	6.078080966
3.636353929	0.578878204	2.65113128
2.495994365	2.661577514	1.658416862
1.632606515	1.50067457	0.801900586
0.904647137	0.82844292	0.914754491
0.644150471	1.746484061	1.912781142
2.248377785	1.895905712	1.978139504
2.355596174	2.37685077	3.348962096
1.908601518	2.818788108	2.04676481
1.981381631	1.015585055	0.765907428
0.714285635	1.462145487	1.748832193
1.983006038	0.65006123	2.94079771
6.505833156	3.296903645	3.831194943
1.542586312	0.790878359	0.940291437
0.932007465	1.73174813	1.476732034
2.739481352	4.109544587	3.530614216
1.543225483	1.670654316	0.605280881
1.994344313	0.826043244	1.282279743
1.416928046	1.247980722	1.057995383
1.528915237	0.620067867	2.710178925
2.691093937	2.761265339	1.740430249
1.61698346	2.532387318	2.527270673

2.262341275	1.166576519	1.810245519
1.09248568	0.828685025	1.834947156
1.963765621	0.851866477	1.339121353
1.07395709	1.117847239	0.868468338
1.235591559	1.172039424	0.945686423
0.840970011	2.257844063	5.236239876
1.200744064	1.752314056	0.988735831
2.3746103	2.436084905	2.720033633
1.455696176	1.763859938	0.896063343
2.457811027	1.109063071	1.680443428
2.335296559	2.110286721	1.272365643
4.055217459	2.311997796	2.748936197
0.774942109	4.69160853	1.214169892
1.280439437	0.512132033	1.540875429
1.482451173	0.900565293	1.592453221
0.783029438	2.734363321	2.286336862
0.670476192	2.434276631	0.969493037
3.035254319	3.514238956	2.39195495
1.788665978	1.299510264	1.434485921
2.917874629	2.363911805	3.351699808
0.656388729	3.904524792	2.41041838
1.150414885	1.039516852	1.732553433
1.330201217	0.914983789	0.770389027
2.846582741	4.150116741	4.313065469
1.024180235	1.341878234	3.934882155
1.861096686	1.742196612	0.773793665
1.473721671	1.190010474	3.782984817
3.446669129	0.840818627	0.8206551
4.818900114	3.158617855	1.063123566
1.81235342	1.018367278	0.766169388
1.065803105	8.667321176	8.662903694
2.270313485	0.580235161	2.082157812
1.910860751	3.456459843	0.552908426
1.109670003	1.582947934	1.040860714
2.705482112	2.61994156	3.27622274
2.227124742	2.11309146	2.116945008
2.290913841	1.264100623	1.677852466
3.493554088	2.840510694	4.30581608
5.680726214	2.722100014	1.232092794
2.073565489	1.460904674	1.703757337
1.806900367	1.120582477	0.810016266
0.761465307	1.480805726	1.339658018
4.036656174	1.839190913	0.759808788
1.243162971	1.554966319	0.526779294
3.889101506	0.728773234	2.337360914
1.617944483	0.987370211	2.540830191

0.826745859	2.14825729	1.402468536
1.069050241	0.672426017	0.782641063
2.724931808	0.994051896	1.625454695
1.113945989	1.14133946	0.94656006
1.054686148	1.700019901	1.638215543
3.650816031	2.929148624	1.279307803
1.760052096	2.308381448	2.278768251
3.99872438	2.723032665	3.92799112
2.694571269	1.459957798	0.674785957
2.350063682	2.229741002	2.066878707
3.118891019	4.036882557	1.824857244
4.89921156	0.711392613	3.993641135
1.446846138	0.803183297	2.070771635
2.11889731	0.91795443	1.180403224
1.348507162	3.195897376	1.778087203
2.50631592	0.908873029	5.429070277
1.09386546	3.479505029	3.670015443
1.095020127	1.870389911	1.182633073
2.020517665	1.62876301	1.730947482
1.717207504	2.821880229	1.817412464
3.270789541	3.906101988	3.72628666
1.19847874	1.030999467	2.066507119
1.813478292	0.644594755	1.612556532
2.052598304	0.651010567	0.657421917
1.611080617	1.411902707	0.617155797
0.508926177	1.325399463	2.41548678
3.41080805	2.780655721	4.540360707
1.697144607	1.676319263	2.182314769
4.042346955	4.414971472	3.579854807
2.635555374	2.382971129	2.079403568
1.116137532	1.748373445	1.358485901
2.122500417	0.971616773	2.845177254
2.670545643	2.544374551	1.628671233
0.425407684	1.346657487	3.28682554
5.466623505	1.152393259	3.327192086
2.178597141	3.048914803	2.903330154
2.993452722	4.183454938	2.931174378
4.57920931	4.138896847	2.89363749
1.582532147	1.607632377	2.291404528
1.402775762	1.518171389	2.057138231
2.803445414	0.584869895	1.274799927
1.415252366	2.657888721	2.991219598
1.723189771	1.753876177	2.282522178
2.338305822	4.784938001	3.303990421
4.541812524	2.461819102	1.286873192
0.943018978	0.829887955	0.888156012

1.43288639	0.998214464	1.642725389
1.88294103	0.873025393	1.700877423
1.948232356	1.301370625	1.400160488
1.217777729	1.581680791	1.675733049
2.038193671	1.607721879	1.293493227
1.395898909	2.141101541	1.076951789
0.64214845	4.324231826	6.368130995
2.66970801	2.749613946	3.562790182
1.091166103	0.970846228	1.737763977
1.92582116	0.468051623	2.982877404
1.48467698	0.735480711	1.741192551
2.263216077	1.368331429	0.611083153
3.435254044	3.473791086	2.615920831
1.918959746	2.968821181	2.823547139
1.177372624	0.604702634	1.764198036
3.037499302	2.001815646	2.783848977
4.740872136	0.604980027	4.330039878
2.148069794	1.448562934	0.815569584
3.838186672	1.584196684	1.63404344
1.529734064	0.711761014	2.76741782
1.528803596	0.7234436	1.27259167
2.254149382	5.386694237	4.78529911
2.054713377	1.128156511	0.833718718
2.038788014	0.738365882	1.677455111
0.506895723	1.752359484	1.221205858
1.492109242	1.215788443	2.305492786
2.05436051	0.461858209	1.771540679
2.115169146	3.167164558	0.619243403
1.63812412	0.478151904	1.005199552
5.07801294	2.53902225	0.792813753
2.520816152	1.068135424	1.323048685
0.65431051	4.158397033	2.290048545
0.682596574	0.866213159	2.142218571
0.433633765	2.900596821	0.477869514
1.195013515	1.217675183	0.794217505
1.852115227	5.328901001	3.974027096
3.613437597	0.509623315	1.092960316
1.879125825	2.140300815	0.452335696
2.163449784	2.160601644	1.456770742
1.952704391	2.281279314	1.431014092
3.85356899	0.988277722	4.054074394
1.287637212	1.238811868	0.983230233
0.849771528	2.851696193	2.84361639
0.80906823	2.468031582	3.030873541
0.900300119	1.148883853	1.011687293
1.907101081	0.61160256	1.356529479

1.6628029	0.643554187	0.989365576
0.903721451	2.190086534	1.6851416
3.771238373	0.692473565	1.638256999
1.599593845	0.466166727	1.292693093
2.30128244	0.803543252	3.408624152
2.525927239	2.208557036	1.047130883
1.862945814	2.20940649	2.089779461
1.554897698	1.86619697	0.442366662
2.444826749	0.343770426	1.01382666
2.783316625	4.371574983	4.74933788
8.624976608	4.627122759	3.940812091
2.066151711	1.650308377	1.519785395
0.531724474	1.748887304	1.36529366
1.103393837	1.119735213	1.236036223
0.485883116	7.009905853	6.782307528
6.838054966	7.874353837	6.985145541
1.849365393	0.568294306	2.663284013
1.473707866	2.089411606	1.82277597
0.411959207	3.359374924	4.162014504
3.873384525	3.635486059	2.597307808
0.614427619	0.806616954	0.645817023
0.983515015	2.693050805	2.353616192
1.741366367	0.941705233	0.597787946
3.438098282	1.11429033	3.380971804
1.617025699	2.364898978	1.318836992
1.69529353	2.346472384	2.140145489
0.883151516	1.262914835	2.626591373
1.821304445	2.794028563	6.167025763
2.275483821	0.821991154	0.934335122
3.63453227	0.40801834	3.252498946
0.717167897	1.614292916	0.665945901
6.828189206	5.610917249	0.432515272
1.658788712	1.789632569	1.117086464
3.350090848	2.690370282	0.475597101
7.556747915	4.764858176	4.309689305
3.044104684	2.120311441	0.385596015
1.145672799	0.90718307	1.423152256
1.303863642	0.990395835	1.044727473
4.683090916	0.578398028	3.26310878
0.842634237	1.510050699	0.661017322
0.399917906	0.578993661	2.738139893
3.018249524	0.676710288	1.77505348
1.49071419	1.339315497	1.837139074
0.974786901	0.466223146	1.188057112
0.851513654	2.235182816	5.569258862
1.421987631	0.768788641	2.478239842

2.424765869	2.480306387	2.848133872
0.863592441	1.940183177	0.720589624
2.143794047	2.695147344	2.27130287
1.451746093	1.732116419	0.959275143
1.900551905	0.965917787	1.003646341
2.840613509	2.756454113	2.602428855
1.977797125	0.396976655	1.829292772
0.570118666	2.140459281	1.92769663
1.353926605	1.698498081	1.468885388
2.962140171	1.611154303	1.470883902
1.216883661	1.188578524	1.006491028
2.520584435	3.68906623	3.791886306
2.479529714	3.65553958	3.301545068
0.830254875	3.40053931	3.723581561
3.032517676	3.012855119	1.100355499
1.103233824	0.619028565	0.92663602
3.768623601	0.639852019	1.669183826
0.468794933	5.39908159	4.048820567
1.145725589	0.977237527	1.324144885
2.264258334	0.922376709	0.702214215
1.918362741	2.136131532	2.114659919
4.740308394	3.852049351	2.576073233
2.271020503	0.923139586	1.560748991
0.83361722	0.305275987	0.854553055
0.542971492	4.926277478	4.247004319
1.970334295	1.290939468	1.371963082
3.07342646	1.090915087	1.332172896
0.923679164	0.364108224	1.282418939
1.877268138	1.720331907	1.257884059
3.678649294	2.361972332	2.742005236
3.29000393	1.402417482	0.370665436
1.701390724	2.702083307	0.975000849
0.477302952	2.068105849	2.524842712
2.955046359	3.491421615	3.980358828
1.377918049	0.68011295	1.337094143
3.007564006	1.884931858	0.732233722
1.258176024	0.687389856	2.082959586
1.6974504	2.117151386	0.774767534
4.247932426	1.069497289	2.613468748
1.813566231	0.892435964	1.548402085
0.519240904	1.422997305	0.893725379
2.894567958	0.547820443	0.403948489
0.716234081	0.677995334	0.600271545
0.519202665	0.932617046	0.308228049
2.150682406	0.781229502	0.880380772
1.594110259	3.602656373	0.485069345

2.228786511	0.683437601	3.498086555
1.901661664	0.848898512	1.558400845
2.062365448	0.433246505	2.09436295
1.334703857	1.796403794	2.518800981
0.530085719	2.094017144	1.41237251
1.067007057	1.685584388	1.019997578
3.469782937	3.349830117	3.600074219
2.876052727	1.408864247	1.604894494
0.61512956	4.194583421	0.626665958
0.965525404	1.627107223	1.398964542
4.442504331	5.282314775	0.273097917
1.077666027	0.421038267	0.535289
2.720520113	0.367866359	2.409531644
3.111530013	3.043647954	2.914432364
2.46354048	1.697121112	0.541546316
0.654817777	1.992185808	0.459008277
0.608436793	0.92649441	2.436825225
3.56797543	2.134887901	3.823752571
2.023134602	2.107912879	0.461465856
3.063198964	3.222310561	1.326347101
1.181137308	1.957561263	0.680896565
1.642044242	1.343690249	0.852984917
0.727569729	0.571767043	0.487823422
1.956060708	1.769702474	1.236482325
1.218372216	1.359162833	0.97940771
0.319192478	1.128276353	1.856459438
3.10726522	2.822288313	1.927503454
1.588059491	1.866263409	1.882607646
4.084354274	0.203339209	1.793062608
1.704802203	0.69965639	2.168254656
1.932373555	1.949654955	3.249384594
1.450114528	1.998371641	1.384904762
0.73147502	0.818908798	0.578792953
4.998875812	4.785135814	0.427037174
2.504677752	3.852988845	2.026443307
1.419380213	1.837358761	0.622357852
0.868328432	2.075838445	1.189410228
1.655410884	1.971402854	2.978831459
1.055242964	0.479947729	1.075756994
0.374006766	3.393239168	3.714200847
0.659636111	0.385311354	1.175858932
0.698725754	1.558923054	1.196324731
1.788343513	0.859751744	0.697103397
3.026958334	2.681955738	0.212941828
1.677832354	0.850571944	2.034727049
5.170886714	4.562898547	3.818486719

1.087063998	0.319366779	1.038846953
0.659367333	1.315859905	0.994874563
0.571341366	1.529151542	2.433311192
2.032441856	0.834896408	4.738606069
2.368201564	0.594301344	0.646556211
1.792510571	1.864337453	0.778569639
0.446832978	6.969486161	8.114743132
2.492716917	0.675077736	1.883050904
4.741841586	2.123659885	1.506315351
1.140945002	1.647541644	1.295939674
3.095708707	1.74926429	0.825811987
0.315063982	5.116249178	5.678949833
1.679743635	0.872457646	1.696177058
1.2797835	1.907139059	1.508808359
0.691831912	2.124173465	2.408676576
0.409226377	3.77959225	2.121883482
3.88257805	0.499320832	2.10446447
1.083675227	1.620561091	1.017327219
1.593879802	2.086156499	2.892991496
3.248514781	0.917853595	2.601225095
1.874443307	1.584720773	2.613352107
1.751390451	0.750615944	1.450130709
1.28329419	0.753827173	0.713990144
7.785130274	0.20401164	2.440494845
0.598226104	0.142528479	0.599437815
2.695482687	3.009431957	1.852691466
1.875363648	1.943024679	1.908947471
2.122467907	1.959625751	0.432754492
0.655116272	0.489047282	0.918370266
0.359459939	3.040766696	3.453751691
2.915394662	1.338120524	2.31917887
4.524672683	5.001963635	3.298660832
2.473024063	1.512314934	0.726625147
2.131851673	1.589785269	2.420533182
1.526051801	0.5262225	1.223272116
1.695675584	3.57615155	2.525222028
0.301047569	2.704490137	2.88790505
0.520817367	0.62584289	0.937127366
1.228742653	1.519669796	1.51126187
0.709446009	0.370582338	1.570114061
1.014166973	1.302443525	1.625430968
1.319009864	1.746093431	0.542367213
0.424416965	1.569182436	0.728946284
2.166110145	2.814405514	0.328426417
0.998389097	0.522416801	0.362637337
0.16475786	0.631671565	0.744906108

1.127795396	1.075624541	2.083867168
1.192822893	3.513817845	3.539850869
2.868855228	1.704050756	0.584602199
0.164492377	1.865183452	0.225508593
2.922005576	3.104158324	0.316336092
0.848191854	3.269670643	3.377443138
2.940032963	1.702428072	0.224335636
1.761693196	1.453053578	1.136260549
0.456831708	0.262432735	2.095902228
0.618714001	0.57460099	1.593058746
4.104615883	0.752194942	3.83733403
1.07559528	0.148896195	0.398399924
0.827628566	0.597538037	1.4444709
1.480642051	0.468208175	0.972365303
4.137273992	1.738221926	2.118253542
2.79862983	2.512768041	2.879181039
1.535708979	0.490178842	1.562911437
0.840518966	1.295505283	1.40996195
1.716633152	0.464652517	1.189844698
3.074289099	2.588931618	0.772767513
1.963329668	0.25082636	2.752713852
0.798816329	0.605812828	0.799089714
0.449883842	4.670285123	5.018484191
1.153294016	2.191161654	1.928763316
2.306005668	0.521223105	1.750180438
1.255049039	1.233336042	0.783508024
1.311411584	1.680139434	1.183784713
2.624164457	2.089395199	2.333510723
2.087007778	0.333302779	0.901966595
1.87469559	2.031140279	1.428906284
2.6619267	1.196328723	0.461772976
0.88263701	0.826367508	0.071856923
1.772257921	1.688284346	2.542880289
0.536572581	2.159019785	2.090592565
1.666985585	3.586914338	4.304253781
1.981248594	1.789297774	0.80158819
1.929199447	0.894570607	1.306924389
2.45704697	4.534312273	0.174795509
3.876816077	0.112411423	4.893906105
2.049480266	2.547798159	0.448194061
0.214765046	1.111972133	4.048614882
0.815241623	1.501217114	2.421878317
0.534483317	1.573588687	2.827402893
0.121749088	1.252296965	1.591986204
1.529736796	1.706457456	0.270773888
2.256234553	0.225851566	0.225299188

7.120882694	4.805472127	4.871965285
1.525875371	2.259192928	0.874723746
4.271055098	5.137264324	3.685867261
4.443486082	0.279053937	1.237863289
1.989725017	1.072476262	2.866477074
6.329477065	0.108052091	2.984857952
1.564137485	0.114364307	0.989359723
3.73372183	1.890029956	2.189116501
0.241840811	1.835778709	2.939907235
1.352543978	1.66365678	2.661605284
1.344401661	3.04155326	0.920397475
2.148568078	2.581798871	2.168819744
5.345911981	4.677886294	2.560947526
1.342032067	1.315593613	1.810348956
0.029481871	5.831518062	4.302451481
1.50091958	1.547132863	0.494647228
1.634806423	2.770571391	0.396575325
1.596448053	1.496389829	1.08041166
0.741043524	1.353892931	0.897414174
1.591411364	0.664728975	0.705133205
3.072852737	2.414659803	2.308773916
2.153593367	0.472006963	3.700549734
2.126218398	1.539906555	1.413505947
2.198962897	0.555224408	1.773727504
1.696616485	0.928519219	1.756218646
1.015503288	0.820197141	2.29427737
1.134903701	1.617850544	0.510186842
5.367633505	0.973719215	4.257959037
1.38069222	1.776131951	2.140568631
1.90806959	1.121169799	1.546081319
0.900036104	0.671129213	3.274925612
1.161891179	2.170311338	2.337957101
2.103193128	0.50958386	0.549566919
1.931887311	0.385375666	1.890357308
1.380299787	2.192966176	3.076540818
2.068392052	1.56559926	1.743649688
0.303500688	2.084837944	2.294402801
1.411442199	1.779564326	0.368623029
2.110387017	1.151861702	1.296191837
0.139734713	2.401888047	3.002105314
0.4005712	2.727835152	2.586225031
4.343211941	2.593504437	1.7289289
0.335966785	1.332865785	1.333746615
2.209586254	2.209254886	1.538162593
0.577008257	1.83789334	3.327194336
2.056752723	1.106525757	0.649162161

3.858357386	4.099238631	3.95137599
0.195416817	1.086610741	0.150392492
1.985060863	3.073830806	2.007380683
5.691619905	0.493753211	3.089259147
0.362126998	0.796058087	2.051204981
2.927523653	3.021054956	3.291764647
0.827130323	1.075400779	0.602656631
2.955880261	1.640962084	3.405367435
0.345307813	0.036632037	0.838983848
0.314438552	1.667594693	0.167068686
0.426120122	0.291627387	0.907024502
1.163142641	0.171064213	1.115219965
0.826273298	1.075162747	1.341984128
0.128660507	4.128681868	4.399677188
0.464282366	1.463393581	1.630848945
1.161573987	0.829303669	0.20546749
1.148010447	0.94719868	0.483173684
0.728289004	0.547010267	0.190583191
3.145344282	1.724996289	1.430415295
1.024896647	3.314494812	0.062086963
1.679325553	0.577069867	0.447011204
1.372314654	1.245650608	0.479714427
3.473465676	3.565176638	2.837959546
1.376975555	1.412248588	0.624769295
3.198335323	3.030833592	2.649344815
3.021657656	0.720601145	1.614319063
0.315676065	5.326470463	4.542846087
2.595469525	3.173826869	0.729595283
4.078765506	6.915941917	7.800855509
1.065113873	2.577122519	-0.051040913
1.374107985	-0.001103545	0.922098276
2.671240778	2.788883805	2.308345416
0.950476811	0.820820455	2.062626034
0.244286851	3.507636853	2.542577769
0.550595749	0.510417311	0.875121651
3.98083832	2.437044632	0.502913661
0.167538273	2.563788855	0.860925026
3.245578685	1.707488961	2.524126363
1.113911025	1.738188051	1.150618705
1.251722161	0.30947609	2.364711913
2.294646118	1.709407588	0.481768896
3.622468215	2.871077231	6.769015477
1.519224006	0.505864828	1.887232719
8.067233677	0.181963046	3.428306129
3.550572297	0.404956572	0.233401398
2.472762759	2.238740855	1.447232004

1.885396483	0.270946963	1.41219613
0.748397452	0.081795662	0.89349783
0.377787213	1.303730316	0.476828139
1.890339556	2.530413122	1.226536188
1.348923911	0.474839135	0.342298193
2.393766113	0.754996865	1.777445508
0.363078184	4.328702637	4.820188168
0.850313054	0.946706722	1.346877901
1.326100528	1.117068401	2.135788267
3.632450747	1.380592024	3.614518128
1.656558411	0.965080669	1.802781898
2.094512563	1.68558018	1.192310204
5.738353108	5.787748604	4.974669432
0.239487868	1.085849272	3.037694818
0.911557561	0.217163327	0.132429794
1.983301925	0.555108847	0.786931621
0.687945372	1.63238443	0.843301649
0.700816725	2.217056874	3.052494099
2.716864175	2.643284302	0.165590009
-0.053671326	0.761430339	1.679271089
0.804258443	2.12676478	0.742178075
0.175705856	2.373362304	4.102622311
5.82304073	3.591553856	1.749261524
3.127654142	3.234883875	0.039792812
0.951713415	0.441281612	0.818135263
4.736998119	0.368668232	5.32878796
2.157678889	0.168356843	1.137482947
0.786055804	0.707631724	0.203414121
1.927012055	0.894421264	0.609591542
1.346749121	0.791085634	1.331233328
2.44945945	0.522994255	0.623759174
2.395701508	0.910926459	0.663939683
2.735226549	2.037599084	0.754333689
1.120750964	0.213235518	0.8526239
5.234862797	1.966434863	2.015693476
2.670077534	0.421992357	0.272299286
0.924040983	0.970335796	0.531629249
2.436820758	0.750832699	0.033872108
1.563436838	1.286532287	2.06970644
5.582877119	0.126887035	2.951340128
2.2062237	0.666989283	1.324222574
1.19268971	0.296923533	0.81192355
2.715546954	5.073417027	1.105013867
5.67430331	0.526066836	0.224402211
0.105761695	4.558892286	5.203412642
0.810634996	0.497763544	0.934220793

0.913354685	0.960449027	1.14474573
2.47186234	0.570393467	3.379745583
0.426997657	0.604185234	0.115679417
3.305108182	0.971389462	2.878034085
2.21355628	3.201960589	0.112549934
2.348879525	0.086773405	0.823296096
2.22977995	1.588961114	2.094994373
0.63740832	3.384981472	2.957012067
1.621037105	0.718114363	3.109581834
-0.026889567	0.852504599	0.600096087
2.990657245	0.778411028	3.066750881
1.171405974	0.831572598	0.492917836
0.148209524	2.644402012	3.80618199
1.170867654	0.846997723	0.023730087
0.981862397	0.463240151	-0.073709766
4.991685989	0.204943409	0.431484099
0.554353711	0.374821894	1.154294634
0.065912496	1.345851439	0.400513286
1.431413762	0.246797654	1.566214444
2.002233463	0.204618097	2.229851821
0.432110379	0.501805355	1.13441962
1.101250183	1.769281748	1.314342611
2.51204535	1.616747862	0.101799169
3.177334761	1.598159619	0.741954814
5.653610036	0.211408252	1.233896941
9.088475218	6.774764184	7.710879756
0.418977098	0.480886804	1.477234939
0.539980775	2.007727503	0.451766158
3.232209754	0.034869494	2.870780504
3.500597597	1.828328117	1.67549553
0.644601624	2.708046809	2.602088669
1.840221043	0.267823868	4.519519022
1.624062081	0.147857684	0.218587194
2.099867682	1.390707389	0.211355461
4.023200107	3.135977611	3.007987806
0.532951205	0.589788277	1.107424863
1.53737392	3.65869306	0.106922382
0.843921198	0.816233305	0.10469798
3.524865318	2.317619214	0.57749755
-0.022371947	2.476442865	2.500062586
2.352139247	1.92593051	1.762994093
0.196675359	1.937235724	2.185965993
0.452554763	1.105954987	0.194633452
0.084966762	0.47026299	1.326977229
0.922884469	0.404386052	0.863932199
3.920218489	0.159099866	1.086186332

3.171433361	2.811726264	1.964352334
2.898759479	4.230890983	1.027303984
1.478343162	0.630478782	1.743342578
0.191980446	1.51791186	0.971260931
2.461375097	1.996525875	-0.148850912
3.842039829	1.868279759	1.449192216
0.170410614	4.242255801	3.938628773
0.170108821	1.533362666	1.057410104
1.92739302	1.197809435	0.304912992
0.528996602	2.239847371	0.398349782
1.199811393	2.641134221	0.788470648
2.839856615	2.005343541	1.611888432
2.366067956	1.58074284	2.575729226
3.259558684	0.956335756	0.547388566
2.85697445	1.66957906	1.479764832
2.025307578	0.321645657	0.111898959
0.088310355	1.382124002	2.523882842
0.751797519	1.240089123	0.725169157
5.254840087	4.896869925	0.22367674
1.540151682	0.423538663	1.255661396
1.082284948	-0.208558619	2.554718076
3.631237016	3.557113097	4.538113894
2.614288425	7.580685511	3.06460292
0.265631176	0.236149575	0.284193941
0.764521545	1.34261078	1.339998438
0.519485098	1.143071731	0.002164369
0.277244826	0.135842024	0.838843546
2.276964966	2.626891492	0.522833557
0.149553071	3.25419441	4.729419456
3.294670213	1.035108499	1.690061066
0.29984564	3.976953733	5.009501925
2.742151763	-0.049896028	2.409048224
4.286422779	3.744745361	0.588981601
2.353602236	1.972197475	2.098993767
1.782237251	2.82679582	0.900502067
1.3903348	2.671662462	3.623343245
3.755444403	2.027972969	2.662381129
0.69921479	1.283639883	1.25214221
2.200483288	1.358124251	0.207076266
2.116654705	2.460774187	0.181643668
1.302934664	1.970733819	0.199300665
1.365668244	1.623796149	0.885537885
1.975601747	0.368687347	0.083196805
3.850263923	0.709387077	0.978017428
5.102644381	3.897158936	1.87263273
3.137444553	1.218585328	-0.029040834

1.295440839	2.740039164	2.32072811
2.228091923	4.128067481	2.269117746
2.356284435	2.085447572	1.110477505
4.091700514	3.17050837	2.774435936
-0.149794759	1.690253087	1.362750209
1.292037037	0.836371554	0.425595587
0.312991489	-0.085036351	0.720622956
2.750336847	2.711519246	0.705161074
2.292080478	1.765972438	1.919411356
1.829098696	-0.163794496	0.665309004
2.632977342	1.297980372	0.447557131
2.858543416	3.027987077	2.790234756
2.350452163	1.942551303	0.153158336
1.653254599	1.613904971	1.847216595
2.059156669	2.296101866	1.236709932
1.489129467	0.857081297	1.982195372
0.344612313	3.31895067	0.009542659
6.011282116	3.902485301	0.924789242
2.093273914	2.055114714	0.14919018
0.169532225	0.675064594	1.762451655
0.544850852	0.186183086	0.325365837
1.710770707	0.114084222	1.335604163
1.617069694	0.100383109	0.017158201
2.234489871	0.545910128	0.007297292
3.327540187	4.119203732	0.352494643
2.021341862	1.463569518	0.813222613
0.602124302	1.36566543	1.17454068
2.547182851	2.84547999	1.989774889
1.689698332	0.827906866	0.479775785
3.675785853	2.319184956	0.33977903
0.056442753	0.702868605	0.410449332
0.314098375	0.732413456	3.175270935
0.060528751	2.752961153	1.993842794
0.048473733	2.231157212	2.622819224
2.589527431	0.77866651	1.806672755
0.915193519	1.151850522	1.48492684
1.811692292	0.468511539	0.167699857
1.534649811	-0.086713761	2.129127523
1.017510757	0.683746008	0.829109769
2.273849708	3.257031579	-0.038235574
0.80459304	2.240996708	0.548745359
0.58006869	0.129894846	1.116612128
2.269660727	0.010007431	0.574838161
0.958675909	0.977237907	0.278627977
0.854702922	-0.153033334	0.518963079
1.681392576	-0.076941211	2.587770196

-0.211526947	2.654546761	4.222061991
3.32221714	1.157263879	0.090367338
1.699974988	0.911298134	0.470499298
0.226574743	0.387931165	0.404013059
1.614915999	1.178046718	0.75618709
1.551731707	4.582535901	3.536394259
0.115777539	1.983963779	0.742801378
0.722523002	4.913189455	5.128464128
0.146788003	1.824870429	0.795267149
0.865161971	-0.122933356	0.523294582
2.175487756	2.674344763	1.777597415
2.881085581	0.234964509	2.885503106
1.171944646	0.180977595	0.440214293
0.449844294	0.270061121	0.626767738
-0.130483981	1.459284013	0.486167013
-0.259232383	0.205445771	2.977009125
2.053899882	1.237173045	1.452744242
0.105387445	0.870454043	0.545797252
0.551270847	2.325810897	1.209177933
2.636387981	2.527020256	2.565494527
2.553775635	0.667385118	0.104444276
3.139709989	2.274167083	2.96381558
0.848659733	0.212890686	1.681603537
4.538937393	2.273478055	2.720096669
2.506652441	1.114738258	0.050447768
4.682566362	3.56124649	5.202943593
-0.141813116	2.613090745	2.82105156
1.856311897	1.231377608	-0.117091471
1.076681225	1.399453317	0.490239645
0.688403076	0.3701503	1.055522127
4.130859729	3.926048668	3.76511576
3.511656497	3.86238763	2.502895191
2.520795415	4.260799648	3.639365078
0.700049466	2.183863659	1.994212844
2.442183405	1.904664805	1.313274872
1.732539026	1.927936153	0.130811638
0.739101002	0.589194775	0.73712882
0.358873936	0.169028576	2.061825031
2.35826732	2.135398183	0.706457154
-0.123320627	0.155301398	1.630730784
0.65519279	0.133578801	1.43388428
1.005012973	2.56104966	0.34202586
0.879348672	-0.080560029	0.467663139
0.626939829	-0.032589685	1.239592289
2.110775347	3.036309262	0.995659119
3.487346059	-0.033961215	1.457154249

0.490195438	0.651324679	0.13614055
3.21955681	0.535683746	2.284031666
0.008813994	3.450329059	2.529511633
0.110885725	2.103433469	3.819663143
2.017927351	1.663577776	0.544224469
-0.115382714	0.743590394	0.379743844
5.618350067	1.644243271	4.579874739
0.252849012	1.455819956	0.505945127
4.301885033	5.579819765	0.093681801
0.743973158	0.762221897	0.691203096
1.465101515	0.570850802	0.988712565
0.427860533	11.99054229	11.28283103
0.173211803	0.119419243	1.033074017
0.223815622	0.401664414	-0.110935334
1.757224467	1.456480091	1.991006877
0.39119928	2.655612609	4.182463305
2.11356621	3.269639107	1.953395757
-0.040102721	3.835772712	1.19831346
1.401200731	2.068073258	-0.245274834
0.460032622	0.766165965	0.055333514
0.308525657	0.985446062	1.683284424
-0.178846389	1.451798844	0.712729513
2.053440393	0.18415881	1.616375964
2.517642725	2.4531486	0.185110315
0.874140013	2.239010197	1.197702586
2.513980017	-0.28794023	2.335745269
1.998549844	2.198394758	1.391107082
-0.040314706	0.91640267	0.154360545
1.020314595	2.816310712	2.614574355
1.565624006	0.862245167	-0.119611981
1.071933438	1.360024072	1.548806807
-0.217451704	2.867378429	0.568854513
0.826237694	1.357944622	0.198072874
2.191270282	1.847437868	3.492636066
1.400254195	-0.301857621	1.311144723
6.975697601	4.019931595	1.670341443
2.09117683	2.026339785	0.100273679
1.591875391	1.643018842	2.316365371
0.982722867	0.040809171	0.592088408
8.026213133	8.387372522	-0.209231365
1.570972674	1.534463199	0.384231102
1.882722148	1.435547331	1.949087108
1.963724434	-0.05392679	-0.053034287
0.534925948	0.91831079	0.893227504
0.81895641	0.901681296	-0.273111386
-0.240139966	2.112732164	-0.000259721

0.6017441	-0.001672155	0.061617732
3.043907491	1.67911953	2.362779889
3.808501425	3.312776288	0.07827794
1.590493979	2.383025254	1.596511761
0.024551095	0.801446002	1.071275929
1.585303194	0.828404274	0.726222074
0.507073029	0.688609628	0.783790009
1.558304708	0.440825778	-0.095696604
1.26699851	-0.06318894	1.681545627
0.269674869	1.365296721	1.735079953
2.753924962	1.221724408	0.141315525
2.593351937	2.000849738	1.576285123
2.028767195	2.04964132	0.289671037
1.658051404	0.107108104	1.644290548
3.844326282	-0.232779584	2.216367986
0.291032235	4.428757994	6.614225286
1.094904521	1.657674836	2.329793209
0.641023395	0.567807753	0.841466678
1.405764906	1.488244419	-0.223428563
0.940725075	0.334022263	-0.202214039
0.430820017	0.413236154	0.01946035
0.493146064	-0.302389915	1.499558585
1.41552318	0.36882144	1.073813133
3.047333377	1.822070029	-0.015089486
3.222291535	5.031561044	5.382553808
0.402527717	0.113192149	0.874316946
2.218342631	2.173808958	3.269732112
1.034008802	0.170397851	1.106728356
2.602992546	3.559316979	-0.138644721
2.361427955	0.794540001	-0.139192282
1.586600199	7.990412787	6.194052081
1.425047419	0.009030159	0.19070456
0.853806732	0.394235213	1.086178616
-0.251249667	2.152712909	1.791740501
0.386999399	1.007958893	-0.005278597
1.802154422	0.014352323	1.13639518
2.312460697	1.703889188	1.358181856
-0.051227568	0.165669856	0.04963629
-0.425999714	4.621132576	9.311536346
1.182082038	1.996640125	0.116316239
-0.011770826	0.359356481	1.671333329
0.149645556	3.628271129	2.51016008
-0.084909382	1.353529659	0.343124715
2.933736061	-0.493809557	2.58873469
0.32565625	1.061027743	1.157857939
2.555659948	0.07527053	1.352233873

6.937026016	2.526264419	0.288017006
2.052390159	0.563249229	0.457630896
1.63047452	2.197276487	2.883768419
0.047246048	0.634513924	0.722785033
0.21403482	0.483927871	0.466637191
0.707829373	-0.323890053	0.418091062
-0.31515324	4.52062861	5.833913361
0.267302542	0.876125053	0.755943514
1.734788078	2.205028518	3.552623008
2.103834225	2.696953896	1.43500336
0.512640573	2.710335444	1.451133674
0.157725485	0.927118902	0.047046203
1.285795145	2.481036803	3.352873079
1.976672828	1.294748829	2.789514005
3.341033799	-0.186927851	3.077272297
5.890686707	2.617279447	2.669977357
1.62339297	2.526182897	-0.241605
3.457425566	2.087111962	2.895513347
0.026601632	0.081666406	-0.026229239
0.62411451	1.139374299	2.040382707
1.128613668	1.731657666	0.313233844
1.686059838	0.597019029	0.151346131
1.060293708	1.254574181	0.415078221
0.803946276	-0.301461155	0.094148975
1.734955612	0.560708779	2.327534871
2.663995304	-0.395813503	-0.002305354
0.320058524	3.505866355	2.901224162
3.114207064	2.442324336	2.23947954
1.858278934	1.439717873	0.193679704
3.831717873	1.06988486	1.877963881
0.939231791	1.231049159	0.526222085
3.307631365	1.03824502	0.032372165
0.444450973	2.199383397	-0.188339564
3.095775726	3.020262952	0.048603869
-0.012211202	0.581409182	0.966618599
0.484048376	1.058929362	1.742932409
-0.317784664	3.353030824	3.643768261
2.375198552	0.12427211	-0.017000492
2.72245301	1.569600104	0.412703316
2.053454904	-0.313892127	0.217032801
1.867072305	1.998233831	-0.28398024
0.300965318	-0.248954967	0.500302635
1.802852329	0.240790284	2.855868438
1.115496137	0.191059894	0.889850619
5.515054921	1.599968681	0.147330024
1.856953201	1.192870986	1.043058736

1.383768572	-0.502741554	0.072614477
1.791825532	-0.066423798	1.668081968
1.648166371	0.716907639	-0.265307622
2.913156258	3.271268325	-0.327254004
4.86331025	1.383278984	2.188847083
0.478897919	0.802857542	0.1433728
1.448789972	1.042440966	3.260401211
5.024253404	1.175480387	-0.071600062
-0.224218043	0.510838945	5.582103151
0.893851397	0.711983465	0.968242083
0.577241558	0.004263425	0.334088273
1.377910568	1.512866298	0.450892863
2.32300406	2.483589661	1.906224718
3.057789983	1.29966795	0.617725382
5.644901836	-0.260446084	0.671001505
-0.034732233	1.255906992	0.165390361
-0.207758126	5.361906252	3.710187184
-0.278870155	-0.255887886	0.708272418
0.74137661	0.588930464	-0.166026063
-0.048590042	1.415772485	0.872936822
1.174091101	0.277916521	-0.219744159
1.486456949	-0.211343215	1.680189694
2.747394508	0.058558081	2.847246645
1.376445403	1.338819727	0.742611127
-0.085947222	-0.148969598	-0.303415688
2.473996876	0.937038455	0.346245634
1.633435823	-0.478490057	1.979535977
0.501240511	-0.131442411	-0.370672884
1.236757487	-0.275935545	4.614642309
4.89197077	3.72455748	2.894381615
2.053164274	2.401271167	2.24414915
-0.202981994	0.163633334	0.516323995
1.084412205	2.365172552	3.773513981
3.363783907	-0.085735978	2.993834249
4.027217854	2.553342261	-0.09525195
1.781423297	0.200646883	1.654949232
0.910916435	6.350914271	3.492974152
4.574937703	0.229412181	9.614085095
2.150525925	3.206979953	1.108742395
2.222660657	2.597332678	0.860187393
0.010533528	1.150495663	5.02664121
2.976392333	3.337478633	4.440209215
-0.158346775	-0.024737315	3.493123096
2.363964045	0.796674498	0.28291349
1.821265132	2.373712818	0.822836401
-0.333039308	0.637120096	1.263161568

2.231865052	4.938647146	1.695438532
-0.104256199	1.324400483	1.308728695
0.261808796	0.253442098	-0.00042822
0.40307747	0.036826616	0.486908859
1.382820008	0.313979985	0.440158631
0.780530022	0.241877639	1.865454049
0.75799024	0.479616592	1.892531245
-0.083016439	3.966733101	5.755185867
0.215039333	1.903531564	1.511749351
5.011159727	4.4440712	5.296482429
0.639921453	0.744234618	0.705216101
0.627757047	-0.392948257	1.023686596
3.075106975	4.415342401	-0.309524325
0.63114754	-0.131186133	1.209146131
-0.045025067	-0.569648204	9.606004322
1.589053652	1.319649196	1.586537464
1.026255527	1.383256257	0.87279933
0.631773359	0.495855828	0.742836293
-0.067651782	2.649866679	2.433558706
1.290161419	0.736061031	0.724435148
1.10582631	2.236144789	0.291338152
1.953667992	1.745729955	1.610550989
4.682527063	-0.39622053	4.403336943
1.265248521	-0.00491908	1.910317629
2.261699294	1.357613744	2.295250001
2.551266181	3.055823691	2.69544231
1.120055843	1.169263117	1.673209406
4.896431705	3.159672967	2.344701906
0.312048091	1.922180993	1.881176144
-0.372447252	0.320703311	0.360954927
-0.309865505	2.002778937	4.585322664
1.548897171	2.361737681	0.52527737
1.577673837	2.590967611	1.699316121
0.659638371	0.10352809	0.910441348
2.506268952	-0.352486342	0.806737756
0.28887377	-0.118975163	0.121894766
2.459795606	-0.115191927	1.237068223
4.933691594	4.778518338	-0.268097035
2.361537575	1.722946214	0.872773473
0.857362712	0.655697626	0.928212764
1.539403342	0.358675334	1.259859769
2.492232056	1.1808506	-0.240569944
1.616546487	3.387273309	3.845184134
1.224116549	1.507508413	0.207181918
0.366946499	1.070687366	1.28051623
2.575501119	1.486459628	2.663232661

2.208242223	3.927868438	-0.050406638
-0.178957772	0.919590669	0.66780179
1.42956405	1.501728569	1.589305883
2.138834169	0.914067244	1.597618971
0.799183644	1.303060574	1.659506751
0.001019499	0.545813509	0.107736231
2.26191728	0.610813937	1.407314404
-0.467772952	1.714416791	1.673233924
-0.207666114	2.147794432	2.182979123
0.361378874	-0.445704509	1.2180485
3.67907181	5.437321559	-0.369259486
-0.120790802	-0.288337542	0.818037102
0.945238721	2.37398128	1.790384205
1.210354551	0.099316382	0.466032874
0.844568809	1.147959867	1.834194272
0.043703363	-0.063791348	0.429144684
3.050731172	3.127369697	2.287301865
0.980168952	0.920384763	-0.319112932
0.074876482	1.079036223	2.855083121
-0.030250689	4.722694866	3.939335689
1.33342471	1.142328014	-0.387766541
2.93639554	1.143593014	-0.443559793
1.757110021	2.552297615	1.221881977
0.706690626	0.150185022	-0.264903655
4.197089449	-0.435063376	-0.690338817
4.64204595	-0.573122519	1.289969353
2.174195595	1.255011459	0.650145512
1.091065884	1.748983052	0.702762337
5.000358574	5.068304575	1.901227128
1.706636239	1.410762595	0.464568613
0.492922267	-0.335322756	0.783498177
2.482501987	1.355917198	0.204543557
-0.422808481	4.083856394	2.179644556
0.67248229	0.637203405	-0.224570363
3.75771847	0.005809313	2.077457818
-0.331322015	0.446750888	2.395682669
0.606438526	-0.57488056	1.592225263
1.015664345	0.483296974	0.332826763
-0.465469032	2.039282126	0.329428966
0.135558432	0.832946766	-0.593137432
0.820013406	-0.324931071	-0.528966512
3.894515398	2.491067587	4.441931187
1.581664316	1.346253044	-0.514361663
2.690857008	-0.114743139	0.518816367
-0.51172301	4.906782612	8.307649952
1.275740059	1.234877362	1.652226891

0.435693368	0.713867613	0.518938236
0.704447777	-0.710028584	1.490021038
-0.263111129	2.138076576	2.720031312
0.788399594	-0.441037758	0.614594698
5.235349137	3.652285248	-0.441687042
2.501605117	3.049130196	2.73870021
-0.569906899	0.631480181	2.048938935
0.025075643	0.128113251	-0.354228348
2.327423283	1.981875907	-0.319794861
4.245170421	-0.267517664	5.544364593
2.412756452	1.522326542	1.291424805
0.474833338	1.233762251	-0.394194841
0.823667231	-0.259972754	1.485233833
0.79329106	-0.013188873	1.256254851
0.525937838	1.374221777	1.175634714
1.87283889	1.175576061	-0.328956481
-0.11961324	-0.347227101	-0.24471273
0.401818895	0.013308501	-0.119825778
0.485388027	0.647777375	1.778474447
0.020553204	1.276415626	0.906913087
0.112276691	-0.126601881	0.89872693
0.065099321	1.263796474	1.790163596
2.444361305	0.465363191	-0.048025177
1.179741058	-0.529639164	2.535836736
-0.106189925	-0.217760368	-0.324574231
-0.18295434	2.558269248	-0.073831735
1.125231258	0.380514867	-0.12133982
-0.114886114	1.699315182	1.371039321
-0.554153544	0.468649427	-0.027402287
1.025767932	2.117448134	0.171870753
7.008440846	-0.536473322	5.119390673
1.806729117	0.132200282	1.984247241
0.561713958	1.736542788	-0.640764117
3.941929914	2.341181325	-0.244765528
1.744907585	0.929268429	2.937323967
1.713600266	-0.418695115	0.878004286
4.478980877	3.098830657	4.296380809
1.176384586	3.099862737	4.428821617
-0.578846378	-0.009482004	1.062771531
1.146997507	-0.59291273	0.80628308
2.676431974	1.752756732	-0.60692239
1.596004683	2.012567799	-0.184416462
3.632809393	3.290688139	3.798664893
1.442852924	0.105090794	1.14947661
1.162281957	-0.361769204	0.089329898
-0.247830998	4.586000392	5.722780026

-0.350661762	1.13999284	2.374524126
-0.013961174	-0.436469248	1.358375668
2.780777898	2.002492681	-0.076696182
1.240268033	1.362356466	1.244101695
1.528725506	2.406845198	2.469428003
0.700818206	0.527394724	0.302631088
0.870630941	-0.321377038	0.423056992
1.47892853	0.018997668	1.844603531
0.283533663	-0.016420331	-0.711976252
2.080592964	1.661738159	2.319098836
-0.59598762	-0.186508279	-0.253945801
2.055240382	-0.760912644	2.938577111
1.487144975	-0.462795569	1.8235068
0.762304394	0.15619525	0.868884992
1.008083547	1.135574947	-0.548963911
1.105416328	0.398518804	0.030921253
0.554747295	3.237702743	0.56122028
2.475920912	1.205685123	-0.408762352
1.100752827	0.548654606	0.832035796
2.080411005	1.216690556	1.803411848
0.781122003	0.255000736	0.82150986
0.639939074	0.261108989	1.211412531
-0.29733454	-0.003710369	1.437893898
0.103519891	-0.283386342	-0.392786301
1.443973064	0.700382344	0.642449737
0.602204679	1.412122976	0.221242009
0.741718638	-0.421002617	-0.46304735
0.113503998	-0.608039071	-0.024639977
2.535137556	2.457739797	2.492932161
1.771162196	-0.637932335	2.378399582
1.410550794	0.062341094	-0.606860069
1.599775446	0.071515471	0.460036982
2.126430191	1.083795742	1.742834915
-0.648911727	0.358035245	0.098284306
2.116878948	2.65547867	1.518541241
1.306308665	0.280472841	0.306244134
1.657903201	0.281480026	0.010384713
5.2417722	-0.298494944	4.707239883
-0.108567097	0.527949159	0.032425872
0.088633521	-0.286388633	-0.546401197
2.541536577	1.031047052	2.486977199
1.566011171	0.961400204	0.517260253
1.475879365	1.329073166	0.65003448
0.087317983	3.394829392	2.798771837
1.812178541	-0.204963931	1.933915524
4.005789943	5.056567757	4.308314808

1.056593624	-0.224195031	1.710649025
4.95401932	2.360537401	-0.436882896
-0.170046589	0.240329402	1.122912512
0.345571075	0.842639092	1.155595711
0.297477827	0.026268796	0.416917936
2.032414223	2.886158367	3.250327992
1.705664145	0.365121883	1.149779832
2.296808333	5.161900674	3.397891137
4.940311365	2.524100534	2.154784336
-0.220614381	0.64047565	0.122134144
2.736729469	-0.125592033	1.078693001
0.836028807	0.369757336	0.266390803
0.628801488	1.273515694	0.268756465
1.366215548	1.987428657	3.025432093
0.201226715	1.497357426	-0.490250894
0.420921215	0.896911237	0.551388774
0.261025236	0.571238649	-0.490994025
-0.37455054	-0.096719884	0.540366227
0.498549565	-0.088908949	-0.320614228
-0.134975458	2.172381157	3.124722275
0.992760736	-0.449424564	0.486905834
1.24299449	1.665266632	0.093899699
1.689081969	2.642837569	-0.2339751
0.478617856	-0.317875041	0.171284505
-0.809661259	-0.426733241	0.040827281
0.359634674	0.089003549	-0.095332743
-0.761836793	1.762941188	0.146471077
2.198109876	-0.027276758	1.269029053
3.302392705	1.931435204	1.261146813
0.504041079	1.710023033	1.840562237
0.712183169	-0.051836693	-0.549911221
0.808474354	1.719756603	0.007980859
-0.637839425	2.109287138	2.958008637
2.132593804	2.120882184	0.660177891
1.662452589	0.202331914	-0.19467085
0.794991458	-0.380285596	0.779401642
1.164960817	-0.747869257	1.659657981
1.14447612	0.601680955	2.212605895
-0.446664813	0.031046951	0.305027953
-0.262162617	-0.261167221	1.680718048
-0.263628391	4.117432765	4.18921191
-0.388743327	-0.502552962	-0.116525167
3.255535192	0.930416554	2.110224157
3.628773692	1.712199822	0.244535081
1.989612313	0.493856659	-0.266281926
4.215415425	-0.746967667	3.564581397

3.006534658	1.033219518	-0.808548964
0.789005754	-0.267299216	0.200415907
2.105454849	-0.483649355	1.742306014
-0.195415249	-0.703397339	0.723238271
-0.038837494	1.49273568	1.032468686
0.915362456	1.379930907	1.577161448
-0.779321588	1.772757491	0.417706917
-0.333611879	0.321195168	-0.016366752
3.115869572	-0.121527388	4.928678105
-0.330009625	0.333225082	0.035479938
-0.169837389	2.297595214	3.382209913
0.37141102	1.519202929	4.474513783
-0.586151835	1.126123268	3.011211898
-0.026030067	0.515987821	-0.479206591
2.212567447	2.514378286	-0.849029705
0.169436033	0.079005043	-0.457400709
0.162025224	-0.485408974	-0.020543765
0.269383447	0.350436316	-0.667679681
2.046680493	3.797475801	1.157987083
3.018956196	1.636087199	1.773666175
0.735502247	1.058046031	1.41510245
2.288418088	1.969716667	1.582100738
-0.387389392	-0.209536936	0.990733152
1.124184886	0.664218263	-0.509207193
3.377523876	0.237283035	-0.756135411
4.047697805	-0.858415497	4.011341598
0.089913572	-0.384562181	0.586914306
3.276699826	-0.691128236	3.265987071
0.307939709	1.242264731	-0.659235508
-0.578385011	4.54284593	2.130254247
0.428448918	-0.659230705	0.313565828
0.725765297	1.133673676	-0.491470578
0.818260472	2.601268071	0.742807983
0.355533347	-0.454235775	-0.617331051
0.451086748	-0.260859833	0.072696132
0.53194575	-0.427840596	0.014706726
3.184351895	1.87241955	1.122355092
0.319490458	-0.7319055	0.834299832
1.862307939	1.688043253	1.027195566
4.156241862	-0.694760575	0.113267918
2.260686672	0.449288895	1.212926142
-0.619385819	2.206545205	2.93042569
-0.446545271	2.320513913	1.59122175
1.873800304	-0.258584561	1.479753253
1.058011614	0.861724758	1.035085326
-0.552774264	1.462796364	5.017951002

0.00954865	-0.688032042	-0.779775838
0.728266691	0.941652035	0.892729037
4.06720226	0.056149476	0.377273428
2.546041648	2.695039726	0.2086758
0.512794948	-0.201069885	1.067873475
1.608120473	0.506511038	0.216050411
1.433769787	2.191715872	0.633958708
7.401459131	7.189501803	2.569587178
2.10377019	-0.783984675	0.660468131
1.950757655	0.236912079	0.42508583
-0.086730981	0.29745288	0.849535724
1.713979421	1.696248704	-0.467403261
1.299019893	1.135902114	-0.312566987
1.318494823	1.319561995	2.490572082
-0.090086449	-0.561621395	0.20990106
0.829170603	1.031050893	0.813393486
0.014054219	0.407729529	0.163352754
3.3539368	2.550962686	0.586206587
0.468848828	-0.856862608	0.760303385
-0.192958202	-0.282608493	-0.755433674
0.936944999	1.424586229	0.063977393
-0.330447052	0.88350796	0.629639708
1.18853492	0.744638409	-0.169984932
1.357757789	1.907278712	2.616637877
-0.908868724	2.743097928	3.57007681
3.517362841	2.916526213	2.972380377
0.677962952	1.492520003	-0.187103772
0.280983738	0.825794394	-0.385319951
-0.283931199	2.865833162	3.05506969
3.810392064	-0.589851441	1.402611903
0.07139732	1.234557464	0.78219195
1.548154702	0.987614184	-0.499467294
-0.648836112	2.038419484	1.184853609
0.073306139	1.04331668	0.828109475
0.986356477	0.826771383	1.806605158
2.485606953	3.939332365	2.514480701
-0.095547948	1.297413701	1.612612558
-0.012684296	1.665380806	2.804753716
0.307287673	2.679147423	0.650697807
-0.645772471	-0.538659269	1.716416531
-0.409579743	-0.210301503	-0.183639512
2.624879061	-0.548754945	2.88456976
2.247721757	0.188790172	0.3877606
0.267381235	0.146560004	-0.642634775
1.067541192	-0.221316794	1.002434579
2.762317664	2.603193239	2.053332552

0.910150743	0.143136439	3.247412907
3.918085992	1.952633554	-0.603740451
0.319491523	-0.693690722	0.122777858
1.902298781	-0.48831269	1.015443741
1.722361532	2.648935567	0.05911166
1.644562529	0.690031527	0.713772776
1.841343272	0.885810882	0.93273701
0.335885299	-0.628172347	0.909188396
2.005863243	-0.234225635	1.818550569
-0.818232403	1.68417583	1.235526004
-0.656256507	4.837467927	5.119129067
0.370367806	-0.32493054	2.02931531
1.660481812	1.031353551	1.420524477
0.054369246	-0.326036689	-0.589011356
-0.770893282	2.217322978	2.426895215
0.592095526	1.427957301	2.287646
0.142469993	-0.359664969	0.579683477
0.365646526	-0.238614165	-0.657563245
1.665035842	1.820613365	-0.686167259
-0.83310618	0.46793054	1.547764798
1.045327114	3.622068498	3.046495556
0.257112711	0.789321179	1.551063299
-0.167860732	0.434426055	1.784942897
0.21954756	-0.176331792	0.398137907
-0.716065598	4.441022	4.696457715
-0.062970887	1.459130373	0.662856439
0.478131742	1.842693481	0.82460547
-0.662644026	0.318499692	0.221175081
-0.137458858	0.90267987	-0.404115619
0.644522263	1.305217737	-0.52092367
1.137371705	3.520655286	4.126025525
-0.208710219	-0.489783877	-0.726833078
-0.85128035	0.498285211	0.673094889
-0.868515863	0.087114828	-0.49176524
6.171699165	-0.72553125	7.372979144
0.608465585	-0.58555121	1.861320147
-0.198581508	1.613666425	0.895158349
4.087909553	0.492165497	5.806746902
3.581923166	-0.499009357	3.089371623
1.375702537	0.95277099	1.075907991
1.704056122	0.600431876	0.907274813
-0.205360606	1.507878949	-0.387884177
3.262477102	6.309342683	5.066177392
2.873587906	3.42707827	6.576971019
10.43915363	-0.726171006	-1.035461291
0.425945805	1.936787002	1.162873588

-0.468828442	-0.751901369	-0.492405215
7.42358422	4.233859054	4.968620097
-0.026291021	0.192944977	-0.082919958
-0.29202409	-0.138043491	1.172105137
2.447841407	1.409913911	0.455938812
0.239752762	1.679394644	-0.374835337
1.554303482	-0.442090591	1.963858195
0.307615101	0.185919027	-0.214132317
0.442016261	1.590346031	1.717362223
3.41335513	-0.502036494	6.995689372
4.297223012	-0.784497367	3.936832386
0.509777852	0.190407452	0.740435692
2.364167526	-0.782542123	1.830449295
1.984071835	2.017578908	1.891290591
3.499114679	4.695861614	5.303756963
1.447691632	0.255877236	0.428740749
2.483502894	-0.658740422	1.636640176
0.266595933	-0.278678667	-0.619317443
1.554917037	1.004533276	-0.675184667
-0.507326082	1.096605164	-0.20440216
1.482320532	2.179768301	1.164933602
1.023294181	2.489918455	2.846810504
6.641448721	-0.896745219	6.887410093
2.542523155	-0.914167206	2.486197032
0.101800993	2.339733264	1.041591054
0.524176611	1.291924176	1.390470609
1.042118708	-0.121665077	-0.78098538
2.820852849	5.47881798	-0.445032647
0.040307979	0.047350108	-0.368743451
5.420192887	1.437408575	2.810209353
-0.345755806	0.65152026	3.188392364
0.989431279	-0.26230046	-0.325555639
4.497736791	3.513973345	-0.447103271
0.30469464	-0.234924519	0.197624601
4.022579215	4.274310043	4.246898047
-0.008207209	-0.042218447	-0.748847556
1.106687973	0.985170447	0.724583573
-0.473514484	2.718898469	2.54137462
3.417095742	0.111916206	3.33683843
1.860709459	0.923124641	-0.128380768
0.792201244	0.015770285	-0.024211411
2.610317676	0.424625701	-0.353172462
-0.036792855	-0.127459903	0.149106076
-0.214450445	3.161886124	-0.990419778
1.171109183	2.1753993	6.374314253
1.55881448	4.531684042	0.303541801

-0.831940104	10.41806491	4.321224143
0.2422523	-0.109857073	0.243924231
-0.241125027	0.782267103	-0.402445789
5.693752929	-0.666216342	2.645934934
-0.249003388	-0.425860516	2.98745306
-0.991479695	-0.022309668	-0.946829453
1.561114104	-0.261911225	-0.577564562
1.76794282	2.066885057	4.385426455
-0.364781649	0.542529206	-0.095620811
0.298909805	-0.72853018	0.965390235
-0.153333956	3.852229651	2.59965919
1.615434346	0.474430597	1.06637376
1.016004773	4.666348877	6.198868076
-0.200264853	0.88765033	0.136389658
-0.566009228	0.722316872	-0.76591885
2.682173428	1.616843772	2.332692332
0.819027651	-0.778136613	0.425111438
0.345973939	0.76829174	0.081333087
-1.10911069	0.776986218	0.822623723
1.756415688	0.312874972	0.128251305
0.300819466	0.940098261	2.304409714
1.36307017	1.333914861	-0.342654665
0.001777008	0.745334396	-0.325941563
0.595286247	0.871838278	-0.727097243
2.76528651	-0.269826764	-0.723871262
-0.477344553	-0.265573101	0.78784382
2.172180238	1.172352697	1.327796579
1.675969888	0.337371318	-0.356283234
1.124022845	0.634015258	-0.754168509
0.246186525	-1.05074729	-0.044820327
1.564464448	0.366806824	1.771654354
1.418968421	-0.733212522	1.901119917
1.250321732	0.645494541	-0.74194167
0.416978637	0.182508308	-0.941618838
0.85289031	-0.776639984	0.146777067
2.094453087	-0.009726857	1.643675187
2.084354264	1.968430187	1.740459729
5.497127041	4.155502356	3.976734298
2.198929916	2.549253877	0.658098893
5.298439256	3.919359029	3.646001166
4.444378605	-1.105577464	3.924647701
4.603208519	2.732707983	-0.685850908
0.165176883	-0.615602117	-0.339404365
-0.425212823	-0.953137956	0.074692761
1.977791412	4.342802134	4.773760132
0.60250176	1.746115965	-0.12980037

0.045532064	0.756101368	0.443791187
0.302509246	-0.33099911	-0.220945586
1.847988641	2.365074246	0.841055264
-0.378056779	4.461767511	6.136093714
0.809508866	0.314282537	0.211971356
2.943089483	2.4003501	2.676026139
0.388570005	-0.306321078	-0.835266212
-0.836069365	-0.372435981	-0.00524877
2.330621624	4.141815956	-0.517452816
2.675552235	1.32368895	-0.730599719
-0.030261633	-0.061946483	0.366829081
1.470908744	-0.671267663	1.450219684
3.030524403	2.952035585	3.532281982
-0.844151181	1.897646036	1.033205684
-0.733059977	-0.724260923	-0.13508601
1.18421597	2.497650871	-0.375531403
0.05997576	0.314313067	-0.329958029
1.769149178	1.036870994	0.963928548
-0.315438506	0.343612309	-0.040774715
1.583404007	0.212930755	1.269315407
-0.974008045	1.235669551	1.985071873
1.926606942	2.975641509	2.545053955
0.95311317	0.359161932	1.441144989
3.809466498	3.763743249	2.849807989
1.302177344	0.833060601	1.155720777
1.106598203	-0.236750121	-0.928646079
-1.028744518	3.860152372	2.37768534
-0.626520231	0.485010379	-0.440936157
1.358656316	0.823675101	2.293910373
-0.158741006	-0.227592444	-0.98346524
2.68001508	0.70828069	0.920586637
0.840377938	0.705103027	0.068512969
6.392442523	5.637803722	0.406243381
2.142215578	2.799075339	1.24270245
-1.163978067	-0.113814955	1.102166942
-0.74612313	-1.110727069	-0.496050464
2.655674507	0.374672716	1.184176525
0.167596639	-0.644861435	-0.071649756
-0.261140329	-0.561609246	0.15606164
1.819105457	1.659079817	3.727321484
1.877161045	-1.001887557	2.05175509
0.316329793	-0.060504514	-0.690432693
1.928743253	1.276033427	2.269160655
6.001593861	1.752458568	-0.698201199
0.979338023	0.221750776	-0.633366807
0.9506932	-0.073855765	-0.262532332

1.304181787	1.523602255	0.849851722
-0.989997465	0.448764797	-0.207878775
-0.939916681	4.309821915	1.453461443
0.932299677	-0.40936965	0.28051334
-0.547880945	-0.119723737	0.906508036
-0.493757294	1.469369948	4.008143085
0.949089227	0.113656306	0.418970154
1.319301112	0.121171263	0.641686584
0.417875861	0.88658241	0.956018108
0.752998452	0.204179933	4.64741766
1.379592927	-0.724611339	0.210460811
4.538737782	3.17222522	2.590319389
2.212957716	2.65593361	2.901416392
5.757729265	0.420049421	-0.952381058
-0.059475446	6.196952941	5.672536693
-0.075668885	6.94278242	2.331692422
1.609383075	1.105031766	1.555946061
1.949076096	1.001105092	3.74063892
-0.612794049	0.406797068	-1.022649797
0.251741666	-0.186609033	-0.272545356
6.551105488	3.140540599	3.743179602
1.763385304	4.636206614	5.629167706
2.231567448	0.332527434	-0.036527659
-0.873673332	-0.567142552	-0.713168867
4.371067451	0.467442852	-1.021547153
2.016662127	0.896957332	-0.277659049
1.477633239	-0.854358312	1.026343981
-0.237295968	-0.127796297	-0.809815938
0.123881541	0.081443601	-0.926030026
0.959790628	0.888076218	0.815501154
1.807903053	-0.378973533	-0.483674067
-0.49279961	0.592776614	-0.108883772
9.580485221	8.878838278	6.149072673
0.334640763	1.274085105	0.266292347
5.388927086	2.40278004	-0.977717455
-0.111548144	1.821220395	3.434389515
-1.214480435	0.965644898	0.414255568
-0.847532714	0.107263089	0.291349749
3.038007283	0.864603208	1.639733223
-0.929609719	0.023346359	1.2409833
-0.694161381	-0.276705497	-0.297317367
0.927465606	-0.427003743	2.936894271
-0.408623879	-0.205132977	-1.053942454
1.245558986	0.092258511	1.060012414
-0.605919964	-0.108636225	1.491773155
2.529935296	1.174205818	5.08170405

-0.986936016	-0.552217677	-0.277539861
-0.933961525	2.208256752	1.047084473
3.145777548	2.129886849	-0.572207408
-0.151011137	0.064679278	0.44412333
-0.111586015	0.753036698	-0.835720174
-0.020996104	0.816270348	-0.103282897
1.085531575	-0.130252469	-0.217979215
-0.699393016	-1.106615618	-0.264378548
0.768875869	-0.278694064	0.032494164
0.358941027	0.197872929	-0.389826783
-0.762784991	2.042069507	5.667090327
-0.192112365	-0.114582826	0.985674756
5.727548955	1.699329114	2.93598026
1.892569048	1.554680276	1.210320861
5.012043376	6.343640243	0.272412385
-0.544353	-0.04777606	-0.011845026
2.403119266	-0.672120144	1.66640347
1.568639424	3.569716994	2.539892333
0.842245029	1.82933333	-0.402279892
-0.605805929	1.26559714	1.939896579
-0.371597349	-0.246688979	-0.614917711
-0.334205723	-0.102828759	-0.192346648
0.0874327	-1.123152414	0.226113666
1.163631063	-0.805941399	1.565108701
0.857390655	-0.667745495	0.528739041
2.413263663	2.605715127	2.787878785
1.424676331	0.926534593	0.144482323
-0.79838714	1.350174161	0.567217681
4.103224412	2.922613766	1.197281232
6.453482045	5.950406668	3.51083231
0.482936409	-0.35160648	0.951623462
-0.201174625	2.2285666	3.582402145
0.205456526	-0.167300907	-1.150870044
0.459723494	0.694898018	-0.532976719
5.833647686	0.413124059	0.091223249
0.088252305	0.515608359	0.541738423
-0.628696861	-0.523922506	1.642168154
0.727792854	-0.172278932	-0.401696181
5.949718481	4.950756118	7.21832175
0.064610701	0.04461538	-0.314522315
-0.182243022	0.246643836	2.949018398
-0.811436611	1.297113627	0.185375555
-1.057279462	-0.391874684	0.191946733
0.602077482	-0.703441723	1.462976183
6.360142831	3.108458473	2.897342089
0.130721327	-0.213655368	-0.850377603

1.566447724	-1.089798488	0.761750275
-0.663480226	-0.282629716	0.735119068
-0.664092986	4.033276286	2.892283591
0.180444114	0.120118423	1.283833234
0.826985246	0.826709803	1.773239721
-0.860086258	-0.105875096	-0.18897347
-0.761143347	3.553286688	2.337437241
6.80165573	-0.560485655	1.074506617
-0.298779063	-0.41936429	0.738549173
4.042299767	-0.414157327	4.802806081
-1.109350523	6.869256483	7.147833556
-0.657026403	-0.307943632	-0.89424425
2.147004985	-0.814930293	1.49931199
1.984678219	-0.003311023	-0.247902518
1.008244968	0.472814159	1.053860635
0.280065353	1.595564338	0.906188875
2.98868958	0.328338914	-0.290706654
1.461210654	2.606666468	0.919186629
-0.707506467	2.924136745	2.985352373
0.412999671	1.545475097	1.467622799
0.400873989	0.800503261	-0.259061836
-1.108559858	0.164885501	-1.173096597
2.050496861	0.7751393	0.163545404
1.413090061	2.689441777	1.325964851
-0.929373263	-0.337112301	0.175357053
-0.808782716	-1.287806664	0.020925398
0.842824475	0.787992901	0.052779703
-0.78598894	-0.646640014	-0.936392695
-0.962948325	-1.1787188	-0.752116027
0.608654238	-0.71762934	0.309840064
-0.864504766	-0.817812199	0.734328924
-0.252585562	0.49365204	-0.465043873
0.384079924	1.151514071	-1.278389116
1.258463693	-0.600870424	0.789232455
-0.85705771	0.875600145	0.759882239
-0.89856232	1.373190794	-0.356430136
9.609110405	5.265505224	5.185074264
0.889822328	0.461332849	1.267887888
3.0955497	2.790516799	1.329763753
0.08973638	0.841701948	1.523583496
3.624036232	3.573130126	1.327499223
5.696436951	-1.200759132	5.672469499
-1.157568259	-1.099112544	1.218033027
1.510905483	-0.469251643	0.803147288
-1.17731925	0.545815233	3.617180952
-0.600226148	0.699414397	-0.302805508

0.858241339	-0.534274827	-0.982954144
-0.128826235	-0.727477819	0.20026006
4.302939538	-0.01649854	0.85896396
3.184222775	3.539044275	0.121904222
0.716631536	-0.203614134	-0.265351902
-0.045207361	-0.33847023	-0.985002543
-0.305296265	-0.763069503	-0.540970755
0.253466732	-0.560556183	-0.581809039
-0.132657282	1.587929453	0.450881584
2.261207772	-0.709035162	1.025482727
-0.251949506	0.677522891	-0.298714671
-0.777237071	3.704021648	0.932498287
-1.014380366	2.551957647	6.101753209
-0.490213288	0.232448253	0.683108146
-0.216581923	-0.333784335	-0.160609074
-0.298709627	-0.185113566	-0.904180998
-1.240252622	0.186361328	-0.454149089
0.084640658	-0.599349232	0.299862207
0.485854211	0.558284493	0.418446832
1.831938804	0.43223089	-0.671927175
1.373423565	-0.000444589	1.144863922
-0.343648814	1.675250843	1.084921199
2.783900009	1.548273289	-0.218098671
1.994681168	0.658213237	-1.005463146
5.311055017	2.119897906	-0.542737496
-0.61894526	-0.191398069	-0.667391526
7.243938978	2.684975516	3.968087568
-0.24709692	-0.696630999	0.522674709
0.820408281	-0.882407989	1.068294489
7.726074666	-1.042242879	2.450663941
5.34253223	4.656584547	-0.704456678
-0.765239686	1.108511258	1.175061296
4.15686662	2.883541246	3.179301896
0.85598866	0.005258231	-0.416485278
-0.347519044	1.125612917	-1.131979902
-0.847556129	2.954628924	3.142438291
2.415821924	1.253589606	2.547594372
-0.887710639	-0.742080643	-0.090244111
0.463418923	0.299733985	-1.400699393
1.560983332	3.16983525	-0.798293357
-0.485004118	-0.038977885	2.086127041
0.646691423	1.591407207	0.212485087
1.009616163	0.424772307	-0.471471573
2.349789379	0.043009198	8.101180793
0.37685437	-0.664539692	0.141536105
2.146735542	4.256802191	-0.626536492

1.454743809	-1.265269379	-0.98119778
-1.079483327	-0.314129767	-0.775371719
1.663528147	-0.758712131	1.544250613
-0.501388117	0.245897231	0.488145745
-0.354225229	-0.082259227	-1.076469605
0.019704398	-0.776373486	-0.607168133
-0.893252988	-0.8761428	-0.761340696
1.127070794	-0.375480184	1.014278724
2.88781047	2.535617353	1.93416061
-0.033808617	0.970789499	-0.857587738
-0.094682977	-1.470200837	-0.411542435
-1.180561107	2.94297029	3.55207473
-0.345660349	1.483826187	0.428674177
1.233090901	-0.059227704	-0.845085435
1.637547845	0.490781583	0.910850855
1.510240093	2.609518316	-0.275183163
-0.446908058	0.952944843	-0.751865867
3.885242578	6.12806457	6.557331887
0.484290615	0.711321675	-0.687270564
0.566216508	3.8592287	3.142107734
0.314919484	0.270117991	-1.28257001
-0.16703569	-1.30684141	-0.979479656
2.763111578	2.244326492	3.470728152
2.421898216	4.774760017	5.757787603
1.19892142	-1.419274863	-0.263641201
-0.178741417	-0.391977378	0.16053688
-0.110200657	0.625574423	0.012134475
-0.241237011	-0.333856646	1.059259867
-1.098779227	-0.107450675	0.479431412
0.350105806	0.010579253	-1.136146083
-0.187047448	1.447107919	-1.104985659
0.161024286	-0.137747275	-1.391998523
4.858334283	-0.817460249	4.653416059
-1.240738057	1.344353172	1.522147685
0.254235725	-1.033223041	4.05968439
-1.341764863	0.199012934	0.296358411
2.381759344	1.870609883	-1.144791036
-0.683251927	-0.442773807	0.280940659
0.273074477	-0.232001966	-0.376931481
3.423857374	4.383684078	4.174692936
0.082756849	-0.010281235	0.757924148
0.854651874	-0.857383262	-0.010947007
0.464470884	0.601081636	-0.499257066
2.862626322	-1.306934164	0.655291487
-1.141095119	0.138223046	1.991067166
0.342977006	-1.265060769	1.086426661

-1.144305576	0.38751709	0.287822751
0.627486736	-0.19693586	0.67910485
-0.722254439	-0.96644683	0.156633493
0.952664514	1.059040727	0.686909734
1.148803375	0.220037247	2.96107617
1.461897904	1.56188643	0.200526015
2.659687138	0.352660293	-0.324274285
0.831242191	0.648212111	0.214450098
1.80220891	0.114550605	-0.522850796
0.976762157	1.493310539	0.003551919
4.566837311	-1.290121913	1.514403873
-0.538417202	-0.175647748	0.029619961
3.727587953	-0.345976251	-1.180286132
-1.34904099	0.964290122	1.04565819
-1.076028794	-1.357987574	-0.993528729
2.161914866	1.66876103	2.51706032
5.258875067	4.775945798	3.168633398
2.672981132	2.054329009	5.817491844
0.530340243	-0.5907552	0.645978522
-1.079244903	-0.94218577	0.006886281
-0.720128067	-0.776938266	-0.65342832
-0.861396678	2.438194882	-0.461183813
0.580825435	-0.028783813	-1.401095973
2.126885212	2.326523897	1.320460662
1.564542928	0.09981114	-0.641600423
-0.380337306	-0.743699132	0.625449471
0.601427539	1.104332811	2.394970086
5.436446496	3.278469323	-1.039681898
1.428334676	3.221908817	0.033156055
2.105251624	0.442292816	-0.656653222
0.374769945	-0.999147269	0.41006716
1.779548964	1.36044219	-0.798461454
1.172884336	0.131898852	2.128187064
2.098258497	-0.616985935	-0.918931108
0.18612644	-0.772958271	-1.422408725
-1.448792831	0.368899404	0.421642421
-0.062187939	-0.114097343	-0.084024134
-0.903375119	2.013819413	5.462056074
1.615888036	0.846043982	-0.93923257
-1.00462879	-0.074606525	0.47728152
-0.90819559	-0.496465716	0.161044963
-1.427987219	2.682163616	1.699719941
0.268561545	0.44757279	0.061443279
0.796323113	-0.509822571	1.523047636
-0.090289433	-1.131346856	-0.541874594
-1.274808853	1.003459551	1.813392788

1.429317768	-1.205958969	-0.331245958
0.626450146	-0.858730436	-0.114001689
2.733927478	-0.726857573	2.44920676
0.779793811	-1.368437853	-0.59462466
3.340899562	5.005310884	3.680381869
1.426940575	-0.447483702	1.587600825
-0.128589773	-0.34508853	-0.75653627
3.691036172	4.899474086	3.737834675
0.982789758	-0.094417773	1.619832235
1.546466279	-0.969151683	1.481875319
-1.10613596	-1.39086783	-1.049492369
1.705736189	1.966692563	1.473329943
1.162747107	-0.733765624	0.547966527
-1.229209199	-0.543848958	0.02549395
-0.363844507	-0.729634508	1.223003143
1.194767713	-0.617905455	0.671298237
-0.189992461	-0.430407575	1.129466688
5.616103593	1.887867953	-1.207594517
1.288437183	-1.054264354	-0.537943219
-0.171793663	-0.501940314	-0.83547463
1.312949632	0.165001778	-0.702359092
0.697957537	-1.115241748	2.727046665
0.539035043	-0.261033209	-0.881481056
8.981089591	6.469458052	6.521368126
1.952611627	5.873306243	5.63903408
-0.608742843	-1.358404161	-0.979618407
0.557665917	0.222272693	-0.219876872
0.249148272	-0.978715286	-0.900921596
3.810541454	5.059426949	-1.066329091
-0.034964638	-0.272844606	-1.174205587
-0.623735511	-0.642429362	-0.543686841
-1.04129034	0.642146296	-0.853652609
-0.284409599	-0.673731796	-0.253331882
-0.424552933	0.568803153	0.627536804
-0.432400804	-0.268943764	-0.432073636
0.024469671	3.66317863	-1.308208411
0.232575568	-0.292048298	0.269253473
1.627186834	4.659508568	3.04953006
-0.362739018	0.348435493	-0.502236636
-0.001413435	-1.198728315	-0.628420153
-1.176100801	3.280937512	1.53752322
-0.336454408	-1.203068502	0.309961909
1.649457253	0.971377546	1.266262046
-0.099365915	-0.645675044	-1.395124274
-0.662256714	2.503926442	1.195308093
0.455633746	0.009293218	0.632826925

0.746731649	1.377882902	-1.04001673
1.184137955	-1.233970251	3.193069622
-0.907687704	0.062187024	0.792292716
0.446816712	0.445962904	-0.827679414
2.150227136	0.430721521	1.524900963
1.599330082	2.021515881	-0.717352875
1.533575243	2.081145223	-1.184384058
0.942328995	0.873392226	0.044842644
0.654353309	0.982401541	2.052857697
0.468461222	2.014497442	1.588589937
2.927469414	-1.296974218	1.317599661
-0.963607393	-0.844906066	-0.238321856
0.448422037	0.82007788	0.208512403
7.716543392	2.012908878	3.190234889
5.159974568	1.694240584	1.677503703
0.184659118	-0.241836389	-0.105094882
-1.393784504	-0.282066132	-1.091640737
0.338258224	2.24153614	1.526072358
0.863026169	-0.338313022	-0.329330807
-0.912733363	-0.378431794	-1.118768105
0.133419033	0.446543636	-0.449146111
-1.244470723	-1.499032256	-1.248883266
0.218298795	4.601575602	5.271720666
-0.425711955	-0.621780998	-0.349803439
2.27431245	-0.176523693	1.814463533
1.75373103	2.01836098	-0.222072303
-1.220801964	-1.447425017	-1.191223757
-0.750256959	1.210926388	-0.563201479
-1.121574523	0.035092948	0.087805979
-1.04649835	1.591590245	2.143804762
-0.215827505	-1.095317632	0.011776662
-0.472683052	-1.145052452	0.807189328
1.9861224	-1.322995951	0.274438162
-1.155560624	-0.392400657	-0.754932082
2.403919736	1.271019955	1.249980102
-0.9081289	0.186398191	-0.794493759
-0.618420099	1.216410269	-0.876399407
-0.755845135	4.732318772	0.877342043
-0.497971467	-0.587739124	0.810620936
-0.590995819	-0.029085227	-0.346162679
0.439383393	0.309264543	-0.188221286
2.934834137	0.659028828	1.544655131
1.892501852	-1.100789681	3.253462023
0.037595531	-1.135908637	-0.982930073
-0.526438797	-0.192171497	0.148704571
3.532021392	0.802298235	-1.294691555

-1.366835799	-0.677103869	-0.208044066
-0.399031635	-0.544238536	0.380527711
-1.220897136	-0.073183685	0.903688707
3.505974706	-1.52270185	0.147671407
0.114230766	-0.451794999	-0.407052324
-1.2965126	-1.544129421	-1.173041851
0.081712643	-1.518349464	0.96065197
-1.637461553	-1.024728218	3.114860491
-0.971155477	-1.101148773	-0.523898513
1.320420539	-1.02676851	0.519782465
0.850259731	-0.266362656	-0.949652128
-1.009499104	-1.468474346	-0.940363405
-1.333146249	-1.582575945	-1.240611614
0.571741521	0.01291137	-1.596969565
0.676146553	0.577152354	-0.62279904
-1.171110192	0.812826675	2.238823805
2.010279206	0.166021123	0.302085182
-0.739192792	1.373592832	1.782616287
1.296076487	-0.335333317	-1.067131061
-1.132433532	-1.485431059	-1.097723499
4.68340806	2.28599535	-0.174203374
-0.571269189	0.957180414	1.809888452
0.458133531	0.817596095	-0.370149456
-1.139990154	2.044151366	2.257090662
-0.500706759	-0.39430896	1.809097068
-1.031229137	1.300835837	-0.431396904
0.111684735	1.477179548	-0.854368443
0.653545559	-1.196379874	0.507302352
-0.449019317	-1.640041237	-0.321827315
-0.237129281	-1.49879035	-0.279008618
-0.373787753	0.882359342	-0.043631416
0.08123602	1.438848471	-0.536353267
0.571568193	0.417511598	0.9199501
-0.222050521	-0.674581484	0.549780675
0.527153958	2.375915723	-0.443243748
1.68704757	1.40707748	0.644470248
2.246836353	1.571750383	1.558523482
-1.646817714	0.414002401	1.081402542
-0.855580482	0.152872795	-0.415378086
-0.626957773	-0.290918241	-0.009988261
-0.971740465	-0.018804409	0.745417201
1.558225044	3.622218963	-0.079676066
2.715591033	-0.494532508	-1.590486948
-0.856631414	-0.451077965	-0.503169792
6.365272355	-1.086640483	-0.738825508
-0.380388355	-1.36516298	-0.854836403

-0.143638068	-0.651528385	-0.147263648
-1.425390929	-1.517112961	-1.249576748
-1.194181588	2.974102923	2.458844436
-0.621040404	-0.11761779	-0.361507218
1.415712751	-0.930403949	-1.159842973
1.112204925	1.344111394	1.465738588
-1.365806313	-1.572168886	-1.224738896
1.506798817	0.696884989	-0.728414552
-1.076328512	2.047496424	0.419200344
-0.859743322	0.423927384	0.313069101
1.435897459	0.409850568	-1.583529455
-0.356512607	-1.573603925	0.133244512
-0.79390548	-0.67634853	0.34941462
-0.267395939	3.232824385	2.553209242
0.116311572	0.861737832	-1.47662674
-0.483752374	1.428514861	0.190805527
7.800181616	-0.777976089	3.108006266
-1.591017879	2.989322991	0.810832462
2.6710365	2.019207653	0.031955324
-1.186352585	1.318402222	-0.50445871
-0.608747332	1.568880454	-0.491038593
3.345807724	1.361927811	0.204303096
-0.02456772	2.614621019	4.398345652
0.377637766	0.270861744	-0.246479723
4.404060921	-0.972926907	3.708974025
-0.398667378	-1.07688508	-1.095292028
-1.090948272	-1.225524995	-0.880755105
-1.115328461	3.520533713	3.993544863
-0.309006096	-1.168933381	1.01111203
-1.578664868	-0.521692309	-0.140851675
-0.063307556	-0.492258318	-1.23509815
0.637299613	0.900010842	3.639730464
-0.64930411	-0.251110821	-0.757092799
2.910491001	4.672265767	4.924364319
1.200575438	0.829970628	1.583465122
0.157118977	-1.099641733	1.435727379
2.845751547	0.546230873	0.161375091
-0.344311112	-0.852548874	-0.146037535
0.509074358	0.272838899	1.584128931
0.769915853	0.292146652	-0.734007977
3.226869851	3.500893228	3.890656154
2.903701507	0.0863383	0.976125625
-0.679630501	0.057932964	-0.442866834
0.315713762	1.592863298	-0.381777873
-0.638646259	1.157104894	-0.1032755
-0.572897774	7.318918641	5.2212791

0.551334869	0.350342055	-0.575195479
0.555371378	3.439747426	2.432772104
0.660965773	-0.772447255	0.194174992
2.364055626	0.871484662	1.682672754
0.720582608	0.468379677	0.830936021
2.26415243	-1.585339808	-0.97976156
1.112282003	1.53374491	1.427704899
0.653754937	0.213144415	-0.93018325
1.282416275	1.004141102	-0.148979943
2.632027121	-1.460750703	1.162517341
-1.102636281	0.397806696	-0.442282081
6.544649505	7.866490104	-1.412058044
1.842969704	-0.996290063	-0.894144967
1.35181835	0.875505978	0.382395046
-0.431729202	0.239727951	-0.559009523
-0.749409895	-0.95393536	-1.099563621
-0.90503563	-0.617731372	-0.267818131
-1.361521119	-0.951644709	-1.130877794
0.778596662	0.420112204	-0.04254426
-0.513887075	-0.304976197	0.229550803
-0.066118009	-1.354076348	0.690901916
-0.690589934	-1.310677839	-0.435111377
-0.258039321	0.21804262	0.778753445
-0.905933	-0.51679789	1.126959553
-0.486310401	0.554360977	0.252191549
-1.007898169	-1.535143942	0.201702047
1.866051501	2.901788666	2.699366486
0.074814675	-0.907609107	-1.507377031
2.198301433	-0.168163146	-1.487729567
-1.186182541	0.183267583	0.847648801
0.572855837	-0.327800166	0.983801596
-0.13824089	1.11123494	1.667452019
0.041737409	1.505518289	-1.315637588
-1.042605783	-0.810688042	-0.378326593
-1.713359857	1.838218537	0.948609704
-1.062678528	-0.341856916	-0.288843217
1.111365379	2.126288112	0.723104639
-1.552125013	-0.404103031	1.837632498
-0.120182642	0.828302466	-0.227324178
0.848727669	1.152412428	-0.344378238
-0.029030898	-0.410483099	-1.019211047
5.263210715	2.695443705	-1.219656757
-1.414950885	2.397595518	2.649991862
-0.7541959	-0.828141557	-0.367032254
4.366045057	1.339884871	-1.797582361
0.076298889	1.745923055	5.635047315

-0.239280391	-0.103278091	-0.303715596
0.996132174	0.829838874	1.114987647
1.166834532	-1.371251343	7.938496854
3.949060311	-1.440188493	2.266725697
0.493128804	1.894158727	-0.358919002
-1.322043327	-1.379571015	-0.961946814
-1.28197657	-0.293918173	-1.055276235
1.004246393	2.733100529	0.567252605
-0.895829077	-0.869259449	-1.007241177
0.429709941	-0.03143077	-1.433118343
-1.391457636	0.912126302	1.668229309
-1.304576101	-1.746375589	-1.419699286
0.613836818	0.393468592	0.474074936
-0.169611114	-1.23473884	-0.404944945
2.323244296	3.141980026	0.444170629
0.636474881	-1.495759356	0.124353444
-1.339639552	-1.661810697	-1.326669265
-1.453199382	1.994037036	3.738136097
-0.46377033	-0.58611789	-0.178988318
0.768759875	2.199179145	0.146434299
1.961696705	-1.478309371	-0.200855696
0.763131224	1.051744659	-0.74776712
-1.074432525	2.730810872	2.510781532
3.157883974	-1.253938825	2.506076082
1.568519098	1.098219437	2.54051834
0.516282096	0.000699529	-1.010162886
-1.48384723	0.503620165	1.056220256
-1.202811174	1.889503735	0.494424929
0.193104943	-1.633854936	1.764149028
1.039909299	-0.753411522	-0.983322243
0.866167171	-1.268332843	1.460388536
0.479548106	1.089139865	0.651179044
-0.293471538	-1.498974883	0.293253444
-0.308407335	0.430779162	-1.056975492
-1.177243969	0.224670638	-0.097443029
0.772203035	-1.12231412	-1.000160604
0.095425158	-1.660522959	-1.391234019
-1.62961317	-1.760644162	-1.368839945
1.962069927	-0.124010593	0.229031373
-1.148537456	-0.434411828	0.526746504
0.316470192	-0.159607529	0.124653632
-1.679871073	-1.535323178	-0.02445297
0.636907885	-0.384266858	-1.219336767
-1.273436165	-0.172102188	-1.214231898
4.191961853	4.234556396	-1.857877001
4.733669185	3.351497556	-0.523330663

0.533242002	-0.008256922	-0.592169175
-1.584749175	-1.594391279	-1.342411245
0.750065284	1.440771041	1.842229513
-1.603527567	-1.286749484	0.607163099
0.253073455	-0.42307494	-1.144503315
2.196099964	0.742611037	-1.052121187
-0.749416194	-0.741120507	-0.214210464
-0.661519233	0.000406764	1.188204495
-1.278164984	0.302072326	0.872289809
2.79818106	2.737185485	0.383683172
3.543539184	-1.645798006	1.041331921
2.348434095	1.944491685	4.651624846
-1.118557664	0.225873204	0.078311336
3.669000944	2.620091328	1.134700416
-1.373114633	1.036543567	0.706545224
-1.461367921	-1.648217072	-1.554685728
0.939732254	-0.641665926	-0.429676995
-0.384657207	0.951109669	0.308101813
-1.792149159	0.079676422	5.110857516
-0.622972934	0.389111096	-0.607788526
0.711360671	-0.358161676	1.739491157
-1.39800413	-1.715592558	-1.474502888
-0.981943707	0.275347465	-0.583236467
1.711241089	4.723316799	4.351539259
0.921642656	0.574066499	-0.032768301
0.494564036	-1.172676753	3.27832987
-0.268585945	0.55538318	-1.730383418
0.446163096	-1.09677939	-0.690513084
-0.344444877	-0.768178817	-0.68896872
3.065054737	2.980666379	-1.308760206
4.626046373	-1.347815996	1.791956938
-0.981510527	-1.209146506	-0.449236948
-1.137713566	-0.571286493	0.266221141
3.870224051	0.609869717	-0.854946868
0.765847327	-0.243608052	1.855056151
-0.910937435	-1.399101943	-0.290566799
1.482483815	0.423103483	-0.035109097
-0.169231172	-0.289146762	-1.020946796
-0.081988423	-1.442818246	0.710608601
0.787572129	-1.309871816	0.071889941
-1.751982469	1.260272291	3.547113782
0.257745113	-0.362471938	-0.471301573
2.126822454	1.678649991	1.739022772
-1.610593446	-1.829390194	-1.571229062
3.102275758	0.128245878	-1.142087134
4.462509506	-0.925945845	2.744962662

0.610184308	1.008853546	0.412008629
-1.340417809	-0.095377254	-0.815847215
1.42780803	2.556065196	0.269921885
1.111051973	0.187488837	-1.083680073
3.890150615	2.265248492	3.220034908
2.25952612	1.166846999	3.224258391
1.578296584	0.893172231	-0.550957091
0.843240961	-1.498326805	0.452853857
2.91448666	3.943371287	1.118459033
-1.129881174	-1.38000138	-0.930421316
-0.241097384	-1.214926486	-1.221122657
-0.640452569	-0.89253782	-1.825049967
3.187312017	0.148466161	1.907332681
0.627083465	0.181052763	0.041929875
1.526806454	-1.66164424	0.593840129
-0.947814715	-0.642076792	-1.522591378
3.891926162	-1.364065896	-1.742134732
-0.001811371	-0.21650679	0.362746359
7.22433681	4.526592246	-1.310586938
-1.571566554	-1.747723684	-1.518204236
1.61941321	2.148686272	-1.330628709
1.222457826	1.553725321	2.715123896
-1.396091838	-1.787880646	-1.392256494
2.820425445	-0.874583927	-1.840523964
1.650874336	-0.685197056	0.031578597
0.033863028	-0.117803694	-0.780320446
-0.705995397	-1.183442411	-0.981393185
-1.563295337	-1.868459563	-1.546692865
-0.117317653	-1.455977468	-1.467079029
2.363483182	-0.697139757	0.164005885
0.889575641	0.346489644	-1.252932003
-1.752691042	1.633782242	3.779759637
3.45425982	-1.059958053	1.936044373
-0.215068627	-1.05282974	-1.476732205
0.000470484	-0.91292663	-1.586279303
0.011404441	-1.606139641	1.190370428
0.534613401	1.143214847	1.994169282
-1.63459832	-1.808361277	-1.702970984
-1.462629765	-0.683343577	-0.90678658
0.807098787	0.453823403	-1.614852682
8.812289648	2.531865086	-1.458620329
4.094335103	2.46865665	5.014766219
3.587105138	-0.284594913	-1.360227341
2.500149536	2.190585684	-0.822123612
-1.023085791	-0.426835722	-0.888635334
-1.650859128	-0.411240356	-1.504058011

1.037053656	2.007998902	-0.072694352
-1.842585821	0.451470812	0.729747351
2.659421123	-0.899290794	0.795954234
1.960897281	1.446942906	-0.490597297
1.720719191	-0.555591034	-1.450343971
-0.568527484	0.763927921	1.321311871
0.082745312	1.354902738	3.407622587
0.007742621	-0.432850765	0.169737008
-1.022788834	3.53752363	3.208460715
1.270287895	-0.794686592	0.882048664
-0.343945226	1.332671667	0.522777905
-1.077243223	0.148888386	0.807844481
-1.07659277	-1.148158562	-1.97768146
-1.154720311	-0.565725624	-1.194556377
-1.45658687	-1.664401166	-1.337915592
0.805604146	2.28952952	2.547257534
-1.793806126	4.032773135	2.930187927
2.168148933	0.19850236	0.372173862
0.063311772	-0.607509063	0.022171066
0.131990127	-1.361432172	2.54156767
0.648137962	-1.424822544	0.304198295
-0.8277276	-1.654632209	-0.030004855
0.247106401	1.247788199	0.686169655
-0.905606524	0.235616586	-1.351166251
6.761509474	3.043997512	4.032231821
0.126832059	0.661324786	-0.310684418
2.562160349	-1.016782366	3.287294287
4.65102367	-0.875806965	1.504699018
-1.011652153	1.727674789	-1.582843162
-0.66372785	-0.636173392	-0.855186695
4.920209311	2.292829276	-1.27177991
0.32267851	-0.961134927	-0.768765279
-0.894611517	-1.182140071	-0.263206852
0.101482958	0.475328788	-1.12524882
-0.570724995	-0.866322383	-0.006749692
-1.993510074	-0.262646435	0.39725374
0.945290742	-0.05996807	0.461804543
-0.560107971	-0.36353707	-1.657292867
0.6118061	-1.210700345	1.02859089
-1.842288487	4.030536426	2.077285076
-1.159557898	0.626323792	0.132421461
-1.180788032	-1.535927812	-0.713270186
-1.724348994	-1.339696309	-1.23206728
-1.706509194	-1.774663098	-1.436484275
-0.672952606	3.808520776	2.318523845
1.157121939	1.450728256	2.055296226

2.380635409	0.239550897	0.569890304
-1.554139012	-0.341091592	3.290557376
-0.833936252	0.902920731	-0.652837726
-0.56233922	-0.042218189	-0.474702426
0.786041963	-0.852291417	-1.120982272
2.141333134	0.277660626	3.470969145
-0.702957244	0.604933435	0.565803841
-1.506032319	-0.913303304	-1.68467574
0.721116594	-1.630628872	0.374972192
-0.020595207	-1.363320997	-0.002949442
-0.403146956	1.020701328	3.005009401
-0.051898307	0.319409806	0.458726467
3.986912591	3.331771353	0.794763803
2.500207462	0.90399589	0.636369863
-0.829331449	1.426093528	-0.983493207
0.474877048	3.345776244	4.843550341
-1.372916939	-1.262958631	-0.836859875
0.860383268	3.912276994	3.742426495
-0.030689274	1.380836966	0.620670543
0.919264737	-0.28752202	1.407396727
-1.433572751	-0.465472754	0.668203924
-1.224243893	0.170142913	-0.816635169
-0.930857473	0.896057719	2.176573823
-0.919362231	-1.327602594	-0.886262658
-0.993104807	-0.057042409	-0.077323444
-0.087076933	-0.932064231	-1.283978757
2.955721119	-0.566353676	1.092638808
1.939335433	-1.689985915	0.832858471
0.221269737	0.13882478	1.492569662
-0.055200166	-0.404265063	-1.433542508
-1.607257237	-1.869575914	-1.565084661
-1.557340913	-1.733623337	-1.511945873
-1.868095787	-1.633572592	-1.642382979
1.672410852	0.149435437	-1.28190689
-0.017268953	0.34107604	0.125499332
-1.86270635	-1.612612397	-1.49478793
-0.392734296	-0.503991017	-1.210008568
-2.101885294	2.556279418	2.019193743
1.624863482	0.783547322	0.067525001
-0.352476505	-0.671632423	-0.219433741
-1.56181155	-1.812594014	-1.545655403
0.462218793	-0.670871801	1.465194755
2.967016656	1.637539737	-0.939305865
1.880080097	1.190886869	-0.335087431
1.441122304	1.415690771	1.891769932
-1.168086996	-0.65032938	-1.134861367

-1.505935387	-1.212959159	0.023114713
3.31381381	-1.474126624	1.871468078
1.165433439	1.160292017	0.570400681
1.914295379	3.143849915	1.884224706
2.217565771	2.830113757	3.391194734
-0.96004762	-1.387733714	-0.564750097
3.012411791	-0.239272252	1.003189544
-0.421570122	0.721492952	1.998190557
1.273490818	0.110363218	-1.09427096
2.523431744	0.829284961	1.866316254
-1.133947646	0.760279983	3.579771506
1.810852394	-0.667097586	-0.255716542
-0.78861109	-1.657594889	-1.210838534
0.283021176	-1.670072519	-0.121739098
8.654634762	5.523830046	5.428704284
1.562526193	1.53253366	3.662534923
-1.756587595	0.259754442	0.23133286
-0.385990807	-0.987656891	-0.706497498
0.224041746	-0.185933639	-2.023935568
0.825163035	-1.46757717	-1.171065264
0.102340272	-1.069219643	-0.288570249
-1.391619453	5.205882549	4.346160033
0.547527637	-1.997606311	-0.476677998
-0.968874478	0.677101435	-0.907355571
-0.248414897	0.398734217	-0.764370708
2.611166811	3.304088115	-1.914662643
-0.924789659	1.014026247	-1.222097174
-0.712449317	-0.103056121	-0.508779757
-0.950596559	-0.635719231	-0.837963076
0.681730813	1.15084276	-0.622035692
-0.964890982	-1.211097938	-1.228173471
0.029571057	-1.026537473	-0.324124487
-1.560362718	-0.768255003	-0.183899419
-0.2655686	-1.505292474	-1.507157817
-1.476397549	-0.869145788	0.560746016
0.238974673	-0.446228246	4.02710058
-1.194350083	2.467533588	1.776258169
1.991631964	1.315519086	2.58215079
1.823616384	0.952323345	0.419875592
0.242518292	-0.042866858	-1.106001139
-1.684894634	1.404247325	-0.8536327
2.729090093	-0.40666477	1.866654912
-1.46673755	-1.81772186	-1.297298233
1.014235905	-1.521740033	1.235923227
1.161845859	0.060583135	-1.055636779
-1.486361968	-1.825510812	-1.497263963

0.125152456	0.074242403	-1.886404664
1.113603583	-1.115873979	-1.163535978
0.024455792	-1.265037709	-1.098694405
0.817914193	-0.676669878	-0.961605546
0.04924154	-1.294149061	0.207463564
-0.660252488	-1.261239221	-1.339427574
2.319985072	0.498651026	-1.139745231
1.632603769	-0.628338822	-1.561539169
-1.91887903	-1.136507944	-1.278773704
-1.507443806	-1.493125545	-0.537192745
7.865812054	-1.445365392	-1.718225768
0.816018937	-0.275488668	1.848890176
-0.594968325	0.136292413	0.99890566
-1.198012043	-0.298138185	-0.878459864
-0.282325311	-1.749113156	-0.65034118
2.696249387	5.240987004	-1.229273714
-2.078854688	0.54740769	0.10129598
-0.636034693	2.371571009	1.849328182
-0.702474242	-1.064803565	-2.106063973
0.92487331	-1.668556201	-1.076888586
2.408496017	-0.704236814	-0.252129544
4.765977834	0.818948046	0.39162554
-1.489557867	-1.599830875	-1.351061482
-1.356167142	-1.982161023	-1.178172551
-1.517686649	-1.804878554	-1.821995266
0.135151927	0.320409834	-1.601637392
-0.794845556	0.039504143	-0.41682932
-1.948734106	0.303789339	0.851713389
4.511973325	0.20702932	-1.916177062
-0.272865479	-1.153591135	0.33144865
0.111015716	-1.733318188	-0.041793324
-0.252400932	-1.69538795	0.152509054
0.233045072	0.840158166	-0.006217544
-1.047874917	0.294418881	1.667424075
2.377143827	2.096940127	0.916291795
-0.900248353	-1.330113396	0.435763095
1.154145916	1.808496754	0.52650995
-1.754678736	-0.408409908	-0.563960126
-0.025599072	0.368360753	-0.761112707
0.40728049	-1.99275427	-0.929081342
-0.043900187	-0.784170324	1.10379653
0.611492562	-1.093725573	1.008932802
3.904239333	-1.507829934	-0.5416698
-0.160224302	-1.045515757	-1.177818057
0.656541723	-0.314163295	0.10802255
0.713929484	0.464593855	-0.164800478

1.671691608	1.715946267	0.596306605
-0.374795275	-0.147575232	-1.798881947
4.07596473	4.439345839	-0.44339149
-0.890738646	-0.093128035	-1.686715289
0.367445031	-1.097769444	-0.042976534
-2.045468365	-0.938619627	-1.76808562
-0.148225191	-0.325133778	-0.522018588
0.219449297	0.692626454	0.336140882
-0.73563248	0.229236299	-1.608292914
-1.408006567	-1.437915356	-0.574451416
1.086657821	-0.398313719	-1.625308927
-1.194965964	-0.545676751	-1.07539398
0.875104569	-1.440377295	3.087863962
1.27749706	-2.165000582	4.828796444
-1.927345495	-1.959960154	-1.567158427
-1.907939266	0.721397425	0.955987767
-1.001907831	0.761168385	0.734101468
-1.662798732	0.303428649	-0.494584695
1.309460695	-1.769598679	1.896490422
4.051476641	-0.15109839	4.08789974
7.841731239	-1.759680943	-0.169880009
-0.802224882	0.650263997	-0.950734314
-0.054701018	-0.296628233	-1.124261755
-2.128965897	-0.749958415	1.12993963
-1.992630258	-0.655287	-1.673932799
-1.542665438	-0.170730156	0.002392327
-0.117553615	2.648136457	-2.114480885
3.156316808	3.029591102	-1.554764713
-0.526565082	-0.689859777	-0.257211225
1.742342779	-1.884032069	0.558592945
-1.547077635	-1.597433817	-1.789005648
-1.030103862	0.931219381	-1.214091472
0.187096943	0.470197726	-1.213590826
-1.26479314	0.429744691	-0.517719381
-1.707508969	-0.042938883	-1.906372978
-1.226885408	-1.18607251	-1.748346217
-0.618890422	0.499724535	-1.212804392
-0.960321762	-1.096168315	-0.322988511
1.122784893	-0.918161004	-1.311757333
0.702495918	0.533474488	0.908184648
0.560003396	8.224842197	7.783977744
1.476856964	-1.044867634	-0.344554416
-1.179063462	-0.482167834	-0.482109745
-1.431246081	-1.363901258	-0.638242345
7.94279861	5.198674352	-1.242181539
1.520203803	-0.258243342	1.188838754

0.621231888	-2.06686938	0.526285153
-0.611178778	-1.835887891	-0.548588652
1.766756267	1.759652456	2.134985523
1.243020845	0.040529297	-1.231562204
-0.356470446	0.562497672	-1.765298798
-1.367392207	-1.311544253	-0.288194398
-1.988208713	0.413280378	-0.805714392
0.242052718	-1.802085987	-0.600861626
-1.710651447	2.200071712	2.636013932
-1.853219561	1.751756612	-1.119960084
0.866229204	6.646448195	8.56867858
-0.747329399	0.3344054	0.975347665
-0.502103851	-1.482735406	-0.813635308
1.058248136	0.100732874	-0.038259699
-0.477298503	-0.462900703	-1.009585351
-1.672005449	2.97416794	4.16811418
0.239578992	-0.765342084	0.14848298
-0.330348382	1.050730387	-0.026589162
-0.852983648	1.060186427	0.850974937
-0.93756757	5.315966185	3.97939993
-0.565510468	2.819688215	2.163299302
-1.48260162	2.985202184	3.962803968
0.907931578	1.003587171	-0.042709028
-1.170198041	-1.053033282	-2.080457588
-1.436972823	-1.56670812	-1.19682816
-2.033528925	-0.792394946	-2.06235593
1.961532955	0.787406945	0.104402331
-1.416235794	-1.216256535	-1.084493908
4.148394184	2.04027153	-1.627195777
-1.6895765	-1.810534047	-0.162794883
-0.82917315	-0.710560254	0.743492785
-0.792361359	-0.059606281	-0.697311682
0.996331726	-1.797881674	-1.697832387
-1.014964392	-1.299059276	-1.918662364
0.03976852	0.013160389	-1.829345167
-1.830091351	0.500949859	0.925825482
3.38135747	3.047350876	-1.63749552
-0.621622372	-0.260819084	-0.198066319
0.73172481	0.56765226	0.082033658
0.381764463	-0.93910721	-1.20667297
0.563353027	-1.099169456	1.110107633
-0.003705414	-0.210559497	-0.788274389
-1.471474712	-2.123693027	-1.631351549
1.26959585	1.404345769	0.952895857
-1.803675398	-2.221892197	-1.692825791
-0.415726863	0.927323045	1.808992136

-0.83603204	0.0510724	0.602119029
-1.63081436	1.100414192	-1.974556098
-0.483525505	-0.78465635	-1.005796063
-1.670052909	1.076708374	0.861641656
-1.987407768	-1.404931996	-1.657489133
-0.813272593	1.709657313	0.753367022
1.762617964	-0.857752729	-0.514859563
-1.384080756	-1.963631924	-1.599342054
2.49527021	2.146052273	2.276782477
-2.362367614	-1.222277627	-0.007567322
-0.25427999	-1.751804989	0.073208527
1.773255133	2.262601611	1.588912155
0.93136112	1.233227644	0.47538092
-1.380152689	-1.117687852	-1.762362075
0.66869984	-1.921282696	-0.327123152
0.903722256	0.620555885	1.127867531
-1.988576105	0.650855187	3.296244142
-1.379419065	0.819917371	-1.437937188
-1.905149373	-1.126760141	2.62063126
0.597061281	-0.609290882	3.021323536
-0.983490314	1.226299091	0.380879935
-1.447609872	-2.171807905	-1.744864775
2.333085968	-1.749712053	1.827402163
-0.461406993	-1.028129887	0.202254288
-1.258636257	-1.158108348	-1.54537514
0.563036125	-1.631370936	-0.293874195
0.722006449	-1.099331364	-0.280309107
1.723919214	-0.321071256	-0.271256342
-1.759846286	3.718495506	4.346664257
0.143576758	-1.91375481	-0.833352833
-0.575278347	-0.159685668	0.205924095
0.826937205	-0.333425343	-1.8314119
-0.818898461	1.331001935	0.694868851
0.420810366	0.049571902	-0.14337085
-0.097434433	-1.00153457	0.413938753
1.086015	-0.615677069	-1.776691277
1.424615423	-2.019931742	-1.514283494
-1.367914733	0.374035854	-0.827360588
4.208835368	-2.290381088	5.147681972
7.123133171	-1.956845903	3.262664875
-1.658298265	-1.963167809	-1.56741435
4.966675399	-0.85445998	-0.699244004
0.84157425	0.365354614	-1.83998907
3.738514232	2.8618389	-1.816381225
-0.73177394	-1.67819805	5.598387878
-0.734473597	0.57063841	0.01340467

-1.781786543	-2.165485824	-1.378011781
-1.964603914	2.472091172	-0.610291875
-1.493779223	3.927497713	3.579349048
-1.988243353	-1.973118872	-1.814521804
-0.387544764	-0.572331474	-0.051601773
4.057054359	4.789540707	-1.997193504
1.570529014	-0.309943607	-0.448645561
-1.435092469	-1.363992655	-1.85827327
-1.888332916	0.480737213	1.677665136
-0.607682852	-1.110051571	-1.191059017
0.182631812	-0.091950795	-0.999338681
-1.984557003	6.812518704	4.300986886
0.542595259	-1.804644484	0.077441395
-0.141320677	-1.881075153	-1.319289492
3.343716148	1.94541698	0.793289255
-1.438064467	-1.518114147	1.582329839
-1.946147776	-2.193221117	-1.836394676
1.349504395	4.689743472	0.483975467
1.706849258	1.908532235	-0.612349977
-0.614968895	-1.039527224	-1.390583168
0.252706196	-0.901348732	-0.014858886
1.344413585	-0.227063392	0.50864626
8.381484545	1.80063905	-1.077212026
-2.017632428	-2.046324443	-1.767246479
-2.237568898	0.310060265	-0.264760866
-0.321731472	-2.192613045	-1.570267398
-1.301273049	-0.833389722	-0.850211924
-1.750781722	-0.169468027	-1.537427347
1.173210026	-1.094938766	0.798855541
-1.400268862	1.942467985	1.658016278
0.130939376	0.061864742	-0.010572175
2.202417895	2.913843651	-1.024287866
-0.29418369	0.425044626	-1.776451048
5.385950041	0.529366121	0.614382264
-1.470624807	-0.879438344	-1.948962008
-1.763938634	-0.932981493	0.059370244
-1.761295962	-1.83130809	-0.944731727
-0.79232541	-0.466957627	-0.383347608
-0.09509516	1.562103988	-1.118516244
-1.038707434	-0.346394254	1.699985844
-0.842191794	-0.019455504	0.351760422
-2.085039041	0.599056103	0.508271967
5.315371822	4.251291911	2.842567237
-1.33612977	1.237860771	-1.312267131
-1.555148083	-0.78476767	0.662376684
1.114466992	0.386019258	-2.108398176

-1.876740401	-2.043926855	-1.725658929
1.53830914	1.481010773	-2.315052547
1.211495807	-0.592992619	-1.44221821
-1.965033386	3.930512212	3.906541606
-0.388760183	0.192478004	1.177708115
0.082842004	0.788313767	-0.47533742
-1.910492301	-0.751459861	-0.938159673
-0.590631484	-1.071534961	2.437342984
-2.049473641	0.317146025	-0.027562031
6.482235861	-0.960360611	-0.793549171
-0.420252725	0.846484358	-1.888142259
-1.359438871	-1.183766672	-1.959442265
0.318006114	-0.518165363	-1.071179036
3.812754282	-1.87524359	1.164074021
2.458897985	3.043234303	1.031709331
-2.126546841	1.720260685	0.66841904
-1.43966798	-1.327661429	-1.327828058
0.247945747	0.954650563	-1.13373431
-0.767395581	-1.500953818	-0.522441471
-1.685330165	-1.745846377	-1.332929682
0.907076005	-1.19481271	-0.687995032
0.174480905	0.229226265	-1.995580046
1.772121728	0.144059763	-1.889845084
-1.330075033	-1.559293745	-1.48285594
-0.879374942	-1.086104865	-1.308997493
-1.997412743	-2.084380733	-0.84737995
5.606059121	4.601706681	0.446232992
-1.127976683	0.928696825	-1.520758965
0.664590277	-0.088201806	-0.942275427
-1.76438166	1.277081397	0.225937927
1.738196583	0.368815725	-0.093615645
2.186563933	1.469933103	2.260502613
-2.209629181	0.805971449	-0.444475304
3.258176741	4.875403465	1.893284774
2.495733571	0.21353229	-2.43752936
-1.412981635	-1.760269791	-2.349172896
-1.548391713	-1.376745958	0.14440042
0.403780864	-1.650591174	-0.376920968
-1.996039441	0.599717423	2.491692034
-0.940322289	-1.236897124	-1.90325371
0.074753828	0.219591022	-1.323536487
-2.163882987	-1.921143814	-1.518319511
-1.681695418	3.753300474	1.974543553
3.266468701	2.540796269	3.08457962
-0.79337501	-0.156939117	0.01035887
4.8968249	1.805234537	0.25136129

-2.224436585	-1.764387462	-1.536116437
4.221418471	3.273152935	3.166689425
0.558443185	-1.353441607	0.340336102
-1.815837032	0.420667107	0.128523314
-1.842006268	-0.843821976	-0.343933285
-2.323802438	-0.652420796	-0.881245583
0.129622304	2.555734052	5.365836512
-1.963094834	-2.210182202	-2.063740577
0.47879809	0.374268741	-0.419810362
-2.084758217	-2.349140177	-1.477144543
1.879465763	1.719054992	-1.525078934
-0.330614231	-1.693670757	-0.202101419
-1.883912498	-1.048690835	-0.037366299
-1.335574638	-1.078660162	-1.347086765
-2.05596444	0.640239881	-0.580159659
-0.01594523	-0.540504272	-1.089770184
0.215064209	-1.624474432	-0.476946926
0.436379092	6.23354501	4.311984705
-1.168448837	-0.497973089	-1.149022073
0.023070546	-2.160790184	-0.277279297
-2.194587985	4.681695829	4.07481628
1.464714053	-1.835743673	2.324773658
-0.37517114	-1.3183653	2.186845651
-1.952197206	-1.518217587	-2.464085273
6.295217327	0.525095274	-2.124499617
-0.263561239	-0.669902387	-0.650714979
0.151768371	-1.31815942	-0.589390285
-0.278411191	0.707070424	-0.347596452
-0.739361185	-0.543673318	-2.397553009
1.357924838	3.365596129	2.022915096
2.481005138	2.379815153	-2.409544743
-1.173856446	-1.337285081	-1.314740101
1.834302815	0.621363534	-2.029886481
-1.91410606	-2.220740403	-1.824765614
-0.42002353	-1.571168922	-1.646207099
0.737933796	-0.613556291	0.203374652
-0.120996512	0.800306472	0.720813374
-1.259547541	-0.191675649	-0.236494107
-1.415472377	-1.465250652	-1.44194582
1.772015239	-2.118440912	-1.425085764
-1.726040098	-0.37126452	-0.911406486
1.161051418	0.693790237	-1.36316312
-0.424501965	1.155142886	0.191323325
-1.776247741	0.544851896	-0.776650173
2.528457309	0.352316522	0.671715184
1.751866319	1.01923814	3.523921848

1.495550825	1.987500616	-0.44802481
-0.761380178	-1.298652981	-0.942095369
-1.044048127	-1.111929672	-1.003729697
-1.972903257	-2.254285197	-2.150743111
0.047808868	-1.302491921	1.146533074
-0.210179812	-0.375553244	-2.424234487
4.444754653	2.454884439	1.531123381
-0.544857349	-1.275077291	-0.534039538
0.15334149	-2.179665498	-0.264876734
3.452318005	-1.991522362	-0.279881599
-0.038130792	-0.45260032	-0.232940598
-2.440377377	-1.341706114	2.617724151
0.333140293	-2.253947333	-0.189881507
7.985692643	0.423835563	-2.174780711
-1.688343285	-1.324177897	-1.463861679
0.367296992	-0.054098186	-0.387475731
2.311631858	-0.204568621	-2.113536419
-1.124181681	-1.63959007	-1.985731213
-1.103121528	-1.271422802	-0.865389664
-1.072129853	-2.302331702	-0.363558982
-1.641667555	-1.97812574	-1.837792309
2.435715053	1.615753838	2.132511204
-0.060414206	-0.701857809	-1.066857141
5.598478061	-1.554816126	4.101401026
-1.448838974	-1.317814444	0.827944382
2.765515144	1.375642312	-1.525492472
2.019718975	1.387927337	0.478559259
-0.644844254	2.102227002	-1.693871796
-0.183426112	-0.143384908	-1.28446869
-0.047300284	-2.051806704	0.238210414
-1.431390059	-2.11837449	-2.264360226
0.997006526	-2.34419593	-1.081781118
-1.927167205	-0.980340223	-1.637697368
-1.914996373	-2.133850882	-1.688410138
0.517711283	-0.022637553	-1.733487871
-1.906390649	-1.437401992	-1.10036197
-1.660158442	-0.110142121	1.112824456
-1.63118369	1.130559987	-0.426720198
2.233212513	-1.276337473	-2.149356064
0.446866803	-0.678261116	1.436411335
-1.44714902	-0.602680327	-0.116311505
-0.25436264	-1.080084734	-1.323001789
-1.816487764	-0.887319958	-1.144424664
-0.363313343	-2.08751317	1.348745096
-0.489400076	-1.970969771	1.404146438
-0.931920644	-1.848643227	-0.325597949

-1.322507902	1.214854653	2.055364266
0.824521365	-0.19507474	-0.069692682
-2.089458268	-2.106222241	-1.313261871
-2.546193698	0.832631924	-0.15214344
-0.175550906	-0.747074706	-0.993985972
0.778382957	0.123647482	-1.833593598
-1.513781414	-1.19431897	-1.716522268
-1.575591645	-2.313711332	-0.759903843
-1.007221355	2.252398758	4.13836653
-2.402494467	-1.972744168	-1.276253619
-2.094953575	-1.150230595	-1.111139831
-1.905504913	-1.153276733	1.684583946
1.187375806	1.601584435	1.437715173
-1.483317272	-1.928537559	-1.708030168
-2.467674398	-2.166661901	2.688041127
-0.644251542	-0.588110831	-0.682598711
3.170977755	0.323414588	-1.071066822
-1.177475806	-2.413684889	-1.768864194
5.155956859	-1.903441003	4.49692472
-1.406399188	1.13449481	0.574747155
-1.361051821	0.061581433	0.018730172
-1.86370229	1.201618275	0.709322263
1.531112131	0.692192708	1.314035071
-0.31105239	0.479677571	-1.610927112
-2.389845399	0.039873516	-1.562988597
-0.32130603	-0.095829692	0.045278889
1.28606072	-2.159144424	-1.167478998
-0.553145748	0.860542194	1.463706977
0.077164082	2.322312834	-0.081757466
-0.462505509	-1.599014698	4.264946613
-1.807265425	-2.027926694	-1.516066653
0.059754841	-1.924712242	2.037240128
-1.717844453	-1.86136617	-1.651496802
6.375056149	-1.623272047	6.63263169
-1.340957104	-0.86984821	-0.847281234
-0.103047681	1.141257527	-0.459691611
1.973010327	-0.926259802	1.116640384
1.225690541	-1.126826213	-2.046588466
-0.199342565	-2.010438754	-1.620080326
1.463869122	0.04576875	-1.929898499
-2.420336174	2.20312912	-0.226412987
-2.110267711	1.154769538	0.119118075
4.631363904	3.580274425	-2.141752336
5.868396737	5.422703802	-1.781855723
-1.682550836	-0.874778803	-0.991541462
0.105180068	-0.953669716	-0.184648992

3.525604076	2.590893149	2.493110755
-0.43389325	1.284878123	1.399520323
-1.621254541	-0.718835477	-1.787918413
-1.730321986	-1.990765993	-1.888097557
-2.123808735	0.696038187	0.297567607
-1.730233094	-0.018346531	-2.121899396
-0.942157461	-0.468942338	-1.425728675
0.234313167	-0.849548165	0.396888667
1.143165303	3.898371149	3.873312581
4.27812867	5.227800021	6.039944097
-1.68263558	-1.334317225	-0.457521814
2.449552915	-2.355650538	5.703833014
-1.724507648	-2.248198248	-1.537383863
-0.957559384	-2.440026702	-1.691419554
3.885322446	0.98812126	3.435839929
-0.940368786	0.865986996	-1.196477101
-0.593780255	-1.456339876	-1.412861066
-1.254871509	-2.001155375	-1.072346882
-2.477543074	0.016597899	-0.963432256
0.913253025	-0.608554609	0.798550103
-0.885349463	1.01371858	-1.95668898
-1.450374665	0.135061579	-0.186230339
-0.398040268	1.508562789	0.732897323
3.58540437	0.932836535	1.311076852
-1.111562084	-0.501654481	-2.351721838
-2.539986479	-1.314324965	4.282322293
-0.661611881	-1.851825001	-1.101991581
-0.363362958	-0.635704305	-1.41352956
0.855797317	-1.410962647	-1.275384227
0.403706274	0.6442543	-2.350993314
0.928654733	-0.374925989	-1.776523407
0.389925726	0.234145855	0.548830749
0.141773007	-1.028704921	-1.167781083
-0.816436456	-1.601990514	-1.231265117
-2.487454391	2.204844083	3.466675069
3.231153822	0.485650551	-2.315722009
-1.833545446	-1.079697758	-0.800287918
-1.893159407	3.195380182	4.016160472
-0.969997185	0.453496604	-2.676502267
-0.795402279	-0.556884387	-0.894842295
-0.550538285	-1.359850426	-1.080507159
-1.63343212	-0.204900401	-0.866587728
0.656508827	-0.671617224	-0.69992028
-1.924488431	-0.22762292	-1.504560435
-2.305928261	1.300775622	1.713925645
-1.855108872	-2.478978704	-2.115809168

-0.060062534	1.223970514	4.788508381
2.51099014	1.688695917	-1.920599368
3.409718249	0.388295987	-2.637099755
-0.560863884	-1.730859063	-1.19487586
-1.98914979	3.420368972	1.377014138
-1.182276885	-1.353654519	-1.886412236
-1.730227596	2.612646279	6.421769967
-0.477821167	-1.73845842	-0.350207555
-1.633417262	-2.467233797	-1.460415106
-0.840997477	-0.582008416	-1.879097585
4.177170143	-2.239178793	1.167044633
2.992809049	1.743877123	-1.774820163
-1.591322381	-2.446744663	-1.647944354
-0.179787925	0.043630763	0.609617864
3.596350933	-1.991387094	4.382340704
0.316042345	-2.239975376	0.520770046
1.311581756	-2.297786679	0.521706085
2.252563444	3.289178183	0.035851177
1.736494977	-1.436870617	2.37792631
0.009820581	0.673893809	-0.855726703
-0.186619672	-2.314281184	0.724141937
-1.481702655	0.612627782	-0.706129761
-1.094025744	-1.906156463	-1.993199211
-2.45010017	-0.769872474	-0.143016601
0.300707063	-1.83165976	-1.457592524
1.40246988	-0.89452491	-2.227288694
-2.151435265	-1.321592865	0.760554827
0.349337185	-1.280593585	0.97730811
-0.933138949	2.881474949	2.318687748
-2.342924222	0.157724727	-2.111989665
-2.086493714	-1.182528316	-0.195524805
3.78271693	1.224865044	1.268351839
-1.274998718	-0.789504158	-2.251456353
-0.119446933	-0.555716885	-1.359887104
1.151034895	-1.118246493	0.225708836
-0.418119167	-0.342585523	-0.365398414
4.168011345	-2.124357187	0.829919978
-1.56774272	-1.773369222	-1.799375735
5.131672015	4.870841998	-2.075248204
-1.661923727	-2.229448183	0.915156557
0.096765323	0.364003746	-0.05516724
0.070826154	-1.517514874	-0.939252924
-2.341920417	-1.622624132	-2.676837509
-2.626732356	-0.599847476	0.119752367
-1.445903697	-0.824430957	-1.049239411
-0.289721165	-0.787923377	0.39590311

-1.772834021	-2.13261019	-1.68318059
1.258558187	-1.67099414	0.4433734
-2.109887378	0.16285735	-1.292538584
4.209683638	1.320167397	-0.221926916
-1.560800279	-1.022206074	0.96382096
1.412316354	-1.792243511	-0.920267973
-0.693529847	0.013389358	0.08914259
-2.364611792	3.892099337	3.982203145
2.28352088	2.073993646	-1.648650103
-2.345716139	1.48901869	1.070882654
-1.334741728	0.085433566	0.399831547
1.904945332	0.466558628	-0.959736067
1.882261631	-1.385593339	2.07561359
-0.7819416	-1.094407872	-0.346566967
-0.598261678	-1.312876126	-2.605951822
-1.357047811	-1.632720533	-1.448707144
-1.998962478	-2.128715658	-1.733203928
-1.937432168	-1.665575974	-1.735862789
0.150853501	-2.324002657	1.720975336
5.752813166	-2.262575789	0.041176121
-1.593193739	-1.63083591	0.015706364
-1.626931195	-0.331933233	0.675291047
-0.629166737	-1.403433759	-2.209553912
0.326858181	-0.877740293	-1.473087339
-0.625375626	-2.254918094	-1.871147967
1.864160155	-2.188840849	-0.303101636
-2.592502205	3.516271009	5.186836533
-1.976028883	2.924428604	0.751101325
-1.695624278	-0.192004507	-1.80972058
-0.51560052	-1.90443216	0.15485891
-1.181188839	-2.010332131	-0.994311688
-2.656897799	1.994821471	-0.661587119
-1.110009389	-1.333404993	0.425946733
1.650809423	1.409126986	-0.759851323
-0.650577549	-2.572940186	4.977435898
-1.406315469	-0.973615679	0.242082395
-2.402432294	-2.045214493	-1.62759984
-1.087486212	0.036523778	-0.830650199
-1.005886517	-1.100618948	-0.632179272
-0.005910136	-0.753902744	-2.084154781
-1.562525043	0.970713978	-0.124855696
-1.294278818	-2.322358337	-1.997493376
1.57110928	-0.682064689	-2.694354925
0.313271513	0.058053345	-2.104516927
-0.240521213	-2.01134416	-1.051636926
-2.009506895	-1.139875797	1.581924197

-0.25243215	-0.054826307	-1.592506594
0.453426508	-2.083746183	-1.166558229
0.233226572	-2.209646036	-1.379905328
0.671976483	-0.890588745	-0.655180584
-1.360184876	0.994786354	-0.157885538
-0.66633061	0.584616151	-2.221728959
1.054022553	1.712234114	-0.374946348
-1.242433535	-1.095770283	-1.355614811
-2.255562821	-1.378277126	-2.222032517
0.203891775	1.808134094	-2.586491836
-0.792480965	-0.664590085	-1.17628253
-1.200155608	-1.575276114	-0.75263174
-2.845893419	-1.483088028	-1.843996963
-1.86104348	-1.722393256	-2.075262241
-2.722784126	-1.882353471	-1.028390218
-2.636631631	0.891616063	2.048438228
-2.363544402	0.115386716	0.48357009
0.080414595	-1.698938474	0.708940061
-1.205744828	-1.164338114	-1.646394048
-1.213659396	0.802417488	-0.630613759
-0.118476084	-0.855413812	-0.956113536
-1.375293639	-0.165116203	0.077212269
-0.038434422	-0.684518219	-1.591308327
8.220472558	3.463556735	-2.648899475
6.770259848	-1.232421621	6.481974445
-2.822130996	-0.028264724	-0.169558846
0.584220686	0.23377912	-0.135616105
-0.415815437	-1.316434447	-1.733424921
-2.630968784	0.549518629	0.519214426
-0.783861485	-1.087089486	-0.669876284
4.585253311	5.282382406	-2.546890728
0.242067392	1.689437934	-2.735488133
-1.980764774	5.079020039	5.768970145
-2.289422989	0.090315149	7.205261996
-0.575625747	-0.239137757	-0.360758123
5.821804958	-1.975001823	0.854804231
2.60619021	1.285676654	-0.287987217
2.908054672	-0.57709064	4.771642018
-1.80988503	-2.011498402	-2.481998974
-0.128212824	0.461021403	-0.713640218
-1.827565761	0.372365471	-1.057970739
-2.308947283	-2.596617631	-2.02334562
0.222024833	0.882676791	-2.098042326
-2.55587581	-2.518178424	-1.595871286
-0.438174486	-0.301219434	0.859966359
-2.500967449	1.773796988	-1.183703536

1.675690134	1.596744745	5.444996808
-2.188685125	0.544402936	0.716359157
2.506545471	-1.234419785	-0.425994157
-0.644470535	-0.469216597	0.028402407
-0.480616178	-0.036142361	-0.5845702
-1.404854102	11.21122952	8.458973881
3.065997292	0.964418181	1.706614468
-0.280555309	0.490122087	-1.657822852
-1.430914986	-0.523664457	2.91505598
0.792899182	-1.569057188	-2.550253445
-1.307623095	-2.65786383	-1.025571535
-2.140355995	-0.15315506	-0.557193246
0.97546874	-0.879363049	-2.650994314
4.436753562	2.661248215	-0.809571871
-2.039918244	-1.446933153	-2.315377847
-0.704441031	0.721434533	0.873841321
-1.4304329	-0.768290373	-1.532974117
0.017407971	1.37151414	0.98295273
3.190028717	2.174038233	0.456001802
0.801763283	0.201953631	0.474717555
-1.768465163	-1.897691981	-1.265634805
2.400929091	1.970200461	-2.078486512
0.611818719	0.038367843	0.692519179
-1.479834282	-0.922197731	-1.2908218
0.444471715	1.290119869	1.73745876
-2.429843962	0.32986605	-0.395830968
5.088393617	0.538689373	-2.268884636
-0.37136122	-2.026664306	-2.188584929
-2.030054391	-0.142194899	-0.038810566
5.321533541	-0.693323804	-0.697120094
-0.155847432	0.71876273	0.086368499
-2.4417862	-2.813995988	-2.578075046
-1.890483276	1.45176644	0.816996752
0.336195202	-2.416783654	-1.264837891
-0.738129665	-2.42039698	-0.602301388
-0.030117206	-0.597833783	-2.554005762
2.744559622	-2.34995332	1.264569799
0.420272387	-1.726753047	-0.190681199
-1.874972493	-2.315127972	-0.427282393
-1.079471279	-1.10057749	-0.030450066
0.223149248	-0.922463373	0.079646528
-0.253161891	-1.906324118	-1.721017024
-0.437228516	-0.055742793	-1.849085662
-0.903993051	-1.037856669	-0.840792431
-2.883936145	-1.526201004	-0.024057185
-0.148283109	-1.315751027	-2.503876225

-1.355462057	0.248235274	-1.997485913
-2.198973318	-1.979592084	0.570098939
-1.639448615	-0.48251265	-0.314470286
-1.640707112	-1.592485486	-1.021182512
-0.782050563	0.322411604	-1.450018154
-2.461295454	1.701288396	-1.042397438
3.820685741	-1.936800929	-1.168564567
-2.354529772	2.635263304	1.988470162
-1.456363422	-1.594707996	-2.147677675
2.389585365	3.683017026	1.491421111
-1.027333788	-1.118409946	0.737843048
-0.636364895	1.516833377	1.850100182
-0.909562396	-0.89481125	-1.256718242
-0.707021338	2.834530789	-0.533912059
0.270866423	-0.894633228	-1.822469972
-0.683854852	-0.448582701	-0.563265482
-0.757417913	-2.076007917	-0.75096852
-1.392143961	-2.349608593	-1.872190591
-0.752239851	0.384023856	-1.657564761
-2.753817754	2.800562071	-2.730878593
0.106836705	-0.247365586	-1.793405087
-1.687596824	-2.118346703	-2.032554307
-0.153800926	-1.547276236	-0.029089998
-1.538270791	-2.707923561	-1.763563359
-0.97604598	-2.109021713	-1.315721662
-2.16982243	0.873753538	-0.053033609
-1.479650227	-1.960490493	-1.915083436
-0.925044894	1.177268942	0.210701924
-0.02399151	2.379515659	2.295394978
0.588072515	1.706532928	-1.450214924
-2.726793189	-1.313412761	-0.340970634
-1.918327656	0.156758087	-0.147004499
-2.391983897	-2.81488301	1.441196687
-1.78359785	-0.15580222	-0.391094955
-2.169074271	-1.125754712	0.339697969
2.128565048	1.061918992	2.210910989
-2.376873785	-2.45526702	-2.172767954
-0.988975117	-2.662076137	-2.427331057
-1.902578156	0.915938731	-0.707976166
0.76326294	-0.930815344	-1.879348453
-1.401845654	-0.459313777	0.113482738
-2.469785255	-0.288328471	-0.106199357
-2.784063274	-1.547677861	2.643724031
0.025692787	0.8243923	-2.168846023
-2.328362513	-1.303849921	-1.392460436
-0.829269617	-1.953193927	-0.430022725

1.547698734	-2.870011411	-1.974363885
-0.979761673	-1.555041487	-1.139746008
3.490117924	-2.605906905	-0.708538559
-1.19355424	-0.728907876	-2.219405784
0.547430967	0.538451497	-0.161853439
-0.810276879	-0.894726684	-2.773032153
0.753867185	1.406459054	-1.878461016
-1.86566891	-2.680369923	-1.429591566
1.016879778	-1.885442652	-2.333354349
-2.322702232	-1.374579394	-2.162828233
4.533181816	-0.31140867	-0.489317488
-1.205081223	3.085238009	-2.325023399
0.371206258	1.67756355	-0.909357916
-2.283476917	-0.624707461	-0.094568803
-0.458741717	-2.47973008	-0.094174914
2.093318504	-0.437882464	-1.244155485
-0.257566228	-1.706266456	-2.733616881
2.852529911	-0.825180731	-2.03138776
-2.484580215	-2.535799026	3.290068409
-2.334417174	0.966385993	1.06426617
-1.491846866	-1.288792454	-1.17716985
3.576221162	1.398041116	-1.841443396
-1.154874162	0.447303252	-0.362265108
-1.337335393	-0.149533738	-1.812969459
1.647484919	1.669842828	0.469912562
0.590479783	0.441048915	-0.715949009
-2.054498717	-2.647233286	-0.737518225
-0.290691109	0.079473923	0.441546559
-2.468353044	8.387171092	8.294811718
2.397176786	-2.657839766	1.148023642
-2.597679548	0.59735709	2.075079724
4.347768645	7.301000637	-2.307494346
0.989516893	-0.511376711	-1.423722271
-1.784858351	-0.748626275	-2.065434146
-1.041404569	-1.169897556	-1.279753683
-2.45480887	-2.441059678	-0.297862825
1.008117978	1.022397583	0.222296293
1.345917955	-1.347354421	1.392436887
-0.606828249	-0.696076448	-2.671061915
0.802794359	0.233384258	-2.181623983
-1.747153056	-2.289752014	-2.023467416
-1.392681845	-0.320170422	0.349891408
-0.899807617	-1.988177616	-0.229109575
1.059101224	-2.091599504	0.674891673
-1.42591619	-0.439104969	-0.264895416
-1.053234997	0.809514673	-2.048861523

-1.696379188	-0.196971866	-0.052774642
-1.52921623	-0.910829387	-1.021926902
2.247908108	0.082447855	-2.643796679
-2.836041896	-1.65722061	0.955299635
0.011031168	1.209080963	0.561160969
0.049574809	-1.966926471	-1.555321761
1.788361904	-1.199883097	-0.543381993
0.891148913	-1.493384155	-1.106498817
-0.448294588	-2.552982225	-1.200693695
1.034735459	0.404664512	0.130581987
-2.044902996	-2.424297283	-1.295803186
1.051335235	3.114124513	-3.060593509
-1.347421355	-1.063334996	-1.817815824
-1.456916413	1.544214003	-2.597159407
-2.062753143	-0.107483044	-0.428549704
-1.052347791	-0.366520862	-2.441888687
1.391951555	2.33716858	3.854770802
-1.724197968	-0.116819784	-0.231810095
-1.435764987	-1.796472593	-1.592837742
-0.535585716	-1.119568159	-1.843264094
0.396848903	-1.298299746	-0.270909066
-2.077402001	-2.106747949	-0.742743792
5.873547918	-1.706890362	5.334681012
-0.269149256	0.260878992	-2.064862879
-0.635123249	-0.864179088	-0.673455393
-2.952243591	2.513871349	4.86493414
-2.182705631	-1.692508682	-1.851813894
-1.092910471	-1.334431031	-0.814945693
-0.2428321	0.893019859	-0.699651745
3.76318887	-2.871978839	-0.595574334
0.86018194	0.178519145	-1.045703248
4.785845568	5.090727383	-2.49247796
-0.212927292	-0.168117694	-0.106670286
1.788873763	1.013402588	1.664098086
-2.059334317	-0.798166352	0.847127246
-2.365561035	-1.32489874	-3.006015381
0.616889649	-0.509856558	-1.03758432
0.234402344	-2.836935904	-0.686781929
-1.873302809	-0.208676909	-1.70803744
-1.677100978	-1.355885225	-2.237991127
-2.555249205	1.084989685	-1.380653716
3.793073393	2.570400826	-1.445881807
1.470853287	-0.275600251	-1.822675171
-1.038983428	-1.277845925	-1.890240352
0.849703562	-2.778113051	8.130651219
-3.002553084	1.168418008	-0.604611153

-2.556210129	0.605222533	0.41639723
1.276685153	-2.192967827	3.664085311
0.088371747	1.100874307	-2.064799921
-0.267021988	-1.000690771	-1.63359727
-0.224212064	-1.043754175	-1.679604051
1.241163492	-2.42256492	-1.36234995
1.126860633	-0.482708135	-0.754572113
0.45783588	4.034340966	4.395051085
-0.021997246	0.506291958	0.207205083
-0.670384772	-1.503649651	-1.104802533
-2.216222197	-0.35183188	-1.435656178
0.643769923	-2.919625289	-3.200981642
-1.093417883	-1.39080288	-2.412191498
-0.875015855	0.735704989	-2.142469803
2.934568644	-1.458148025	-2.668777383
-0.292256844	0.701492228	-1.118165927
0.117218802	-0.350921828	-1.669677568
-1.190332603	-1.065414748	-2.723930331
0.043041068	-1.386489666	-2.387581851
-0.004094346	-1.272798525	-2.850636396
-1.302108956	-2.255541798	-0.614035458
-0.011042867	-0.419467979	-1.699004626
0.049075541	-0.737446787	-0.498506703