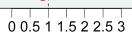
A

exposure	nsnp	method	pval	OR(95% CI)
Diastolic blood pressure	78	Inverse variance weighted (fixed effects)	0.186	1.084 (0.962 to 1.222)
HDL cholesterol	157	Inverse variance weighted (fixed effects)	0.293	1.020 (0.983 to 1.057)
LDL cholesterol	276	Inverse variance weighted (fixed effects)	**<0.001**	1.109 (1.075 to 1.143)
Diastolic blood pressure	4	Inverse variance weighted (fixed effects)	0.451	1.008 (0.988 to 1.028)
Docosahexaenoic acid levels	146	Inverse variance weighted (fixed effects)	0.212	1.025 (0.986 to 1.066)
Apolipoprotein A	1059	Inverse variance weighted (fixed effects)	**<0.001**	1.058 (1.023 to 1.094)
Apolipoprotein B	723	Inverse variance weighted (fixed effects)	**<0.001**	1.100 (1.060 to 1.141)
HDL cholesterol	1200	Inverse variance weighted (fixed effects)	**0.009**	1.042 (1.010 to 1.075)
Triglycerides	1033	Inverse variance weighted (fixed effects)	0.639	1.008 (0.975 to 1.043)
Fasting glucose	117	Inverse variance weighted (fixed effects)	0.154	1.079 (0.972 to 1.197)
Systolic blood pressure	1680	Inverse variance weighted (fixed effects)	0.067	1.002 (1.000 to 1.005)
Systolic blood pressure	67	Inverse variance weighted (fixed effects)	0.417	0.997 (0.991 to 1.004)
LDL cholesterol	159	Inverse variance weighted (fixed effects)	**<0.001**	1.084 (1.045 to 1.124)
Apolipoprotein B	54	Inverse variance weighted (fixed effects)	**<0.001**	1.077 (1.039 to 1.117)
Apolipoprotein A	262	Inverse variance weighted (fixed effects)	0.380	0.982 (0.944 to 1.022)
Apolipoprotein B	182	Inverse variance weighted (fixed effects)	**<0.001**	1.096 (1.056 to 1.137)
HDL cholesterol	339	Inverse variance weighted (fixed effects)	0.349	1.017 (0.981 to 1.054)
Systolic blood pressure	794	Inverse variance weighted (fixed effects)	0.157	1.044 (0.984 to 1.108)
Diastolic blood pressure	889	Inverse variance weighted (fixed effects)	**<0.001**	0.850 (0.803 to 0.899)



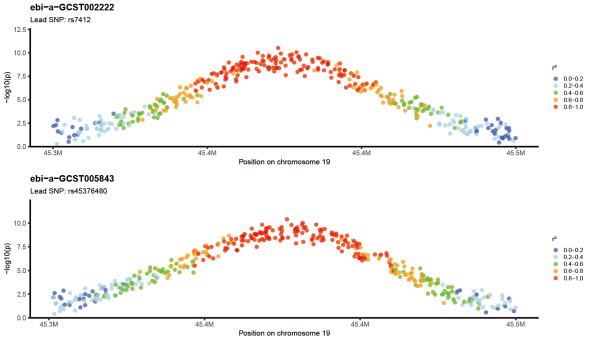
B

exposure	nsnp	method	pval_formatted	OR(95% CI)
o Actinomycetales.f Micrococcaceae	26	Inverse variance weighted	**<0.001**	1.062 (1.025 to 1.101)
o Pasteurellales.f Pasteurellaceae	8	Inverse variance weighted	**<0.001**	1.135 (1.053 to 1.223)
f Micrococcaceae.g Rothia	26	Inverse variance weighted	**<0.001**	1.063 (1.025 to 1.102)
c Gammaproteobacteria.o Pasteurellales	8	Inverse variance weighted	**<0.001**	1.135 (1.053 to 1.223)
g Alistipes.s Alistipes onderdonkii	30	Inverse variance weighted	**<0.001**	0.883 (0.828 to 0.942)
g Alistipes.s Alistipes putredinis	29	Inverse variance weighted	**<0.001**	0.873 (0.812 to 0.938)
g Bacteroides.s Bacteroides clarus	34	Inverse variance weighted	**<0.001**	1.084 (1.053 to 1.116)
g Bacteroides.s Bacteroides coprocola	17	Inverse variance weighted	**<0.001**	0.922 (0.882 to 0.963)
g Bacteroides.s Bacteroides vulgatus	34	Inverse variance weighted	**<0.001**	1.127 (1.060 to 1.199)
g Coprococcus.s Coprococcus catus	24	Inverse variance weighted	**<0.001**	0.878 (0.827 to 0.933)

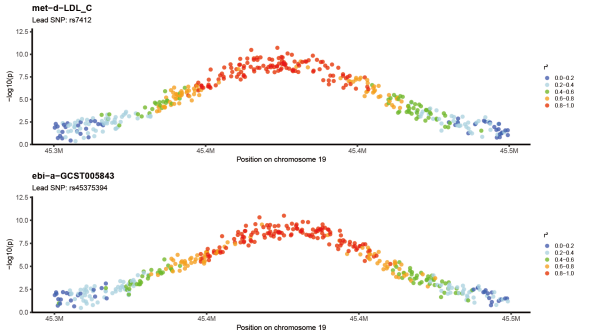
C

exposure	nsnp	method	pval_formatted	OR(95% CI)
CD62L monocyte %monocyte	101	Inverse variance weighted	**<0.001**	0.967 (0.950 to 0.984)
CD11c+ CD62L monocyte AC	88	Inverse variance weighted	**<0.001**	1.077 (1.049 to 1.106)
CD62L HLA DR++ monocyte %monocyte	42	Inverse variance weighted	**<0.001**	1.072 (1.034 to 1.111)
CD62L plasmacytoid DC AC	81	Inverse variance weighted	**<0.001**	1.050 (1.027 to 1.075)
CD33 HLA DR AC	81	Inverse variance weighted	**<0.001**	0.963 (0.946 to 0.981)
EM DN (CD4 CD8) AC	79	Inverse variance weighted	**<0.001**	0.933 (0.907 to 0.959)
DN (CD4 CD8) NKT %lymphocyte	129	Inverse variance weighted	**<0.001**	1.038 (1.017 to 1.058)
CD127 CD8br %CD8br	43	Inverse variance weighted	**<0.001**	0.923 (0.888 to 0.960)
CD45RA+ CD28 CD8br AC	901	Inverse variance weighted	**<0.001**	1.000 (1.000 to 1.000)
CD20 on IgD+ CD38	94	Inverse variance weighted	**<0.001**	1.046 (1.024 to 1.069)
CD20 on IgD CD27	74	Inverse variance weighted	**<0.001**	1.046 (1.021 to 1.071)
CD24 on IgD+ CD38br	95	Inverse variance weighted	**<0.001**	1.053 (1.031 to 1.075)
CD27 on IgD+ CD24+	119	Inverse variance weighted	**<0.001**	1.046 (1.027 to 1.064)
IgD on IgD+ CD38dim	80	Inverse variance weighted	**<0.001**	0.957 (0.936 to 0.979)
CD3 on EM CD8br	72	Inverse variance weighted	**<0.001**	0.954 (0.932 to 0.977)
CD3 on CM CD4+	101	Inverse variance weighted	**<0.001**	0.967 (0.952 to 0.983)
CD3 on Naive CD4+	99	Inverse variance weighted	**<0.001**	0.972 (0.958 to 0.986)
CD3 on CD39+ activated Treg	100	Inverse variance weighted	**<0.001**	0.968 (0.952 to 0.983)
CD3 on CD39+ secreting Treg	116	Inverse variance weighted	**<0.001**	0.970 (0.955 to 0.986)
CD3 on activated & secreting Treg	83	Inverse variance weighted	**<0.001**	0.968 (0.952 to 0.984)
CD3 on CD39+ CD4+	97	Inverse variance weighted	**<0.001**	0.972 (0.957 to 0.988)
CD3 on CD39+ CD8br	52	Inverse variance weighted	**<0.001**	0.959 (0.939 to 0.981)
CD34 on HSC	58	Inverse variance weighted	**<0.001**	1.050 (1.027 to 1.073)
CD25 on CD39+ CD4 Treg	63	Inverse variance weighted	**<0.001**	1.054 (1.027 to 1.081)
CD25 on CD39+ secreting Treg	43	Inverse variance weighted	**<0.001**	0.926 (0.896 to 0.957)
CD8 on NKT	71	Inverse variance weighted	**<0.001**	1.047 (1.021 to 1.073)
CD4 on CD39+ resting Treg	50	Inverse variance weighted	**<0.001**	0.949 (0.923 to 0.976)
SSC A on HLA DR+ CD4+	74	Inverse variance weighted	**<0.001**	1.045 (1.019 to 1.072)
HLA DR on myeloid DC	55	Inverse variance weighted	**<0.001**	0.967 (0.951 to 0.983)
HLA DR on plasmacytoid DC	76	Inverse variance weighted	**<0.001**	0.971 (0.956 to 0.986)
CD8 on CD28+ CD45RA CD8br	65	Inverse variance weighted	**<0.001**	0.961 (0.941 to 0.982)
CD8 on CD28+ CD45RA+ CD8br	74	Inverse variance weighted	**<0.001**	1.041 (1.019 to 1.064)

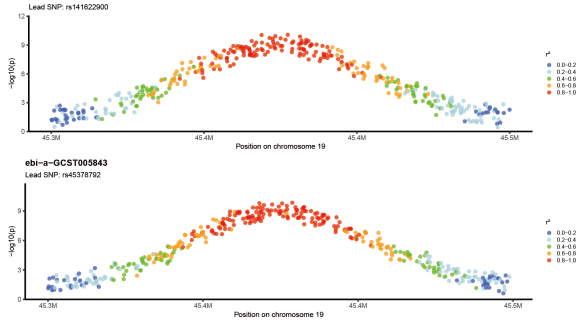
Colocalization Analysis: TOMM40 (PP4 = 0.892)



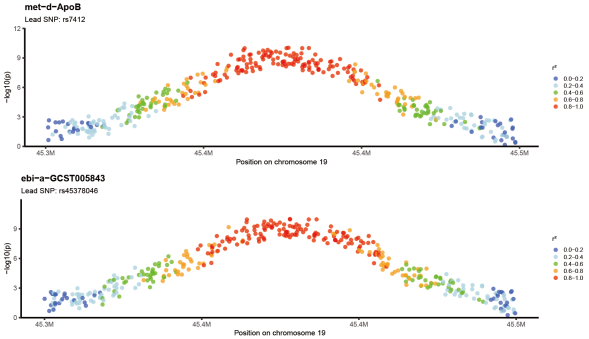
Colocalization Analysis: APOC1 (PP4 = 0.867)



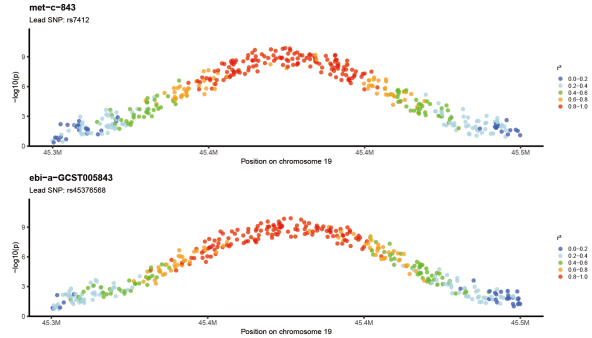
Colocalization Analysis: PVRL2 (PP4 = 0.734)



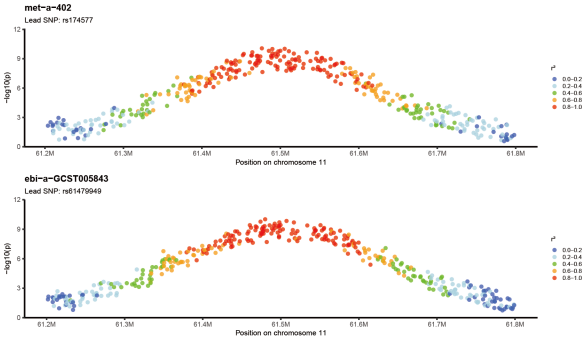
Colocalization Analysis: APOC4 (PP4 = 0.945)



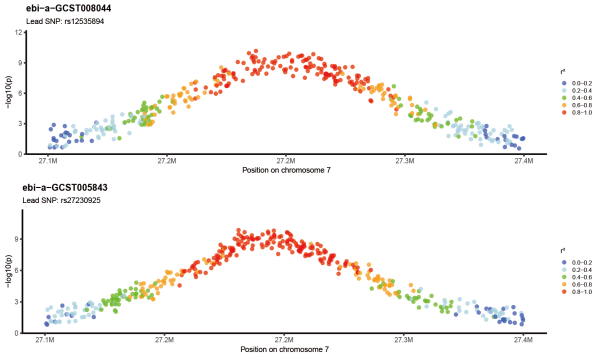
Colocalization Analysis: CLPTM1 (PP4 = 0.823)



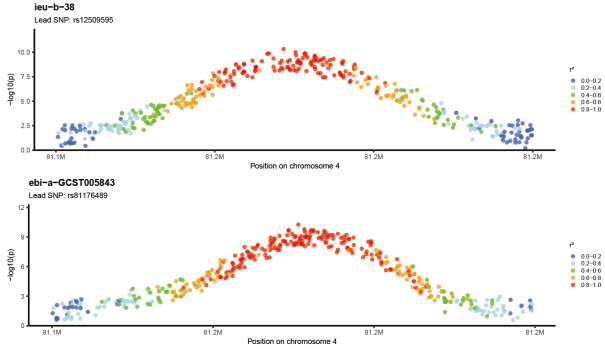
Colocalization Analysis: PVALB (PP4 = 0.789)



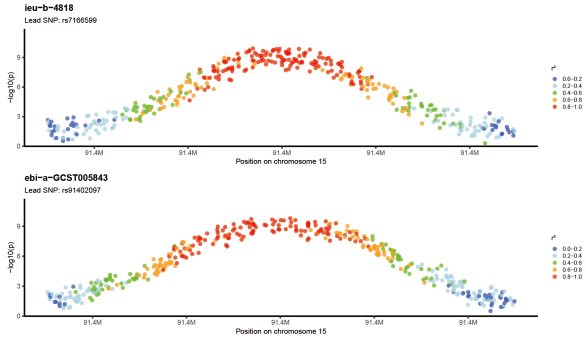
Colocalization Analysis: HOXA3 (PP4 = 0.712)



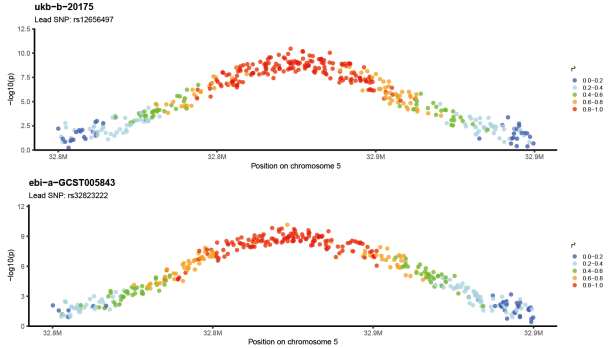
Colocalization Analysis: FGF5 (PP4 = 0.856)



Colocalization Analysis: BLM (PP4 = 0.798)



Colocalization Analysis: NPR3 (PP4 = 0.723)



A

exposure	nsnp	method	pval_formatted	OR(95% CI)
DOCK6	377	MR Egger	**<0.001**	1.214 (1.118 to 1.319)
DOCK6	377	Weighted median	**<0.001**	0.874 (0.851 to 0.898)
DOCK6	377	Inverse variance weighted	**<0.001**	0.874 (0.811 to 0.943)
DOCK6	377	Simple mode	**<0.001**	0.870 (0.853 to 0.887)
DOCK6	377	Weighted mode	**<0.001**	0.874 (0.812 to 0.941)

0 0.5 1 1.5 2 2.5 3

B

exposure	nsnp	method	pval_formatted	OR(95% CI)
IGFBP5	790	MR Egger	**<0.001**	1.208 (1.122 to 1.300)
IGFBP5	790	Weighted median	**<0.001**	1.347 (1.319 to 1.375)
IGFBP5	790	Inverse variance weighted	**<0.001**	1.348 (1.328 to 1.369)
IGFBP5	790	Simple mode	**<0.001**	1.332 (1.229 to 1.443)
IGFBP5	790	Weighted mode	**<0.001**	1.330 (1.234 to 1.434)

0 0.5 1 1.5 2 2.5 3

C

exposure	nsnp	method	pval_formatted	OR(95% CI)
PDE3A	21	MR Egger	0.433	0.950 (0.838 to 1.077)
PDE3A	21	Weighted median	0.132	1.058 (0.983 to 1.138)
PDE3A	21	Inverse variance weighted	**<0.001**	1.099 (1.042 to 1.159)
PDE3A	21	Simple mode	**0.007**	1.192 (1.064 to 1.337)
PDE3A	21	Weighted mode	0.383	1.035 (0.960 to 1.115)

0 0.5 1 1.5 2 2.5 3

Supplementary Table 1

SM1677021_Treat	GSE68607_GSM1677022_Treat	GSE68607_GSM1677023_Treat	GSE68607_GSM1677024_Treat	GSE68607_GSM1677025_Treat	GSE68607_GSM1677026_Treat	GSE68607_GSM1677027_Treat
2994405828	3.4354986588613	3.55034549350283	3.44124275585503	2.75339439285764	3.30684435165819	3.16771460851394
7089315478	2.62043030247764	2.65176065594118	2.19780587994049	2.21421630724466	2.59423455978727	2.68714650458436
5740217787	2.8010391335787	3.60994539526261	2.91816189043178	2.90239605145436	3.46855224974214	2.84125364765288
8271823685	2.42694767262381	1.42784648658616	1.9365786866134	1.24643481432289	2.02694766611366	2.46855213131114
3898233527	2.4765940770923	1.06309324634811	2.60880801412702	2.45476611864081	1.81320904086473	2.57506982684439
3051592933	0.36254579436567	1.85769356601155	0.418378570065395	1.22426667120555	2.12769572374883	1.61933358054644
6920522996	2.73504661501505	2.45607781956953	2.2692437333509	1.41994350908344	2.42715582029763	3.00062896089026
3273098672	2.25393930521604	1.7754201441017	2.90786359202031	2.63848777111781	1.48952906021173	1.91185798790294
9350725528	1.2304844131197	0.961125159076586	1.79233843060739	1.39749479063863	1.62559837890422	1.81130850135718
7286162973	1.48739560310555	1.66828497206608	1.56607462936942	1.07496053987843	1.81041318337321	1.14403813773637
7133616567	3.72338968308902	3.25808853604124	2.09783922631886	3.07924526911396	2.95633572038007	3.78446185044658
3863372462	2.04498159464914	1.43397610003344	2.4730542640794	2.24300576692949	2.50635681955312	2.40440700071462
5417811398	2.7884433291219	1.46132612353366	3.17651940852096	2.6934655165413	2.82141196433109	3.17271463226765
5641707812	1.64249192821218	1.38554910615035	1.51963361860866	1.47200989284522	1.28274774496066	1.36653804049606
5392971145	4.00420915291942	4.06206952983879	4.08386450389928	3.90698877572841	4.25758151765687	3.98024490006534
6550685533	2.58676818091355	2.66716694167263	2.58691249773568	2.62317354414259	2.74861817636189	2.5525234364913
9976373483	2.20086468558087	2.1708363025675	1.9592008015454	1.8023143115298	0.917363278697114	1.89426892666712
3873761277	2.74133924721113	2.57230440033294	2.85389334548861	2.59887723605828	2.86429077789541	2.92837400069491
3424488677	2.30339328116446	3.70354578659618	2.1021118000335	4.14366599163213	1.89940933889521	4.04286509026959
3051561917	2.29693061658568	1.86802670385818	2.75222252683022	2.40103640085365	2.16204928815724	2.74652294615999
0716367111	2.22835018904193	1.73613240798231	1.39523517844818	2.5452362318822	2.57640057012671	2.91963819650716
4616630214	2.38757675278081	-0.0369408754102696	2.8956240450588	2.70968889537022	3.14083607498939	2.73989153100294
9165777945	1.9061545747369	2.4995332253621	1.90172958881032	1.42182700337709	1.40969737414461	2.94168387533433
14745592826	0.77766959679772	1.10984052724117	1.58619909208116	1.30668106551952	0.41924656510656	0.924594002968349
5856859663	1.15023090360324	1.24074818491556	2.03759383751513	1.06193817171138	2.6382181813381	2.59716217162679

SM1677021_Treat	GSE68607_GSM1677022_Treat	GSE68607_GSM1677023_Treat	GSE68607_GSM1677024_Treat	GSE68607_GSM1677025_Treat	GSE68607_GSM1677026_Treat	GSE68607_GSM1677027_Treat
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4915679986	3.8303025321229	3.9043023952348	3.97750116280872	4.05856417934548	4.024877292208	4.30265538123391
41961311504	1.14561870368577	1.03588615218624	1.58634874513302	1.2685746675208	2.31285806049123	1.93394084599487
5113977928	1.56514655740242	1.38047260685802	1.63939330539484	1.051877766158	0.83089923175753	1.95742997912958
1144359553	2.09333891007023	1.25450066093395	1.47638158354152	1.87853827937186	2.42170238698437	2.36934002211752
5135496206	1.88114696419425	1.61387850171759	2.19696645560766	1.31724029576742	2.3225542675031	1.6281677663347
5615632716	3.10141133476768	2.87186383458142	2.8439401317488	2.39841022208199	1.8722813733354	1.86874405325419
4427820786	3.43549899368548	2.84628835853745	2.3282174326935	2.78138129408253	2.73575429176786	2.34426938294144
9779993344	1.36010002701041	1.42005191559039	1.09134724854585	1.31310644560894	1.18996829999463	1.63518584724774
3300491119	2.53680271525043	2.68799598533296	2.92155404019817	2.7378459096258	3.23824069251184	3.36438827264266
12968323466	0.9820693332099	1.13131716497273	0.956370957786359	-0.0451840938581392	1.27442220318332	1.50816558522787
3873157715	2.32005379766628	3.61902867463091	3.3833950013178	3.39082295515497	3.72604906961665	3.09403385442337
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807963256696	0.748978400152212	2.1279150513897	0.88180195506392	0.893425750428651	0.20508598735825	0.895240038338574
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2139155899	2.68353904524009	2.03605959566005	2.32880535471754	2.70131601171965	1.71774825173638	2.18915576532845
9011730572	2.92578711439283	2.73561715162797	3.1438913745224	3.35123804417787	3.4845536715851	3.13112287339543
3848947537	1.3759198508664	1.72812356702352	1.38539882356477	1.51428993666295	1.09321625449528	1.46026928137494
34519122804	1.89155401056635	1.36079579193029	2.37356531649272	2.19149554746249	2.17173366670672	1.78911758087583
3137564311	0.518518140547551	0.8521263706526	0.165829976110144	1.10838048513331	0.824951060730212	1.1630966877901
2667552022	2.71428855288843	2.00487124390526	3.65825064120127	2.43043031513845	3.16955115352059	2.78803703906589
1961669387	2.8979905936907	2.77700486538905	2.679909684929	2.63806119394801	2.3733776107479	2.4352421481038
52365613956	1.26335826264379	1.33908958820423	0.910492031617129	1.06523871660339	0.713235783102443	1.76535260660786
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5345973672	2.68750362592683	2.67908290655931	2.73890291075294	2.09761644266049	2.33189185299606	1.61013111553307
2376036032	2.62857490562761	1.86655299816242	2.2996257905347	3.04781241230905	2.98250396369187	3.56498904484376
0507547731	2.64223765700824	2.67594731487125	2.46386862541859	2.51100672426635	2.30810247979812	2.53372927559187

SM1677021_Treat	GSE68607_GSM1677022_Treat	GSE68607_GSM1677023_Treat	GSE68607_GSM1677024_Treat	GSE68607_GSM1677025_Treat	GSE68607_GSM1677026_Treat	GSE68607_GSM1677027_Treat
5947432393	2.86308056049714	3.95403199985905	3.13544621644495	3.1930084044727	3.39890668920219	4.23896583321336
7967280206	2.61525495410617	2.47587967256601	2.1809069922434	2.71807267309903	2.80596500937382	2.33211624168407
7594439959	1.35034640494409	1.78460067679263	2.60780466367879	1.6005431927381	1.76663778632672	1.58540505584192
5458828736	3.10040993917184	3.23482718229838	3.05492506187958	2.9581591446532	3.52893363124804	3.15065227166956
4266330409	3.28376366905645	2.89039155076662	3.32488982245811	3.14264201621984	3.28272638506948	3.26988658886341
2897473777	2.15009951613606	2.1881614663107	1.86232412650841	2.47753245681369	1.89270765392526	2.03880373653421
0214605233	2.30381454490772	3.87283101640037	3.4355692452142	2.60872826672434	4.06145274072667	3.98111532224599
90724139857	1.3185061424329	1.10087128827051	1.11843977427631	0.986849646438208	0.720722372259832	0.807666931489665
5522572795	3.12585767071994	2.50541212785984	2.82424840940067	2.95769727968299	3.09952021795826	2.49062672879014
5430492594	2.68542124501825	2.76399862701392	2.53072626217371	2.36035609519366	2.48217767821129	2.26143886005039
9665073103	3.31263568951857	3.05046468903502	1.95784265219367	2.49300896121189	1.78656241054668	2.97162231825398
4744450418	1.80047594389078	1.68346272812473	1.99273721318358	2.58958596074255	1.50289173102781	1.32787258462022
7668311517	2.27962534718764	2.10536538357474	2.77242403822899	1.87810283573503	2.34800876379416	1.64059103035787
0836642314	2.05917482132628	2.08021618352872	2.17112140706129	2.09726290050377	2.01601402684684	1.86723484781102
2030777379	1.84634734366215	1.67481133911011	1.90051230532563	1.98369046541992	1.98072647802396	2.57652883793324
96874237864	2.05704990350989	1.94528125001715	1.90424038482616	1.62711016178236	1.84980100144361	1.13764809049255
3971222009	0.523167349769685	0.323364509272109	1.90434837569066	2.64657949396462	2.99577246240944	2.01288571598836
3850228865	2.06930347821325	2.96618894381858	1.95969548310373	1.84845150156934	2.36374577454001	2.77224564620189
7492613547	4.6297191981195	4.66185027560808	4.28638859463337	4.61738548227902	4.48012834605814	4.59560721196091
4926976936	3.77494982979955	3.48181851931316	3.68770588701523	3.51162157396801	3.64746495967246	3.15692371486301
7481620573	1.22834172963008	1.84830837392635	2.09227500776747	1.8797150742919	2.45110932119778	1.99219844674599
5561933196	1.56447862981069	2.20006289686687	1.7430997446896	1.51158371772484	2.05573340498933	2.1932634825393
7433055821	2.33220606786565	2.29949737627186	3.07179973061258	2.96794104659362	2.65027764217989	2.44618931240945
2710130045	1.84739452545955	2.7492511720184	2.01593181481832	1.63569950095669	1.64656240120126	3.26590407252205
0511344836	2.31388439880118	3.13709820343876	0.637008676655693	2.73944179801844	2.52578242477816	3.19502641906749
6444328255	2.76433832181902	2.89201628185809	3.08919411529609	2.9484394152154	3.54014895300228	3.10931137761224
67823785275	1.98766715156211	1.89819305844554	2.35640161919884	0.450713909708905	0.900560400806141	2.45601714226105
9940351909	2.09230170945994	1.77345088793516	1.41264498875773	1.55389088967466	1.80862378626181	1.38359383389009

SM1677021_Treat	GSE68607_GSM1677022_Treat	GSE68607_GSM1677023_Treat	GSE68607_GSM1677024_Treat	GSE68607_GSM1677025_Treat	GSE68607_GSM1677026_Treat	GSE68607_GSM1677027_Treat
7898849707	1.26012237139202	2.36852617306673	1.32823642698587	1.81686802758743	1.83884007464343	2.13143087337282
632214216	2.4898498903892	1.49230115810577	1.92419445082532	2.31463490910475	1.92024009131822	2.14275041788463
3644117035	2.59045165716791	2.71175619857383	2.79046107316158	2.84642723945647	2.63616167761206	2.76695581873667
1459687894	1.85867605338999	1.83820973298138	1.57823898337449	1.61536637229609	1.48111973309735	2.2847388107003
6266218145	2.47793379351248	2.31644057079692	2.81995722812814	1.42755076920995	1.8816894245244	1.56030238886739
3925253687	0.884727708962594	0.71396492999424	0.614434798483469	0.709040473835304	1.32088640617563	0.935293163060514
0114599984	1.44492324447298	0.947201328119534	1.89170112050838	0.918045600809045	1.85623555146851	2.5010325049435
3153305284	3.12972215032086	3.19943830582677	2.9838358978643	2.89852034625987	2.8529949569588	3.07687652942635
1427060353	2.28250129301407	2.9192980180951	1.87300488075953	2.6166804508963	2.40648694119886	1.53704694046403
7976425627	2.09493285450906	2.32643692189151	2.54583216935711	2.95668954494833	2.4516996642341	2.63655715603515
5574969296	3.6556331294658	3.77910615246501	3.43130884506128	3.49345066507988	3.51292116085724	3.70470153754805
7671905522	1.61489081833736	2.72782466235644	2.79177824971717	2.42148228816203	3.01678322441647	2.67881129848128
9808750801	2.34918624459451	2.25484218710942	1.92982888926371	2.45339575445078	2.33942807770808	2.9531489971571
3646312505	1.72979853844196	1.99300566122278	1.60937822554922	1.39429741490533	1.33405626402149	1.40254723519385
2956969112	2.0672216276703	3.22185327831477	2.28591132451837	2.67715041748184	3.26205770299861	3.58108745613631
5655857569	2.81059907024717	2.43815756268709	2.43732698089521	1.68304575072783	2.31732636182879	2.42592649481467
4791149088	1.55437159616781	1.83577853849186	2.14831398262259	2.96004314614995	1.96964462448347	3.37953713891901
2182013883	2.91712651056273	2.1270074144723	2.3540999787945	2.20416151312884	2.10134872818366	2.36208130078731
540725074	1.8178075699507	1.36536446296338	1.57179331709688	1.56711995042562	1.19502031060297	1.5231446042733
32984595218	0.982370693247705	0.285281914941076	1.04433197105759	0.983219147239932	0.998242681236777	0.931389019324947
1384938221	4.2579272363904	4.05409364627711	4.09583398981172	4.03503721732844	3.75336210927522	3.86607570412407
2064466365	4.14317786467485	3.82738792278619	3.44675353881213	3.66113866453489	4.01166640607588	4.35627548899192
8618074354	4.84252086128683	4.68325706227728	4.18545665444149	4.65260424026435	4.54459255204415	4.77114389122742
2743446783	1.99248168609612	2.03347546022236	2.57007286236736	1.66900016484633	2.73796306952925	1.91616036004891
2299113798	1.49087496501289	1.56262092772701	1.68173715679054	1.0445720529105	1.66045733477696	1.56347131035568
9390997643	3.96718908576529	4.03321065857482	4.19619264713445	4.55121753214366	4.54875726312385	4.06842905793338
0526215335	3.03338158204677	3.27128636810557	0.91465338797201	1.82982265793087	2.69329155750167	3.25604997757742
01916285583	-0.911269434584364	-1.400143331712	-3.82301916285583	-3.82301916285583	-3.82301916285583	-3.82301916285583

SM1677021_Treat	GSE68607_GSM1677022_Treat	GSE68607_GSM1677023_Treat	GSE68607_GSM1677024_Treat	GSE68607_GSM1677025_Treat	GSE68607_GSM1677026_Treat	GSE68607_GSM1677027_Treat
5702866562	2.1337733226227	2.01288106434524	2.65938522809508	2.94425410907313	2.30651648443335	2.20219016036882
3002649467	1.77157015950378	2.20981898487044	1.44330587321522	1.80902496489616	2.59323094277346	2.67735025892871
974151816	4.24398821757524	4.1423612857899	3.17278291948139	3.72928089971993	3.01689780373684	3.87965875359152
4555551614	4.27668745496332	4.21100072979938	3.44537410805691	4.2027541365567	4.44793187353423	4.3290738570994
0710960642	2.57399589288327	2.33399396069559	2.44406247712143	2.30968776422451	2.46339111538873	2.32764254616839
90556992545	-1.45847587407632	-1.05222838086762	0.0285873132296707	-0.812034139301529	-0.0288817304463277	-0.0855627857160032
8537670337	0.961914982472528	1.01908233089269	1.7083348801756	2.03593097318463	1.10243937074718	1.58384835644062
9768962153	3.29090931910224	3.38321602861571	3.35883929955899	3.44955196998537	3.51399575380423	3.81407788457066
9286636025	2.88833363616195	3.41912479172135	2.76391682087522	3.22525440719226	2.75551253404338	2.61467707798419
7363382364	3.25795240773025	3.07902425496149	2.97702313865309	3.04877763220056	2.92974774544319	2.72115073397515
4466243781	3.078415057374	2.88418177750986	3.22323099534743	3.12392300625771	3.11672802139167	3.07515154616935
7874101661	1.03834211852096	1.15534330275212	0.889636933339811	0.917803593918214	1.03696103555412	0.970628201301327
7621386305	1.52623410905145	1.70585806125774	2.23899206300614	1.85502830982605	2.10614600231072	1.05286613802096
9004981843	1.61352140412476	1.46533458325899	1.54417962148008	1.48264173019917	1.36461743965076	1.61943294591955
317262008992	-0.106355449399544	0.429313891337948	0.0816270887981141	0.181698068804318	-0.947777256309894	0.552367945597568
6072284592	2.68093172734074	2.91829537453378	2.78806260628796	2.96321525543613	3.23695499152782	3.75645417200203
7754958132	3.51126114641302	3.53662739996698	3.93987388370765	3.5613232250169	3.96287319201091	3.5405272784035
61510698603	0.390227254489361	0.706563839130327	0.58475781824687	0.113860792346893	0.617391271101	0.556341075387462
0191178151	1.73632091107389	0.416162197963658	1.79811357543049	0.593867805236209	1.1764867221233	0.693474252345932
7193728107	4.27738745842837	4.35989185391924	4.33668069567326	4.75275097188092	4.36846883110316	4.50939419624147
7221443239	5.75443736266522	6.13929913034197	5.47902603080796	6.05245331324327	5.95045549180867	6.15915236190471
9459146262	1.12224415335434	0.944721715742039	2.33198280276554	1.2188376231857	2.2757805440387	1.93859564562562
3912927242	1.92199419871394	2.3211237317564	1.15930930663797	2.49196689072771	1.56238304416456	2.20733803284224
3896504749	2.68690824367234	1.39628533387454	0.849361628571334	2.13869856508365	1.82526463510968	1.93284852899337
30816374703	0.0709831913728696	0.995824683307999	0.553695627380062	0.654803071455355	1.2059024575582	0.36749486722816
40566749458	0.674054447434289	0.726805348173764	1.07638214622691	0.767513152582916	1.05806274786454	0.915397322355431
0579651098	1.60560452076765	2.56810354693632	2.47943139118256	1.87839300190597	2.23538196259815	1.48019247625606
7827046973	1.94820982107528	1.71721014374542	2.66759269962774	2.28096047893102	2.17823879532771	2.94024916866029

SM1677021_Treat	GSE68607_GSM1677022_Treat	GSE68607_GSM1677023_Treat	GSE68607_GSM1677024_Treat	GSE68607_GSM1677025_Treat	GSE68607_GSM1677026_Treat	GSE68607_GSM1677027_Treat
2237543637	1.23545845531018	0.88273917904658	3.23140390824014	1.05112071128399	2.7671146315118	1.16698569365462
5465434756	1.51324508321335	1.46489691836321	1.35567973911657	1.65327330797245	1.66136882666864	2.32737983370263
9518629359	3.41470423046992	3.80016768405342	2.83273051239122	2.70407348468552	3.39893767435215	3.56182155002773
1566284006	0.226205643136032	0.348668719179405	0.498695979532718	0.498695979532718	0.16367299625776	0.337785262285058
9867306958	1.8995291866265	1.92318649774992	2.08404587260002	3.07214061873888	2.28545613570644	2.09251501425233
1975973346	4.21461736357999	4.03452446295384	3.92535116353398	3.98289640301321	3.93118101749648	3.78180183064826
7708745547	2.31178448430784	2.03554058260567	2.36494843100569	2.10601853030544	1.87577609727072	2.32678524957912
8666018568	1.50234634892795	2.21393742363172	2.20409055141677	1.26572301466186	1.22457113115626	1.4526937263885
70746490395	0.171658818539512	-0.0277251579856002	1.84990516352181	2.68696230827818	-0.311053850765076	0.795108781380385
2537525437	3.96091491290923	3.96044421746102	4.03803233470697	4.221385429291	4.25203707504585	4.31491601061226
0973867358	3.40077083319645	3.28763901184591	2.81342709291563	2.88285686927675	2.75621992640042	3.16253094153471
9422768173	2.90775881477793	1.45353793061922	1.93086225447804	2.69116798336071	1.70584697334209	2.52506132681096
3929973696	2.67704078733653	2.37841203793587	2.66304388520754	2.87243705909	2.69120732150077	3.06136247343168
5513057693	2.76098471582631	3.83278186571734	2.103823484204	3.75131168426138	3.64946178095489	3.52930676750817
4494080365	2.69599182978693	0.54769345797033	0.368962714481985	0.628983365985771	3.62705694442324	3.03807546816368
4570826217	2.21047806076468	1.06129524754529	1.7192526030636	1.11944887337435	1.44291786180459	1.56625943603546
3198394547	2.80285198875114	3.12321776721443	3.22887132516431	3.3870044726237	3.00472184032588	3.28197797321743
4455612051	2.60921563001929	2.69287419449404	2.60921563001929	2.54341844372972	2.43906702782533	2.54586825695549
2317162049	3.67959186067351	4.29375817312481	3.5105190433946	3.58106934807963	3.96615764865683	3.76038082382447
7220889246	3.95858546318755	3.9543004253475	4.08007182213944	3.73222156243626	3.87976388154803	3.94721705525777
5520127401	3.81129809131089	3.89567358662083	3.60223816710054	3.7405567032122	3.72501537402636	3.73634082527037
7303230707	3.30986472628894	3.49257090773693	3.45601304218108	3.53042089871205	3.27274870520393	3.05373134333916
3246387741	1.64126532659966	1.62508826258399	1.57269303003813	1.08403288930382	1.37359237150754	1.1975690803528
4999799532	3.1025699036082	3.24103049142511	3.86790188824397	3.93811748588384	3.93055640912838	3.87148530938591
9527515475	2.61251586688596	1.58040180200953	2.57586582357992	2.67821769427383	2.71934161152386	2.97984937751885
1033469572	2.54730947039997	2.88609377246815	2.76850837829356	1.52397153830295	2.42045564567459	2.51458019528817
5622927761	1.19010732574351	0.495292996649098	1.76655962015644	2.07982709797175	2.0819671669192	1.78260536907241
1065345768	2.7153252647735	2.85965705373913	2.35144215685663	2.58072197963109	2.61105801286723	2.6545326504919

SM1677021_Treat	GSE68607_GSM1677022_Treat	GSE68607_GSM1677023_Treat	GSE68607_GSM1677024_Treat	GSE68607_GSM1677025_Treat	GSE68607_GSM1677026_Treat	GSE68607_GSM1677027_Treat
2441359379	3.43848795440995	3.58944735852497	3.21420269876981	3.35141207312929	3.28642190851318	3.31907565188325
2814504156	1.80735451417067	1.78933814555437	1.91754613917716	1.384951954854	1.49156746970602	1.63370661656594
6394202944	1.79947753864477	2.3823856417787	1.90473342491759	2.69543242278171	2.29515539557258	3.4905946420021
9215187043	3.62835762066264	3.31939118485256	3.46624653477582	3.68053602622257	3.75458482920105	3.66295998890602
4521577387	1.17262014042745	1.72229704487445	1.1081679757673	1.48451402732171	1.40425249449147	0.987439668417014
6637225881	1.7136214669712	1.67737709091347	2.5426450665855	2.33338344405513	2.62514844438165	2.32293002917762
3558900045	0.432709849260236	1.40920424662342	1.16948823594337	0.677435541445932	1.48556058922387	1.65627355789272
966199969	3.29870496329178	3.41991269945749	3.66227235585056	3.65255071724221	3.47749284507825	3.33796989614727
7061826173	2.88013013265537	3.65712708781439	2.80268269886571	3.17580059740581	2.73632972360176	3.53839174923168
7377340114	1.43322948209702	2.09158691011029	2.3350877617814	2.27581179866276	2.00146053978531	1.03777872013323
0184565585	2.99046845600751	2.91878159871388	2.8521473882618	2.82158282247435	2.73989063678901	2.63997258139104
9959522551	4.02351348116395	3.75419667973513	3.86025612489587	4.00883665231338	3.95148439734515	4.01024768074379
1697891243	1.13108159854428	1.90379310882186	2.33104210155469	1.76820320582594	1.16757169489644	1.91983327606539
0348043943	3.02103297656511	3.45816342969852	2.60615440664291	2.84589792301415	2.65105976255363	3.75887922508344
1203440015	-0.911549876528546	1.66578007416266	0.588817116011029	-0.831941378113671	-0.459752912250379	2.20070699446172
17479475399	0.655255628118131	1.83727001110972	-0.834916765026678	0.64478209188311	1.84230090089322	0.423228906327485
4687397179	2.46392932519651	3.07318146948256	2.958281700718	3.4258771859946	3.51914056491895	3.34006147314479
9219104499	2.1777869823558	2.15679079630308	0.621138771703879	2.18522211655518	1.81621142694958	2.57744069485367
3593796822	0.937389974405191	3.01282716305686	-1.31732587095326	3.39963908037323	1.1401043381067	3.63972359679938
5243153587	2.30452241004739	1.91800226935862	2.46433800966716	2.08160312249693	2.25288794975847	1.9930976535137
0051657125	3.77417812916062	3.8906849052419	4.19184686139778	3.90686273533878	4.2973903930221	4.2796362601196
0245069849	3.04106163603517	2.36421857810481	1.64204045747787	2.97538952720728	2.29598935781857	2.38286231810241
2887466017	1.72523086510345	2.23632302944246	1.40738510761884	2.89125362710799	1.95132229942139	2.55090813905247
20026023918	1.05099485312847	1.80135201588	2.3927484060213	2.02553192977461	2.07212376850828	1.93144397294792
4400000909	1.85147051247827	0.846411705061666	1.27088561756581	1.6825419390223	2.04257848596903	1.04144603624688
8897937599	2.36934411522066	-0.27843106464286	2.52595117691401	0.952577414134983	2.22598901850221	3.05179430183003
3357681392	2.08972717796613	1.77070687095704	1.07546899621029	0.878126472486032	0.784770935096818	1.09247123975721
2976221033	0.408599032846051	1.17205243125411	-2.59693102963321	-2.30172822560978	-3.51499580535158	1.65451069011185

SM1677021_Treat	GSE68607_GSM1677022_Treat	GSE68607_GSM1677023_Treat	GSE68607_GSM1677024_Treat	GSE68607_GSM1677025_Treat	GSE68607_GSM1677026_Treat	GSE68607_GSM1677027_Treat
1258914991	0.752779615157948	0.498178648975846	1.7417920427159	0.367363288432007	1.89653635962179	0.200534056632088
1966043639	3.04967739037294	3.37003643438317	3.13691177237432	3.33945682338575	3.57966750720265	3.65257935567857
6532765447	2.78894181597351	2.79245479806879	2.81790913768781	2.690729681833	2.65550931974769	2.42331589310674
1550878743	1.22616686935207	0.736644371629651	1.34339861289911	1.37006607727511	1.60774550392458	1.78542078130678
3573465393	2.91049184214189	2.44989416233995	3.51546629844914	2.81482768274584	3.21348876744023	2.70048555405105
2651833787	3.10102805176472	3.29857402110852	3.48335079429884	3.68839382141958	3.8588587193485	3.56590630230993
6368055752	1.42129972766817	1.88796559933457	1.0164086754782	0.917107286392844	1.40768151424584	2.00983901645164
5198784551	2.97586267093186	1.73741952274684	2.76990350639941	2.87709516688865	2.65685493220537	3.01913811473287
8024819896	1.61930730388284	1.54813855919408	1.91772722274646	2.09306268029525	2.24700734236375	3.10145882577556
47561389785	1.12296634047311	0.938321136030418	0.350524371672087	-0.0857482725072016	-0.120876280254831	1.07608866287889
33294694959	0.210197693887697	1.07232830599127	1.26729718239481	0.632823975359155	0.176606637179114	1.34178926136079
9918670008	4.44141488295364	4.5928645676127	4.43616496646884	4.33380079476123	4.13486928919272	4.36876467732842
8667562769	1.32437974350674	2.06602106644889	1.2593073980385	2.82040135722349	1.82248293834622	1.9470546272999
0364499889	2.70728228553479	2.78927863999259	2.50929353715734	2.47184970089513	2.51082691501007	2.16520014183832
8389372992	2.38935498638185	1.52347510809544	3.58334409443182	2.89335286499724	3.12524458390991	2.95489456306169
8962481459	2.84031942730188	2.66266608737801	2.73385101721402	2.61000901830682	2.46859927164473	3.01507454503693
7389610099	1.57134949905925	2.27280712031057	0.837139474445569	1.60874342896339	1.58564284151991	1.43545947241874
5246752877	2.60042323571352	2.62452536451953	2.68046557775173	2.64646392176048	2.31160934177681	2.2880344040372
9189660309	1.25708267687983	1.33743067191836	1.42170423997181	1.27801063230595	1.90454950351429	0.93098889049284
9892173535	1.80845077853443	1.88272662283891	2.173524600411	1.96182060674049	2.36658754456788	2.0587045166534
1348313784	0.704975343154809	1.4883384397472	1.94979784610522	1.71879164786234	1.86025708956245	1.66730219717719
07333966331	1.16779914629013	0.26503915443184	0.683491709475658	1.63429583976586	1.13680821167463	1.2079819215859
6169414748	2.90959065280463	2.33783910261228	3.10440201514453	2.3608212584222	3.04642751424288	2.13695019882053
6378183512	3.59977388566925	2.67420858734	3.43955750939681	2.91606906919283	3.03325684432661	3.59238281220583
9456317762	3.53199445399794	3.64903263784838	3.51289939496502	3.44582401973805	3.38377759095039	3.35842194834187
3575268471	3.57115317148509	3.16552973939322	3.19204141546563	3.4051466501183	3.67058284970423	3.34916702245202
5422477457	2.17171916235738	1.34425263545553	1.32862731146758	2.11293651886857	1.91238305618081	1.98358623496647
3428356839	2.31031735934161	2.51060627742677	2.4449282185043	2.3812343753344	2.21985072799541	0.869072992107503

SM1677021_Treat	GSE68607_GSM1677022_Treat	GSE68607_GSM1677023_Treat	GSE68607_GSM1677024_Treat	GSE68607_GSM1677025_Treat	GSE68607_GSM1677026_Treat	GSE68607_GSM1677027_Treat
5109319436	1.81722951369937	1.44949221926801	1.1221279379618	1.17529094364339	0.867849618917965	1.72619261058411
5642430585	2.99930318671293	2.66915956988916	1.89513528747931	2.21978698099682	2.00848086069587	2.78360856926224
6316866589	3.7097456841211	0.970818033542636	1.69267830809692	3.5498024505245	2.91166927837973	3.48252102340799
0480388136	2.84428467002544	2.54680289518653	2.81958588218821	3.0120715875668	3.12781409347088	3.58131268678484
0550491598	0.617589004457689	3.12765045933944	1.74614162324499	0.633615950067527	3.0001145793812	3.24133226080896
6197486262	3.38189873668693	3.1582756672453	3.72271822886084	3.29159732828122	3.31281773694267	3.04117829151245
25546713754	2.41668716295634	2.09282376675334	2.36492273028071	2.15937391129769	3.51857110647449	1.90749527775519
06569452482	3.00078557985642	2.86071711952999	0.43746133291464	3.4479537037653	1.48473982353823	3.13343304966623
0436171303	3.12383383100574	3.5766111439792	3.57306668726924	3.03660129148067	3.53546460798482	3.29049249993372
7028916584	3.19669879046642	3.59259495145131	2.65063172946001	4.15176287959933	3.34469751413483	4.37688460554085
5396004064	2.45002329217061	0.940994681679646	1.96303056289778	2.12713396770882	2.25590589715989	2.0291225799743
8817423969	3.05180325147896	3.10307809618573	2.94356757147143	3.53670096755202	3.53652832306596	3.69971256580739
6751912723	2.77443970916243	3.6718771259669	3.5433695444221	3.75434813147135	3.5937700367412	3.68967441085481
3972160997	2.76547003427965	2.75593718597242	3.39571842663712	2.78677782982422	3.05989679425908	1.89376529042331
8095210865	2.94635814087162	2.880496746736	3.18831271527851	2.86182594243033	2.93567120920474	2.92017489900588
6161079356	1.11017434032197	0.03726308828881	0.116637292336602	0.867304528889539	0.327292076953712	0.928241676226192
9433401703	2.85398748213176	2.63917670959066	2.17463491280915	3.12620439607635	2.58936392461072	3.12846221330042
9156743543	2.47761019620246	3.00199683512696	1.33552493977889	2.18186805408786	1.45732180553052	1.69644611942931
8812562562	2.05133224072189	1.56943135883101	2.0272556289734	2.49965391214062	2.13292425484815	2.93100900193599
9166905897	3.84923351827603	3.87710146192366	3.79681073363455	3.74876544480754	3.54144059853222	3.65355090820302
6872313604	1.51248157509589	0.889392443810306	0.889392443810306	1.63334965115778	0.659466143125254	0.391201000042549
2084645266	2.88243243470418	3.72145028619298	3.18125099437266	3.19697217587723	3.57506785045199	3.87707278949694
20320461527	0.789586721260223	1.06355403671303	1.29534713090491	1.65375588770416	1.76113777252233	1.8076551024066
9609082389	1.50461596570269	1.33869636336406	1.41017490901139	1.94132685894156	1.36303684255029	1.74031710969069
8738444375	2.15050738097174	2.21694502245789	2.28397530963802	2.40707905655413	2.75226155226286	2.27474832112082
5851864798	3.49233625092645	3.63285467030398	3.43033153836486	3.27181573166475	3.23665250701745	3.22717043893865
39065752999	-0.0949823236196032	2.32064092203524	-0.991675423236677	2.34943035151301	2.24334156539959	-1.39573178890451
6898538992	1.55158866504062	1.65278779834885	1.47863027189408	2.09557384370876	1.31911880707546	1.5122462203436

SM1677021_Treat	GSE68607_GSM1677022_Treat	GSE68607_GSM1677023_Treat	GSE68607_GSM1677024_Treat	GSE68607_GSM1677025_Treat	GSE68607_GSM1677026_Treat	GSE68607_GSM1677027_Treat
0468718076	2.10802475920464	1.60657649035562	1.68988966286223	1.73538818806645	1.80439791567272	1.32894911244196
60614714886	0.904259138089213	0.569850735362577	1.44323086569448	0.979893483575261	0.906926452698239	1.10259826476411
9094987033	1.56922858455202	1.56225294770553	2.14995192029009	1.35992610731018	2.2175684090936	2.2876363243028
9419424115	2.77335672766858	1.69931715000185	1.40063367352201	0.947973518482779	1.72429090803224	0.853504923338069
0500024001	1.59914466748123	1.79830816655785	1.53221934748406	1.42668524269457	1.68173907258788	1.34886073499665
3825506309	2.39693994529195	2.203949570701	2.11079223799664	1.90969924491922	1.83060980381291	1.98088338012159
1630760628	3.24457624126307	3.44139553147523	3.49255926440912	3.61785438829761	3.66107606831142	3.71951627800947
8054536031	2.99235585294034	2.86008338584046	2.80973688051837	2.93801630371059	3.08680623985454	2.58652932827434
4885476011	1.51435676156552	1.55408222797981	1.13629532036517	0.765448589984633	1.45601677503094	0.922307453371465
3514981118	1.67204241520565	1.25483900424446	1.53293197425523	0.774879631675726	1.0557133881774	1.73837572849291
4544381323	3.0716022932831	2.88858314091886	1.46339728596721	2.8185040012046	2.90279466212912	3.09259557379678
6905789359	4.67312923585829	4.56932116875979	4.35371970302495	4.48016746594116	4.56196905789359	4.50651183629662
5188565013	3.46378691459862	3.05599398918771	3.20323594594163	3.19450522134225	3.12219334380609	2.55778787772515
4832808701	3.15771234330016	2.77059325526107	3.20023650218187	2.60431154354075	2.33503185930594	2.09475786641247
7390430293	2.60081563431796	2.47940763204921	2.46924399830284	2.69004863396965	1.81467581993991	2.52200276993877
23558154691	0.790147559083282	2.01888704918376	1.35526182359652	1.14730943842165	0.555571524838345	2.04511433012356
3834074478	2.04531910532526	1.8343588025065	2.10080056907078	1.72212095551696	1.22423089563517	1.88059434291671
1381703849	1.26339062455053	1.34662514551281	1.18253044280734	1.08608638338553	1.11772215932701	0.938205754787096
0752765182	2.50625123415077	2.13025545461805	2.52123076457951	2.12535998322267	2.94005177135811	2.71052358720548
2123255693	2.60216239493643	3.15004271912945	2.31973838550886	2.56778485753386	2.6499694291827	3.0716434099097
0498678703	0.462689265804423	1.49303446948992	0.306145678676412	1.76448167444186	0.599582184706087	2.01257130748645
4622927104	1.66899597432568	1.29570294976991	1.40358319788007	1.1858613752993	2.04190694609647	1.0007287470221
118179473473	-0.0501970775354543	-0.211281832659075	0.327225933731647	0.0462599831883541	0.114859557647053	-0.248637391917463
4945710448	0.915575572556055	0.390224406440312	-0.032592570629998	0.338231189852342	0.47249601577094	-0.109148589725848
01988402183	3.66127745822674	3.02114912637284	3.09786852012732	3.5751707372583	3.47297276085772	3.62606926524344
08901865772	1.26278939091811	1.06151078082394	2.26152082005369	1.09894256185085	1.27460668713357	1.44725732220794
76271987854	0.939785884780289	1.24068907158334	0.846955919201312	0.822752812348136	0.580681601864998	0.816414889930006
9159353647	2.03167951157982	1.59373507416833	2.52705727059924	2.49661713695446	2.41905252232257	2.45620029309487

SM1677021_Treat	GSE68607_GSM1677022_Treat	GSE68607_GSM1677023_Treat	GSE68607_GSM1677024_Treat	GSE68607_GSM1677025_Treat	GSE68607_GSM1677026_Treat	GSE68607_GSM1677027_Treat
0486190164	2.82610518079465	3.45712780418486	2.06852430392948	3.28369032894489	3.35700521647779	3.67333081428638
1093833462	2.89625557566822	3.07351182829205	3.05750947324251	3.2372045471434	2.81897076554074	3.15383851968365
1032595178	4.01853714401175	4.43288769496588	3.57784971107925	4.01480039100205	4.04240272844335	4.34074561849615
0756344913	3.46826163347093	3.34816032213413	1.42398818376913	3.24350819506701	2.91151484382454	3.11671654583446
4986321392	2.12963024248898	3.23735563542014	3.81142905115349	3.29504786397144	3.88009368467198	3.50314209804775
3634364792	2.1047199038785	1.79299502124968	2.03198350694103	1.6275129447758	1.57276976532045	1.8425265502642
18069876732	1.8250695605685	1.57540101881488	0.69424006681999	2.30353893754542	2.18681894847501	1.81979022953934
3703676407	2.82872166570735	2.34830224640428	3.24548928963707	2.08037028541924	2.64093644327307	3.30782883162711
46237047851	1.01763392984761	-0.158261017234859	0.191962418440835	0.752547231599249	-0.281523036986343	0.527631092390373
6702875993	2.13416499211868	2.18188622055051	2.28326788044495	3.03429359324392	1.93293613268166	2.77014734592052
01526401154	1.70651325191297	2.33524191495537	1.95707821324774	1.95343908576121	1.3986404834347	1.29817573128639
6145529689	1.55076505305517	1.47402351170658	2.04692459026941	2.07876370470578	2.11429961693884	1.57646249040578
1748140924	1.28369866739459	1.07602871018264	2.50887596955836	1.90082903835301	1.73043413237482	0.988596945512262
9969943305	4.01311236087982	4.16192368336644	4.37427324626326	4.03443591759978	4.31275688065189	3.99115366773118
8442976231	4.0426296205742	3.46654039148182	3.87125801693514	3.66131118727091	3.50918202196821	3.42488162938483
8157981165	2.72428945781976	2.16993642969771	3.30448600021716	2.46041297388677	3.35627514923114	3.25608152854684
9130998345	4.19535163713891	4.26602821017475	3.53220861146677	3.87224094700877	4.06100932678002	4.18557660640809
2987973657	2.32032793567573	2.5740483019648	2.93455835528677	2.73719429245322	2.30834981257861	2.31700694551988
5739010918	1.36907747743236	1.63460345920676	1.49845146419851	1.5388940322609	2.04520712945467	2.09401581979642
4317832263	3.05868183434022	3.29695500658282	3.04918757527654	3.60054331841596	3.68980820975775	3.5893447161929
01475020098	2.09246765989073	1.0698774704267	2.9751832462557	1.86379565744287	3.46900007498571	3.02194331015833
33445489315	0.996936852316238	0.838307491733484	1.06216117707293	0.984563853515779	0.634015842435961	0.774361818205778
8891882839	2.24045274569512	2.96772264549938	2.38506725538212	3.1246493084904	3.56975013750315	3.69263983865738
2299739532	1.79631754925568	1.65027052904324	0.698801638674329	1.78786014288676	1.77620596225611	2.20148776106215
6178735071	3.79392764541075	4.16968053953634	5.18768250080223	4.99513452257642	4.93365796256818	4.59241666714583
0977574973	0.719616901044106	2.47102623415411	2.23572317127666	0.859920952654986	0.381603256938541	1.73611482881551
5545481952	2.97354544333798	2.86354562242201	3.02186513950018	2.91851038202591	2.8157254593892	2.7524970665056
01276656292	1.07507839134656	1.93644052927718	1.71474849242428	1.25269178033356	1.90467502037545	2.01131358775281

SM1677021_Treat	GSE68607_GSM1677022_Treat	GSE68607_GSM1677023_Treat	GSE68607_GSM1677024_Treat	GSE68607_GSM1677025_Treat	GSE68607_GSM1677026_Treat	GSE68607_GSM1677027_Treat
4783691024	2.07033560041155	2.02211071101562	1.81927161816364	2.22610697423872	2.04746440069061	1.59332688551019
6667745514	3.2611119695291	3.51267173068304	2.35823292498242	3.13596072045505	2.73846934908412	3.53823782198389
00952864784	0.562289128930468	1.25818981100485	1.65251121041883	0.490087270786187	1.37634431468529	1.12899281118139
2203115535	3.54436094879286	3.86154758163804	4.34820090139672	3.74988603983001	4.41319363404903	3.77008069089722
0110943298	2.19548352855157	1.44178765537969	2.12919171307272	2.32088955203665	2.82076601769982	3.36115796002864
7988077244	3.88442773474541	4.05921182379903	4.16329092318534	4.15652602514642	4.39804054478929	4.72242238663287
8510768717	-0.434418534690076	0.772727126053946	1.1717605114717	2.20660498508604	1.21909407898509	2.25446211090386
5613299957	2.23398478165985	2.36826801817783	2.30525832672492	1.79962418104278	2.40234186489223	1.8338964734569
6185992089	2.33421739735987	1.70366422621105	2.44376366798207	2.94514497957638	1.56617594754028	3.38252995146434
4461136794	3.5872040950786	4.19791116698854	2.65736697614258	3.77358067011469	3.70190858187642	4.35630176516419
6558113804	0.419697046705619	1.97161378666984	-0.0608026520214042	0.316863127356453	0.0093692230282358	1.56087060179197
8157811293	1.0780189878844	1.14657978588111	0.7529713508212	1.08298792530557	0.963315469398652	0.823937137159755
5433822896	1.65843780327098	1.35107823063609	1.27634370656584	1.23023536664562	1.32855327464717	1.25468198248621
2395416855	3.69248632731597	3.49469172497368	3.60188782981269	3.49771529260935	3.38133429002649	3.57157613115198
4677723579	1.90859856725729	2.13446749208005	2.3548709355448	2.25189639810098	2.39878306652743	1.6004872058824
9464674357	1.35376067192296	1.20902311282492	0.995119920041191	1.3111248613141	1.43566684943749	1.58162867610373
5705466655	1.94242862376268	1.73393922820495	1.91609988484624	2.34603153055395	2.14995435842363	1.82694331590092
2932989856	1.53627879868228	1.90905288893112	1.65973910967524	1.53140092664864	1.41622645632936	1.24368480208018
6908702651	1.5078984918341	3.10115279918359	3.25405579858108	1.2879889663481	2.62320008465235	1.32168799252652
5444428025	1.28334243119281	1.06517714864087	3.14014374487953	2.76794551155461	2.22276198739688	2.66649292052675
10410129738	0.346837129343593	0.351492660682772	0.589482861534461	0.7653073655924	0.72327400690813	0.324880376249134
4753615429	2.45301288561327	2.99694594503941	2.95526471228795	3.01059536112145	2.53289327467911	3.02119390981428
3370029239	2.93617525477837	3.62273394004189	3.43097919953939	3.64923116396761	3.14838148814969	3.81901191064506
3190181907	3.49484210676607	3.04064970193992	3.17676275126944	3.16430726188061	3.26004422144811	2.64914489819224
2545600505	3.60331364843788	2.14978648500322	2.49688742618407	3.43785226651232	2.61467820333694	3.78662827279129
9758505509	2.93942579453368	3.03549474391176	3.41530676355214	3.32703218600947	3.0558926637144	3.332877690134
4463833597	2.50388718112942	3.02913583402617	2.82726791291347	2.3817340516535	2.83027102106947	2.55987716880478
36116447363	1.72307932751741	1.24318422567828	1.97036399962834	0.798896602010417	1.51960489509384	1.80436706843851

SM1677021_Treat	GSE68607_GSM1677022_Treat	GSE68607_GSM1677023_Treat	GSE68607_GSM1677024_Treat	GSE68607_GSM1677025_Treat	GSE68607_GSM1677026_Treat	GSE68607_GSM1677027_Treat
4759908239	1.51834874950995	1.66831306044029	1.28534923094297	1.45467769856034	1.54177813318311	1.52022680128743
4926186924	1.71345928756294	1.81169922427152	1.84124432818108	1.59450834151173	1.3477877563339	1.7050221412242
7660312042	1.4604501284289	1.49190774320389	1.43277024173323	1.85657836099191	1.85524661990953	1.96618967989417
7142645646	2.73189564138667	2.77495283726629	2.79027679873577	2.26260198047576	3.02128946755093	2.82492285293123
7137834773	-0.83254037174027	0.130381094280348	1.06193151198567	0.605845398498058	1.80962504878608	1.00647595639367
1476404153	3.97695317510052	3.93766068750116	3.90100747962384	3.82276637289638	3.78041866131324	3.84498539767859
91562544749	0.100617144398487	-0.28232243379187	-0.28232243379187	-0.300733882755257	-0.111833433889037	-0.321219870237673
3015499283	2.93209214473648	2.45650403802604	2.43284576505883	2.36302638187877	2.17526839576269	2.50746175416081
1057888133	2.98016788487965	3.20686823118449	3.73432254057621	3.35333698661697	3.88210053320125	3.73787771261265
3299010783	2.96182128428021	3.21924910378877	2.81874622319655	3.13247890174996	2.88137278009628	3.01636274306921
2248309002	1.59725428622955	2.4197494160175	2.54872885726486	2.97153976914287	3.29908999240655	3.2877250433808
586970177883	0.202435184420589	1.82594249563841	2.45741085478654	2.57847396961871	2.30551470886364	0.0459004920428525
4999276234	3.40237836345205	3.25300536933994	3.20301164027485	3.22952791020218	3.08378681672751	3.26813939725259
0255037704	1.56162533178406	1.60573331519129	1.99337895675162	1.98730171370586	2.86007428307464	2.25407158463228
2462900542	4.39342404370252	4.55206121432759	4.55206121432759	4.40539654692307	4.17070764036009	4.27720109892231
75264510417	1.81540935383407	1.09379395685676	-0.223967647100173	0.953908892770889	1.43220244455262	1.09416861269175
34769821775	-0.214118327811246	0.0020527610968704	0.680133375718799	0.905186208782798	1.33723375926794	0.12543110565806
8269651978	0.861443587210669	0.883411004837564	1.17043486421857	1.44678291263232	1.80951550119086	1.92485501533193
8193552493	3.57742850934637	3.77487914270007	3.74472536208333	2.06060233674563	3.40505940417987	3.41698651166867
31378768989	1.11835677011634	1.10814052298854	0.75022316813741	0.912572912822147	0.748610751136373	1.11592028589088
5998414325	3.77718411534734	3.73140384578742	3.62712044820247	3.83792667112046	3.67287627807464	3.52358555584989
4512730185	2.10371360215166	2.49591307502402	2.47731011561311	1.90203007524241	2.22348111106368	2.74078363370878
0725196276	2.60975901619881	2.44460705466532	0.892129289162316	3.62005150128636	2.18413886395506	3.53408054983273
9842112616	0.573607071366007	0.551600339732709	1.2227042182069	0.92704635087127	1.52418785512926	0.946705529263851
8948751439	1.25075469608378	1.57470712241952	2.55513641384791	2.23206766288228	2.59338120514068	2.53634049331066
7041705564	2.34330694628755	1.69866767390193	1.46820765309539	1.89103070139486	1.52132504167675	2.40494849866271
2641263423	2.71194012342789	2.42175299098116	2.62819661701336	3.74298286425994	2.70638671570178	3.17449622605442
6013840368	3.89957812909742	3.76028424431678	3.94320128235712	4.43225438427995	4.28627015072204	4.32679232016072

SM1677021_Treat	GSE68607_GSM1677022_Treat	GSE68607_GSM1677023_Treat	GSE68607_GSM1677024_Treat	GSE68607_GSM1677025_Treat	GSE68607_GSM1677026_Treat	GSE68607_GSM1677027_Treat
3856512764	3.05358422945962	3.4575152347793	2.27274597010136	3.08639273589232	3.76725979536333	3.26877011203047
4005186484	0.982934179351967	0.597228571012477	1.63237871909049	1.41128983575574	0.733355589250759	1.74356222070458
8841107135	1.40161608203257	1.00730078320927	1.41640185208249	1.31527206945826	1.29786505266554	1.5152140642848
5150184688	1.55633649172677	1.24388294345568	1.85211871900041	1.06693823043565	1.31007796357605	1.36817231381145
0476479898	2.68506737182251	4.13886175835608	2.05047733445915	2.86594504268677	2.53332436378996	3.60254093206398
0015778707	3.53111073850118	3.39596655287863	3.73720445809522	3.4877609230885	3.45059517911276	3.24364531617714
5308775686	1.86031915353782	2.14175291809451	2.77271567049455	2.76831737945085	2.50289155147142	2.37510031351621
2341921366	1.66728025951956	0.715723649514386	0.244726826183399	0.686198449318792	2.44449631855119	2.23141205338298
4594464548	3.54641643517224	4.12448800593105	2.72237408097671	2.79729736448247	3.42879601049265	3.17512318166286
1473844059	2.84207752597627	2.85213653163116	2.67369085178614	2.82208685782963	2.71077175715906	2.55311909153599
7414999423	2.98095067621765	2.58031000856103	2.24114250776838	2.74093425456362	2.41672557571513	2.41748499528682
3577170018	3.3684186178089	2.84326006514725	3.20924181209973	3.00601557366518	2.93829603573857	2.7749151546473
9693222604	3.88147432279089	3.36688115700576	3.79206789486577	4.36298465896524	4.24034576808545	4.33073528005932
5380734287	2.36232033998637	2.3421354829864	2.56106170372914	1.28760428872768	3.51799681515024	2.22942603080068
5724051816	1.39902520998951	1.19661807274734	0.975167068692311	2.06959198863249	1.75265613763541	1.96669813166353
2382474102	2.2039885119498	2.0019407371714	1.75207602937204	1.34573848742974	1.79172923310347	1.15156846965511
8464883316	2.85684233083394	3.85934491756173	3.27337150815942	3.43906059087045	3.52781743233485	3.71219857341833
5795017232	3.31856918444755	3.41851575524378	3.13573746394997	2.67820133175181	2.47182519333035	2.57581372720427
9599061235	1.98217422929336	1.49865049638643	1.36758141371038	1.68734280608822	1.36079055167002	1.19593236722245
6990992618	3.6947404109837	3.91340219142494	2.95401669597408	3.22208802144746	3.37138403003747	3.87410605486758
1458361269	2.89016848330546	2.91675502356672	2.70382530930142	2.77287697181236	3.13378244653921	3.55053111302032
8786470829	1.72396515516426	1.48575006059257	1.99764060877496	1.00269368651497	1.22515901888315	0.428445458069348
3733423016	3.40668750014941	2.81633326277054	2.89626799206654	3.62083493136143	3.24214659179008	3.83036956492883
2336913205	1.34606413709403	0.888440015766439	1.95130032848761	1.26948009151184	1.645277527904	1.63006254805566
0548384314	3.48979354746506	3.22186460468051	3.31182479715452	3.13678718575508	3.26607159554897	3.22427153916296
8122695502	1.09923442636564	2.20076972822451	0.266113400370342	1.39316359382473	1.32572923158577	2.0575033174117
0171276689	2.20060770035253	1.3530159941759	1.22950063698163	1.69923266190772	1.17666044690173	1.97666659378248
2079649575	2.14068963505177	2.47161407564244	2.74616767071586	2.79888345059949	2.90457777637586	2.76895796243789

SM1677021_Treat	GSE68607_GSM1677022_Treat	GSE68607_GSM1677023_Treat	GSE68607_GSM1677024_Treat	GSE68607_GSM1677025_Treat	GSE68607_GSM1677026_Treat	GSE68607_GSM1677027_Treat
8086056963	3.58840747255729	5.64913598598562	3.6596400965063	3.36903581303636	3.74947734022875	4.48613850978464
8170501923	2.84014102888425	2.8570840645557	2.00383660175215	2.46297502606051	2.17537109181989	2.53207851455269
5091639754	3.61852811524281	3.53934094644088	2.20748725535216	3.87850915284898	3.80207411828924	3.92226902051509
64280984367	0.468000117505266	0.379702539703695	0.499733609092618	0.387540259210006	0.115412105247986	0.225480372593042
0702074265	1.94632605233669	0.538763246177149	0.252326387027476	0.872644928775713	-0.00981429704568249	1.08098979003715
5166882397	4.28499696160905	4.56465590425122	4.67611230072766	3.86138125046119	4.80884093766841	4.00035624896387
4798023153	2.44928134283345	2.76577197156018	-0.0453304475928196	1.89448064000585	1.51969513148788	-0.0669047404563943
1281354021	3.15605667774916	1.59041287420112	1.71199454722837	1.54561923561771	2.41686198527392	3.62643557458838
7688896031	2.21302846751612	2.08497583075448	2.29853655934856	-0.216010071404935	1.92566888750547	2.06549057056282
0108337437	3.25413619067863	2.67460482619938	2.99097156647438	3.34981818510649	3.28673522747698	3.33374139384715
8205833026	3.9738298516625	5.32774424080792	4.55447213961508	4.60491119879129	4.59548227835876	4.89299280165982
0584867558	1.74738186493681	2.49064838055146	1.99190036107964	1.80104446920883	2.00186599897646	2.34337620211779
1211131402	3.63004552334203	3.94041967783736	3.64874071438884	4.12729342861732	3.71460965682257	4.33365976940162
1144147848	3.70952181767947	3.41718231302892	3.48187628765716	3.31369196184338	3.15081449725125	3.35977198551602
3354154387	3.2966373728132	3.20026305687849	3.23339878699157	2.97325550054168	2.82391521999057	3.03896778646259
3330395862	0.818376108343644	0.406307383072374	0.51317250188008	0.709016273281733	0.561845011377661	1.66705601377507
1354540296	3.61029358444629	3.58177439079814	3.4946482957768	3.30738950625284	3.20785481873314	3.42758321491835
6949010026	-1.02327701176842	0.642026761601667	0.895935308661713	1.18253449130191	2.19989082737412	2.77154053810879
26047544969	-0.760369880423637	-0.298633312696676	-0.0894251182715646	-0.641566376217317	-0.115833991169692	-0.782292855401299
72091781731	-0.0993540985658838	1.41413319677615	-0.0993540985658838	-0.0922784096109771	0.111156963083771	0.506447729012933
4534523962	3.63537042314771	3.35133471287408	3.07730932422442	3.14849681043655	3.10424760815356	2.91096650889136
45295610711	0.810875946434932	0.881856312132075	0.997896012646577	0.424282697590273	1.12303379217386	1.18021491769442
22933985855	1.46654918943729	0.497910967116067	1.01736048154297	1.07174042044151	1.20875791038318	0.827913487373971
9054944712	2.61342199457686	2.5608222265373	2.59238937944371	2.41417294270453	2.27642718678688	2.34741918986978
3668508859	2.38778078746851	-0.205330925679165	1.05998321831775	2.20437881505602	1.05998321831775	-0.336373644558178
7371953399	1.99800739329058	1.31808513827468	1.35454628582923	1.3105731891813	1.26343303340354	1.32776471012903
2989392529	0.935396320320263	1.46875550971614	1.21138299314932	1.83460457584051	1.65952811170266	1.72886623067757
9285167648	3.5606175383407	3.42944434311604	3.43128514603794	3.42269140855756	3.8949069128338	3.17044314558768

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2446229182	2.2251584881062	1.54625473755019	3.3678047788836	2.87864415771268	3.77108097788264	2.47638703856124
63543744514	0.543398034176477	0.0947141456643146	0.0062093024133543	-0.0830979959550273	-0.361274173155869	-0.110751464658812
1406531969	2.91606878611353	3.11215503591355	2.93410524930806	3.92142287287895	3.24175988148312	3.38217622881827
00063407879	3.63270029087021	3.4262158811958	3.68074847329778	3.52048920811693	3.73985806533818	3.32095525592119
9125253491	3.03769902369915	2.77051878067678	2.90355332525478	2.96510357144259	1.19056870316464	2.74040421777491
5421129297	2.25175872035562	1.98275289187272	1.81194878072123	1.7096726025438	1.81496305367224	1.7501960391617
4515349725	3.02241464014861	3.11935286174675	2.73604998518749	3.09782447289691	3.19232322440304	3.19270273796133
01620392389	2.52256039044068	2.79822774033112	1.96720068149495	2.59137794034237	2.37036554464058	1.71978451104291
3398992862	1.30300885447941	2.25749266617535	1.99672777822829	1.18360542011781	1.57697644250882	1.03780928065925
9835502448	2.60595858156292	2.50873185363155	2.3622991618315	2.30193624735237	2.16655673816463	1.84820513600057
14705904234	2.53958089713284	2.94051792201763	0.724623230564733	2.07596031985634	0.629043698594487	1.83355005852766
2614499992	2.98704265412668	2.94917887030537	3.01687263856221	2.98465829604681	2.60580074135223	2.56555838077217
7973530734	0.776055915811293	1.1606374398396	1.04855753148083	1.36023051558895	1.76623526699873	2.30404626452721
5819199384	2.17198110809166	1.71186106240206	2.06576398928702	1.60369430808326	1.48878370879064	1.31560267527391
9430445729	3.13477297877221	3.48169385108274	3.21941314298252	3.20310651526882	2.85188952303018	3.43767542273415
0903129344	0.62214542418453	1.660980928699	2.05227230030839	1.40449427690334	2.27968959240273	2.38940330430423
01746854857	2.49228981102736	2.21757619814818	2.01631413913713	2.58569856986756	2.00157135654045	1.89026629737427
4785404416	1.73541784121782	1.5579846467551	1.85189726619188	1.46599195202494	1.35242871677232	1.1225069636461
69642278	2.71599818713346	2.95715363368914	3.22365140760862	2.6550542516315	3.35334909776343	3.12032507742746
06663336235	2.44119656255042	1.21040218109626	1.97336713669025	1.62908332725924	1.52036267206027	2.35014746617752
8786696171	0.950703679110465	0.943010663417283	1.31024291591322	1.11993411577489	0.908439805908802	0.874446096754458
5751099523	1.67867233094154	2.91679956038734	1.56108193276584	2.94011812327215	3.34791028574169	3.09488112617277
7180674355	0.16129870380978	1.79691517136334	2.26332087551993	2.16048042296851	2.0743461822184	1.66796633094291
70449664094	0.691195440475889	0.546423477569244	1.28342925310439	0.866761567016143	1.93153627110915	1.05649857354742
4193269553	3.46021516156658	3.39815671822509	3.66803431830164	3.55794228453347	3.19642404803469	3.14694784466129
7534371929	2.77283343997463	2.4481022323432	0.747234631153656	2.45457288713739	2.1458998582354	2.33224153922546
9722364192	2.73681433090438	2.70472901764414	2.39059855710431	2.72333817449349	2.88092714340572	2.5886210928738
2139457647	2.95256906199887	3.08227214513019	3.12450357855012	2.76829808720411	2.59414710036838	2.65181935707724

SM1677021_Treat	GSE68607_GSM1677022_Treat	GSE68607_GSM1677023_Treat	GSE68607_GSM1677024_Treat	GSE68607_GSM1677025_Treat	GSE68607_GSM1677026_Treat	GSE68607_GSM1677027_Treat
0791293559	4.98493915039911	5.10156294223594	4.60314485334671	4.54034220729292	4.58127502592815	4.43510275620306
7099819218	1.72851234136799	1.61581479496451	1.91612167334078	1.24722294341031	1.5379379874109	1.30687679690003
70041482 44	-0.373404411151536	-0.55466214095446	0.177550643757987	-0.199389981972738	-0.0819718487941455	-0.12117004148244
1018163759	3.82679003316762	3.25862071235428	4.42813839879641	4.05652933501976	3.52087978460552	4.08873533644239
7185499591	0.0569616662132671	0.83457860890069	1.74078575837813	0.351039814784948	2.0700909179628	0.156194760750707
8417076555	3.82547642810853	2.74706391307759	4.73214204609234	4.0196376132688	4.34987545711969	4.0288744340265
9932955275	2.7907032129733	3.17524635020754	2.46350676207108	3.09898618298971	3.00024942415465	3.70779036997673
9020916512	2.69898788818817	1.51925044120043	3.37903342736211	3.19918883054002	3.19018912686473	3.08276651097348
1194826777	2.9249510909744	2.77680631518921	3.25434590036098	3.33667254243237	3.8508717474161	3.57613024023829
6259772556	1.1312662176546	1.59166143971589	2.26068458011254	0.48740848630532	2.00286953259249	2.13883000558677
4172816183	3.59530672471863	2.63394262883695	3.77628627090921	2.12105444961919	3.89223372142351	2.90575121906747
6284572224	2.44031060237809	2.61192500732124	1.76520531082616	1.36192939195075	2.27223812270762	1.97574998370577
9930731002	3.01607547469839	2.37415952464841	2.27404367252581	2.93364661286165	3.08822157733152	3.15103969878979
4814080635	4.31879104642506	4.01386164053533	3.827167506163	3.88489332646095	3.6482723572253	3.47896659225622
5224353548	3.24566345093364	2.85968885192378	3.49535218688373	3.28683969957718	3.42728768674973	3.24676082274763
1623872294	3.4610887008971	3.78696215799321	1.59092984050164	4.16550943186796	3.27944278768208	4.28875073692349
95207772503	1.8991242928382	2.19226862015824	1.32211483719396	2.35591416328307	2.54654235760572	0.912241950443974
1061881408	2.71460146561067	2.78634209871765	1.79933233528628	3.18279970201732	2.06503141670881	3.4443877685054
5407628033	1.87931715844628	2.5331971259728	2.61986718429404	2.38018271484252	2.28073984269938	3.41292255162498
9546500671	3.61331529761206	3.21927907251771	3.83540314520567	1.36021614417755	2.67335205297868	4.21498534887339
1930417127	3.46106139228582	3.46905562670494	3.47858995218093	3.31232695358464	3.32694112121827	3.21006400015675
1725182281	1.8828054267481	2.08221948977463	1.49011978120007	2.18511216456776	1.79852976421796	2.37886642349344
56685298477	-0.394109743705232	0.0423361062358846	1.01525273697532	-0.258879814077236	0.972069733586432	1.00860869926825
43931575224	1.64282569324953	0.714778730190048	0.349549312474883	1.30906023611655	1.84861147784098	0.73289293523853
00957473258	0.458593661964249	-0.746632663398762	0.439425359982318	0.727670535719776	0.655251439781574	1.27366559874429
7814621184	2.01981582181804	2.12615532409752	2.66765659214111	1.88190081797197	2.46139093946927	1.41415943104532
6735780719	3.09070361603552	3.20921351416172	2.30820425827286	2.44848214514794	2.86806805338593	4.04038371244964
2377212514	1.79100801051329	3.07918041474955	2.20114659725737	2.04417717434242	2.76599055579396	1.879884536398

SM1677021_Treat	GSE68607_GSM1677022_Treat	GSE68607_GSM1677023_Treat	GSE68607_GSM1677024_Treat	GSE68607_GSM1677025_Treat	GSE68607_GSM1677026_Treat	GSE68607_GSM1677027_Treat
6793281626	2.54479695040051	2.76935150982853	0.821845980139514	2.28719707827084	0.689527428068665	2.58326165981271
5656750556	3.26266170477749	3.12537220268152	3.42447843160271	3.36422241410327	3.40247831200186	3.43982609164723
3213127946	3.83675519159001	3.81114725905158	3.2225261201099	3.49772363060747	3.10630996769517	3.44411170001736
4249271379	1.82343855575256	2.19963294868046	1.69126133202694	2.36843003663603	1.67428742362897	3.11969076398827
2689742846	3.9902084694324	3.59752510280846	3.63384504271388	3.79150657634512	3.96576788174284	3.83411957513626
2062030004	2.46500852246144	1.75754815977015	1.44776960494773	1.1081428169137	1.33942219908555	0.606752925369896
1280770803	2.23318157701554	2.57838420428945	2.072014715985	1.84207352721314	2.35273552274203	2.01075667230342
13391951816	0.6975193068858	1.33630678587733	0.862948625302774	2.84849698249165	2.44572123178421	1.42286840783933
5967658101	2.42895754036065	2.62300425027508	2.85992230315028	2.88529057092366	3.13493434854638	3.3300942127141
2416792225	2.77003029081316	3.52213987279952	3.14107006495454	3.39550535611425	2.70240720920938	3.06410403209799
8275650077	3.58018345003627	3.48051610613865	3.41921516962119	3.48076960790656	3.09255183746722	3.31732199045049
2411391639	1.25106729288258	1.55402900328905	1.48079209244813	1.39560906519803	1.07224991748397	1.3118662095672
8883895242	2.34111260164716	2.3357460237609	0.944731620244148	0.0809958780164501	2.54763396373272	2.05212916938128
6884309131	1.42496422954677	1.24436276314718	1.89624790408744	1.93719428427441	1.11363850684992	2.30678268292509
7655391456	2.32869179768983	2.90038703396961	2.64212315410186	2.89305125338374	3.04730631383901	2.9015175838242
1056472986	2.27689872595201	2.71739558331537	2.60924570052524	2.59066031390438	2.56898052565364	2.69546161989939
7645728094	2.59972113760409	2.98651963538711	2.71321848919435	2.82019752511067	2.87149328523682	1.55005121592217
6560151568	1.56388610179172	2.07540244560224	0.564021902585191	0.830741424556108	0.245324150803319	1.32996695723427
9834258023	1.70768985179838	3.01627009492492	1.39636371411308	2.11946468277539	1.83154872563452	3.29799320481523
73605617967	2.2629525907894	2.3970883044283	2.13978612451951	2.34453646774542	2.14192068919569	0.794649231843742
1336108128	1.57233877766846	2.24534694298449	2.47445885259619	2.88049965122283	2.83119504928486	3.07791898993358
6434506413	1.43812707017207	1.08804864504267	1.40794009962416	0.974315789543753	0.643136047399024	0.882303357210682
4249572533	3.78623302206788	3.49550773867909	3.77525865446235	4.37932613528917	4.09694041472049	4.24096032453535
3383647968	3.80014008365039	3.74235202768072	3.75804015487617	4.0238383647968	3.73430378047345	3.97142594970087
0952923695	0.72644798665313	0.275503176422692	1.05782847170483	0.427021524378633	0.631524864334933	1.02943846371084
8709993097	1.84686457478681	2.14232084262364	0.820560886310622	2.1770326682872	2.4110490847748	2.61409364871402
6329013116	2.98021608758551	3.36936468635754	2.34920416221758	2.50224867502566	2.54629867135934	2.86904911919729
6286427722	-0.500779076136187	1.64942856149993	0.575800037228724	0.616519306190165	1.57790393835591	0.185427287090818

SM1677021_Treat	GSE68607_GSM1677022_Treat	GSE68607_GSM1677023_Treat	GSE68607_GSM1677024_Treat	GSE68607_GSM1677025_Treat	GSE68607_GSM1677026_Treat	GSE68607_GSM1677027_Treat
2644053034	2.96008780769688	3.17754118683047	3.06808258312668	3.50264003756755	2.89121926906678	3.02044783445364
0283122557	3.32082167270165	3.37979480539712	3.59036502217461	3.57449321157158	3.28990504267688	3.13242521303528
4419572377	2.8348560543968	3.29553422283443	3.23678234360887	3.11938478566349	3.45232945264869	2.82823320210923
1186616856	4.11320319358192	4.33135673815245	3.93441730105477	4.64576276199811	4.2925068231726	4.42658961501023
2342611509	2.29398224058146	2.67657972253051	2.78677578687526	2.55731016940807	2.70803449135484	1.98979309461474
3069467489	1.36425863811075	1.43711391447305	1.36452831427919	1.62036237450882	1.44638612802786	2.64208454095763
8918309194	0.87790091036824	0.490795606185373	0.79492325243544	0.231281980555659	0.41728524113657	0.675011951687582
6942861949	4.16848869362962	4.14758993856556	4.29663368983385	4.07438849415138	3.86896347788276	3.91200951664259
6634175988	1.68554193876345	1.44388285373162	2.43432103764487	1.23118281844378	2.56140368553969	1.79184695032523
3015017175	3.59526634250207	3.72330672480336	3.41204577601615	3.38291124576763	3.91391687719992	3.81966963077527
2863989014	4.23027689782869	4.27032414393293	4.38572844432207	3.97134831359689	4.4557356085683	3.87384757930179
5450381455	2.91045115277241	2.77640533114686	3.10634250851381	3.91857095993949	3.70678552069166	3.30675102301599
5985867549	3.05705609306581	3.06536563537688	2.98876294183105	3.02613363559152	3.00881690899504	2.90488761834479
7314034688	2.5236949400904	1.45371238100823	2.27854466024088	2.04258714657712	1.86160484749803	3.16252243774993
8326466936	1.67122384863791	1.41417891370743	1.45694895173569	1.42320186528853	1.19625319421694	1.20750994039678
4739148751	3.80506149652975	3.92106918872963	4.20958275907168	4.06373230998565	4.25814242180176	4.29873000599161
9406907495	1.95693622933367	2.69427654171999	2.46737853113881	-0.887013291210391	0.0968848072402562	0.0817905199887674
1825529675	1.25911518961338	3.1508985364782	1.19423933069506	3.13046287509457	2.56264313039602	2.92493076010402
6970689235	4.42833171037482	4.47723205139396	3.4588012545348	3.7279421062137	3.79729248587226	3.9630595395426
2908118675	2.69403686257827	2.46550049771609	1.78261757293906	1.13801343020858	1.54651625966734	1.17823539349928
4484387944	3.32137216092918	3.14519217715672	3.34671435819339	3.2476026284019	2.77846809165961	3.53644040302991
1590276026	3.64057992171795	3.73360609794822	3.56049086647975	3.34058911188808	3.43489787383705	3.29747179413668
7902333154	3.00701920133343	3.21326621350009	3.05352078743298	3.0172070801601	2.91499770703095	2.96571245080257
6323964608	2.33629774194882	1.70449997304106	1.2150980136345	2.05802358871516	0.914914227678186	2.43987770681808
0213039553	3.98991196593956	3.37717317753381	4.36269513078413	3.9297326076243	4.3639266895588	4.38918586366518
8747179388	1.52063115639697	1.35485548426481	1.71585341944534	0.890150598081533	0.534668844678833	1.13471269599984
1317658044	3.57510878667368	3.92146003195872	3.32156809434781	3.40146562756564	3.89787772898955	3.34069987924117
6033691176	2.55476198574645	2.44996358510866	2.1339497252147	3.85799368766578	3.28028478831174	3.4638988762797

SM1677021_Treat	GSE68607_GSM1677022_Treat	GSE68607_GSM1677023_Treat	GSE68607_GSM1677024_Treat	GSE68607_GSM1677025_Treat	GSE68607_GSM1677026_Treat	GSE68607_GSM1677027_Treat
2392423164	2.15250036819474	1.94084301185428	1.75261319519899	1.14981425530583	1.81186346186799	0.700460652528946
9014116529	1.51273247321641	1.8187897133593	1.73844630648245	1.56901388311437	1.70970724838574	1.60460461942203
9593965877	3.0458328967415	3.11517120629927	3.99408607893764	3.34834423086786	3.99408607893764	3.68498507300127
6679594573	2.34979550838653	3.36491837972528	1.50870475605509	2.92400055266937	1.38323155338154	3.49040364967953
8246300499	3.04137375426186	3.29811548079406	3.04403921966567	3.06711725678044	2.98639530738892	3.29075705552428
6619108473	3.50243491444808	3.7522084477908	3.949304659205	4.02210730894279	4.2494876402141	3.70692157536474
0221907913	5.30868427987317	4.9893151520307	4.45321937769068	4.85964657734289	4.81309796270164	4.5650806063792
1253223822	2.41028573977148	2.3650724983007	1.77305286913916	2.40748857529838	2.27079457652129	1.95029875883969
3096054609	1.66666516013551	1.46263086940926	1.80313053548609	0.428358222526005	1.96428089534821	1.22421152763607
3792857509	1.44776418770498	2.13935158003751	1.79590273843652	1.62042307874385	1.82171051192287	1.70307179905747
7743947797	2.45590222046576	2.08855997161293	1.92085715120865	2.29822400963827	1.70517293000625	2.51279326566849
1227894863	2.87805229821207	2.76763129368851	3.02376169593387	2.65571648574921	3.06298545691817	3.01707317406532
0917145643	2.91340984798342	2.64951117618682	2.89483232017124	2.77019947283615	2.78220524764247	2.69736641054976
2745166436	3.78951459309162	3.98073003973053	3.84967503584197	4.00911627175992	4.28321879950618	4.09484693631378
94098084626	0.299710326888313	0.236069806829498	0.905175041362278	0.375234507320341	0.130907548043941	0.415362408208465
7240377131	1.98783126690926	2.61497612964195	2.21293610606275	2.20741193161734	2.42270504179513	1.74164776163554
9743920407	2.12474591816646	3.13550922973691	3.12136769267283	2.62654029891417	2.08881494515356	2.82647227770926
3328291289	1.50857777449719	1.00220504493184	1.5740338639182	1.16597613953436	1.64799668101199	1.40257741922528
0050461089	2.60567690235235	2.59831055979959	2.74337841899431	1.77246822355811	2.36976486796503	2.9404945953578
3038478812	2.37557689838496	2.25358405758883	3.23488501382706	1.97621626383358	2.89863948195903	2.26116281622663
2687552672	5.51841442607535	5.25555662931204	4.91999146713452	5.38525400182358	4.91594062749235	5.56597046360342
0768878867	3.79027865676244	4.20146139225088	4.76257979079119	4.42754734602553	4.67861922091162	4.57978762438909
70827191418	1.27367476188497	0.783498089183639	0.748842636457587	0.556371810611075	0.946598429492959	0.380885347277903
5374292773	3.81746625747302	3.84899761643097	3.90414447043514	4.15469153285336	4.30611748551956	3.89377938303819
5220344632	3.69103310567048	3.41932753886414	3.4330198725218	3.34569378410027	3.38158813317313	3.40840169961801
3835662819	1.30912523352978	1.18791885573803	2.41281844842441	1.04608935769077	0.912522016588545	2.39687963262958
80259997581	0.503823171175894	-0.3973368734252	0.37402236283076	0.788242963677497	-0.188656491251918	0.950723213438754
9518090149	1.23969518090149	1.03724557608085	0.374493912948255	1.35601238683082	1.89205135018761	0.74724362206592

SM1677021_Treat	GSE68607_GSM1677022_Treat	GSE68607_GSM1677023_Treat	GSE68607_GSM1677024_Treat	GSE68607_GSM1677025_Treat	GSE68607_GSM1677026_Treat	GSE68607_GSM1677027_Treat
5124598959	1.97859384067153	2.30579675762486	1.34719079373385	2.34380590945448	2.10517721312791	3.28784819409892
18312628357	0.159687664576017	-0.108153578934412	0.107621912390095	0.239016407931622	-0.0586758847772116	-0.420724666818381
1582445196	1.0779034288259	1.04275381368401	1.46560630277037	0.836695187607534	0.734095890730764	1.70793094264074
1625178251	2.20924872005761	1.89113204945926	1.77635092855278	1.89655449488176	1.81307016323284	2.25896217314508
8865660798	3.04864023836058	1.42247135940448	1.79725939450236	2.8636443181098	2.39547485854106	3.11577550969354
2726425622	3.00232157779605	3.01190227321975	2.6312521407813	2.05489137169753	2.74494897775426	2.64380438247111
5922550132	3.15634880852036	2.56187445340145	2.66072263194625	2.99094580702419	3.15514920921787	2.97478615884729
97391199451	1.71981912005945	1.12636517183965	2.478510595244	2.24247095298933	1.9309219222251	0.916729499014407
7780493703	1.13257513325802	1.59747129046838	1.11197939251895	0.625170194634103	1.12602290533977	1.37477734562537
8880027955	2.85311635576669	2.70399349736825	3.24037886083545	2.89278012852959	3.10525716958897	3.50893638411292
9634416967	2.95200142008216	2.99178315052076	2.7593856388762	3.06758300133071	3.4208610691319	3.08756935703752
5883817175	3.78516791387339	3.45355854096165	3.7355809065077	1.96013061768664	2.98373359831122	3.57458181386637
6908767259	0.715277523589823	0.672310368368699	1.39931969810535	1.0295250373869	0.539936275555425	1.49941501430606
8635721181	1.54866171116152	0.938159186873672	0.98761180086505	1.30309912631971	0.612771566217811	1.13440244663043
1689085102	2.31784596459523	1.79205046801704	2.26662230355158	2.8115639882626	2.32776952630885	2.92164941796354
5476993602	3.11689778461566	2.51195318830038	2.9711114268357	3.40037537581268	2.95094287070808	2.16380787532165
8122114747	2.8584973035465	1.557847870555	0.538894664185703	2.94699518140215	1.40046737436203	3.11685978276402
16907342639	1.10940792501861	-0.016913065683697	0.432339472816762	0.658509025290485	-0.0311255949829759	0.634463705369432
0265674525	1.29090910555692	1.012303806916	1.12906777667318	1.55863815528371	1.62037964508921	1.87779168007062
7633098087	2.81756739316287	2.21970098765307	3.06669826015588	3.30676204022651	2.58839650663853	3.34121682762394
3585000075	1.388848726937	1.19652742795839	2.20610564347587	1.71066028744591	2.04978154750079	2.06849518445529
5228247784	2.99847143741821	3.5881364135824	3.44988959670021	3.08086533169242	3.15430639230778	3.2671745138989
5393960086	2.15640980469795	1.64779094491247	2.4006671278873	1.47261635483926	2.18063655678572	1.39201651607157
0205275196	5.05914905839175	5.13424255242463	4.80457131082067	4.75748501827539	4.62601958897614	4.6793255832223
9795078968	3.25830130038382	3.43423233610987	4.06882450085428	3.80359461851317	4.12280094933948	3.52777857124756
0027813007	1.87279934616626	3.60249862867641	2.56117817882392	3.21357504322793	3.60873521178724	3.59882722913872
3585056156	2.53410642746774	2.88470850881864	2.50562305659074	2.4270677084355	2.41555210158818	2.70035883962039
5402639818	1.75506504891964	1.97188124128974	1.89441262895583	1.57998852229892	1.36006159428195	1.71825007442372

SM1677021_Treat	GSE68607_GSM1677022_Treat	GSE68607_GSM1677023_Treat	GSE68607_GSM1677024_Treat	GSE68607_GSM1677025_Treat	GSE68607_GSM1677026_Treat	GSE68607_GSM1677027_Treat
1535483861	2.68301869827209	2.6735113815314	2.89889790504361	3.3500623281225	3.06320590752797	2.63680455447599
1970156597	2.92659701927403	2.97308445613909	3.04876566109656	2.8302537452047	2.84985969672945	2.75044710830142
0251678799	1.63317396675976	1.5445612423059	2.00898057074087	2.15172130823697	1.83711346687697	2.71207319722562
2385777183	4.20407124028326	3.98546005452109	4.21278371926237	3.5964829471757	3.75115545398703	3.4069839558322
7537925893	3.60839073567527	3.27345223142784	3.34670174489289	3.23098327338983	3.28522167952399	3.05425684027014
5076047884	1.91832849312642	2.43209516945954	1.0485271769082	2.37354108219962	2.23042479832067	2.67197342313622
7972011723	2.79365723458923	3.13969117244087	3.19496378705119	4.032650387337	3.34625715302016	3.57536965465326
3123693701	2.31327702615882	2.01220693850166	1.92770980503118	1.67268814704556	1.99464290585841	1.39510428461288
8480935685	2.23799643252536	2.66795512660637	3.15216535109285	2.45539872499168	3.17219506142137	3.08073953350782
2500836522	1.22867687002811	1.46073606981785	1.73083390088411	1.7813423379012	1.36627989430006	1.92844513425745
1270014064	1.89954879919975	1.45815898242474	1.61566574060794	1.41820014287532	1.83841887602954	1.4062971904186
6795433238	2.32344208433278	1.83414588643283	1.86994268936542	1.44671983144821	1.86388308216799	1.75534188443203
4602849258	2.66446467751464	2.91732832113325	2.81469390516995	3.24343197988384	3.4314646981101	3.3064118435214
9604149413	2.79287248185316	2.65045452389703	2.89589185764407	2.84110932519766	2.4413312864095	2.42580001636436
2465733941	2.79718060858454	2.80074297478733	-0.68343285418515	3.27738984106918	-0.67283126262896	-0.862960634793057
1259530478	0.887410452867171	2.07212293703953	1.75692564223318	2.52580040490038	1.49861576143646	1.9138911785288
5291411691	2.40891685902247	2.41098296542662	2.41509549560294	2.30976837513141	2.3263482525578	2.22868860708197
8803325048	1.80017060540725	1.64378594777913	1.67305977220142	1.84208879469913	2.0071356650341	2.43741668926863
2852232917	3.37712387730153	3.52435663324618	3.41433039194892	3.27599496993088	3.87957329124396	3.72527693666832
6358697538	1.52217141690963	1.40540184634317	1.95780316808875	1.8234562297027	1.97674281099051	2.38805932177311
0598010573	1.76348099273253	1.59515878766691	2.36764561211445	2.21106055409491	1.38074390360089	1.97863014951385
3632540191	1.31421893794672	0.415918574362048	0.602880841130915	1.16208122277492	0.264851330990896	0.715309019240823
2534984115	3.49729418211984	3.70331427429979	4.08600915791585	3.52431923336742	3.89865366736077	3.60139612604209
4748006217	0.303638651700381	1.56599702407467	1.02557983168734	0.964199478891905	1.99923709524126	1.18415823020371
9930488224	1.93096392124104	1.48342471494458	2.81459163749545	1.98019270589162	2.56961718320778	2.41289619361468
3976642388	2.62675345410637	2.26959906591729	2.16874515339252	1.83779315176902	1.55096751249797	2.74203474753798
4487079014	1.02238327580193	1.51317687917255	2.03281579530777	1.46465558441793	1.86790399047636	1.21902160574781
5762018398	2.21973572438856	2.479881505433	1.59184765575713	2.08578061764077	2.33485750880646	2.55282780221405

SM1677021_Treat	GSE68607_GSM1677022_Treat	GSE68607_GSM1677023_Treat	GSE68607_GSM1677024_Treat	GSE68607_GSM1677025_Treat	GSE68607_GSM1677026_Treat	GSE68607_GSM1677027_Treat
09216592851	1.86249069731051	2.12590298846329	2.29737929437066	1.89057799184286	2.13023360599498	1.8148586370184
8966178828	0.620576980269577	1.95012019705194	0.746591986213258	0.449257196737004	1.50557775428883	2.10100010012865
5103307149	2.39083693881367	2.46216860000688	2.28532549769252	0.402247396905211	2.33974012224647	2.49324781261918
5723599141	2.2297438098829	1.62076194342041	2.19845766448646	3.26508649740069	3.06958421794819	3.48233074477668
7204206881	2.22336685146737	3.05069199438404	3.3965240064219	2.04219850591409	3.19560081387812	3.09900966801894
0444768724	2.21229058536036	2.10203858040606	3.65862122743854	3.69119340425211	3.90921390463114	3.86627795444908
7045231814	1.74932447140302	1.73789045764844	1.52219973524878	2.15685096176258	2.42835186100788	0.0369270815011327
0014480149	2.35936441899858	2.87571694752439	2.52486674148787	2.50594261413017	2.70424642251166	3.06318061380099
783561507	2.02963096697131	2.27448544365675	1.83824551015698	2.06997636591382	2.32287643677193	1.98267766463816
9329198533	3.20166317916556	3.8281959511532	2.97238758399135	3.97284028491	3.70224323935942	4.06352625340708
8220005032	2.06689600469721	1.47605200137094	2.31119297181129	1.53604550436507	1.42409023432043	1.94004612156008
0793948136	3.21167433047052	2.18444095835509	1.52476350959883	1.90084270248588	2.95909235972909	2.14721651298013
8358834637	2.67000400906166	1.85650017240729	0.856844716291487	2.69306926236747	2.2916603500427	3.23851060996864
2692025974	2.23057763126005	1.74872530662424	2.92899435990672	1.13450159273816	2.02877176011665	1.3370076987303
8718621381	2.29335313868503	2.90592395992888	2.37668914838702	2.41044851604853	2.46431126401324	3.43204076921333
6014486057	2.44057859084689	2.41447141630203	2.48551664827331	2.1618851014056	-0.237274095438861	2.15682787621541
7822960972	1.56989203294196	1.38136829995434	1.33394707794424	0.299119646205425	1.06556871600804	0.951127136796305
1311844854	3.43741411643215	3.28507374501764	3.2645858098686	3.33990104687128	3.07980409061647	3.06735937724701
2118458474	2.23173220329908	1.9594689351692	2.42766524544521	1.4890540596606	1.48443359481984	2.54232659493642
3514349582	2.9910524127397	3.16226350570529	2.9711467867668	3.68691451373558	3.26119849878347	3.67997816089363
9905007387	1.61572853949223	2.61962202852104	2.87326508455012	3.44956656804565	3.92040446845357	3.71200109007934
2056604327	0.755777254741376	1.65335361527827	0.32829271316057	1.09405317497284	0.976846747120861	1.82894149181465
34382123589	0.637768795160511	0.837384925848844	2.02005513464677	1.23888060942841	1.92896552527232	1.19605101660748
25469990415	0.0916298917035306	0.264136224156839	0.234706743790317	0.0345660222602361	-0.0654841183060351	0.132865410272059
1439773322	3.47724462365637	3.17851590156506	3.16410169350624	3.36507155946127	3.11148716747007	3.0084246452984
5854134111	1.74646219218748	1.11167247618232	1.72268950505139	1.00163402312149	0.888289048947911	0.919503581893041
6107540067	3.59493004331881	3.50873183148801	3.23329662636541	3.1616684238445	3.48502339959036	3.28701947489158
2769453963	5.62949139278939	5.89952026553214	5.94670671817969	5.89952026553214	5.99827087656845	5.57014277544884

SM1677021_Treat	GSE68607_GSM1677022_Treat	GSE68607_GSM1677023_Treat	GSE68607_GSM1677024_Treat	GSE68607_GSM1677025_Treat	GSE68607_GSM1677026_Treat	GSE68607_GSM1677027_Treat
9437787663	3.35464384195103	3.2306077517455	3.34035808658407	3.18549549992109	2.9987455414865	3.21275344199842
7013269486	1.87237035614827	1.40615997389045	2.17906428599898	1.25608577649305	1.59032894175513	1.79603000730576
298069186	2.00278035757012	2.55842221345039	1.91696333733316	1.68739158651316	2.31479278861923	2.75090114630948
9076726448	1.84271341857696	1.28614670011205	1.58689730778947	0.781560419722899	1.61165010124071	1.56613626283058
21746004674	1.56917353143588	1.80986837447811	2.58503500660262	1.32285672193889	1.46842124963995	2.46888601189248
6282661919	2.53011599229422	2.53168312435257	1.80113053671695	3.31254948505577	2.47922067322573	3.38259259614462
3153020057	2.87670924617604	2.22010386741311	1.73184920567551	1.62264338268209	1.50610030807948	1.45887558160944
5088901668	3.11636292919734	3.0560260513053	2.99655853233246	1.30445565557366	1.31337569789137	3.53730160600786
9633503634	2.63611756022413	2.90591823852566	2.7449443696852	2.75914229852095	2.84476003606803	3.13735576065448
7237797144	4.36513642565552	4.42076585597666	4.12531182185312	4.1343918086182	3.94327583920218	4.07588677566881
14404221872	1.36484220224476	1.98552823857112	1.80207396472355	1.26365116739045	1.46219048033629	1.09367217032153
72536270584	0.379606845679032	1.30954952843069	0.369125907123407	0.971413623953041	2.22519809568219	1.63438863194231
5517036945	1.44796139596268	1.75940771860742	2.17106038181484	1.27702886711256	1.82294950240981	1.60411385563215
6012847301	2.03200419811937	3.24659133269322	2.81552999906597	2.664722727589	3.7007010617661	2.08220437665021
5745560659	1.7801246990783	2.94552216437617	1.82740299746344	3.05448919571194	0.560665653696186	0.555261865792634
4165870436	4.38988055513338	4.30254719802662	4.41273477133062	4.29577489639847	4.02402810216835	4.05812328855737
3777722221	2.20813335625014	1.95755779107339	2.30829654811688	2.70798256268669	2.61734937588908	2.77026675851983
92047943394	0.659366004557574	1.36823995134258	-0.136335094287402	2.14642718194137	2.90816641586319	2.6424695157981
55626761001	0.236598037509271	-0.0181060330468334	0.47308218363204	-0.026332090155349	-0.0326719241058778	0.165146389079574
6830627046	3.15864167146193	2.92554321789927	3.05222978468596	2.94787671393528	2.95832073674266	2.80853834349057
6715127726	2.72674483856887	2.65676904124831	3.09085767942573	3.15950011967328	2.66954037822081	3.18341344169422
7260841818	2.69630137340715	2.72149873226019	3.34324620846964	3.04740040643692	2.06667375644224	2.8355629312082
3142448201	0.997993676906225	1.62289507864037	2.39463943089842	1.65169072613183	0.795172299792029	1.87971549154949
7392537448	2.63647013021521	2.56509580248672	2.6306532154805	2.49803414555223	2.52380067422871	2.20867277943531
4969655406	0.471085941949278	1.23686050937006	2.64472349853848	0.876290310499027	2.47443435358346	1.82391250480791
8158835156	1.7920004552909	1.96003285956629	2.00705962073639	2.52568248329016	2.01324632360871	2.94489179912567
2834314792	2.48603181329951	2.48090698826578	1.94185564840563	2.8310031154904	1.54358309780884	2.04070373097213
1871894289	1.11086555651708	1.94133342330786	1.32145086489005	1.73861039151724	1.50172222501385	1.74411150256394

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3084987415	2.09190960742498	2.48139623922866	2.36733491075794	2.14876031434361	1.93032746130712	1.84045275243444
0347692978	3.31842155710684	3.5820092131951	2.1570801458645	2.95547361577256	3.24083510288338	3.53182919204129
8328949073	3.41119171624458	2.44556581953676	3.01935606487196	3.30155781130639	3.51855691604112	3.18425622648341
3337308687	2.4662802547817	2.8767708793844	2.08543834962262	2.94826190283445	3.14277036398169	3.98726907236607
3252305564	3.53040214693106	3.81205839543133	2.47081797000689	3.30968277152428	3.40871158494299	3.56400237606304
7178864633	1.67961754218863	1.31763074839166	1.96992799816037	1.71709020933234	1.25635981988658	1.54807746302938
2625567868	3.47875022882465	3.46551431174283	3.39944574858808	3.18146515304012	3.17617280046343	3.18807797850687
6546093295	3.56353385690781	3.61798282568083	4.16156567361521	2.75540762618463	3.78881141027865	3.45227260307936
9408822051	-1.78690455839267	-1.29138950662449	-1.29138950662449	-1.36377410918677	-1.5529037613996	-1.36377410918677
3325309374	0.525281250505616	1.86586182256101	1.27319252184677	1.72972822371631	1.47650560320217	1.76838014446666
8531229828	3.47269340287187	3.7862602563215	3.20987466627771	3.423751158112	2.04289544641239	3.37242199389835
1654361629	3.57919234704631	4.16000631334191	3.16824717537896	3.85188026324523	3.72869042713933	3.73696778541984
2017182251	3.07783816800427	2.90077143328001	2.83248444985852	2.79389672955952	2.75461628179639	2.49501144472992
9970784576	3.0725110475671	2.48959347723077	1.84539313049531	3.23108864317743	2.74142017466771	3.55445362936035
5798320397	2.20199627960413	2.07831862502814	2.03179691238521	2.03157029615001	1.88512557513117	2.05909525757859
1313883283	2.87560687293316	3.25342312188915	3.08014216554214	2.99075356658012	3.40782469723321	3.34836356148823
2605808072	-0.119661203524887	1.24427825872159	0.788132899574815	0.289305415641699	1.05611739515633	0.972441259320237
6356331514	2.63598497034757	2.19378374563053	2.08804217270162	2.62018351349093	2.91619437195835	2.8976185830142
9307660284	1.40521059015352	1.13089551482807	0.709781969446744	2.09124856419967	0.999472835311523	0.835072843864912
4718029424	3.07344922010479	3.2298770075979	3.539631701848	3.42251242030383	3.13546259430213	3.38261924981553
6107543469	2.85383090403462	2.62597284549478	2.77335558779167	2.73043481783296	2.62709691704818	2.46996404956992
9341539905	3.61989169321925	4.02690620247546	2.44658884660334	3.68612315715151	3.98879340559982	3.5291694947181
39388959715	0.51637070335512	0.600817599763484	0.676201999742032	0.559091587326688	0.896440352808306	1.05542683115909
6028581132	1.31932257868925	0.811243662773737	1.50815463011567	1.06262467506809	1.11050920947702	1.0766160732101
9540523799	2.94741344987641	2.99274771548916	2.97857563934569	3.18061847407081	3.12238821633396	3.44028703292007
7389340272	2.00049626430323	2.16736155590727	1.96981635089875	0.258084128753798	1.85020910891458	0.847475277770502
2656726709	2.49775155829794	2.11151480268688	2.3878428190937	2.19803064758414	1.6758523322149	1.31690097511836
9104649273	3.11519897166195	3.39070883883646	3.32134103570979	3.37209812912906	3.38007040489083	3.92207615798361

SM1677021_Treat	GSE68607_GSM1677022_Treat	GSE68607_GSM1677023_Treat	GSE68607_GSM1677024_Treat	GSE68607_GSM1677025_Treat	GSE68607_GSM1677026_Treat	GSE68607_GSM1677027_Treat
3603460885	1.76139343821661	1.65964072275533	1.96641075858664	2.36739122750683	2.0876539354881	1.73858755391482
0406631107	3.09667911025099	2.45401177630063	2.58662169727317	2.72307047421413	2.57183013890353	3.32521719034786
5677820217	2.25603655831528	1.81081590622705	2.66313520433225	2.02110959173185	2.79125333682879	2.9116038554792
4668212763	-0.585677220887172	0.835292396905136	0.0807502009149228	-0.0991131424846959	1.73124992816714	1.58327733571389
3702033379	1.41660223838073	1.21887096194502	1.92284218441898	1.69184642492864	2.19165387618554	1.91266187921278
6157910703	1.93985646183106	3.10774312434421	1.92506061083492	2.97876703758671	2.99074788579466	3.47398099573284
8288589083	1.97609805908303	2.06485087253092	1.80741028143212	1.72976387169546	1.83911330674046	1.72275435534238
0247520774	3.10559282442161	3.40951247977855	3.30418875859002	3.51522416941474	4.01755690964565	3.1418038765964
3726733295	2.73636226269009	2.9661079553346	2.15791766776791	3.25778792657623	3.39105978210719	2.92910609734148
0920415428	2.10463938210638	1.87888627916045	2.6557594146813	2.75897371230902	1.83525265749774	2.51776633159422
3639324525	3.87075174722946	4.0200395269783	2.41852492955598	3.69217073347623	3.71455469572219	2.51092557911659
2819993625	4.2886838345677	4.29148065938094	4.18011307918618	3.97806424254254	3.91396722040298	3.92649979287704
0841489301	3.06407179312273	3.31699456156154	3.12575140575023	3.38613133357735	3.43415763745258	3.33068273540195
3355452763	1.56491758367542	2.82538494980438	2.88182556589494	3.06914704699415	3.07027576933004	3.09628787405853
3154215589	2.48561467359108	2.78890080348765	2.33180004413114	1.56599866155252	2.11537294833909	1.65080137842981
63797020546	0.69336779979278	0.262849745990906	-0.352502597450259	0.15163397656362	0.176012642014901	-0.610763897065668
3310376977	1.6034199998903	0.950501463745684	0.646643221184519	0.837207394359831	1.30706822520285	1.53015767746671
4954884887	1.06288319161985	1.88858247757646	1.9419794762956	1.25860048197733	1.51318738909631	1.02977880092459
2179046965	0.435415103626298	1.48945296091273	1.2048582930199	1.88377471447767	1.04472384344044	2.07656500886243
7589656983	3.20207949905507	2.77719661408122	2.87467779000393	2.70037442387168	3.64829162328564	3.54180220654355
6207983804	3.05822276379642	2.80409184536653	2.57774792827312	1.59180181020428	2.84893498096381	2.5941916190303
7265655429	6.16349308268833	5.81881984409591	5.48810542400601	5.40948117564409	5.66478179133728	5.55719527637685
9084216572	2.4059686924893	2.24050637943399	2.45407135502364	2.2516802218839	2.14536734645188	2.0981262456258
8174129828	2.51419534656645	1.97398308230812	2.64833627436402	1.79957284705579	2.14717514956717	2.48556080173924
1105516391	1.37823943552646	0.824736320763592	1.43189872055835	0.763230917554883	0.777928798452675	0.530913606285766
3028935866	2.19655172939567	2.16661082230623	1.76231312700221	2.933979437558	2.44053076358368	1.97461383923703
89252378931	0.72685081734827	0.300801025740524	1.38374142352373	1.38191826717774	1.4418377687626	1.06037205938352
2070556044	0.935645636687683	1.33440239765074	1.84157092930703	1.70910606998344	1.73030000989691	0.402266808752973

SM1677021_Treat	GSE68607_GSM1677022_Treat	GSE68607_GSM1677023_Treat	GSE68607_GSM1677024_Treat	GSE68607_GSM1677025_Treat	GSE68607_GSM1677026_Treat	GSE68607_GSM1677027_Treat
8360272426	2.19350139054258	3.24253394184312	0.929814711818733	2.60756007871618	1.44879281688543	2.33651354421561
4265208426	2.90841618169725	2.85158984693377	2.60078792262849	2.77847496334529	2.78653129701795	2.59772675786945
3928455985	-0.803741740366259	-0.892361074936117	-0.527816726139777	-1.24519030182878	-1.48390471870958	-1.17833928455985
90960030978	0.718439880926963	1.23465021044513	1.42737751124815	1.22068607111231	0.607576656417713	0.97500798553376
1429358351	3.35077751739952	3.39250865871154	3.28425583973664	3.50100278964381	3.05713623044627	3.23539597751804
3464281613	0.693347735873033	1.37283352024709	1.43161860302884	2.03745769326937	1.85166302710074	2.76864394208973
9385039134	1.88546048248344	1.79653208365759	2.10523765261354	1.55112704851669	1.71217102454711	1.71984627768022
4874494053	2.11079421212993	2.03751213640143	2.17797663534492	2.30619299248618	1.97607829981822	2.36763678570042
1149563122	0.232543126106295	0.729691665507154	1.57925793155489	2.11841569688753	1.94093548622642	1.61031979821772
7457114279	3.90949815541158	4.25457248009766	3.61976625303995	4.4667283397286	4.3807123539565	4.07649021009991
0330616615	1.82434266729683	1.66383634502769	1.45734586445257	2.20957766918095	1.64780337493249	2.88696534011094
4395798001	1.76092417507783	2.12115806963882	2.81101766400094	3.04968757809174	3.1938095688886	2.92344080848371
1934718186	3.49974111461873	3.28029157921376	3.31101429510921	3.41878563737907	3.55156988103466	3.20424626534633
5528246319	1.88799359616029	1.46516766730161	1.39490017782252	1.0120863136284	1.77751142520173	2.16431146631151
0704095332	1.96097417026352	1.80352753077183	1.55494528887096	1.35561023854498	1.32882046205557	1.8327981537367
1118790355	4.46002834103513	4.11318753140121	4.38651114138477	4.3666810360058	4.47138099322091	4.49498029465428
6570746942	0.840735849216687	1.71280993774875	1.08920352177059	0.664192757008845	1.52941975408249	1.46944524496687
6519517233	5.1785671277572	5.56682430413927	5.42092939811754	4.37096878418362	5.53527974024818	4.80075176124498
1265633873	1.58722551757567	1.99111736800814	1.67084181022309	1.15031043917678	1.59358221955196	1.77812671695338
1217367124	5.25622291241316	4.5058596501023	5.10864559086842	5.02921297345323	5.02570044255223	5.02748283844428
7038790826	1.7091924976576	1.88749795827833	1.76537501233766	0.992290646878659	0.494326856922539	1.66903260148534
1217515051	2.55308098874601	3.36302976215499	2.73269813199035	2.42870463133428	2.9196304895553	3.18255913075486
5859428823	3.64071748886678	3.67349226781817	3.36647157670628	3.52431423000943	3.63380091748908	3.92791634769521
0435392714	2.61677563278752	2.95877224290658	3.14503077094265	2.70186960928947	2.7779832365027	2.64457467470699
5003561494	1.14704614439511	2.97607854346049	1.3924970612466	3.08420473102464	1.2301570825255	3.18727867829955
2228995966	2.56516468540839	2.66706390941996	2.65523779065841	2.56346729126185	2.32842915564575	2.32242529410898
1132507783	3.71528045502725	3.46638085777146	3.73909982375223	3.64061724329134	3.71799162704286	3.800533499698
4368753361	1.55839332079157	2.26565314708316	1.61558819418485	2.37134949431759	1.89361163638496	2.87338854311962

SM1677021_Treat	GSE68607_GSM1677022_Treat	GSE68607_GSM1677023_Treat	GSE68607_GSM1677024_Treat	GSE68607_GSM1677025_Treat	GSE68607_GSM1677026_Treat	GSE68607_GSM1677027_Treat
3011541732	2.86869810662763	2.67119516359293	3.50886075236334	3.35176269766776	3.47893906747698	3.42836665330262
9833590498	1.15855818081299	1.41281039606074	1.20382867330428	1.1516923195915	1.23766540384904	0.600168118118679
3626701632	2.22472465718687	1.8874058003536	2.3906997082195	1.81775921782396	2.11598040593553	2.04733790919964
9041763384	3.65578057807368	3.58148294606354	3.37232390920837	3.5372729097378	2.98304843015441	3.18013795078422
5623456643	1.48124549223693	1.1821841978818	2.3158215378636	1.14727684488331	1.53972619154511	1.08570279323852
9614121276	3.75102826143651	3.70385855583817	3.3262072378464	3.425380230309	3.31665543969092	3.73940091656837
9103886231	1.45076228806944	1.38404161771326	2.06744437683345	1.60026576951913	1.54250886053391	1.41270294103497
6907621497	2.22486144105688	2.24517390427516	2.32003092295684	1.68233219529341	2.38324273045618	1.88364939143585
8236791832	2.46692900002314	2.33666122224207	3.24060964217882	3.38887523021976	2.08361693477836	3.25756038275725
1992375269	0.952116244707094	1.18362117780731	0.731991351665662	2.66433320750538	2.25042834025771	2.63467663054054
7714616063	2.85754451311145	2.9964861007504	2.06400448342481	1.94969761790588	2.09195806311352	2.79412617701555
9899251406	4.56648827255294	4.70282966796706	3.18942185158976	4.17706520908126	3.36679910920153	4.39409781441121
5115570291	1.85272064073064	2.63248304639283	1.28575705277093	1.89226770925877	2.15782537441055	2.41459844208528
45401183242	1.55877630187753	1.23351335241934	1.96300104062618	1.24831777667193	1.03606209944095	1.19375742604979
4169670994	3.39758572201226	3.83464895965695	3.19871927796137	4.5274988228285	3.52557057073303	4.27470900567495
8757032367	1.46826031861517	1.65456049959872	2.32519529411427	1.59932465871975	2.77125277872641	2.57024920504857
64626502229	0.528365526664753	0.386173357225626	1.06131128415582	1.84064601076042	1.41690283839453	0.271185892170647
1399712567	3.62904789719682	3.72818418919127	3.20276207158622	3.53960918472136	3.43175751211881	3.79526525574997
4866534931	2.13339832200131	1.92740627230498	3.26645435224937	1.79044546861125	2.19002158998023	1.56977166569601
5548737796	2.11339210278084	2.63064211514667	1.71919886021329	1.23764914382588	2.07333939205846	1.27297427461945
8335968724	3.7477630234701	3.51853817134937	3.13294626188505	3.21750797634292	3.19603034420259	3.20907257361984
1973754755	1.739647241825	1.67399654049539	1.52042383604114	1.6712126198851	1.32861304473717	1.32773109043665
9863391999	4.17844374173296	4.62112142331236	4.31036037089723	4.00663188820166	4.800406063162	4.08673595341208
58289461698	1.68124387702525	0.858258131962784	0.787600235698779	1.0120868107586	0.756602570252421	0.772804519054955
9670122402	2.07708440611404	1.8038956153619	1.50548634233796	2.22799001496971	2.07804659089272	2.90529304004127
2268046942	2.88853428293609	2.89804922947249	2.84413940877109	2.32118618529413	1.38957373115483	2.80731036395282
4322626704	1.96994333261423	2.84160194744133	3.22257470716731	3.04158119039268	3.46700456442832	3.82991295625401
7338002501	3.2648439374099	3.08293257285942	3.37216676908227	3.3337239790426	3.18236771731653	2.62136421513565

SM1677021_Treat	GSE68607_GSM1677022_Treat	GSE68607_GSM1677023_Treat	GSE68607_GSM1677024_Treat	GSE68607_GSM1677025_Treat	GSE68607_GSM1677026_Treat	GSE68607_GSM1677027_Treat
5211158092	3.97920536118772	3.74820101481924	3.66563691666189	3.60254283101909	3.76815630227624	3.80813625440851
9381237612	2.04443492059213	2.22373219832923	2.39840538190234	1.93985818773444	2.53604750734266	2.25928807288493
9468269484	4.43633962202446	3.94327997015603	4.13150947037652	4.22842855018641	4.4501248145983	4.55550597449365
47001865435	0.822830379028351	0.866828744221556	0.535153226392031	0.481081590624674	0.468505610228148	0.450767698086625
4487159756	1.88547126387232	1.43914544805323	2.06858958853168	1.75235435131263	0.505752459224669	1.79818540517651
6583492717	1.87440380934329	2.18604813876913	1.65116883793995	2.30671206242446	2.03815779043488	2.35303783444574
1707705448	0.742390979600746	0.235185194952483	1.53304874147962	1.992284592215	2.62899538376988	1.68761900483639
7760560598	1.28225112698374	1.78666770037709	0.730110584533968	0.0071310188633636	1.04691478424363	0.702267421485811
4906977977	4.4998380428493	4.46160069111218	4.42149093508744	4.2934045281792	4.41242043388146	4.32964562331795
0047167317	3.09209661527874	3.06546749300797	3.87413711139274	3.55505750601465	3.75106688629962	3.54440677057165
7385854392	1.78989823988166	2.28396172576625	1.90892904414762	1.99994649278042	1.79460784571264	2.24981012348209
8926623697	1.06766296397408	0.836741341316646	1.46245040379848	1.87053674045309	1.37431840163181	1.21612502907501
7591755949	3.202845681297	2.98930675540609	3.42169618879655	3.67310531338696	3.64672374955788	3.9046265927631
5076725016	2.88582901095081	2.87747164671386	3.01954704386085	2.83193248987014	2.69642374361556	2.95360411085401
0998975152	2.3778155896339	2.53146736167493	1.86587179342575	2.565161980372	2.79131479439995	2.9669030562331
8804690945	1.84714365243818	2.36778189469688	2.20784422365436	2.1477123824081	2.16325515023187	2.7418845946244
43924534375	-0.0826072241333782	-0.401521531941699	0.242637544824088	-0.6498873017266	0.439160888300375	-0.0485017851904571
7838345152	1.95094353107529	1.10836295770685	1.55247232288469	0.842957896846168	1.18539577970006	1.66091511343332
73899272471	1.19213407894949	1.9768623587109	1.87706570856993	0.896338769052324	0.925908162113137	1.08472275335565
0340657203	1.42400427813596	1.6676941754573	2.19886492903894	1.27160489016917	2.05030732127926	3.00200912689059
2206372424	3.17085199691614	3.15877444438308	2.1266096719525	2.5438265042951	2.36414212768114	1.80808168176718
9709870872	2.70301545382668	2.89609726799507	2.75815208837533	2.47565725429026	2.45016661416432	3.36309907054298
2860119139	4.22994283764556	3.9899152192432	4.16416429771628	3.88101935862845	4.2727023921833	4.06083594402683
7564060691	3.50622821079588	3.43138040626832	3.4362789284	3.43241042999294	3.66663654453393	2.58156263047925
8175483376	2.19801055904052	1.82583319014654	2.4048130575373	1.73293114854913	1.52977023870079	1.45646261857065
2277277891	1.68575910754582	2.4272361237158	1.91935369956232	1.848479043563	1.9195723477017	2.32964290924173
3459651509	1.04553929592596	1.9808664017817	1.41267487584302	2.04119580278039	2.56110959496775	2.25580555648221
6332724265	2.80137452485511	2.7928055401963	2.66543203385962	2.19490277464069	2.82018188742236	2.57250261117003

SM1677021_Treat	GSE68607_GSM1677022_Treat	GSE68607_GSM1677023_Treat	GSE68607_GSM1677024_Treat	GSE68607_GSM1677025_Treat	GSE68607_GSM1677026_Treat	GSE68607_GSM1677027_Treat
1547083932	1.50021196942209	1.61835884007404	1.82161853738959	1.12212820770688	1.40515212351042	1.3630703218285
7854572184	4.19080747359008	4.21063901687892	3.76520023376369	3.92145398693977	3.95274644555065	3.77506447987918
2766638638	3.6029865705767	3.64408530109623	3.35192391222377	3.15290577634585	3.15225876705882	3.18552559816235
1991416262	2.89595340290089	3.04863243874486	2.81222512451156	2.94752239064678	2.95172310506002	2.69884018604798
1466759147	1.3824073609888	1.30728147239171	1.2613547410952	1.80610664659344	1.51141048510852	0.924240180335973
5283151074	2.84422777633212	2.88113277186635	1.42439654785316	2.95504212051902	3.01682791749303	1.76854599636045
6549652913	1.48859319765491	0.759925310497354	2.45931242551704	1.5306004844379	2.41253542348361	2.42886751660098
0391226305	2.6954391752044	2.31157830727157	2.54323125387436	0.429112777453841	2.23478008470542	2.18191265268633
8990687564	2.70171285506441	2.54879512373714	2.38138141011033	3.17653440634993	2.82474753991136	3.31207006521712
1593466091	3.11335675020724	2.86112946972043	2.77229828282539	2.56859167447345	2.67434397257224	1.6891182487165
13785469697	0.329780380738909	0.363679158263976	-0.139567829077971	-0.275179801274389	-0.553028083233149	1.02587881442759
8216740118	4.38818207270579	3.66503203401322	4.0378252530843	3.82437358179631	4.25100132251689	4.11428455718202
5091716526	2.34461876866634	2.13254369888084	-0.230844147487299	-0.19807336660799	1.82155709966216	2.22566737182409
0663778382	3.10677372219136	-0.0794623439923798	3.16970096845492	1.27410165112686	0.423786789452494	2.93978612758274
4361685947	1.63233874968172	0.83608084638327	0.348581430541308	1.8299212189279	1.47459349934587	2.03209241674526
4464931491	1.69422537170665	2.72635086431861	1.63435316588513	2.26630370574145	2.03770400970409	1.32967996615762
1816619273	4.11238394305318	4.00692590781067	4.0861991879127	3.85655257260227	3.86268900484438	3.88095240484529
2516255968	4.73441822202637	4.75950236573827	4.6030372743174	4.8343873053782	4.81060491226558	4.69777147128911
7143019266	1.46699060269969	1.25914434985591	1.85379142066101	2.12943354284177	1.9641934670292	1.54571457324899
4519712737	3.92402067197493	3.68668025066923	3.66703656731624	3.47586338111586	3.36589264013189	3.36001309231184
0612491844	3.55662288895993	4.2334290235692	3.27203563565741	3.51113667691322	3.45663049292535	3.59837274037561
0009991226	2.49614655319162	2.15615728501535	2.34442345289582	2.37136525218204	2.15119075763624	2.08047645724974
7008909837	1.66397306077277	2.86272671730774	2.18688802941382	2.22929643578757	2.26355541693122	2.86170705851127
1409120364	2.9476453371083	2.1743641026226	3.76863804724456	3.51426790653929	3.96645045382781	3.66953146708046
35897440811	0.741656739814335	0.988592619166219	-0.0355295798590302	0.490395254060326	0.654717101122589	0.750763441527174
2003100478	2.88759923408344	2.24717171912843	2.95696436843016	0.980916598925612	3.01131798181374	2.57836232936407
4140099377	3.05468125249011	2.26859415059819	3.32878865706284	2.99380030999415	3.3868107251422	3.5276983147365
1620984971	3.33040215266671	2.55610896211249	2.6156497807606	3.4509011607951	3.47986082156562	3.58131881983576

SM1677021_Treat	GSE68607_GSM1677022_Treat	GSE68607_GSM1677023_Treat	GSE68607_GSM1677024_Treat	GSE68607_GSM1677025_Treat	GSE68607_GSM1677026_Treat	GSE68607_GSM1677027_Treat
0855337108	1.67504769519874	2.40033866646601	2.18318195972763	2.43348057433217	2.28348853982237	2.30188615486025
7142024533	2.33197885003685	2.48082233529618	2.33533910420595	1.81397082472777	2.53224725624892	2.33129303897263
5880109317	3.09194553600729	3.25413305489034	3.33705625912587	3.12525606424128	2.87965840316616	3.03995927536607
3461394753	3.06121124895477	4.22592672232165	2.30490903361239	4.6532035183334	3.71118150891685	4.2628717379187
34862781777	0.819362258449926	0.874440373458525	0.99949656525173	0.260331838931031	1.34990353818826	0.210715187747273
0629230746	2.36388917316188	1.65980520834282	1.70719917847209	1.61284074958623	1.35435781459171	1.93932740305773
78281984744	0.872059808582057	0.95452987931278	0.638401076486493	1.36825107176243	1.27794824679835	1.97801184647184
3214960658	0.509851849399366	0.660838587844408	0.0334579013155385	0.308546087023065	0.973488077753067	1.07971378951814
1216575382	3.36374624649888	3.64200749225777	3.43713372287949	3.51895320429723	3.31999329067399	3.46792254835146
4755723116	2.1271317867454	1.89637919323592	2.3472946226837	2.15516001338286	2.06526008303616	1.86337051768172
5038632515	3.20303192365817	3.3345176054356	3.09822157174924	3.05172229320637	2.89424035046724	2.87648737591281
5307561769	3.54483966064132	3.55999016610081	3.43551181201449	3.51814997282503	3.32282759867243	3.46965448731495
6964643312	1.33004674154235	1.69012477356886	2.74737300892806	2.36612029936283	3.06440007483265	1.85354826826697
9144865928	0.816257575346063	1.79009988961714	0.154692597301959	1.31454283462371	2.72022302558345	0.955258368841053
9196720643	1.12045758227977	0.583166144662594	1.8527383853201	0.723435907911327	0.438892036996702	1.8509699010602
54927650222	-0.710709372322958	-0.564722160083544	-0.680020366730767	-1.09124396949687	-1.03590477436214	-1.14755221420724
2852487618	2.61126370623151	1.83908137508869	2.16713474340249	2.47721652261631	1.93008289549008	2.06269933991397
1895275244	1.58258981245913	1.37719251158174	1.6616889503419	2.55698754419113	1.64741349413125	2.44920479453686
5049149829	4.86095992905353	4.33943654323276	4.12974679677515	4.4500222543228	4.18588750065821	4.56050567637961
7352799361	2.21013385268505	1.89365112566698	2.49143632250273	1.4506557280048	1.30188000911751	2.08139714255991
1863270995	1.84006830955916	1.78569135126566	2.40461361421057	1.74083240404655	1.56327453043469	1.6167166008138
1396002763	2.03045826698495	2.45750818411446	3.23224948303393	2.28763882898374	3.67495566145354	2.40455522775448
5982463215	3.52867704496727	2.63963553289419	3.31497608127678	3.25422019766777	3.80436286028224	3.98508987813272
4079862723	2.33096918713801	2.27004206458696	2.14965602189765	2.09566453837966	1.95018513041777	1.69608149378716
9667396126	1.93260467580624	2.62261410617682	2.67462865540687	3.03989126016908	2.84242719522613	2.68707459689095
5777764107	0.953916277638669	1.68438971535658	3.36832606009894	2.61442763283355	3.54794813313924	3.36702036658534
40722441389	0.564347021678687	0.478780525312898	0.969107123562289	-0.0529025450081846	0.606183303598054	1.51611859395076
3700686437	2.28363310106414	2.8651568304812	2.26067723775571	2.88245964616902	2.47058349771444	2.57246082047377

SM1677021_Treat	GSE68607_GSM1677022_Treat	GSE68607_GSM1677023_Treat	GSE68607_GSM1677024_Treat	GSE68607_GSM1677025_Treat	GSE68607_GSM1677026_Treat	GSE68607_GSM1677027_Treat
6798585737	0.869356765340088	1.16819443199556	1.27278320158471	1.39336997442507	1.55060315730572	1.36570956609799
2994576427	2.79274995469095	1.69412737110888	1.78822463641348	2.37268932812536	1.7493503244799	1.52515187078224
4578466772	3.23640544466775	2.4386476129041	2.77983937753987	2.48929858306227	1.55134219220165	2.79146021145958
4630551864	2.66197064603643	1.9653160040073	2.71345112968057	1.29363992846779	2.04996208510403	2.44569939837329
4560295466	4.11939908896358	3.7352971045433	3.12456926481601	3.73357896121711	3.4517012324082	4.06152944001879
5785644022	2.65857662662156	3.59017847831339	2.90901512319732	3.06729146803372	3.41835751310374	3.54214057198569
14987674873	0.645131299644948	0.928886129489725	0.781070989984151	0.784798248509054	0.516086652185859	0.621003548091425
9174412319	1.46944493763914	2.45320833981294	1.97394918934885	1.99306488883347	1.62725820834607	1.85978004883516
33736722591	0.998066448424359	2.31266966115255	1.32621508418773	0.95178067817906	1.59679904331583	1.13134251156429
0921545493	4.07490144905156	4.08525856784205	4.02955781462289	4.68619419373306	4.14501231118317	4.44524404121188
8914026129	2.49022033381778	2.80026943436567	2.9484896404241	2.76745004971729	2.57359475629836	2.47745673544322
3512434546	3.9473518031642	3.94013661631494	3.76296295193988	3.84040846254641	3.65952120321655	3.59504670282608
0315384115	2.3403018095206	2.70936888792388	2.34642908515264	2.00513176565879	3.22210715340918	3.24669863688503
0191965746	3.06864337599259	3.10919498918348	3.39917136728468	3.18134441093444	2.77726452485417	2.92073923333997
4471403564	3.35745748288585	3.09311317880315	1.24703056618876	2.71295279340078	2.95167807464041	2.90094136066196
9195042262	3.40707311730815	3.33405269030963	3.56789743163878	2.80852862015143	3.44481219743967	2.89842238001751
0119447612	1.95183576113187	2.6152704945005	2.39806345599948	1.67404307163633	1.76844020278699	2.27751268227405
4609365618	4.23753795907062	3.93528174920131	3.73153669171266	3.65865649070706	3.6007299646889	3.52823242298872
5986000987	3.4405592259614	3.96524931895914	4.49809091746084	4.67368356818799	4.79415277359332	3.98939351214715
58306077262	2.842005512054	2.55721402793646	2.98494257822073	2.76561939491157	2.80110214075679	-0.0110286344249271
4636991335	1.36129757782165	1.19288824247206	0.723311096827957	1.27769249891137	0.662211713738214	1.24100740790695
1824181413	3.02382448742809	2.66727844284162	2.95016974065116	2.77436393579875	2.33131311646498	2.73107876675513
3175842616	2.66933161802797	3.42225798780113	4.44339147018294	3.70578675670561	4.40003392415428	3.75108169510905
50936778117	-0.556355682846066	0.650214992332565	1.76302844533022	1.98820103423639	1.61626823458908	1.17578329557092
2644535071	4.04592293368419	4.31411761259326	4.10106309797397	4.28566154091384	4.05006091425538	3.95074762680158
2614232665	2.83127043281116	2.70695237418269	2.62795470551335	2.66859147368972	2.29416927881161	2.30764480159164
7175974541	2.01339026788814	2.52778479552978	2.2025425386323	2.6507991203578	2.63526796640939	1.48735430976495
5989903045	3.16792179490187	2.95653725250311	3.09300318333902	2.86041775944762	3.06281379983768	3.16141128389088

SM1677021_Treat	GSE68607_GSM1677022_Treat	GSE68607_GSM1677023_Treat	GSE68607_GSM1677024_Treat	GSE68607_GSM1677025_Treat	GSE68607_GSM1677026_Treat	GSE68607_GSM1677027_Treat
7278617793	1.90512553225916	1.55417251803681	1.62706911935625	1.31334820614425	0.971414069515394	1.00075701450357
5522733336	2.59646831518147	2.84237697273539	2.65154800926816	3.56715761774714	3.42697493617483	3.5369605222687
8759922252	2.61030239505945	2.34836470346533	2.8576147379532	2.9654013380888	1.92268921590805	2.75591233336239
95651217217	0.368235698020742	0.686571239329329	1.16027648825637	1.39641885286059	1.77834707197234	1.69460510854809
5540912649	2.5219090476399	2.49301712145244	2.40776571205279	2.51760973969377	2.33502220775537	2.56951870909582
1033823821	0.0451294102573969	0.374378499188279	1.56221232602829	1.23884406013631	0.206898591937845	1.67875546413586
6580295374	2.76585636570629	2.59138193845751	2.78600202094518	2.66403518605218	2.45664626090938	2.38414261238671
2920315868	2.53689512065381	1.53418094435495	2.43481232220005	1.31670829910361	1.59852861966064	1.64541628559678
9781242966	2.17848343021171	1.4821056090551	2.60573259058747	2.36179207638317	2.20348951758528	2.44981881914924
4772830608	1.97548414732261	1.71143369680294	1.40042610484824	1.59793092984605	1.39506549667822	1.34839337466771
4041291361	2.20680743388599	2.40521838813103	2.84225346352918	0.992591627104161	2.83043095300317	2.5559719726529
9778501712	2.40460799800419	2.53279180366543	2.34516147974657	2.35881287903958	2.27965763618591	1.8714422650859
9668596938	1.19722414508113	0.890332192364347	1.68792538613601	1.22273160376253	1.52359004794933	1.07930122895702
30178648687	1.54241139019331	0.715283482632313	1.24879763551266	1.32492523305247	0.670083016818069	0.469485886903075
5676382193	3.16114261356419	2.48886486866225	2.00678088840926	2.92672697800922	3.46570053418121	2.91938771208986
9647188522	2.9542052885667	2.76963691482204	2.7836958300786	2.82067546203918	2.98696533331026	2.81062457378292
8136282255	1.95618811713318	1.90823226293844	0.63088199768453	1.68107576343498	1.14324122321028	1.95787689176384
2854001847	2.89059902993721	3.36139333638418	3.69017176747305	2.88273924933366	3.74723026346881	3.25730085459967
3269418553	2.98577869230886	2.6858407052657	0.339075129789998	0.992684906626406	0.819720282352826	2.97810035766079
2690869459	2.08899402094969	2.57560634870648	1.88973978301379	2.81998027429311	3.11262271331124	3.31718326583874
1147314476	1.27794053482337	1.75986605546296	0.411981044328223	1.32377081554327	2.70868978417123	3.30753527621569
7318116348	1.12550023132446	1.7300128831311	1.57800714264164	0.451017718055036	1.37561389284975	0.513321929127038
5601579928	3.03206200928573	3.3054453326022	3.33131913579553	3.3311882626929	2.85592088481632	3.41368523017095
0723347138	3.02829701450236	2.82591144760919	2.89183491549495	2.87165399445121	2.71955909866291	2.49837095725611
9519734516	2.00523790766906	2.3873190883208	3.52729523423646	3.41295037165369	3.62706501075118	3.40644369643555
6438740303	3.78078950346117	3.32847596816146	2.29596705679849	3.57588448668708	4.05973320071494	2.58419894993547
7563106486	2.52462849118302	1.74043491134135	1.59488172140485	2.2896137330654	2.40217706470416	2.53794441114414
0601995958	3.75245217706241	3.71377648911266	3.8703015092712	3.93705640392724	4.13589330904563	4.21415135634677

SM1677021_Treat	GSE68607_GSM1677022_Treat	GSE68607_GSM1677023_Treat	GSE68607_GSM1677024_Treat	GSE68607_GSM1677025_Treat	GSE68607_GSM1677026_Treat	GSE68607_GSM1677027_Treat
51611555026	1.30381518858985	0.825750364913705	2.44400215143209	1.31823829039127	1.84982378735548	1.60852223423552
29329382872	0.132326399755295	1.23108549067993	1.4317593885171	1.20946545398659	1.49395524478997	1.35269356089376
3632361578	3.62813950219497	3.42666585836802	3.38512653863388	3.45022955281106	3.41250732363874	3.31540418399622
3048184978	1.69805814288122	1.9286385663163	0.29496274509419	2.06818531624585	2.4843271869495	2.07491944728011
3561219588	1.17659709170264	0.627849674869813	1.3535556030884	1.18324248194246	1.81116234962359	1.05635722865861
5085208515	1.4184658562956	2.56315803278936	2.57854211152947	1.42437789568209	2.59924273804228	1.43661476606907
9283328758	2.64693779689126	2.47182342252606	2.15409173485196	2.87124815403946	2.50575362064924	2.97085421115638
1453589742	0.776804338220093	1.20168941178393	0.921394211550718	1.41625993360498	2.0156490563584	1.93520111994449
8201310866	1.26619121091925	1.28581208278996	2.38375211998579	2.16524895319253	1.97241136793499	1.1249296198932
1196105344	2.80124046817373	2.70702580863108	2.23437417317869	2.30903391920954	2.51951292409501	2.88179973382214
90584517505	1.81559548296355	0.680722707183887	1.39050527916225	1.12396935022019	1.69771892124708	1.4453203703005
4053732339	2.21508562839175	1.91637860437379	1.93092677390988	1.77987898107135	1.74181474903816	1.60857737151518
4753885731	3.09195718475648	2.87069866328623	2.85147846258789	2.71138119281546	2.64759200728674	2.73192442469195
9564830732	1.65583627175243	1.92085808021203	1.97228745896295	1.94078868850744	2.4544695145445	2.236157728694
03223479137	-1.27273372991215	-1.34187294989498	-0.999488994127899	-1.74603223479137	-1.05926895124703	-1.27273372991215
0685106652	2.06591717385016	1.61743090967852	1.99380205855741	2.14260707872776	1.02476656947136	1.63669922620559
6152851315	3.18899880047455	3.31541140834868	3.02325323625854	3.16314242364181	3.32977104526144	3.21091885442501
0977700207	1.18732615844294	3.56239764517962	3.59120686963353	3.68194528140287	3.71972293955529	1.40470605268324
0478179825	2.4971982441121	2.74346423153876	2.54428080286629	2.58755147990339	2.32389682714294	2.65936454982063
0142508183	1.37877723037791	1.48301853476022	1.785743389877	1.06766421669572	2.19110419396362	1.25126861920391
7094553178	3.20868493692408	3.33051859058059	3.24861869206613	3.38090741032023	3.25460770643995	3.33986177295462
6553369485	1.63512025157114	1.99696895656818	1.87043768995951	1.54826954236516	1.91464246900822	1.32409682317953
7523136584	2.69312185989297	2.8991012942983	2.79476661079337	2.63237090613282	2.04305847857234	2.18676091984388
2025349912	2.56689151212153	2.3083275117724	2.02190749672352	0.573002156543305	1.50607256075154	0.596323030083098
9886362314	2.00603810181338	1.34566371578548	2.25699825881013	2.10747315961853	1.69872318167076	3.00202047773095
6885271929	3.16555353147175	3.22859751979457	3.09918562156362	3.51018215519059	3.41544740121425	3.76352867044515
8302427438	2.51815840511272	2.68256176396459	2.00657046647595	0.751521341945159	0.698464568562879	2.71820855810355
1334927129	3.19457828622146	3.04147127106321	3.2608724893663	3.01055457839804	3.05764927679166	2.79127528863074

SM1677021_Treat	GSE68607_GSM1677022_Treat	GSE68607_GSM1677023_Treat	GSE68607_GSM1677024_Treat	GSE68607_GSM1677025_Treat	GSE68607_GSM1677026_Treat	GSE68607_GSM1677027_Treat
958397929745	-0.35354036133306	0.796045654823083	0.55094719358537	-0.0941732390439727	0.725395066359855	0.653423692685948
5022370818	2.50178061599433	2.77963177571632	2.10021050486785	1.91688466082238	2.58986961752328	2.89308993976671
2158085636	4.00817603020515	3.99489302446483	3.94851890132135	3.83879708380238	3.77493302021873	3.79449552993673
6080696796	1.86559356768523	1.73430210892146	1.9902925945287	1.50766443527124	1.5120068347569	2.03932797209038
1672240789	2.82205883757821	3.15255154304489	2.49692334401421	2.92633645786161	2.8560374743933	2.81848922042341
5650914903	2.26665991201455	2.18571300755939	1.431629014397	1.67186021856441	2.39918388711179	2.38904659835948
2807207818	1.74151885919929	2.15474242942527	1.76127883050162	1.74648244043577	2.32676338479159	2.29299030791669
9336729272	1.40400590774882	2.33720543765592	1.25195483112454	1.6990760717104	1.25452656684037	1.5491087199759
01925861762	-0.996925767168813	0.259418360004025	-0.615773728234663	0.156374613567518	-0.96299686675607	-1.077959030469
3573568387	3.30755114795468	3.34431350774822	3.31959552792477	3.31392331500735	3.33735508054724	2.96843602830925
4187388356	4.75227445575094	4.70919913649772	4.30363395818724	4.43585758473646	4.43186387527862	4.46934583166525
3971299351	4.28569608009994	4.21029241923478	4.0348291888527	4.72723717114597	4.43008876015493	4.68308708518563
2064398995	1.88421378223822	1.71588160432405	2.08803963245602	2.09875592326861	1.48683850093485	1.66344024889596
6615202286	1.28448861905729	1.61452140883329	0.459474600686815	0.915686206145759	1.31063315611558	2.05580435098078
4722762858	2.3742292008967	2.92722803486663	3.50088722267099	2.78698948518583	3.5251215765522	3.53240834592749
7944855926	0.679830207159379	0.692966065242902	1.52457773077132	1.97450387081292	2.0244426155857	3.07534138095788
8804251202	3.81125526470596	3.78591660401653	3.99092369504223	3.71847254965121	3.77414396902954	3.66573536508073
9635138076	2.32588576223929	1.65877624340245	2.7246234911164	2.44240449962762	3.02985060481463	2.69309643666293
1645225981	3.26097697108481	2.64977852666562	3.35008462186809	1.67902362999582	3.46541670755077	3.32290699697159
26766172782	0.784959930811673	0.606370706721807	0.406646499156313	0.691926603875032	0.665332258186802	0.53229863331812
7476185669	2.39762663393931	2.2835881110387	2.35701422583831	2.22856156115052	2.42296281538304	2.2374195096899
4426975658	2.93440566605854	1.62541335511841	1.49303035493671	3.56850698313419	3.44809819694491	3.20454082043897
8828841994	2.18168371415696	1.94401836509677	2.55845349170461	1.96811339861937	2.5136853580533	3.04808158842034
0386929125	1.3259847045711	1.76516634898265	2.42180891020233	2.43961409565304	1.82670891713713	2.03355669537286
3730117129	2.42341102093854	3.22828072612649	2.53452609304088	2.71948339519397	2.74001158009101	2.42705953773187
3670928241	2.66578889427561	2.36644504370045	3.12764112174741	2.92641553017928	3.12617491981678	2.93663631397072
1786405743	1.57293887190775	1.79754287192155	1.7014654222752	1.79415354786784	1.73365125026337	2.45120297384946
1283481528	1.42665016629791	1.93370488162587	1.56163550808345	1.47759797325256	1.1916964020451	1.90426205456098

SM1677021_Treat	GSE68607_GSM1677022_Treat	GSE68607_GSM1677023_Treat	GSE68607_GSM1677024_Treat	GSE68607_GSM1677025_Treat	GSE68607_GSM1677026_Treat	GSE68607_GSM1677027_Treat
2273230283	2.74696391102828	2.50493334739508	2.52122476995382	2.41498293634692	2.25306935558307	2.48500397026154
74592725929	1.14201184017285	1.51361175976092	0.647996192530471	1.84212236530006	0.399820103128722	1.108729165772
0662650747	2.98902710174731	3.53653179582044	2.85111226748429	3.10148774839901	3.03154568681394	3.53586202048293
8817888846	0.0532819587445319	0.229447784762069	2.18938165859303	1.60489712666014	1.66666254164129	1.71675245589194
5558292079	4.08523327560085	4.01504644919321	4.04085940356429	3.7211405575093	3.71987876259374	3.54670961576591
3329052869	1.45301210543421	2.44052076901056	2.43623936042372	2.45536897755325	2.9070432472691	3.01242829106868
4308748432	1.5075236064028	1.67211553494446	1.71610199054435	2.1509000609454	1.33798854696493	1.70591603502242
6271480211	1.34334226478643	2.98455038441426	2.09983744315577	3.12731641724291	2.99194697721026	3.30406699801536
9969137087	3.19013095329643	3.26858486769819	2.81213987193338	2.07595490871836	2.12336829939714	2.97790464304785
9616469089	2.5718936772885	2.2734318647933	1.53482887277137	2.05762638102704	1.39825898362931	2.22172859355157
9969192317	3.30294160362815	4.1574830083839	3.10288012898312	3.4800145449758	3.62252330980438	3.89513397522066
1579295502	2.44110087413683	2.22540401441481	2.68538346944367	2.60580329443093	2.57627742743742	1.21295115643826
3307890199	3.63923920792845	3.61986270655989	3.40793183750493	3.35390546408568	3.27488301623426	3.38006891528164
7158941777	2.81944732945215	3.08774390820697	4.00726833048627	2.85669875543196	3.42101744757248	3.26062727968892
5961331825	3.34843784383191	3.23930301685312	2.93847454443518	3.68316354005681	3.21669151524903	3.86930110095382
8096340494	2.39293949678799	2.73212310305295	2.48824100394931	2.84175548836259	2.66267154515174	2.46760519887648
04493511008	-3.12156938752669	-4.87754138783014	-1.51918757445216	-2.08304493511008	-1.51918757445216	-2.08304493511008
6036172709	1.28778409482092	1.27426521353898	1.37448887131218	1.36143291285182	1.02234158975852	1.16274048269379
5149251352	3.17274857487659	3.10641645077669	2.99277164167409	2.95192530021766	2.65827235873455	2.94078938405973
4098864192	2.11105952273528	1.86941862727079	1.42200356003959	1.69143671809172	0.648399022321799	0.469433800182441
16033160875	-0.0134671018283573	0.0192127689513656	0.50381457385454	0.975204680445381	0.299250323417737	0.333448891702433
98612189722	1.39726125907883	0.915286427576608	0.549654275678985	0.616834775578542	0.515162076039238	0.781936611260261
2886307946	4.26933551222605	3.17112280403345	4.56422571929653	4.97817841708467	4.13342269449314	4.89997243664621
4792102616	0.198828480634861	-0.336520961716216	-0.361830146816567	1.20940705216453	-0.399536860083367	1.73569924161908
2634205981	0.798295132721129	0.613536826442954	2.2038285137888	2.05437294763238	0.409966506980398	1.25234096112159
8441126991	1.80895919811414	1.98074654051287	2.26110364995536	1.68236974892884	1.95454899372642	1.7978646658594
7282896404	1.36987581542439	0.778201228918121	1.36173113165832	2.34096185497857	1.11594076143938	1.77976769393783
9870677975	2.17568487650129	3.85086180095161	4.60407834579724	4.20469901317483	4.66175271074201	4.98709861125175

SM1677021_Treat	GSE68607_GSM1677022_Treat	GSE68607_GSM1677023_Treat	GSE68607_GSM1677024_Treat	GSE68607_GSM1677025_Treat	GSE68607_GSM1677026_Treat	GSE68607_GSM1677027_Treat
4948597878	3.43116479112498	3.08129618552416	3.17981918755391	3.75919159072255	3.3300446187085	3.70604563805223
9271742113	2.88110402282886	3.02074081859794	2.69330671746877	2.88297820701975	2.67221691995081	2.68093056906139
6216672994	3.0658679875323	3.06574670145337	3.18347486238705	3.05130488074092	3.29890180504794	3.25585628698899
2019767578	1.86239530768054	2.69011071231927	2.18098545723045	2.40054976170982	2.6092881068557	2.09493145230966
38697864501	1.43983039254687	1.64096652395233	1.81404994821359	1.91056036964702	1.77717442296603	1.80226451275302
8172088496	1.7732549229744	1.94514971631004	1.43480500316426	1.49408155506497	1.18697358852293	1.52972062208079
03602177713	0.692805944123584	0.93140889353378	1.25624307855088	0.521761454826997	0.898561328201184	0.871162628219113
0344671945	1.87030800726844	1.49764573360002	1.53206369763003	1.39110210822916	1.38805172510803	0.823640977197592
21709373487	0.252568915571986	0.195267126789585	0.564429229356073	0.486610969995831	0.276674202734841	0.12884396858563
6423803849	2.3651272322315	2.05507683659616	2.91993880281149	2.39320696028384	2.91384320225779	2.85121021625674
9743760604	2.87592516446825	2.75630072808794	3.31625214721546	3.09567834910572	3.22118215672665	3.16389609774189
1801096376	1.64410828502651	1.77594570254971	3.42297495411851	3.0583794826445	3.34411040924756	2.91092009541441
5712296136	2.10644572053945	2.18149699984529	2.1832067253306	2.75740007218705	2.55048004116407	1.84972777257985
6453244566	3.29876291480069	2.26954705050796	2.41517921512888	2.35207858866765	2.61731037801678	2.77452990468407
8073302145	3.19295524390813	3.74887598399629	3.73380635248759	2.52699023985671	2.55027332993717	3.66722796511586
3260931541	2.52029853140007	1.52365105245755	1.7946706222546	1.89143469376469	2.42352121928567	2.20926150138259
7064887218	2.32793604818896	2.06176068032947	3.13891979301274	2.3974559564061	3.30458085142095	2.98942735026528
75987160772	0.172048840763558	1.60040478125043	1.09677994677472	0.434694846125842	0.981374411932284	0.782749068806884
5667384541	2.83071945010643	2.21274162795432	2.79860849641331	2.67625518746815	2.68550882081135	2.29619329070419
4723026229	3.41453274199415	3.67765277278941	3.3818645940444	3.20040216043389	3.23374071217677	3.24299764479709
3173102645	5.20339484805048	5.34960028456456	4.55578402658197	4.91424108997605	4.82567775526071	4.94962392209707
25719222456	0.304608357518521	1.37595563037784	-0.0588084673019926	-0.126949971648849	-0.269556468698958	0.100159614061968
6261413522	2.80227603540877	3.72878238083575	3.05005793425486	2.35223553745633	3.01599959733326	3.35142335136906
640641005	0.0099033750166338	0.0774964764461742	1.20888576175342	1.86706874082833	0.62285583918849	0.214824923308346
3847740668	2.79196459821274	1.47704439374851	2.64870404002465	2.00993039840194	2.54744440932299	2.13251680095067
7240062048	3.06211429720863	3.3310098281738	3.11876505518655	3.22753583823982	2.85527489280445	2.76154102852304
4900418863	1.83615168124991	1.77909471433972	1.77082226186385	1.88364815887697	1.69659885025389	1.40287344144919
7359043235	1.59620163422142	1.3144507768983	1.63937612697275	1.57027818150268	1.22816924207189	1.43334145288709

SM1677021_Treat	GSE68607_GSM1677022_Treat	GSE68607_GSM1677023_Treat	GSE68607_GSM1677024_Treat	GSE68607_GSM1677025_Treat	GSE68607_GSM1677026_Treat	GSE68607_GSM1677027_Treat
02380922847	0.413595556622382	0.460450327300364	0.325038920325609	1.76030197930942	-0.177559816075073	0.554562041270154
0562488352	2.83472122231366	2.45602913869176	3.0733985206466	2.40671248714581	2.94409910030779	2.62742362350925
1707224062	3.43133727022511	2.40925977250728	2.50368085942625	3.48039414248405	3.76354390082836	3.69170822103017
7026669688	3.38493889599113	3.30419789256838	3.187420705626	2.86640602627186	3.45149518543469	3.70157736066983
7297577601	1.76751946570148	1.65887203666393	2.29086635665385	2.17721418315579	2.27857063337545	3.17584188333851
5572440347	3.49467367987359	3.42004692131764	3.02902723717275	3.36591313164899	2.96300551707099	3.12069382189566
2163242646	2.82301219091277	2.76231655027951	2.91896882501652	2.6543107656611	2.84128816567624	2.65018174129771
0882783015	1.97525013152508	2.2453024959452	1.93216053854782	1.88119040328569	2.15267790049419	2.12832564299809
1185395953	0.410955182274445	1.88574344022441	1.41854664027027	1.35863734785332	2.10052393073283	1.27635005742358
2520467164	1.85636395672237	1.96461796588917	1.77214967726999	1.14134625410151	1.15521191604786	1.69361961496783
1729553034	2.03291767622195	-0.448108419822089	1.49115347670626	1.54235158743199	2.00919529793538	1.67970747613456
925690955172	1.35863316393666	-0.595405082967659	-0.00883046032853652	-0.276217895446112	1.14357488993362	0.361099394434356
3605332999	2.35212781582643	2.51016397725205	1.65877210978469	1.62010595587989	1.46107849943852	1.28689191010156
0875814026	3.968706173671	3.81738040941107	3.7418634533424	3.59263574576818	4.28967233327778	4.05400833241486
6791242589	2.92310546386071	2.15384337845734	3.08213673350087	3.52066995749399	3.4880847367258	3.08805461309749
7106524149	2.85705665815772	3.06462849994869	1.45989414215793	1.46895560626417	1.25985848868803	3.19388341135622
0519665207	2.43245403796083	1.10520494812228	3.86695158177257	3.91757470505205	3.9913097475109	3.77520753680543
4414229102	2.70510854829828	2.15814094584354	2.64629683290991	2.56067211068326	3.2011779830645	3.51394189132955
3472697485	2.695885478576	2.32284507884919	1.93628567092425	2.41636424238343	2.35657666282964	3.04322390256802
31802814048	1.18740507585287	0.706183638721724	0.138040438464268	1.68411848228747	0.0811586673639805	0.970724802201427
7467905508	1.92528849467873	2.30243168976024	1.96659297286052	2.37770713172372	2.20345098534136	2.89199001010687
8920787167	1.12544877075954	1.06872047333042	2.69132147687823	2.60155415544123	2.19772935041402	2.29594700084548
6744088212	2.0561277161358	2.03165565381437	2.24384379280209	2.45294548458832	2.56217708344577	2.57018656704151
6774001941	2.40812789881849	2.09868767224351	1.26065343583523	2.30220994071045	1.75937183774063	1.76868289215701
0630613367	3.43066459589492	3.36643835618248	1.99573885222013	2.1664143817144	1.73060632715797	2.85080721436945
0325814714	3.05264776477561	2.95813264153275	1.57854089680602	3.1663070800825	1.97658982682816	3.29106408145853
0168994211	3.37902163087159	3.1478710143335	3.40562196391114	4.22541837873818	3.97129322034401	4.20056180860908
2817387661	0.256118066535648	1.89964456539372	1.38407810270184	0.561864655530775	2.17354448662232	1.95005471720821

SM1677021_Treat	GSE68607_GSM1677022_Treat	GSE68607_GSM1677023_Treat	GSE68607_GSM1677024_Treat	GSE68607_GSM1677025_Treat	GSE68607_GSM1677026_Treat	GSE68607_GSM1677027_Treat
5236848969	3.54795622195666	3.34496562352119	3.09214100140323	2.76173279452102	3.07664344352889	3.05334381691639
6556716551	3.77033948803337	3.98745784268925	3.48809257050661	3.61537146284501	3.63557493912449	3.768352926414
5386102986	3.54813639599945	3.79062966302515	3.6190932375372	3.87537581687158	3.76148707276949	4.16740258863998
1722126559	2.89484168576753	3.4686630250981	3.54398929203702	3.81696710805524	3.82077089957809	3.19334734504016
52482194308	2.66465018443709	-0.15811722182851	2.14174768073321	3.27656564567503	0.614700653356321	2.69516409379769
3582759072	4.26269698032826	4.26040345792786	2.07599584878424	4.04623340344825	2.10108210219063	4.54133613169137
6491637158	1.71069977431414	1.59655014300027	1.72658174850233	2.56801987607933	2.46337993342186	1.77681739606614
0739311353	2.51228994594096	2.52336522459856	3.12985596745915	2.60641823823909	2.71403837860022	2.71917131691562
0764720765	3.30959560624126	3.24132574334109	3.44674452148555	3.86582974000709	3.73419502018187	3.75548035913478
9834601409	2.12842309591114	1.60147140852179	1.91489899300214	2.08945802146532	1.7149340596855	1.87755262196107
0905392729	1.13102913934382	1.63377240678258	1.55568459722351	1.11463518461426	2.00249912624174	2.24488108827751
3063114264	2.5482806304703	1.72371866685208	2.11113101984371	1.53613055266777	2.40299828182875	1.7807689136947
1268620479	4.03441281624953	3.44437174654343	2.66178304989161	3.05383456892993	3.05160999552982	2.60865491412603
4188903824	3.08522537355519	2.86115599203868	1.40444257662271	3.16129095425762	3.03671468746517	3.10074456029001
7299059489	3.18528190430258	2.26127441896526	2.82169643305248	2.84375729878849	2.53942025907127	3.0780698153788
6040942784	1.12143728101846	1.26685555974903	1.61836888403016	1.19538891619523	1.52667933204069	1.54639236479017
8254215844	1.01589800280377	1.91190565723102	1.59652946894702	1.98711225671172	2.01157353354925	1.71087996206013
01757957938	0.907163907777691	2.34622423542271	1.07519516904176	0.921935130936244	2.49697356568462	0.765300561239084
0712750022	2.21512129972048	2.341262007884	2.14812172720233	2.54757205019607	2.2760155497586	2.80273574807949
5152942648	2.36582893921186	2.28989660436178	1.33101378877068	1.69819287936848	1.51507475697209	1.02167350305144
2442341819	3.64865045344982	3.90885699067933	2.88982344098337	3.63546024752092	3.40439894923172	3.8886348659256
2923529782	1.2406538278551	-0.449378019190271	2.47954195410076	0.351873107838237	1.76366579369602	2.08853797680044
9680382441	3.29164209999252	2.20593712903392	1.68655714919473	2.89733272826095	2.4012023840792	3.38667788981513
8506552122	2.9110006302006	3.25318498247159	2.98525160269663	2.79857892163067	2.60160476958863	2.90688978660053
28043984547	0.0957222602362504	0.422129653172502	0.677408438035914	0.7274737918366	0.803810807428454	1.53421387015231
18522811971	1.27109833484857	1.44247454519311	1.31344549057973	0.954491766663863	1.20416649045811	0.701835365726437
8398708228	2.39191148582386	2.19625403354576	2.04738340172682	1.90542588128791	1.88486265596992	2.29884139381423
3818297768	1.74626436829766	2.05351230732146	1.46622675760071	1.36995039102107	2.18350584056345	1.24017145022153

SM1677021_Treat	GSE68607_GSM1677022_Treat	GSE68607_GSM1677023_Treat	GSE68607_GSM1677024_Treat	GSE68607_GSM1677025_Treat	GSE68607_GSM1677026_Treat	GSE68607_GSM1677027_Treat
2357676422	2.51159689262476	3.24072270972456	2.3696532095008	2.93192219652364	3.04260453851349	3.31141304160156
8217252684	1.4637638561838	2.3593227046061	2.02398043062808	2.3027186473189	3.07791066806361	2.73006795707719
4331338721	1.5208049384145	1.50346268032025	1.98555527102902	2.95900585307778	3.28439504734503	3.04780303950314
6464378488	0.958249002477897	2.74733755688309	1.10505344694614	1.69421519980248	0.554997935029956	2.99819681612816
1167627118	2.84849641681235	2.79951532987389	2.53793613275886	1.93779248332903	2.59117938801834	2.12840183896941
6294937281	3.05793645173841	3.2189596023337	1.86629739147879	3.07632600933624	0.684457039930295	3.02605405047073
2543802282	1.52403238934773	1.08715274192563	1.84276490594485	1.81144497444394	2.31476283237886	1.85589942556482
3511093931	3.03282917947821	2.19332082596318	0.834120687092611	3.11280968785829	1.89162560586537	3.50537723980676
8144196415	3.38110124403864	3.58233598699961	2.2200973865309	3.69268325962935	3.46942921671223	3.65068348068333
0516188685	3.10845007421436	3.21486579578551	0.564173075231071	2.50190704437838	0.940627459591047	2.98787579080945
5282955334	0.99075876303873	0.481686066064208	0.342992733609731	-0.370778211084217	0.345331110885901	0.166876409817257
8379880047	3.50870561630552	3.14496241489943	3.93747422479458	3.82802076816721	3.23599344182885	3.71663940108761
7481246973	3.18517075754201	2.72476905105069	3.02094823109325	2.43496423921106	2.84625114370303	2.60711203192023
6369966513	1.83332109142368	1.5349038157111	1.7289097321791	1.3024581438474	1.74556500177238	2.09172534624367
5735512235	3.87496604351527	3.99052348833125	3.62219066200247	4.9975769222255	4.31085957619309	4.31449402092331
5028178689	3.77693536181096	3.84625080337221	3.37178072845497	3.83570562688332	3.84733804922281	4.00679535927065
7879614784	1.27708736873656	0.967685733810268	1.4834157718441	1.52206862545261	1.28648344728941	1.21975383541568
0687565394	3.03973277365491	1.818629340472	0.672264755819755	2.16078735947362	1.01380600664199	3.38795257100229
2599945018	2.15933231622717	2.39506524553441	3.94395316143141	2.64662524320278	3.60235447385885	3.79756188115153
38147279548	1.25388875984146	1.60578557253343	0.381200335757651	1.14824321378802	0.584233519571172	0.874383234014394
7304730284	2.21396653650545	2.84966480691691	1.06620288412123	2.37312848962247	2.02089241580501	2.80232014578227
5197156317	0.922676166430352	0.361152400738926	0.710802081865231	0.700419411865342	-0.249948952977612	0.664442796206703
3055155945	1.94746849024576	2.20309917420316	2.27792167940568	2.12668290426789	1.80455091203131	1.95172101423443
4309552652	2.20727535278695	2.00389838141229	1.15041718199354	1.08034819612182	1.69058469301474	1.09319549902064
4929594467	1.60632848139671	2.22805541911053	2.08115764087244	1.85957025828125	1.74727419724406	1.48907041532651
9295072434	3.62572678788188	3.41677974827103	2.58137056306131	3.68134889785499	3.45105427322784	3.57541541279026
6995995718	4.21217949694147	4.34611959410017	4.28749185870306	4.58995506710399	4.53994172644673	4.45727638930496
8339174904	3.08355213926808	3.42319627661231	3.50170774730724	3.51845004415548	3.78798180255339	3.94558902868485

SM1677021_Treat	GSE68607_GSM1677022_Treat	GSE68607_GSM1677023_Treat	GSE68607_GSM1677024_Treat	GSE68607_GSM1677025_Treat	GSE68607_GSM1677026_Treat	GSE68607_GSM1677027_Treat
3456963767	3.12952809588819	3.78217614605144	2.66204945851685	3.43805692812163	3.47467265211479	3.52521518705717
4620328164	1.22704107874571	1.60229023812026	1.81599180754426	1.79614583708633	1.75133825377004	2.36615921477182
24480292199	1.14052755583599	0.953781698796437	1.30295653529185	1.2378204356781	0.895730272156003	1.56589222691002
61407968763	2.23811700469168	1.6072074446663	1.68250468808362	1.74854750901043	1.97023462747862	1.51002532843073
3394228586	1.2694977716317	-0.692081074987088	0.617773614927732	2.13162870662606	1.28781562825779	0.939480064825694
8227684449	3.94279217945814	3.92679787412708	4.10386276239655	4.04175106698143	4.31864814167576	4.27507008359292
1108488343	3.14705389638024	3.15942847945255	3.3293783146118	2.90051730393702	3.33202862983371	3.07739651806901
0492583423	3.0980554627142	3.07241723646705	3.46570972874898	1.7183441315704	3.45804785956885	3.24836783796514
7631642336	1.17166310884633	1.35978672786523	0.873541973215349	2.44221485232076	1.86576845885287	1.27591539137745
4425422923	-0.150526714582473	2.5551229295876	0.305933969404715	2.57338686291345	0.389752205151108	2.91692381409455
9626760737	1.22937178507615	1.7455368412411	2.0035502557455	1.30484055592251	3.03275912410432	1.02585529990082
1023961498	2.68797646938939	3.01006977153066	3.54812352364256	2.99826543519609	3.40110537572573	3.45532844000437
1585663132	2.00483645215219	1.98866301655632	1.51509914118961	2.07737175904425	2.18072596946931	1.25230387449475
2046940924	3.00169237031794	0.872510804543489	3.3708166605595	3.18982185667996	3.28947945534979	3.59860280321441
4467349186	2.82970698021365	3.10260060654382	2.57642944424339	3.02559599528687	2.74422207730704	2.5865516038922
4504630864	1.06579673375697	0.793523969372346	1.7997378697658	0.937934539243506	1.82959329098651	2.2193818403755
2156098063	1.96287960795317	2.15247338877036	2.2899808599455	2.26273414568933	2.5812961072755	3.00981706416529
7771170172	2.44080731103779	2.37753791227264	1.91051059155699	2.52841031420944	2.4869834606371	2.87152956619522
8557267425	3.61648913406718	3.08685729417842	3.45587357101494	3.88994418635569	3.70288208867134	3.46576431423188
5576622783	1.9996968840019	-0.495969298313932	1.33120809980116	1.95340784258939	1.8625450840378	1.05423163558132
9406229548	2.92521765225507	3.18298658682497	2.80328679995644	3.44746838649005	3.32643820244773	3.13402469358468
43311217993	1.35833739219705	0.74956003903405	0.646248186682857	-0.758065650727917	0.747005803779724	-0.363836770532608
5424648503	0.259290906698012	1.76859535384458	1.07014642414517	0.142633778438941	-0.122410020338622	0.664923963495932
01301080782	3.16781066469587	3.44321436228724	-0.340199604019066	3.70988966595587	-0.709829836965729	-0.340199604019066
2382266466	2.44159199266109	2.6686526294256	3.03212468182216	2.4432144645724	2.93707860199759	3.12120869509414
6978273723	1.80638114524122	1.49499565923443	2.0367977295619	1.57054977324745	1.99619546378825	0.963954037632405
5551832487	2.90265619544792	3.15204500536988	2.85153072238542	2.52496047782891	2.73250070379353	3.31068129852481
3986519598	2.6616387245763	2.49160449700512	1.44894313799888	2.63649059441939	2.08097450198194	2.4591253305397

SM1677021_Treat	GSE68607_GSM1677022_Treat	GSE68607_GSM1677023_Treat	GSE68607_GSM1677024_Treat	GSE68607_GSM1677025_Treat	GSE68607_GSM1677026_Treat	GSE68607_GSM1677027_Treat
70024003589	0.458080073971907	1.06220444031796	2.44729130769489	2.40855598460831	2.75552139086108	2.47873089973844
81628082991	-0.174090172891154	0.0591600525327322	1.1336936841326	0.71749139141064	1.09969277668057	1.81181087830683
4848836562	3.63260837949887	3.35438900062879	3.08926352096281	3.31544979928515	2.98721220064638	3.0419866628553
5385094248	2.77355144317328	2.43595761654477	2.67752381935274	3.28891989479982	2.64872185322144	3.96238596932558
6562017391	2.57320829728869	2.60026412470357	2.93128658019175	3.24261212774551	3.0657198846157	3.03117194545203
94965053249	1.31349915700081	2.41265091539401	2.45491952948056	2.36252268762074	1.0980447122106	2.60983208637364
7181378969	1.21918710161148	1.52768839672741	2.18282379337537	2.10532798985986	2.01652999236448	1.94697939515391
0178304653	0.708427268171884	1.38483961536428	0.462486027106704	0.503745644965795	0.214074259960277	0.517913916504163
3732324379	0.886918450286494	1.5885839491547	0.772666808417295	0.468109806894282	1.14353053148391	1.06750098012803
1422702715	3.07888543427549	3.15438834284107	2.90104356875459	3.6247431453148	3.03242882528478	3.63469076814961
4586680676	4.39535329340957	4.05425499894878	3.97954052889867	4.00811211949772	3.85927823750238	3.69275909820573
2280329601	3.88317141205316	3.64359444416787	4.27741607023036	3.90210915390663	4.47337166643633	4.39377762495191
96431196742	0.0679835312305166	2.0598475796566	2.41973841335866	0.680533221251829	2.53676560773073	1.45656059701453
5648552461	2.97933791086782	2.51998045575603	3.44166505627819	3.28608999208534	3.65074079614679	3.30918408634006
3741273517	1.76675338146409	1.50297198679651	3.30019854139347	2.0676597202421	2.95739488178815	2.90998574360548
1791685234	1.89501277828759	1.87492605418145	1.01346364427459	2.1268156559165	1.47507261717422	2.52536187553888
5132136356	0.409926007533453	3.42019034817157	0.142916055901266	3.7595972771988	3.62620735810516	3.76200139652872
9391653961	1.84160987842456	2.57048920225548	2.12221729428623	1.70805558988763	2.27829673717887	2.93357999762377
6530247722	3.06120114022882	3.49647536366813	3.1558894986771	3.5434951150742	3.71946200109258	4.20861824649704
2554670427	2.52958873532959	2.29813369915273	2.58805299943859	2.39673249705857	2.2279953931656	2.08978850677556
4285320684	2.47070773428786	2.71049994524437	2.51658210264088	2.16144941397576	2.3368575110724	3.53761756959086
6548718477	2.93566101321779	2.67195169381956	2.60549192479514	2.75479150295002	2.76522087008172	2.51963233849229
8390783686	3.78116259603452	3.87162736304941	3.58854194771298	3.64746238828365	3.85339103284929	3.85163095598693
0100967116	2.05860408726308	3.08704218881378	2.70424842060163	0.780250514226636	2.66991135212304	3.4335803329325
9549606168	3.2532334255257	2.49324696721671	3.73744561017492	3.76209571619064	3.71017917515563	4.18025511850501
5044804356	3.08257812454585	3.15748520982105	2.15440256453957	2.95551847759496	1.54730707475022	1.62800632922752
7499838874	2.52113637060732	1.57451946290489	1.65536296400583	2.47568562125229	2.81951042793652	3.32068366797357
4462200452	1.68922307395305	0.76348456978611	1.43188269281669	1.30525970394745	1.65571174178653	2.24848390943524

SM1677021_Treat	GSE68607_GSM1677022_Treat	GSE68607_GSM1677023_Treat	GSE68607_GSM1677024_Treat	GSE68607_GSM1677025_Treat	GSE68607_GSM1677026_Treat	GSE68607_GSM1677027_Treat
8879038825	1.87273277766004	1.44360002907981	1.41616482868296	1.97746327388653	2.14945182964118	1.15720710977369
7336929524	2.2095479033941	1.74147239554311	2.64385387916388	2.51297962577651	1.73075948282349	3.03714542791899
98887650609	-0.564170188120001	-0.0741798177621022	0.430183738001237	-0.52781583810222	0.0649436225562448	0.337728688431317
26342456581	0.736282521211653	1.63175810706161	-0.633088182278701	0.480336017604648	0.246798994165604	-0.463827428250842
5415123201	1.65358485048013	1.66920985205183	2.52694607160741	1.75083005032429	2.62194394963372	1.78852510624372
426997423201	0.443084509605818	-0.0268420408696732	1.53262645647802	1.31228790010626	1.06858393738022	2.1690363683839
2014269216	2.15341704287286	2.09722718976676	3.76586719767763	3.15671517658076	3.87456967084993	3.93935927027257
8113565515	2.24426746651193	2.20348927935582	2.34715897834148	2.41710692306914	2.04953891676711	1.9799595502765
0536266298	3.42637399024498	4.19171484508811	4.04068712691538	3.46085808830838	4.26542647143606	3.39826994975926
6642552101	1.60486758040341	1.99909907617519	2.39797820545067	2.67243208427523	2.71751829829993	2.31389677986704
4505763382	3.31084608880726	2.89740214000925	3.73169771521955	3.76009092414367	3.71003010874639	3.7340973232631
2972362485	3.40496918093762	3.11619530337215	3.76789880474687	3.46997376992691	3.54103620320284	3.62869959627384
2239747316	3.55435530289007	4.17718829121921	3.7258506139866	3.57212478113724	4.24084084174523	4.48047594137419
6179821825	2.55031059002836	2.66551572932245	0.362666743096715	0.333383497130508	0.160621493101287	2.05640466811157
5676526786	2.2208065818815	2.01935950522323	1.70515845014027	1.87631527222847	1.90289786599188	1.88819832060184
00415998351	0.54203047750045	0.603615162464515	0.762806109945651	0.484821497247753	0.915882092700465	1.47539318797801
8791111579	3.29706296967902	3.5691100270526	3.20798704399535	3.13570944030776	3.09145301493105	2.99865542961909
0068984171	4.07321574055224	4.43558973554394	4.0018403514673	3.53677708414943	4.36507732106528	3.93673222839888
1951135303	2.57670387784509	4.14597480458235	3.16298417152537	3.32827587669455	3.71427099034487	3.36125337218037
6745035831	2.03355115485071	1.80122272296122	1.42563999722704	1.45828031691131	1.26407241306404	1.17231442596385
973997638	2.55660486250321	2.41271522276798	2.36636580322929	2.67833619265086	2.5774438744325	1.80702723876776
6276355946	4.00911009165731	4.09155721239257	3.92560544857298	4.05828486159159	3.75105775147032	3.76484396801688
8269230512	2.73280284564142	2.8140524046018	2.33075584276007	2.67787690787018	3.12076921454916	3.76495469036584
6029397379	2.68420850404561	3.12566579192111	2.98866707639938	3.0750406656714	3.44395608183185	3.02218332894004
893910114	2.5036490796145	2.78742043583518	2.12641046566137	2.99778848525665	2.746625290482	3.0752222199975
4599678503	3.13842322044419	3.10195123756176	3.06927117987576	3.12871032715044	3.0749668319895	3.1088482804731
37205816872	0.0069819607943398	0.851164693982254	-0.133798427018776	1.0760044957587	0.97500948243607	0.0007257934422586
2351238132	0.823871389844421	1.31219990959646	2.50410082225368	1.31705250959553	1.26878941646471	2.35690068450466

SM1677021_Treat	GSE68607_GSM1677022_Treat	GSE68607_GSM1677023_Treat	GSE68607_GSM1677024_Treat	GSE68607_GSM1677025_Treat	GSE68607_GSM1677026_Treat	GSE68607_GSM1677027_Treat
5539982967	3.36174492260824	3.32950778108238	3.32798446213917	3.02743918526158	3.49973597126082	3.82028234657351
5097998073	3.00834895618563	3.07079583407328	3.68022955652195	2.14221654040106	3.38445495942517	3.20163506738338
2452405847	0.345507804423413	1.89359047286002	1.79033078612331	1.40555204183299	2.03270712960792	1.72591099278555
4531529805	3.57104786100695	3.72800263393586	3.4196232153047	3.64747197958761	3.52779077335009	3.44894632948156
2926848194	2.21987590125972	2.48391549103414	2.43844004557885	2.57938538634978	2.32787528912092	2.86202614143503
3354562848	5.88855605680123	5.74651739082446	5.26789652752693	6.06848339834128	5.76058940065365	5.91165401341628
3009503339	3.2201667051246	3.25812676638196	3.7113635936152	3.33380339177397	3.06605816460277	2.71700945716541
9928680337	2.45322497754896	2.48141487380355	1.74589641927771	0.78242523714188	2.42948920895285	0.797618711765762
35445079811	2.83104805604829	2.89806795740957	2.91803460634838	2.90275348390715	2.80892528528407	0.953795721279191
7970251259	3.56724047412777	3.77054707960194	4.47923200523491	4.09060748214647	4.38849176204385	4.52483473163074
4707649643	1.48693292770137	1.78990534341506	1.00615519797917	2.42095741161819	2.83890372576257	1.15963752002106
3743300457	3.76711332922355	3.67950227240179	2.68549284300904	3.61198182944407	3.64312146827064	3.70641721674829
7876596037	2.18083804078212	2.07368536720793	2.45493134309299	2.38342066417662	2.58096975547603	3.05381942001681
6461235016	2.81956399172001	2.54100868725202	2.76092575934125	2.18151209026815	2.17144541020838	2.70712381171793
1628490445	3.40737652270218	2.73738855454521	2.93325881984277	3.4228465179972	3.32980349991571	3.41188302401768
4977289702	2.84612846237807	1.75810919900587	3.15728964158749	3.52318612770199	3.52501342341537	3.13587847122348
2695190293	2.36468396834647	2.29125737683176	1.07181438153336	1.30265879960696	1.8700228022706	1.95330734658061
6151383118	1.32210480867345	2.27270860014592	1.61836499089625	1.6197781214442	2.19446611353138	2.54335835673929
6587514848	2.28949385782357	3.42348126946038	2.69096966913338	3.39707019501173	3.08295887206444	3.68638533741579
5989065065	2.24467622528944	3.10896023466473	2.39290186669388	2.63031967508138	2.70804065758436	2.47430690772557
52290618521	1.6972984059836	1.38406576892604	1.44000004271987	1.64390957371731	0.608578474453663	1.11676953124173
7883445085	2.30159314807178	2.24619243480421	1.95251010896751	1.42250763363564	2.07529411116411	1.72147507026982
04856975651	1.96778219731911	1.95438522150361	2.40451843288379	2.02094731527061	1.43265540533492	2.27129205944529
3426813262	2.21660766360998	3.2623891835373	2.83996133656306	2.85438460437536	3.29115518610144	2.78418862261917
2738857741	2.34211644120355	2.01225091694998	1.96739392882466	1.86114004198205	2.0818551175039	2.1044292588256
9881189581	4.21496148452123	4.20537316021208	3.83235442586115	4.60825194943886	4.37722699138664	4.78268853589204
5407028053	3.36937957787775	3.10741434780952	3.25959176477817	3.0868622271665	3.07018628545097	3.00614723757199
9714098196	1.22404661392253	2.36609601214712	1.5504784206522	1.98909234467853	2.12600879153927	1.3737922752662

SM1677021_Treat	GSE68607_GSM1677022_Treat	GSE68607_GSM1677023_Treat	GSE68607_GSM1677024_Treat	GSE68607_GSM1677025_Treat	GSE68607_GSM1677026_Treat	GSE68607_GSM1677027_Treat
7300099031	2.28560784596769	2.49722037171691	2.02737644297895	1.9507278424894	3.00419077965576	2.83285110122132
5681917257	2.56430023995119	2.53255462774048	2.6574407611666	2.56510351219016	2.52009770392905	1.4179985870979
8353519783	2.06746863682558	0.49322036516195	1.67350340965631	1.70027462890168	1.68527348483415	2.08094195272695
8632056503	3.98166750754526	3.49107803542559	3.43741082632782	3.16854037043508	3.43114346455529	3.31751097231631
0434080673	1.95041794499801	1.3878791315121	1.8637827384315	1.39579022159859	1.44998144418329	1.40231316603852
4010467214	2.7410220879544	3.06992373715188	2.64899426259337	2.59166450716148	2.7113131971938	2.59754574695099
024652687	1.37661892209251	0.954545930963143	1.76590251350397	0.984277141873288	1.71750474902968	0.726995883999915
1611381945	2.28517374542414	2.99765022891742	2.3138065333658	1.40237500571503	2.40115955145319	1.22907470517757
3067001937	1.0979536579334	2.52031518868819	1.76603035187572	2.55222983981168	2.0419607708628	2.44477109928313
5375359273	2.98305775723709	3.25243033495762	2.99423991095126	3.13141079828255	3.29370843091112	3.4102738403269
6634986546	1.0043830216639	1.245928080402	1.04063800013876	1.37376650253301	1.96667033046705	2.05558603490635
1973368839	1.88404741707319	2.12779188321592	2.1749563538514	2.24784822057133	1.84933292315678	1.87565092381656
2546174288	2.64180942846977	3.15822677282305	2.89200638183033	2.14876924402195	1.95984169170322	2.73700177082013
29715719818	3.30004155687917	2.92554778851807	3.52517073367984	3.29528305286057	3.7047585442979	0.338637260377676
6785999237	2.85334135973209	3.4059741591583	3.30031536107614	3.3565982168988	2.76779506920684	3.58546589187589
36032049734	0.962206903592162	2.69537730201687	2.30674256628352	1.29075459612565	1.82700335113877	0.571916260081809
5620199783	1.82673430120007	0.751048524760189	-0.0471393492728237	-0.259670298097969	1.28255167076701	0.74641435198741
2998220118	2.69203545901155	3.52497122921641	3.26822564991717	3.70443172657207	3.65444076686717	3.54159531073328
1143238256	0.433325153701014	1.23247459822012	1.16021043742039	1.02647062337044	1.74341475080214	1.54797409560346
6482099861	3.15876333705749	3.34795969667003	3.07843731661202	3.33440816827159	3.01882467322132	3.10825984328002
5146818061	3.61970183804098	3.67199043896293	3.52252846581935	3.55226520850338	3.36770439663628	3.3802647250284
9417678216	4.72030536159641	4.80231093528405	4.0058463136133	3.81745672191957	3.85044042592834	3.77998913386804
325807943	2.50257835799835	2.27596000821673	3.15220250597909	3.12475395436817	3.47396385369947	3.61730826421588
0520243495	3.52889675204777	3.50586032308954	4.28877858355456	3.92555388658082	3.29819427895473	3.47372750658134
4038335801	3.61413891781379	3.98192313220314	3.45003890062106	4.00471955325851	3.55673362338858	3.66299011782019
6132600646	1.92720798781677	1.84442759768666	1.83443688041622	1.83614565327393	0.9242973471307	1.88526456908264
7714645644	2.92305214919687	3.0390423332064	2.69269722158628	2.82424350193561	3.12197772773493	2.47568088806555
0451463995	0.569267032591338	0.874880075170351	0.480676197881084	0.128459243965407	0.109702367573982	0.268951740188055

SM1677021_Treat	GSE68607_GSM1677022_Treat	GSE68607_GSM1677023_Treat	GSE68607_GSM1677024_Treat	GSE68607_GSM1677025_Treat	GSE68607_GSM1677026_Treat	GSE68607_GSM1677027_Treat
0122425391	2.29492451907056	2.0668877942822	1.99518122130807	2.95235793395533	2.42615624188942	2.26339206002051
8938605653	3.76871102430631	3.13359514909185	2.7292887534875	3.62961118291516	2.82998967479362	3.61446843852957
8466710471	0.461214375192786	0.678354992144313	0.751295346949075	0.315586212560702	0.679483265264318	0.504935390937373
3457731297	2.55967535969683	2.63692383467239	2.68778168526982	2.35582470064931	2.5279649721556	2.35547873723317
3704414767	3.52259415021527	3.46045209182195	3.54222760252396	3.18586019578671	3.40731773207048	3.60275929284537
9533912279	1.36014112062612	1.67038353879862	1.98740927736645	1.50233398494914	1.7718693196581	1.25759991499078
1162420688	1.31946653301768	0.732142487274886	1.80421775083567	0.678770986745017	1.20659658982247	1.38987919565084
9599398674	2.52033899862275	3.5565276679657	3.45264835194644	3.33807583832104	3.73496050857095	3.49856480400983
5595577284	2.96009252803623	2.79431722613683	1.09920831954053	2.80604081567224	2.48558710594302	2.07448496730236
5712759217	2.91100467519724	2.2288619903912	2.64414451708871	2.44803682752637	2.39819836905183	2.46642326838601
8455065314	2.64181735961118	2.941041587863	3.23724643453177	2.8229242335292	3.19724429646979	2.58041222964096
1655328414	3.54497321114053	2.28831451312014	2.63884943049592	2.39537801028647	2.60065801191095	2.3144524870186
4513463994	1.56885238713733	2.09515513064302	0.552874450677366	1.98888873769978	1.30466877144763	2.3604923439215
4581783965	2.45193434356834	1.52673551215188	1.48429247045674	2.53976756229344	1.25636573803045	2.24045707903304
62646677455	0.408138187015948	0.290555954070826	-0.190742046811321	0.209277006783071	-0.221534578906593	0.0619725109776051
1414301818	2.01426577546514	2.34770691682917	1.91795273979914	1.46313124563055	1.80859840027786	2.77664797076952
0972321246	1.8590209468764	1.14148036569056	1.62278047224192	1.3443458884328	1.27273655006923	1.86995278636714
2001389609	1.33119712749612	1.71405979110305	1.55358511880432	1.37347786976593	2.03189445449748	2.1853040866911
71403173954	0.195256135461344	0.208344996784472	0.460173078779893	-0.902626301991701	0.831571150257775	-0.348790525524353
4380603763	2.72381436436404	2.65740951360913	3.25792382432983	2.36819084901718	2.9262296939865	2.18129211969922
3296175199	2.44651366866582	1.78201231643607	2.41197960686946	2.11695347787294	1.44131899408958	2.74653407187943
7283220874	3.11008438835019	2.78014566564535	2.98016934253244	2.74590057792554	2.97417284934349	2.83883939416135
9636867148	2.33597560003008	2.17658420789191	1.44602631902711	0.509324657094792	1.80754364813332	1.6643892071717
3437412568	2.61002945336845	2.75271144220963	3.21382062877281	2.75969217909762	3.06523465133544	2.72026250043328
7835554669	2.64153474148571	2.69023929849845	1.88310723906266	2.32936994137183	2.50213641624394	2.31332494586766
1505648692	2.70986425386187	2.59800080576815	2.62948667855508	3.08119390470761	2.71204466531207	3.20452852322172
4821370504	2.33419003497464	0.96599919115942	0.976003492362993	1.28063621367096	1.36270534335675	1.2843440948032
2337016244	2.23733550813528	2.46668242359676	2.17357491728016	2.53070130199914	1.97937132558019	2.07396400834681

SM1677021_Treat	GSE68607_GSM1677022_Treat	GSE68607_GSM1677023_Treat	GSE68607_GSM1677024_Treat	GSE68607_GSM1677025_Treat	GSE68607_GSM1677026_Treat	GSE68607_GSM1677027_Treat
2882206143	2.90703404540172	2.79896411365629	2.72548116722511	2.65699031338661	2.63556953663891	2.41670548171219
72388516046	1.45272965751967	0.574114245287005	1.37353659386217	0.988621225621158	0.393479650915144	0.819854102560171
92752696868	0.515062197024653	0.389525623845371	0.238663135935262	0.259332669288189	-0.065021505362243	0.264403094905563
58077522748	0.767033185786216	0.255676113043116	0.498349080035792	0.742261204349865	0.816315916383304	0.521777130665813
4405262934	2.12167756137041	1.83259875318859	2.03878962200712	2.97225854560041	2.85812887347127	3.33665256904823
3126187838	1.50314408411098	2.71097855522347	1.67604603178312	2.48907821076985	3.3152308458691	2.41582788179178
3210468221	3.69815322857226	3.77420493824687	3.66697624122051	3.66793969093851	3.42696417885734	3.36148371831619
7095420155	2.47204327626823	2.35530755755755	2.47204327626823	2.87328853817985	2.97226444142161	3.19628352528749
3694097313	2.41955871759478	2.49597871456385	2.22985746444159	2.21340405392711	2.16202885289714	2.18589770656273
2852467348	1.91867844841288	2.76351486501828	3.38792113744366	2.64838309354064	3.49980142033944	2.59901118918096
0871584409	3.90722832702213	3.92916032686703	3.67861362084978	3.08779675706792	3.57103392817386	3.84704817464849
4444912559	3.73214433470869	4.59998420500004	3.81444332895102	3.56427697892973	4.49463490711973	3.70682532102817
9885577811	3.28537439921816	3.05601089645489	3.04406514597079	2.85519605494645	2.91768688151761	2.54748329711998
0985205475	3.26231073253424	3.34183682343164	3.37456878074659	3.27888147116084	2.97320093248744	3.15103169894932
5171341072	1.77978612909188	2.16552240649378	1.80600999667646	3.43463594317977	3.52142885064183	3.27672820274928
3082225306	3.55531012523761	3.62360397577189	3.44429615798574	3.79823396637747	3.84388968960627	3.86215860807214
8325331399	1.86501728870664	3.6080193844515	2.10022054027256	2.35735253567762	3.30820866124071	3.56290177969482
6287203264	1.08499491980176	2.44168170450974	2.01406421899503	1.33391847364852	1.88847222992429	2.78126734170201
7621027139	1.25770731120708	0.995179267872316	1.77895590364933	1.2031974716575	1.05903538022412	1.30548853458635
9550512867	3.47622439978128	3.61550381850621	3.28045308989126	3.55633164212951	3.59326682206902	4.1270739480542
6680915289	-0.0655673760069393	1.87104852120937	1.17994655707285	1.97143852696141	1.95412597982042	1.34216811323548
1952222149	2.38127293037729	2.74573509454179	2.27922349475557	2.6213373613125	2.43270552039522	3.03689927696224
4497011358	3.05970172542344	1.37087249301886	1.95834950902539	2.27666046472961	2.44174334484831	2.60723545157599
4227710472	1.19082068188052	0.982989867235756	1.11984147858646	0.965891507327681	0.92524577789675	1.0145961617382
7039407335	1.32457271821455	0.674248371092064	1.08241569691099	0.517054468254098	1.23400356827469	0.687367168528941
8700403143	3.96799105022253	4.00583948869958	4.0299107133067	3.61008343272397	4.0371047561204	3.93414374023564
239961751	2.37065543648907	1.71804955253805	2.16348645763666	2.4439868741789	2.17023085835663	2.79674363939694
3923291861	0.368626247755968	0.360590982205733	1.57691722014491	1.25064112415172	1.76582890054539	1.65232890110857

SM1677021_Treat	GSE68607_GSM1677022_Treat	GSE68607_GSM1677023_Treat	GSE68607_GSM1677024_Treat	GSE68607_GSM1677025_Treat	GSE68607_GSM1677026_Treat	GSE68607_GSM1677027_Treat
9644981197	3.20630970563866	3.20557528666156	2.84337266362956	3.46822052090511	3.14727868241114	3.88371771027662
0654410721	1.32833241927784	1.57883159057222	1.29424213406061	1.1777398446337	1.13697437123461	1.07855076647284
2355368327	2.80229840728271	2.797509850764	3.20159975274663	3.54373776673152	3.31552637710074	3.39806448881133
3598779074	2.32890603842848	2.3210267175049	2.86785727931866	2.79748975439347	3.2791724288432	3.39623306819344
8660244962	1.17407103272131	0.860469149217161	1.88248691431317	0.265371512650075	0.723375564648884	1.57050117619088
2779284804	2.99422153305386	1.83938203071859	2.8896336310377	2.74254477812863	1.28248733829277	2.98590170294714
3285366828	2.34101616678226	2.97946005844229	2.47660252821499	2.36546342301505	3.00630586171414	3.41619954769292
0251043111	2.46795149746524	2.27343534665895	2.58154233528565	2.62078455754027	3.32737574761183	3.2043919452767
5881583949	4.09422035998229	3.3072391265455	3.83450200585782	4.55845619882684	3.86716191072932	4.33527332944146
9280272329	0.860352135488954	2.4590711940662	1.81055234988958	1.97602024669882	1.45126863238365	2.10820374556838
0905518298	1.33816046039073	0.966183706636261	0.827810624677571	0.334188013703346	0.894538986146753	1.26513569201192
0136850288	2.77508731820459	2.60644615088127	3.17381255224522	2.54759500400566	2.5929449342806	2.30551051540429
59607954916	1.0247995521916	0.552505552990151	0.342811187984457	0.313302856165166	-0.332456183652272	0.918179604428026
9993502884	1.2056286914764	-0.0476640771882008	0.70933470799053	1.19057309570052	1.10326361832398	-0.332691220309639
2426566064	1.73987648640173	2.63262382513358	1.63363163467066	2.74045864033319	3.21300243655177	2.50591209550319
3456988808	2.58764898457075	2.80234677925608	1.57073460448512	2.53670659310106	2.14891734996049	2.40175419923078
9604149517	1.71835629248773	0.781134083457251	0.723127627000616	1.86600199306079	1.52458827546698	1.63297662755299
4503282822	1.13640677582335	2.04591705949702	1.92558627831016	1.9162834930788	1.74851412300542	2.31250225558153
2165999054	2.10833262140565	2.05798751730562	2.07244129076062	1.55019732976591	1.74187863592158	1.96678793422366
9523002839	1.8116328881379	1.77502008961042	1.95803747776504	1.80828303814348	1.84633483604772	1.64210744172363
2881511251	2.56474332763984	2.28376399697873	3.17852658987816	3.902741652345	3.67332025617035	3.41114159303756
1824648012	2.29394033183764	2.75591482272652	2.31566653665636	1.93718012064745	1.61898414935005	2.17762705600315
9437873893	3.19982356721808	2.76744167021507	3.06172050258465	3.15413714009087	2.98579180009191	3.05112729837902
0009489969	2.70186353282007	2.59545076510898	1.28272132318361	0.507150127156903	1.18492098911621	2.22967203083347
1262338352	3.73386409559218	3.63178729541263	2.72945179848854	4.36525497259961	2.50277973310329	2.5668691992498
1088120741	1.15756633437111	1.70320308726883	1.66295318433774	2.06948835577812	2.04305976854275	2.08185511177589
5489642019	3.33793104960513	3.68751813631116	3.61114739776529	3.56183819084604	3.7289266460898	3.63243672607732
6253482205	3.09479960094884	3.37292912085689	3.8717616916048	3.18578120352763	3.97137948967073	3.60296801767057

SM1677021_Treat	GSE68607_GSM1677022_Treat	GSE68607_GSM1677023_Treat	GSE68607_GSM1677024_Treat	GSE68607_GSM1677025_Treat	GSE68607_GSM1677026_Treat	GSE68607_GSM1677027_Treat
5416007163	0.675312838419308	0.671128070644904	1.01869782989477	0.235300662659744	0.572988182506728	0.585057683087462
540450204	2.68705572290587	3.25789192191824	1.64447210817978	2.02229524135476	2.99347035731797	2.0260930241949
2529568497	3.20669734780402	3.45506889401263	3.70547032243563	1.55422421428788	3.5483334025549	3.23329133299698
6663277692	2.34216451879174	2.3771585895571	3.50100798813803	3.26718513674083	3.60010530111792	4.17826246393808
95048614208	-0.754762430325064	0.260150582595167	-0.0556458727960075	-0.36906709028834	0.103706006475144	-0.681821372316081
26195744595	1.38558152083148	0.942004205934534	0.992062345272852	1.00204221709914	0.307056264377761	0.562237527446202
2506223704	3.376810354781	3.22310269866415	3.07002261150941	3.19105793552416	3.04808249971018	2.811794053675
9635991119	3.84465167344469	3.13282389007102	3.62968480464205	3.63238007848509	3.56647983214964	3.5801857986977
9309800507	0.888737412207016	1.21865096090188	0.767055305836083	0.987736576888903	0.698500891814995	1.3171378582939
2115593642	3.30788977138462	3.04675196762202	3.10754240829986	2.7247752497209	2.96166529059498	2.81682694714454
08273779596	-0.0952180336467265	-1.20430262283126	1.03886373494684	-1.07828710744585	1.14935203395919	0.195004071003736
0046265133	3.67411153312919	3.29398396731936	3.70842240941326	4.58054353640363	3.67663251847649	4.49030529695963
3129055123	3.95211123461366	3.95425020274264	3.46367228936183	3.71421766422404	3.51989830712038	3.39098540814526
1892332717	1.68211858809664	2.22789671983329	1.83795854905825	1.49849077296959	1.7704549347863	1.93864608414682
7580931486	2.86174152034157	2.57201358225532	1.70252795024854	2.82809416776642	2.36535420522317	3.29103151052039
0885113586	1.94063492428014	2.40231089833869	1.88914784470593	1.16829593940987	1.34621017412846	1.59806987346978
9875737202	3.25419137902719	2.86743012326715	3.47627382807581	3.37714295047922	3.85259560812329	3.61374389774007
2678304848	1.35080049992708	1.56721392866293	1.70498568102578	1.55733991677737	2.11952719043252	2.2650678789661
2743290189	3.0942944323753	2.28877191182761	2.4831953779094	3.48039623616846	2.74216132600748	3.72898884532181
4376782079	3.98617057503091	3.08722407594507	4.46634505790653	3.61805072222894	4.45038601598523	3.84795665517386
2323246145	2.08987816096754	2.46827403111466	1.96422239894943	2.67511105766234	2.62153365697213	2.4430122053787
5919736266	3.01014692104601	3.52209298685862	3.24481708911708	3.17696059364325	3.12099347568253	3.04634274647502
6417461481	3.99039538399567	4.03843570379474	3.97927788077141	3.31283536632436	4.1864568191134	4.26660848439118
6380800543	3.7267095640092	3.76901724352528	3.67962259905046	3.89087323743614	4.02720128854876	3.9206605961304
20589313915	1.5493214862051	1.29453784825499	1.58641526561122	1.90031089257161	1.12653495203815	0.799215622847449
38469015603	0.0135184602618822	0.433463654569569	-0.188367215751283	0.255015212653795	0.322989274719564	1.26742714465642
0190510035	3.25097155534183	2.78045004237493	1.69936942103545	3.48643563970363	2.27038088124862	3.06984932141119
8918300479	3.56387560802035	1.16549909670534	3.80035787641891	3.21905008651125	1.50167048928654	3.39505556722622

SM1677021_Treat	GSE68607_GSM1677022_Treat	GSE68607_GSM1677023_Treat	GSE68607_GSM1677024_Treat	GSE68607_GSM1677025_Treat	GSE68607_GSM1677026_Treat	GSE68607_GSM1677027_Treat
44266302312	0.952634885642735	0.294761203566858	-0.376381537367692	0.134140097684269	-0.352417544489544	0.422358272721839
11178518142	2.70059318741571	2.75785323205221	2.69327732216053	2.58779713330105	3.23443348950464	3.19033167039041
5206071817	2.53459622832603	2.67652038215222	2.48527799613069	1.2550063486664	1.8002854222724	2.000853324559
8173094416	2.05956681897374	0.841375392042163	1.87470634143279	2.03748209064392	1.77534404204528	1.84474937652498
5729188652	3.18937089091091	3.26274041522196	3.16947400124569	3.03068762887831	3.05144848370545	3.08072109174077
6766449543	3.44936720059571	3.14061804479417	3.45251880245997	3.16455316879744	3.15864042205767	2.95797366690803
6381514248	3.91254566661105	3.74553877839932	3.49251658162248	3.75508629190256	3.57114429941749	3.99076146946558
2127993693	2.76089424276492	-0.218987870448608	3.46809188761138	2.47340170836653	1.97746394660328	2.65036913354224
7917941793	1.86828582196002	2.79905003105886	2.78954970690264	2.06793742146225	2.67932661519158	3.04062573539834
7098045445	3.93376294571544	3.57803676424714	3.54736922565281	3.46332597946336	3.49079737372534	3.12516828634512
1962118621	1.88468964424612	2.57563551815755	2.2155234605483	1.96142062231345	2.61069588772264	1.94570037580898
0943966405	2.6734296676886	3.13394791274946	3.01939640335117	3.72303144982367	3.33804182384272	3.55549126702769
0425702377	2.19637944659255	2.22144498339183	2.50609811821584	2.35547691134973	2.32254959683007	3.34786183344383
1274171097	0.56549175428043	2.54248676314204	1.99361522582953	2.81253249557416	2.8259581823496	1.9683235206967
1087711953	2.666127886379	3.00953204040082	2.27682324199656	2.50548104191702	3.07767788436347	2.16950780105551
344929206	2.08692119973857	1.9520577316279	0.843168188356304	1.37136433365443	0.753759890824151	1.57723054545653
5310635419	0.790060819265011	1.1575938729686	1.07999362762314	0.73591183642797	0.825650721875022	0.95865585548667
8809045567	3.33810851971054	3.01121855681567	3.30730816403993	3.59188779541727	3.36596157838298	3.65585148457821
7987742865	2.61974661716938	1.38865203949932	2.61174994631056	3.00827416855953	2.7197729555645	2.27748088812875
3466946948	2.67695323086829	2.5362373136939	3.01002148109231	2.19310335875596	3.17295365574591	2.17235333104885
5843644942	0.342543254186327	-0.152015366594743	1.2109872718537	2.17898071517047	0.925351504525064	1.86413511924968
09441187688	2.06213968252716	0.673892931880293	0.853619547143893	0.451927775748175	1.40094379039508	1.80739478104895
2681414944	3.22775050817129	2.52979836942318	1.46850876281254	1.693989661767	3.32317000922606	3.32028271329683
1034005591	3.14540468498176	3.23022450277777	2.38922218485202	2.78722168823069	2.8744375116193	3.63691765690246
0577105451	2.19385120030432	2.25518848804949	1.90211922457024	1.71776866083033	1.95148411496771	1.69163429217596
3430225356	2.1487949398002	2.28821233991252	3.34773582073385	2.00200509225488	3.24101437789673	3.1102742170941
3113207987	2.86100134690471	2.343854427145	2.63154489995801	1.74279961737603	2.25997235928745	1.52767391338007
4075432259	1.5413493778036	1.5778984497858	2.03514066096676	2.69125593896848	3.02538048509183	2.52761601127259

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6863558014	4.67650541369746	4.46297113697827	4.1854090376223	4.19405083471805	4.40622088636988	4.21570520807514
9390393037	3.43724854810312	3.60029927808674	3.41064584526603	3.37783783714717	3.29444176346276	3.2755179222703
8941789652	3.80334628278229	2.24557477860331	3.70708514359035	2.97489872817357	3.25544037899731	3.53982537715357
2655284169	2.89222420362763	2.90218593040752	2.50999592915711	2.22925523850574	2.59441171091703	2.11683218057402
1079822544	3.31190885337231	2.95934029233669	2.83806174164027	2.79493506162817	2.61285636526048	2.93307686475074
3875948517	1.5901913133359	0.737441294827425	0.176519526705679	-0.860494156876555	0.676656356139161	2.27765440528052
8128336146	1.35741614005581	1.1605699521202	0.833523746707475	0.27453797958948	1.29891414027055	-0.0826615383475658
6168951642	1.12548742927338	0.726805268769823	1.77919766476137	0.880822277337175	1.76421631039907	1.05921823828901
1272939063	3.36797130796088	2.79270893786375	3.65558895169794	2.71004336318749	3.72081793994542	3.7467896965293
9551880036	1.01733852226736	1.82798701687278	1.06764993778209	2.76702738421557	2.58713889747912	2.74605748702231
4536804268	2.46912931421882	2.55190861645294	2.55051340751767	2.78400074365305	2.3946806306263	2.36454145477585
1806798091	2.59242994321192	2.72818543851432	3.39960203034113	3.07505592148885	3.45338152440964	3.01246756399609
5352091883	3.16231458267184	2.97465804020738	2.71131967289093	3.08966442597002	2.60702843828973	2.85307801717882
5697623214	2.62050674784352	2.98245494260874	2.27109568903708	2.37005949448834	3.4960608985964	3.35133154032714
9662166483	2.5930275318179	2.74235670140969	2.18351818497728	2.67864724774314	2.74396211333914	2.96165053680269
73667524444	0.925466577388199	0.666809669136351	1.60228350605785	0.51933721204248	-0.337024455932388	0.594474424975651
0172342943	1.13945664630979	1.25773952624881	2.49464069515309	2.31894469161268	2.95462064926361	2.33930180083106
5415695616	4.01971912557857	4.23231487748222	3.69209948671341	3.60455066466113	4.29709609898224	3.877886042354
2416999538	1.84997174466613	1.47170050871592	1.83781205325707	3.034324842493	2.57314059711749	3.15868775590418
5692474526	3.46680779163926	2.08007787922118	1.86817257413221	2.67720889407825	3.15773563112868	2.68263876021969
1605734686	2.76571690499931	2.58502610925754	3.32504865607058	2.62980318333825	2.92378505193582	2.60154646469415
2093112519	3.49619867275626	3.38538885385009	3.16058808403641	3.62831568626016	3.52402593234697	3.90195586756492
3876217968	2.56583190881434	2.38784107321695	1.62599116374566	2.20736626769703	1.80123355163249	1.89723313740067
15957441853	0.508179817128642	0.921657795904854	0.665864120277762	0.109488773043575	0.811294347880814	0.442165931058534
5722242467	2.6851980799798	2.57547462252182	3.07605811810491	2.4187318716231	3.29814461262423	2.91378952739759
6207770404	2.44848738334676	2.6374380078631	2.86578209042432	2.29021828010266	2.5166147907735	2.5109109880998
0830172346	3.91007635858047	3.18437118612315	3.86908897187314	4.28242808673123	3.33866918961964	4.34980081151232
3543966596	3.1520096232288	4.01200877248737	3.9900717754392	1.46949779012415	4.11202223239909	1.53324219802954

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3404990222	3.57637674154958	3.89213084818973	3.4383113354022	3.41693291803387	3.59881789772745	2.99437065632533
7772962062	2.43652076433373	2.51662512344993	3.64386420816921	2.96496558652217	3.31535124148517	3.46772388431644
5675417042	3.72982868281076	3.55479506101986	3.62961146799462	3.63719168071874	3.73779996380698	3.93914964851287
3591233677	2.88044065902472	2.780658297328	2.64155991189395	2.59696162823342	2.50966550070503	2.61795957647629
5347316516	3.21934564674714	3.03748099621022	2.67241251079785	3.27831714445351	3.17515127063136	3.52141871233754
3215820068	2.09721445460595	2.59709054093969	1.63660981830184	1.58072113763718	2.5613941169111	2.641272142841
6103961814	2.8348576264519	2.79462450009849	2.67325935773235	2.58429408800982	2.36894111109378	2.42592798733092
30761643709	0.432359143947914	-0.61318346617071	0.423294268757112	2.10849388606401	0.186850083916062	2.98880725587358
63303381014	1.60038121596745	1.30645304181818	0.445593794462513	0.0115740379782028	-0.182665064655076	0.500888425632275
5702618226	2.96490952408212	2.91612335722525	3.2564492459221	1.90342329523059	2.94037137065329	2.39991578123924
1853404457	3.61635738285483	4.0032980696475	4.03154352410687	3.89730811949103	4.29497473816726	4.20773762366956
2700828032	3.95678202992524	3.58133860498223	2.4264374350389	2.94526746449317	2.98309114572442	3.87376778268561
9746914558	3.74043845568457	4.03538743526306	3.80003985685331	3.83700151885267	3.40461176664234	3.64383141135547
4767013138	1.0562626353321	0.340384479662626	2.06473166529829	0.877248872656429	0.585985053857695	1.00845520490721
3128266244	2.93497908637035	2.51916267200013	2.94155078742548	2.82054374335841	3.40120313334077	3.02055857407642
9854842131	2.44193377611225	0.770465276276646	2.56173472757152	2.38134271072691	0.900635450546096	2.47530396922756
0078727571	2.954775170795	3.09040110710873	3.98736253273713	3.05944544013005	4.3248792736074	3.30630439495658
9312882793	2.42822591256715	2.92352775287361	1.21414659555833	3.04248176618009	3.310674038867	2.28785367064588
1873351154	0.84069647906029	0.638059397874507	1.64247548244657	2.65704420278861	1.84856058115889	2.59232649934036
2437434502	0.544141425253896	1.83106043398123	1.26709024106794	1.16199048069377	1.84665578204032	1.42229144976852
50708011064	0.257477554273673	-0.113513827378298	0.269556283191629	-0.839494308468759	-0.550974663073227	0.0533821975610883
1964027416	1.97961278806903	1.26316821234794	1.73504002828367	1.58392653841035	1.59479714812264	0.671059206458366
2860792737	1.11300507243956	0.941814576960461	0.668060805093259	0.444550161704686	0.532467866942324	0.612655088820125
9505310364	3.43025520144786	2.95786377370916	2.9465686306267	3.32016461885176	2.84369702035181	3.40302164841064
2603313887	3.71744119855563	3.29364492119511	3.63150255015539	3.46632311341333	3.51708491890748	3.5139696317752
3982655463	3.639858367187	3.41721784579954	3.65498470073579	3.2875467471508	3.60229550970717	3.48369354436105
7717590184	2.23085752259191	2.8593184406602	2.99264180087497	3.40769974891638	3.67618232933822	3.19134837363209
9213396249	3.16904733356895	3.0876841275169	1.46350317471935	3.8395456575474	3.46187134246277	3.77596586550216

SM1677021_Treat	GSE68607_GSM1677022_Treat	GSE68607_GSM1677023_Treat	GSE68607_GSM1677024_Treat	GSE68607_GSM1677025_Treat	GSE68607_GSM1677026_Treat	GSE68607_GSM1677027_Treat
9958188489	3.34145846429158	3.41306285076924	2.80516356130753	2.98785047726099	3.45035396080914	3.47667062046982
2253047536	2.27910488355308	2.22279562528232	2.14800617956798	2.15047726330882	1.81888617243175	1.72164490685716
875311668	3.85262625311204	4.12381511380212	4.05963168391775	4.00529526049516	4.40560283226819	4.07684723248598
52929173805	1.46442591561814	1.12312877783324	0.923182615042053	1.4282190136921	0.938985840178297	0.830485361648133
8597898195	0.654670899591691	0.0114847663460657	0.771797220194859	1.50262444451447	-0.944148169359967	1.61002094127267
9537209811	3.17600279619753	3.40567976604008	2.77041067085205	2.24505837350609	3.19715026700979	2.34049484698724
3557694061	3.93644552052352	5.0124111138934	3.84481469726716	3.53470475639204	4.18953448157682	3.40490002194749
0257974267	2.233903287386	1.55074310948176	1.71708009126412	2.58140994193858	2.2877224845776	2.82197887612152
2106336304	4.03035376956738	4.06980947330015	3.82448022777818	3.75945915541215	3.61659474133762	3.69259179786436
5238439372	2.33309723138561	2.77533624611423	2.97707033633743	2.69244291136596	3.3913735608128	2.97521164725962
35325145812	0.302030631804416	0.478932960567435	0.839955701193607	1.21427194393634	1.74205989233283	1.321802275051
2526461391	2.51575459527948	2.78440562778808	2.62989232322039	2.92507271162751	2.60951406574486	2.72615322913138
9307356667	4.71746339369492	4.38389232341263	4.60632665946928	4.67416501631006	4.47519563717411	4.867221369262
72221905625	0.349464498466035	0.726986049571776	0.51119745574768	-0.152826381179874	0.351806123354497	-0.288783829447362
7200679054	2.16197147825269	2.21267565436439	1.61531248010483	2.23571804247385	1.64807553659067	1.82738103916632
7484530407	2.07177895803391	1.33677484530407	1.79676951432894	1.64116404525444	1.96344963347039	2.12908137287384
5720131405	1.59610939833097	1.88474761506006	1.59944390631292	2.11368972920919	2.06936403041241	1.807849544737
3373875003	1.53827020509526	2.60906480947795	1.97333473410756	1.96604558753164	1.77171034183262	1.08853090854029
9995233034	2.76712137891246	2.81567086102146	2.89919690518498	2.67428754554754	2.47285753058645	2.68285679416054
2464936626	3.10838664493366	2.6206220580615	2.48058889789406	3.15630169400976	2.26628742716114	2.91099271343496
814517377	3.20476875139432	3.1174453958804	3.44209923203194	3.25709393400097	3.05459298064199	3.35026379279206
4320975298	4.57111169472222	4.45157866239294	4.08643220085778	4.49836994950138	3.96756836164864	5.01869965172496
0251789155	2.7506743597172	2.76619000734814	2.1362510098964	1.87888613108632	2.6323628853808	1.9428007908687
4448230321	4.59295187257891	3.74773423857535	4.45108421086754	4.40730258074363	4.53619259532022	4.41662413886767
7722647318	3.11211341799134	2.97265843701533	2.9199250258141	2.92604415923534	2.74668460286743	3.2655917513091
2985674754	4.29824840246137	4.18343063962537	3.61172685888433	3.86111015060776	3.35692441026798	3.50946293173642
3827476873	2.31235959276086	2.29043897437807	2.30452995679898	2.02194311740918	2.27383903217594	2.86733010342035
9973671769	0.603093285760541	0.640216434280547	1.36574516028423	0.583606509037656	0.916164595339271	0.64906738912143

SM1677021_Treat	GSE68607_GSM1677022_Treat	GSE68607_GSM1677023_Treat	GSE68607_GSM1677024_Treat	GSE68607_GSM1677025_Treat	GSE68607_GSM1677026_Treat	GSE68607_GSM1677027_Treat
4365045749	3.05586520379489	3.08217355598752	2.95532622986165	2.98285898538718	2.769368188652	3.07487932693153
6344383985	2.94869200775408	2.91485924724957	2.28168378666435	2.07690228359657	2.97038069612932	2.54581371584806
5525332363	1.22277313329386	1.96022924555246	2.70975401221313	3.54868252222033	2.80584335931777	2.53031178540248
4121558518	2.46602854312112	2.84998094380655	2.79700133615626	2.7855464492639	2.778899901848	1.04158413175288
2086391834	2.40353330661625	1.87808280827565	2.05561769470918	1.80330966437497	1.79427985712858	1.73205843656521
3189805866	2.69912192859098	2.4546929159538	1.6100629250163	1.81416003060713	2.6076482571468	3.04324785612382
0165553401	2.1456602841495	1.19020800988936	0.219743324849576	-0.0514113667652247	1.9012504421053	1.84029574290446
8036811213	0.567216130295609	0.8681015954727	0.17068921252974	0.0530274929412805	0.814301030110353	0.841938594848521
4990803128	2.14010703098649	2.26384052965394	1.61834297844075	1.98758359105772	1.13185542127976	2.67569309800781
1487463868	0.818889555810572	0.635560174589929	2.24111390460213	1.68981088930632	2.85996076102051	2.70681064208452
1599554356	1.67063289052165	2.67011588125254	2.85691771505987	2.43165430413434	2.99125891551001	2.62523714461063
1154550187	4.02965105984856	4.31967583714777	3.172811825427	3.67515638844907	3.27128794890494	3.90716666232504
5559362287	1.23261206859004	1.84383197439434	1.53111962478521	1.19314084818141	1.57704024675804	2.04140185414251
1876930877	1.22559302749095	1.41712536635202	2.09353397104904	1.88592793698756	2.15023124743926	2.74838246581409
8381850969	3.82063725663455	3.91800037078589	3.29402537827671	3.66874630451574	3.94759278588306	3.90508262280934
6279962092	4.19599525633418	4.43261807228577	3.8380381441096	4.36380075736531	4.30466251581285	4.19599525633418
35994245936	-0.761239213610228	-1.06099583605727	-0.260895723807412	-0.954324554561885	-0.925955576270896	-0.685666891873664
8309981326	1.85156655001099	2.57133064140579	3.50581051180391	3.03042381847388	2.99526238854132	3.40420923255528
1210071266	2.06824480975085	2.31631817479227	2.56821930738195	2.98662441255609	2.95061280838887	2.80372033255418
7591512714	3.27914191619617	3.47200872345049	3.14598853656498	3.03378729121319	3.27467699534388	3.53927230644227
7974360864	1.90285268716939	1.739177056445	2.02725480608982	2.0127172539888	1.78268997375631	1.70922522504257
2179269553	3.32202190741917	3.15153917079703	3.02143741399153	3.28174399110355	3.48902560170453	3.28047440382504
2389860608	2.16761326119921	1.73383959802827	2.41902577852184	1.77044936052455	0.980297194401735	2.70214498676336
3424748631	1.66883280152852	1.99664230508914	1.50616724416587	1.42761901160317	1.25551550357662	1.62267381365844
53587832433	1.49196046979527	2.13823642102819	0.351373725498909	1.45917076339866	1.45575380783233	0.809126405455445
5026150538	4.49323877733809	4.50743480827859	4.57690169435374	4.41778687277336	4.64660138111662	4.9816595842616
8746518864	3.0043353775159	2.58379115917103	0.433707559284467	2.39171464056351	3.62203236648307	3.48107624921186
4037622646	1.40259747811398	0.814523311838984	1.01743825544582	1.38968640816343	1.04124759268595	0.490942645243357

SM1677021_Treat	GSE68607_GSM1677022_Treat	GSE68607_GSM1677023_Treat	GSE68607_GSM1677024_Treat	GSE68607_GSM1677025_Treat	GSE68607_GSM1677026_Treat	GSE68607_GSM1677027_Treat
2195253129	0.872978377216212	1.56515649194884	1.26984091525484	1.90320552028994	1.33567460521413	0.986111491673339
9820270396	2.97704309824377	3.39337001288915	0.508861800179075	0.671718874991239	3.30901779940549	2.56669274134518
9410539642	2.49864384774136	3.60490341392583	2.24530812050624	4.30390768154919	2.61190694268994	4.40033585199351
3924416672	1.78761827482612	1.599174399427	2.57053030153483	1.93246212518852	2.5238756904703	3.02747193921047
4585323367	1.63882220631586	1.60697915245283	0.906731241110316	1.89826607456501	1.4801258855407	2.0051790559979
1299862332	2.52062277734847	2.13728773957917	2.46709875872337	2.31659684403014	2.16762078335175	2.64503532555911
7295649999	1.93746662236531	2.01795565138164	2.51322158522709	2.57253054608036	1.54680540027201	2.18171035248939
4209439512	4.71743738334241	4.56103533467002	4.60003874826712	3.9234159559855	4.32445966188311	4.0646309806942
22332956601	1.10663621984374	1.52497666144611	0.979670296325796	0.770939537594647	1.27551728153746	1.26461639857805
2748203406	1.99733195947026	1.8005673966552	1.44651533372416	1.18932137015922	1.68215703231457	1.3240184879279
7029678435	1.78190248175643	1.69877478029932	2.40315421521293	1.90585733078238	2.44702748392451	2.08151886416484
2970815096	2.11891186417012	1.54600112641716	1.90189123626338	2.21095545166115	1.30605112993952	1.42124728349481
7471286739	2.29608196762102	1.35546787589505	1.17072246427681	1.668976116085	0.93720176937056	1.07720046364952
5529406565	2.90861758227656	2.02052954491375	2.41036615761271	2.41355138527285	1.46147311082051	2.22408010315581
5848080837	2.89962067233808	2.80179827146717	3.40036795392302	2.92420699307487	3.37455631644888	3.2310127770701
9347648883	3.19276246908932	2.72646677974575	3.65746238008685	4.18440991904032	3.82910416368079	3.98598786167013
0910286251	3.33809868213702	3.38264853441296	3.80667496857304	3.66793592544056	3.70282496128523	3.52508314548023
5434265305	1.3537628651938	1.78598403342893	1.45786464905565	1.82889213807741	1.77896396472641	1.44975588736095
0247574592	1.84092077312534	2.46517142246464	3.21526474332849	1.75655831684768	2.64371003687652	2.52690088764676
0622357611	1.01651666630869	0.931182282447867	2.05203467711179	1.33240881283153	1.72649185822751	1.22573756112662
9148608963	4.0581393268473	4.24780236604283	3.40988799626843	3.36139453817615	3.42386014793655	3.7641353799807
2948134038	3.29858431231494	3.38689855067231	3.51013346649619	3.38464481377107	3.32200791378787	3.16701032742979
7040312041	2.95522859575914	3.18677365087464	3.08358853612791	3.0150554469588	2.93698635601307	2.45885403222405
0994633945	3.47996530541778	3.61289103933759	4.00060629246338	4.24179601381389	4.15409670938978	4.03065465690074
8554066238	2.98889797866629	3.04771026581929	2.96467667481503	2.76033821942082	2.57187987705717	2.81707230375108
8280095062	2.54614272171502	2.3683152098612	2.5001372309484	2.36861892606436	2.19565224508582	2.02941865460148
0544234646	3.30117994253985	3.32013210644378	2.90918731205406	2.72231548404147	1.84942506835622	2.85155095030693
5377268836	5.75321314002669	5.33751624318341	4.8300651526404	5.21540983811887	5.03534875690855	5.51396842677497

SM1677021_Treat	GSE68607_GSM1677022_Treat	GSE68607_GSM1677023_Treat	GSE68607_GSM1677024_Treat	GSE68607_GSM1677025_Treat	GSE68607_GSM1677026_Treat	GSE68607_GSM1677027_Treat
3609622148	2.28569275696423	2.30735090816199	2.46283970947737	2.03058997059907	2.00731402502816	1.52593253233972
6722246873	2.25846021513715	2.23490703301586	2.5940899183271	2.02108104314472	2.37093345661371	2.04342937674434
8305528577	2.65592825241788	2.47336451241691	2.92850902352268	2.8367678458039	2.80751449553688	2.99491722748234
1994428851	2.42869085057291	1.43783473834376	2.33909584532424	2.0503729830137	2.35924980624772	2.43368765814256
1492597163	2.63850150014315	3.47074206057085	2.88387982547887	2.8183569518319	3.86009030917672	3.43625122250373
2744708126	1.44457099220265	2.13277164959343	2.06787372605473	1.79717294100504	1.24409177518925	2.28007548354135
7444631963	1.90942173182133	1.4771633546854	1.19418202258401	1.14402391060508	1.33227594105279	1.40622597839824
65142507402	2.66229507100524	0.81289202234655	1.66667228733343	1.29167139775655	0.501661149768668	0.920541745464317
1387978133	4.17641714872061	3.62869351124058	4.47803204816287	4.43935917921523	4.39132176567806	4.36862356002498
3535574872	3.98093238598582	3.54028498266565	3.60533518250903	3.84044588410466	3.5961211404681	3.38446638091021
2992439984	4.54238710684673	4.46550819023382	4.86671478873307	5.29227896380777	5.16402123859238	5.09159413522485
0152587006	0.799352981579789	2.204336947184	2.19264586402088	2.41109617644405	1.88679858983529	1.96337458246246
1001698187	6.04291277305548	6.31342662067173	5.281175118329	6.10185653570778	5.55391648061359	5.9255014035093
0890435593	2.43619909004654	2.67413870957983	2.48644873556655	2.08140796421758	2.98993440665102	2.44745178591115
15686592015	0.558579807995528	1.45830292514979	-0.0322231304210325	-1.83768202745119	-0.0360128648411314	1.14182254643706
2121877918	2.3533167553858	2.5248444850991	3.67582116975393	3.82254817078228	4.13182831958567	3.99156774975112
61373733412	0.312232678180581	0.956130874715186	0.532124162922209	0.705575628352706	-0.0384238268308734	0.366293737555679
6212420247	2.81521778525004	2.75138631398738	2.69096145660186	2.90816185598323	2.58050172257037	2.62122632416542
6762629723	3.02078231161245	1.19988404955978	3.23235276876776	1.22165261450063	3.46114193037623	1.80815087606388
332700840946	1.20545556965506	-1.65056296700882	2.12007875104129	2.70725042621072	0.845079286751342	2.34751580490336
99875741331	2.42145215371059	2.00129960242476	2.03961075769889	0.72520370042392	2.57667318474045	1.85061100642165
5249712674	2.59715937319976	2.89421633172681	3.29435505097465	2.85865509115951	3.34037023616751	3.02957341441574
4515228667	2.17275909266033	3.11261751495923	2.50728776331605	1.83870791223473	2.66162586347323	2.52333704010784
0227099859	2.78821743384248	1.96502280198537	2.04526920947758	2.72751044091411	2.61923554530172	2.5706057908237
2292593695	3.57993794970293	1.01134024107788	3.7214214291408	1.17434427856058	1.75361162025134	3.94566412065765
9241863805	3.37712427162527	3.07232170587889	2.94897375995934	3.21807527951087	3.08217719998236	3.29669515778246
1074615394	1.63748015987403	0.958997805803915	0.399875478131284	1.58477967391588	0.997790838699473	0.752093679104269
1324121857	0.973800973378498	1.20809569014674	1.35339258899822	0.463596230173288	1.86871846995145	0.262586472290365

SM1677021_Treat	GSE68607_GSM1677022_Treat	GSE68607_GSM1677023_Treat	GSE68607_GSM1677024_Treat	GSE68607_GSM1677025_Treat	GSE68607_GSM1677026_Treat	GSE68607_GSM1677027_Treat
9431202004	3.37276609687199	3.06194019907982	2.95538307438502	2.69512954210178	2.85787774794262	3.03572710521505
68972134457	0.891117612885752	0.578155907664271	0.848335308812061	0.625086300445561	0.466070169779379	0.526927284966838
1722994691	1.73839154891958	2.02504397024773	2.67665981808965	0.595712432256477	1.82611999200867	0.405725519548271
97162001492	0.906593884016247	1.85460494017684	0.964854262554651	1.32871342247731	1.12963970090824	1.08930062030234
1662660033	2.52587575336684	3.07364662347982	2.52523923281763	2.91252042854841	2.17691865478855	1.5249876351217
19610900168	0.429593022238333	0.683252043483123	1.8357083580743	0.154758903860736	1.0196630721853	-0.0956571120404903
7732737091	3.6056275066058	3.51003883754058	3.90507908021853	3.76633658304069	4.16955373635763	3.71791030671931
9769709255	3.35238326714107	3.16390059773415	1.87077594920484	4.02032500566138	3.50966191520307	3.45843191874031
6613770077	1.16081599285447	1.37709844364474	1.66565209616885	1.38521593019926	1.21493892255015	0.833221420912496
2603523946	3.29397389469174	3.60657073689604	2.9139909853372	3.1447837550549	2.97044746864077	3.07273990719169
3431909502	3.07718831460339	1.53820926688518	1.18132731640333	2.36913336633429	2.42460538723801	3.43054704269317
1462703114	1.89507146549556	2.14970177728714	1.47718148971041	1.52250021416977	1.53382487249249	2.7973754606402
1564779568	1.00806592647398	0.99530459347581	1.20598739414625	2.01945511962632	1.29368793193217	3.62753837259242
1219732472	0.475521425906194	2.15757596253694	1.82384622483577	0.869181026887396	1.77677911136027	0.703891334611708
3673012411	1.69693276132619	1.29998395549553	2.02844352655606	1.85058499079297	1.9073509881884	1.76364474960505
1568427931	3.53542438387835	3.34482116131556	3.66916165814867	3.21625405503516	3.50867642481831	3.07165061663206
97079339544	0.506850932828304	0.656225511993346	0.208360783595388	-0.0235412803032508	0.528145744298169	0.727689143979922
4328321637	2.55518518044379	2.69339337112099	2.79609495809699	2.44120380608269	2.53829746081837	2.04001337492506
4530306185	2.88272767403551	2.01865173164808	1.89653231437478	2.95564828199457	2.0495407008401	3.3342484871293
2096146492	2.31004142436811	1.6558715744692	1.63454426504397	1.93118015196987	2.25488209006157	2.0080761770543
4164567803	3.44149099997534	3.65213153601994	3.22725117642871	3.45456700685385	3.51366827532698	3.56566989472169
7119600232	1.95932971560259	1.05191087333735	1.72019022351395	0.888123672094599	0.57683916470566	0.76706405400947
3698961333	3.19239275589918	3.57001468569095	2.85610853432287	3.2404252543174	3.53736436294167	3.36935299312565
4929806088	2.50248750986452	1.89325669592429	1.94533756408711	2.4033523373756	1.15238669404555	2.20924880240803
8261772134	2.61443728138245	2.6058745396573	3.17088731064055	1.96507695305392	3.5978167307817	2.84912418414697
0675613251	1.24802657806247	1.61246569721251	2.12052512204828	1.50903661112045	1.17645623318508	1.97727287491304
0689291272	3.17211165414671	2.77269321790736	2.1123265880304	2.39070707103654	2.28027190972762	3.40311099407451
2911887694	0.360346888272411	0.919344180119878	3.03466689922621	3.45344679583278	3.06589141736139	3.28619983730028

SM1677021_Treat	GSE68607_GSM1677022_Treat	GSE68607_GSM1677023_Treat	GSE68607_GSM1677024_Treat	GSE68607_GSM1677025_Treat	GSE68607_GSM1677026_Treat	GSE68607_GSM1677027_Treat
9140247984	3.81385932171062	3.76552916952634	2.40330251514342	3.56235557708627	3.33667275352504	3.33317155408588
3075799319	1.66288901243203	1.54805493493253	2.49992452619369	2.19103450246995	1.32924878241006	2.54528598415573
2421053496	3.05275073756889	3.34951985057596	3.17363697490493	3.20051908575077	3.3346957506687	3.20871978318787
8288416176	4.04941938511847	3.81256730351862	4.27785717883624	4.13462664962007	4.30312235058228	4.07141071860467
3001422548	2.91414036267818	3.36600610775951	2.97074737270429	2.92567417251773	3.24985686144575	3.32233072078828
3203583154	1.65995276941244	1.05369687827596	2.6146485881403	2.38919947062516	3.18966530224871	2.78301149095986
7567011159	2.43538211708134	1.9371772427773	2.91375973146086	2.15612891775494	2.40975909319885	2.48769319825001
3325125081	-0.109788350063452	-0.0560572157066048	0.468788466591486	-0.34855818005662	-0.0706096796184247	0.404926145184254
795641004	3.41461669232774	2.61658042155664	3.94452743048329	3.75872771036746	2.32711210079456	3.65544093601408
7720695232	2.08322083016341	2.04972040528824	2.08524036703675	1.96771207635414	1.94549907442099	2.27161702584612
246045041	1.61199956447393	1.75154143753262	1.56645526900967	2.17867295482276	1.30094445701174	2.05735708129325
4414940924	1.5078760128961	2.31921452736241	1.50466156717661	1.43751894807164	2.18253835674693	1.66051242476591
5765472452	-0.423507021141493	-0.477039258257518	-0.80787596580186	1.33139542055426	-0.288365868875915	3.03709537413778
8956274257	2.76412049131937	1.59857736481297	2.20109460179351	1.9742566030534	2.3252481367674	1.63509121723941
1743656742	2.4673641257267	2.61783819034662	1.27264586919797	3.31045767735322	2.14065700933114	3.71916623303588
0243201685	2.88758172505391	3.1095866673892	3.03709119785612	3.5104462939302	3.16322406460532	3.2045569006629
5487013935	3.14635937285539	2.64358956547875	2.57043235882965	2.87678836392937	2.84781002429379	3.38673274235813
16468815416	-0.353969710875171	-1.36833549946368	0.529322958702235	0.665539905246246	0.788293063172698	0.156179133454036
6207028926	5.05333244893736	4.81258192133991	5.48169583170928	5.2820887013725	5.21960867050416	4.92059863274833
1208015386	2.93986266807521	1.71749347833034	2.45309022684634	1.93044713493308	2.27186346832199	2.51956487234793
4697281594	2.43620572772907	2.15191778963055	2.41092966342688	2.67868275980861	2.47744179275423	1.93888775032954
5051360396	4.481044832631	4.72213456076907	4.24562614188393	3.74928959850641	4.17326456342163	3.82221950259988
1604713616	3.23031737457407	3.23964950344947	3.17417583041044	3.20392966387648	2.97313363373308	3.00498527864534
9587333006	2.60943046791188	2.8706052827215	1.78271463058377	1.94954749201049	1.35665093936499	2.94174043556367
7355990939	3.74343114161838	3.66760710083829	3.63721736346551	3.56486409955405	3.46406858337949	3.52343313054967
6386815752	-0.274521503642178	0.191891105305834	2.00161921711145	1.84816474482336	0.865484498910253	1.33843714625831
55297720152	0.45555495675327	0.459340515960269	2.15104493855435	2.15651528894356	2.54192400455443	1.74843336687433
1710036094	3.55736886129461	3.45192592075005	3.23341874666103	3.3762705229852	3.18278546236331	3.1007093850182

SM1677021_Treat	GSE68607_GSM1677022_Treat	GSE68607_GSM1677023_Treat	GSE68607_GSM1677024_Treat	GSE68607_GSM1677025_Treat	GSE68607_GSM1677026_Treat	GSE68607_GSM1677027_Treat
0845225181	1.95856367424528	3.27480305078658	3.11965285131385	3.12666697939793	3.07974829392195	3.45683155674034
4230534661	2.97709301686984	3.01864970378455	2.89105344233815	2.82573722114141	2.70451121731498	2.7130324141274
5672968293	1.8809093845345	1.21247320739799	2.28656043754341	2.74810234095775	2.42108113557696	3.00018883766755
8097099278	2.07308815145816	1.98591131998826	2.11904854921301	1.67942439081516	2.4940081271369	2.37595730056699
3982207528	1.45894544660625	1.10478177442203	1.36126371917894	0.951209311135763	1.31552313164172	1.40518980523913
699095705	1.52195424929186	2.89420840533201	0.826826088714029	2.55879532727307	2.02142384200952	3.08715056464248
4777585407	1.95306516176214	2.26717356142291	2.95424510992737	2.58375598499987	2.59391319240879	2.92988261921301
5238565286	3.46128136554785	3.57073311424372	2.34982295626463	3.72999051972391	3.31117581650182	3.94379193576095
7788006679	1.85546737415605	1.3853481251172	2.09631773170048	1.70099374613249	2.03608795948995	2.18425886402224
84577979014	1.35723656397042	0.886143620181139	-0.154848659898889	0.121963865319549	0.206594021528251	-0.399780829247957
4813720286	5.48530051879228	5.88730794045415	4.84229352072237	5.93404973092546	5.1758023584737	5.81158234700619
6632236075	4.85007339346342	4.73463107177359	4.37699104941546	4.31569471379377	4.69796119946433	4.14766794413391
9990678866	2.90500539825627	1.38747297263228	1.68006500935525	1.9540707419237	2.50373027423878	2.60221841614161
2687436108	0.314828683023122	2.33910782477401	1.61596716481162	2.71764216670584	2.44225940582521	2.35185349315694
9050003489	1.16688390446829	3.6082697469622	3.01659893405089	2.79341221932856	3.50827688900693	2.23475808163375
15399612506	2.37069196751451	0.504388434046426	2.24246777979559	1.74483846473386	1.86790506337473	-0.0818598986228662
9414358483	1.73514906649563	2.51709506608858	2.49791457684698	1.71654145340368	1.74103978961194	2.36085409444162
75436237232	2.25029419855128	1.29657263072019	1.11396191943832	1.98831112142512	1.66726384483429	1.97706360151598
388167703	3.04058281763056	3.12392448948521	3.10889196099195	3.18466637797497	2.99159358954123	2.79571039731858
59968490937	0.702148429956125	0.610593001558819	0.909672031370959	1.56101909329137	0.991351534732743	1.04385031643323
0134405011	1.80305134963461	1.57286940609727	0.853380582140908	2.21746999105928	1.33935879186602	1.89117540037185
8620318096	2.51916953208152	2.84865449071796	3.29456428685665	2.37215040555559	3.03267835870006	3.24813523502934
0114568024	2.14358644547427	1.95713869299196	2.03045743997289	2.04551409197032	2.07329973948797	1.23642907679526
9122596301	4.26874126277215	3.69634741392966	4.07905542805871	4.70436396612547	4.48963838189834	4.52562837207307
6223618547	2.33957595425135	1.86826228726462	3.41085818827056	2.78526524306465	3.12578988621137	2.8783788100776
0291352563	2.35492231071106	2.76291872690765	3.16383220932264	1.62807460004036	3.44178051508756	3.23203000954805
3898138808	1.87507233989214	2.22835648891909	2.31768633892801	1.46450189858414	2.50491158831305	2.27276061007333
7706605858	2.98777863519481	2.89927453110865	3.15961850215357	2.35777615217545	3.14046002703097	2.83454104617728

SM1677021_Treat	GSE68607_GSM1677022_Treat	GSE68607_GSM1677023_Treat	GSE68607_GSM1677024_Treat	GSE68607_GSM1677025_Treat	GSE68607_GSM1677026_Treat	GSE68607_GSM1677027_Treat
6167025091	1.81357847960335	1.65040928122785	1.74910044055871	1.52967939263039	2.47050344393343	1.27389923266368
6561103649	1.079443163073	1.15880303170184	2.85059961004883	2.55466560360934	2.60097404262789	2.62665355973247
28573067235	0.160888761760588	0.490949629979741	1.0123806481522	0.0660909204799132	0.276978960055295	0.370030264949522
21955647626	0.402713535706292	1.2694321713837	3.23264481814642	2.15351117705516	2.0741712261436	1.49978769361835
3887041796	4.02841043425385	4.01566442962767	3.78615827544065	3.83568710981186	3.64452332933899	3.66858196499992
4754074817	1.46235972830569	0.599996025105597	0.989128063607275	0.492561370415015	0.204668735961573	1.14472566190821
7457094848	2.38660340425369	2.38551220536408	2.8005334217188	2.98776605487288	2.55737006636079	2.04367236666081
1618750437	1.40124467509821	2.00349229163887	2.41070992379024	1.77524967627491	2.15321447561752	3.06417006340878
5795518688	2.74971770230854	1.59554350910284	2.64119853465375	2.61016116193723	2.57398246569195	2.61947461490419
72752056175	0.591921828189377	0.874029929671886	0.53013380048908	0.860574869981026	0.165708638561955	0.594863635613174
3525191757	3.56958850523824	3.59262829165301	3.90379631181715	3.72240525116265	4.02430628064041	4.06836765451555
3344881627	2.51295028720405	2.65731333791327	1.62942726894471	1.67244996209549	2.00624838609924	2.24391611016098
0754706483	1.60700767570305	1.78747026142259	2.22642919450493	0.946704111190137	1.89238548672404	1.23623115205755
1618655192	0.987104968024591	1.05352545064931	1.27172327085462	1.40730870944408	1.05049902980868	1.98426997670973
20651016063	0.22445247651674	0.448160257157252	1.71795312738216	2.03217090867286	1.07518423092864	-0.069284749756461
6367944925	0.518324453001646	0.342088812714203	1.14365208854252	-0.0202823387140443	2.51841099356954	0.737386228207228
6855240997	2.60713613769377	2.42776546748905	2.44705503301076	2.4348101677652	2.27055790326706	2.31089348328262
22876927479	-0.510271619169508	0.138211772120202	1.08513965409625	-0.824461495983035	0.822015792501525	-0.812069121146359
1958349805	4.1197446582928	4.62329397743456	4.03393918826409	4.91261043238992	3.70963835598371	4.29045239074543
4890363391	4.38845207996981	3.728266839797	4.73368571834228	4.80752209685453	4.71439251432554	4.70204318712248
8844674569	2.1425323964798	2.28481461073722	3.03632252994215	2.1949999220044	2.76890759321761	2.50365434531778
3828604819	3.09034217908305	3.67041469983823	1.5058084088312	2.46771800336296	2.92004742956463	3.13662337868331
3740635568	1.96197105213637	2.34723528258505	2.2517486952363	2.22437193767095	2.67799318391669	2.72340465936452
9388198933	2.80444228542786	2.13748481952975	2.09443071077313	2.38227489266173	2.64784863033654	2.53541115057103
6408138659	1.49436167922466	2.49564416662596	2.21715301337	2.10686996228662	1.86958915171269	1.92711317685028
3086783039	3.52378522147985	3.5519444414464	3.8433422751095	4.09365905442191	4.14476646619963	3.6584398513672
8999637171	1.91747356965367	2.28882776785581	3.2941245224723	2.22731117455735	2.47755491865506	2.3418872442534
1215034427	4.13758217111111	3.95342560765656	3.84726940993243	3.9443294763999	3.67535785888601	3.60288721508755

SM1677021_Treat	GSE68607_GSM1677022_Treat	GSE68607_GSM1677023_Treat	GSE68607_GSM1677024_Treat	GSE68607_GSM1677025_Treat	GSE68607_GSM1677026_Treat	GSE68607_GSM1677027_Treat
3019918885	2.33648710638898	2.80690492099283	2.17314224768904	2.15293369774349	1.83430451627122	2.54906703781848
6216191681	2.28327940281489	2.57651870719743	2.19630913500675	2.42264261974283	2.00140624543433	2.408118269531
5425816002	2.05313728323671	2.01817973390864	1.92515700153685	1.96110814695086	3.68001940891399	3.75734722847901
6537968874	1.24313185852137	1.83584720457489	2.0090661629711	1.68404561964282	2.03904376430752	2.32618511451501
3359766177	2.18955709153296	2.35174780142357	1.72502050477218	1.634771473561	1.49700547786242	1.09080970345444
4354989847	2.45199084218503	2.31271200539597	2.92468830173916	2.53415299901601	2.33491264187024	2.08294803202661
0831964665	3.17979454421287	2.46767722582289	2.89927078725364	2.84493476842555	3.03027480282019	3.64226477081405
4435081766	1.1410450392056	1.49654279743028	0.824878665327754	0.507813557788292	1.84167015117589	0.649587824396294
50201613383	0.331861685841783	0.0401363697302374	0.351319146371156	-0.0566282393104918	0.110186875181808	0.599400490244769
7597583144	1.72152689350704	1.32746060200114	1.82933934108631	1.29173377149914	1.21215003844827	1.00386766772354
9117875332	2.18436209453333	1.99639403289555	1.36954274999519	2.18753684574076	1.73580923729458	1.40066490763151
2538827629	3.02485670845611	2.94735682940939	2.70557079607441	2.7940290129491	2.58268917593057	3.64335028245546
2058576553	2.66724185616502	2.54575919846985	2.73081737715182	2.70942496804868	2.63239780661603	2.39392327366588
2882617905	1.87511011073668	1.28246766092874	2.12525926918053	1.69839384840429	1.96005499103472	1.85408685306419
45525298569	0.830552993286666	0.718698467540135	-0.195903963322971	1.40237502866872	0.807305907228424	0.740416245467701
0106324743	2.61492834564454	2.75603466044603	2.7240553026063	2.71884413659986	2.57607928437115	2.55260357210866
93776589144	1.0348488668842	0.345731247547885	0.841175827710366	-0.0681513158296525	0.161419690592922	0.772304438317082
7549080516	1.77754800898222	2.28114145140827	2.53441828963073	2.09635057171487	1.61281725209171	1.7075303447458
4359228432	3.85976969587348	3.51279663916756	3.85859020813753	3.48765559718698	3.8389133880709	3.53757955176274
5504740442	2.80092674386993	2.96140134868125	2.79604660980213	2.78493074804027	2.7079069085796	2.80425665740866
6875711118	3.35186969143975	2.20815929583094	1.43029979623469	1.56663460083213	3.69103006127015	4.09647331846276
7517723703	3.00716312726506	3.05236744636542	2.71733574462714	3.05526698960269	2.61498553619396	2.8133230249808
4568339493	4.47170038135643	4.29360332592733	3.64661546701392	3.64467608839265	3.96502739595226	4.29427101091976
90156983845	1.16427106741468	0.924264312865391	0.943943547721763	0.922061046223979	1.06687386974023	0.79940680843509
4159884644	0.48908431469313	1.13394254744052	1.14641565588187	0.829971058128952	1.48163371259223	1.66901257014017
5746567442	4.59433610251362	4.52579445716223	4.50703099859434	4.84433602486306	4.65264644358804	4.79875665978361
7311244316	2.19853020521048	2.58396189222104	2.08594371868033	2.02837082238394	2.89822630619122	3.06114244900166
3404923309	3.61146742863932	3.75894038318036	3.17006712012027	3.81487367032068	3.67328308928727	3.59048314330775

SM1677021_Treat	GSE68607_GSM1677022_Treat	GSE68607_GSM1677023_Treat	GSE68607_GSM1677024_Treat	GSE68607_GSM1677025_Treat	GSE68607_GSM1677026_Treat	GSE68607_GSM1677027_Treat
3737847312	2.97056430112025	2.57362190015784	2.80833626895398	3.01862517461282	3.11976729880635	3.32566563594769
3987735544	1.23373470843473	2.55764080533316	2.69813146119359	1.57565085734192	2.59422128380228	1.21139671187949
5106097661	4.06383564425417	4.02261960590996	4.180768537729	4.39751835835188	4.36450514871616	4.22984617294258
7772976938	2.92906185413132	2.96313791645268	3.53066327868165	2.77682222117045	3.60122596577136	3.46883336688608
0465357658	0.256328625140634	1.62622408180519	0.513331048268743	2.2005289544427	2.27675049026792	2.21856517551063
1661594526	2.84286956983903	3.04245191093937	2.47072126015153	2.65521341697489	2.42915131099041	2.86829590397989
3557905036	2.72620189859416	2.47857275114722	1.7604092399917	3.84988263439068	3.28151140056704	3.95240771274795
4827910626	2.29384247715414	2.70406246745199	2.69072881356501	2.57621207139635	3.00088733721801	3.70308410893439
4176422916	1.21146682344286	1.26965919775573	0.892523665480223	1.20143310827806	0.851881096889642	0.885939621913652
5026992097	3.68231993740567	3.96521747593518	2.19636000804749	2.50416511572382	2.37336284875521	2.94584842143597
1249647033	2.93740306926571	2.55967046765843	2.77499125252473	2.20590976910622	2.06128735748143	2.24226626985231
2988834896	0.0024028278635842	0.16866567134257	0.0659052102531711	0.0054475663451266	0.567079109575569	1.15174550698445
3946532829	0.997534629046754	0.373391445251192	1.06928906182712	1.61457978442879	-0.180522870414708	0.992396708374279
8025697456	2.65084700643228	2.68659607457327	2.20915520397324	2.36213235709067	2.66617544172396	2.35523425964951
5967391477	2.32621306678849	2.79758366289519	2.46134308329403	1.83603114262304	2.91526416797538	2.28705459012918
4013886334	3.28505694095808	2.91123520239058	3.32409471999102	3.19110104563878	3.16721753539446	2.84377716166725
5431000687	3.30707060102434	3.32585957679878	2.91017316409275	3.90050936124873	3.84134497000791	3.94498286730626
2426309126	3.67534174981522	4.10317649480506	3.56258415750712	2.96794700015966	3.55520093989292	3.30074904244515
5699572772	2.78014418603445	2.09638915151061	2.64729342005601	2.87339110087258	2.34118141646552	2.34406443412781
4540798223	3.70166330063105	3.78553094983615	3.55644269612108	3.62149233828751	3.14286812142898	3.46138059263811
3590232666	2.70733944889632	2.23198963946297	2.48478689900115	3.30914929162471	3.02110878238543	3.47134294054681
6601111307	2.49840751419304	2.80670186918245	3.11312697580245	2.47790009605624	2.86277208781345	2.28963102314886
5979366315	0.680552074459235	1.86741926692603	1.50638063853995	2.36281806114109	0.765025176413262	1.90948016996584
5987691532	3.23627932402083	3.11195227824973	0.207042161248241	3.95309080624991	3.67629966929219	3.87278791543982
4351668903	0.220509913664242	1.02725542303718	1.54372918894204	0.392796037051583	1.11516240056909	1.11940590760331
0258084084	1.90195737869666	2.10958385051188	1.43452251302321	1.17681656350924	1.61228877609079	1.25787746971514
3253888118	5.55386891588185	4.4134532402654	5.11219340127781	5.09752817316258	4.93618744785203	5.02215062650123
3125030967	2.13913412651016	3.16660492593669	2.05461609944889	2.49375451029329	1.87225087815233	2.89708285066259

SM1677021_Treat	GSE68607_GSM1677022_Treat	GSE68607_GSM1677023_Treat	GSE68607_GSM1677024_Treat	GSE68607_GSM1677025_Treat	GSE68607_GSM1677026_Treat	GSE68607_GSM1677027_Treat
71180124302	0.898523525136721	1.70718346436391	0.5130429073703	0.287225837480844	-0.204871071496905	-0.251409983646576
5686524384	1.9144540131246	1.8288200667337	1.22988057502737	1.6197512706671	1.38865534468315	2.32542022438923
14979162437	1.32936374788886	1.04343043621734	1.12673755277959	0.720691869847874	0.536119890677577	0.558729039225647
3940033642	2.75836082641819	3.55362815155212	2.89505790060957	3.60737060691561	3.78314720809106	3.53758317752112
6363506274	2.40264811667281	2.46002457226428	0.808197746691177	2.28208152116984	2.05199569550926	1.72566009038756
8784593418	1.36042607822882	2.94814098858827	1.86455412535391	2.5740517242182	2.57558905701552	2.46795504404789
3314290674	3.43687542730914	3.36550519875337	2.96950304887162	2.96901763705731	2.85101105144162	2.92799485230638
3947859491	3.54490342120365	3.2070598879977	3.61116326444214	3.83523408416509	3.51443945824197	3.81053819266134
8591439017	4.28135411035466	4.75662530022232	4.37664458069383	5.07599461030273	4.81236265905141	5.11561940257222
4960765011	0.724640946929501	1.58785298391924	-0.514399915166775	2.45939607205942	1.70951710829833	2.15220156931101
8074934616	4.02446470086716	4.33290082270525	4.28871871456479	4.24334979896274	3.869519650013	3.9715048721803
1654767076	1.88761516278207	2.0516228881245	2.3968147825869	1.43342328873111	2.20068856633471	2.22137992001021
2873719059	3.39458058998998	4.07268723847415	3.75181521397738	3.74016337629671	3.98183959249668	3.82057652371148
5059407619	3.19206212672117	3.02091893055583	2.72272701502568	2.8200946837798	2.67861927217346	2.53320766784489
2313930122	4.99432212688206	4.27681069634146	4.56733882435005	4.05505285039678	4.37549792989108	4.24467149006523
3990129893	3.66450930261891	3.96440144672835	4.07486014182191	4.05573829759038	4.3696439370478	3.97605380165509
9607000193	3.40843796644104	3.28396752454418	3.09754788847207	3.18513589294659	3.0676783481787	3.21197673895245
0400619264	2.21860250139684	2.10486464626192	1.97722673692825	1.97741778305762	2.20619131087531	2.1146260481894
0362361488	3.26537138729544	3.21557296361454	4.54454655216762	4.2723852424559	3.97062570395553	4.20122126238405
6273587231	1.45798754798863	2.29152403214446	1.22911997273554	1.06109177431024	1.54541817204062	1.77608355029217
3576338936	3.68200529237886	3.87264081321993	3.38922203055421	3.17663910288393	3.52286173372156	3.34446322655093
24441700472	1.81141865917125	0.679253544195974	2.29742129584059	0.315350518324383	1.10620102694843	1.70805382149974
7035061965	1.46815626552185	2.29813124172292	2.59196774566985	1.39690140623099	2.56744718292867	1.73396300226746
4010050703	1.73735500449052	1.46449533993937	1.53943845407943	1.24364582952277	1.17330942632071	1.34131190389018
5056984465	2.33415689491411	3.41941069970378	1.81113733434101	3.34306189397612	2.65098898242495	3.6575479190472
5592067047	1.17254248946112	2.50902098181797	2.93491276679248	1.54731145315945	2.86052705806033	2.46301672997249
8754756942	3.49052585609938	4.50480129720477	3.89809368287025	4.31537889270553	4.21176117365549	3.6359750648584
7651097338	3.56680673646901	3.45951387433984	3.39965560879726	3.25162864039635	3.19349597103547	3.3444388644626

SM1677021_Treat	GSE68607_GSM1677022_Treat	GSE68607_GSM1677023_Treat	GSE68607_GSM1677024_Treat	GSE68607_GSM1677025_Treat	GSE68607_GSM1677026_Treat	GSE68607_GSM1677027_Treat
8941152436	2.3943738605005	2.27101316459386	2.40820464055389	2.29949220736535	2.10336882714144	1.8417432692354
2403167087	3.59973565024928	3.60343465418688	3.06463676939104	2.97016665871714	2.77998021687073	2.95445413095146
2830497008	3.12072179212108	3.05912827497425	2.64202725672656	3.2329607863513	3.11689495767334	3.72011915834688
0146874272	3.67363340358897	3.67760933219265	3.46972829444572	3.26748646251112	3.0969239865371	2.98610747000764
044609804	4.63113689052881	4.11602989329254	4.79728433869135	4.813516572654	4.45941361208789	4.75852247793782
2939817023	1.31440719344591	1.21578545996862	2.34491762580405	1.22334595207765	1.08722588939226	1.01498361508723
4975752183	3.07680688994146	2.33855483088551	3.82219566250297	1.55561175887395	1.91220487046314	3.58019124485916
7919697281	0.794379855371194	-0.218114321773633	0.691168707230014	0.43339536677506	0.57263166610626	0.472148482830136
6427605427	0.283633806183657	0.764488980464327	1.25003003895961	0.475404265960134	1.8804082818842	1.29395745453574
3459766675	0.971441308375558	0.750248973176423	0.603560048799817	0.608058746739381	0.516037552309471	1.25457025123846
5177461694	2.4348007496117	2.43047998819706	3.15071210157535	2.46438140950048	2.80590786829618	2.93308958836596
3685119764	3.96771030406218	3.22407370514246	3.69835358586589	3.13948450270019	3.4569086932636	3.3533389140667
2383413739	1.99311617889935	2.49884275327387	2.00437372342057	1.56085321791999	2.30586420504301	1.74114472343679
1172694446	1.79446645868498	1.63871374208851	1.65907235075878	1.67927877149844	1.82865360692728	1.32672210252163
58203461809	1.10469499415906	1.3936854276767	0.972617870083281	0.745680083347035	0.815411609908526	1.04741803546455
2468161259	1.23992516490099	0.84484502289313	0.617315455842636	1.11514416283284	0.965521365426718	1.33696141721295
4316633293	1.40660249941749	1.31780542407509	1.44314179933181	0.970762259214683	1.13619744402282	1.13324871896982
1789102762	3.31725370173638	3.34518984742365	3.18943515831533	3.0768065999233	3.17691246643089	3.2884610755915
3031748314	2.03236294573426	2.10741533806986	2.71426474348418	2.49141223690478	2.88319630747323	2.70621828231908
1636528321	0.868262330053352	1.45070570307252	1.80607656125004	1.43062154755682	2.03551295588819	1.52148520172076
0837530771	2.1151530008623	1.90781089550077	1.3658852033164	0.716427519724182	1.83000739506036	1.39112415313477
9067504405	3.30027866597976	3.24221209659313	3.09047300360787	3.70224737489192	3.53912319254958	3.68349910216567
3970998936	1.55671764562664	0.540867382844473	1.37811792776765	-0.0751943599565191	1.17059016936477	1.21330769036108
4331051816	3.87726407196581	4.00596927266087	3.40028878459499	4.22915540930713	3.83218683186854	4.31521913069698
2069132136	1.2050310137093	1.95547978402263	2.3606728419421	1.85563714341543	2.71995448820869	2.33137750276622
8902948967	2.31303438082972	2.11075039048491	1.99895825471384	1.2949226614978	2.09183355741847	1.77713721155387
7893015416	1.25826671584796	1.88703801840006	0.760763637462975	1.10946767078969	1.56728245456056	0.857782580647618
5925017048	4.71582257924288	4.61844717515137	3.90525129163124	4.48629558308949	4.02472995121636	4.53208908291815

SM1677021_Treat	GSE68607_GSM1677022_Treat	GSE68607_GSM1677023_Treat	GSE68607_GSM1677024_Treat	GSE68607_GSM1677025_Treat	GSE68607_GSM1677026_Treat	GSE68607_GSM1677027_Treat
2462230843	1.59795216318871	1.6719953535695	1.49067059487508	1.26134250751612	1.66482569531781	2.51910107018071
2994859422	1.30045878757427	1.91628289518158	1.30541158911866	1.24503534339692	1.85499292527081	1.37672200802101
5565222157	3.35509930380001	3.65193459201555	3.80291347172588	4.51529544751963	4.18611323049607	4.13486341029582
15136437343	-0.325145544723299	0.0912720808195957	0.847334305483292	0.274951261321551	1.51297912569681	0.0284948127930805
94547396933	0.278846993250623	1.76096367172322	1.88163450697112	1.93636552670562	1.19676052966416	1.58510456118495
5693594301	2.50433739801043	2.61210304434763	1.99001429368149	1.99181539562697	2.22839783626242	2.65548197732303
4286968371	1.64122627633	1.83183901108553	2.24553426112099	1.10114578789124	1.22390057645222	1.83217404206849
52960739915	1.90706060291337	2.02750321946947	1.70978166528636	1.95829978785511	0.486621688894642	1.72492633116778
6895955851	1.1940042278072	2.26659964936739	2.01745992327273	2.41212640111753	2.20047948563111	1.56444351433781
3451223003	2.65714032461041	2.65479006635485	2.08471322186667	2.41471905281926	2.24910448986551	2.14354372665971
25038022725	0.808729424497069	-0.207360766446015	0.989479701275726	1.6090219913927	0.891134178588476	0.838747331965532
0305510574	3.18084307743466	1.73880990223781	3.84260225500969	3.06840536694642	3.3949650876572	3.50182400736052
6088963495	3.18236345717859	3.38506064634561	3.29581162552091	3.4236866937121	3.24036488541588	2.85150103706695
04202023482	-0.0904093927152341	3.04952162834544	0.360121211938891	0.544222724499332	2.61866355354853	1.32241763763995
5959908503	3.69723856083919	3.11754559343685	3.17739909617689	3.04440726857534	2.92148340470691	3.77365867374559
9676649994	3.48683042282485	3.64439978170862	3.37114330466127	3.59942099979782	3.34338868809272	3.48212291873951
6368973208	0.80870820663063	1.98819586005536	2.89936061001495	1.71117561694813	2.55759819646771	1.07658573829612
4761354886	2.5841024402897	2.9168895003219	2.20482920581306	1.86993878794081	2.12410911048854	2.68986936661207
0894331031	2.339545486641	2.26500771950793	3.32034044933522	2.05623238760024	2.21586861753526	3.21469815493117
7483571277	3.03232117794675	2.72643323025916	2.66153076297564	2.52192744652048	2.42824621052206	1.65858355891884
8091783016	1.19030855797805	2.74917805345415	2.60850671374806	2.43760166449928	2.54130204544269	2.21585343594086
6243689025	3.33946678465807	3.19663615263549	3.34786923807212	3.09782068639788	3.03657354341139	3.17671059628668
9817960043	2.77089024626065	2.81943878969011	2.7975678535149	2.6762846503229	2.50870892913575	2.48476848856588
9854693354	1.53985325744647	1.60392679757161	1.28462765973548	1.71054100124384	1.67557572329566	1.35598184202847
4653917311	-1.13008691052684	1.18338245991032	1.23729890364097	1.02025390840006	1.9554387131318	1.26912060613672
9640386868	3.19554532810089	3.31161934187766	3.45501965038727	3.3388590711465	3.49887713509367	3.3988498741572
9998867438	1.95379122326871	2.82292565356749	2.11272385180295	1.86965861565436	2.36857513345244	1.99779015591686
4722633344	3.60514073432541	4.83181171949772	3.00356672971399	3.4477311602936	3.82310534905385	3.78901090248647

SM1677021_Treat	GSE68607_GSM1677022_Treat	GSE68607_GSM1677023_Treat	GSE68607_GSM1677024_Treat	GSE68607_GSM1677025_Treat	GSE68607_GSM1677026_Treat	GSE68607_GSM1677027_Treat
3103377343	1.72884995009063	0.989381594994942	1.06222244264806	1.73340305590642	1.16860577614713	1.87426814321935
4494909349	2.15709347714081	3.09507656887222	1.60754810958822	2.2664049252814	1.52791183537317	2.41390960927199
6793321219	4.34124748192393	4.17369465588325	4.08759934573392	4.18548123591101	4.17776118659848	4.27754815557701
5744063952	1.31276759356424	0.995875320693189	0.835068749795028	0.757204450879604	0.36240271455491	2.3163140858556
5363313249	1.39473342382986	0.0591682791311847	0.718916511241838	0.896579461440532	0.932591147308356	1.91223512594778
9490568591	1.93354522602115	1.7443671692835	1.73851164479472	1.59254047844253	2.42390174514511	1.7129454821622
4412096195	2.05219579198331	1.69246392790049	1.9511460435472	2.20670628921205	2.07254977391398	2.57061161204009
7470116313	2.64540171116989	2.36760603357965	2.88129765094967	2.52997920155957	1.87787264802441	0.469385976354087
4132057626	1.9202066092973	1.92231552752073	2.60301929417002	3.14972776319183	3.06513152159966	2.97275170042214
2330641418	2.66487056720151	2.6578211700595	2.69366884700274	2.5856924827876	2.26480493922418	2.3393938572128
2968321506	3.59251905877509	3.77621754981563	3.52150204236786	3.79161899183467	4.2106455990456	3.48191568632656
9096911183	2.02635023611315	1.87563854069231	2.00761080615811	2.59108477142334	2.77080588935147	3.13613726699083
0816230178	2.37130912539367	3.33501624704554	1.12808942339084	2.39310737112244	1.80598277551802	2.06425280777602
0652733436	2.0783727048632	1.52255935365449	1.27632322689741	1.10571604194936	1.81733932300014	1.01934439470014
9004153034	1.72309445418159	2.45204193345845	-0.0638260187764983	1.45297298398657	0.150670793227732	1.7840470565377
1930998356	3.0735473825008	3.09287894124158	3.36120469381903	3.17932295482524	3.21619690947452	2.95943570221756
8764004268	4.29158687044774	4.71147922374704	4.48248629235924	4.02483698824833	4.56166670087241	3.7693218860196
7359830925	2.50023641193214	2.15739485773588	2.57886136462657	2.41014891700787	2.70331410125396	2.60718267217642
46675197507	2.02236473850704	1.46105479628095	1.30436703030051	1.23749643449679	1.16102839055076	0.586607028376935
5352668552	1.20899645072408	2.19700353905621	1.88895935689643	2.00899115666655	1.90599858204971	1.93430237191709
1630752321	2.1978670896094	1.62846186967703	3.07158647429595	2.24868772284275	2.83613318040702	2.45388567014588
6868132358	2.17114039773266	2.34434106788194	0.78262096016444	1.04398529386172	1.67079572539691	1.75966689846544
9121638975	3.27581390565659	3.71722686512924	3.03415085251342	3.71095826048019	3.4623661252646	3.76790613687403
4157506966	2.91873439585389	2.79558695888833	2.5802731743202	2.49279934779762	2.76967749913859	2.65495910255025
1482626623	3.24963491787435	3.35743916173714	3.20736133505616	3.84900230535184	3.5857814715245	3.82934364440116
9117569801	1.92044733411889	1.01446733314794	1.13121950383925	1.50713166343659	1.6477733058811	0.704472245510296
4442711782	3.38334306272718	2.55220266847799	3.70700642656194	2.35441858671083	2.28504578228463	3.57460858716472
34504685431	4.06559293724619	0.900470536029109	4.40732828294566	1.54347760413328	4.48587557708841	3.64720824574622

SM1677021_Treat	GSE68607_GSM1677022_Treat	GSE68607_GSM1677023_Treat	GSE68607_GSM1677024_Treat	GSE68607_GSM1677025_Treat	GSE68607_GSM1677026_Treat	GSE68607_GSM1677027_Treat
2254935518	2.09252281401263	1.38862899869347	1.57474160035439	1.17354464609411	1.12682189412637	1.05111773951871
1794915195	4.83075362923669	5.59615642796929	4.54684750981439	4.53361150348003	5.03036323567388	4.82761595122846
3440232254	3.5329810623815	3.28224055256398	3.77446097162898	4.07604191608147	3.89133100339957	4.15909252348236
7604363114	2.82636125618923	3.05274351569782	-1.46083020254168	2.7511855906387	-1.69429316322698	-1.41782866071689
68282742098	0.218531406954868	0.767337773011795	0.555597078018123	0.481940906476724	-0.362046681027721	0.680027471467185
2029680618	3.16860563291385	3.54230268036873	2.10113963351504	3.09683375312057	3.07350668639287	3.04818595216548
7622443763	0.829923871368071	0.733251352550827	1.5868617317176	1.20861591780093	1.03939741146636	1.78007908960742
268157097	1.16417084886466	1.5939626417561	0.819783438920738	2.5137687174243	2.34708873761132	3.53474796936682
5159935488	4.10009852364818	4.46849119609261	3.4818905390307	4.38697548336062	4.21174547411221	4.32375148220047
9191454357	2.66870553330084	1.38921706161187	1.76071068321802	2.53527684714379	2.67030332096313	2.74128680618964
1862826379	4.01979639721208	4.14004391277994	3.95377443102254	4.05114755092862	3.88859832845397	3.90117207796635
9208954364	2.30604196562466	1.35687826622592	1.99332959632712	2.88783801693455	1.86042329724847	3.19642621786327
5984253467	2.35077451737316	2.37086536256578	0.427460755584756	2.39386070501042	0.420911241143498	-0.195157079716837
7099678563	2.05997649492862	1.26087605593385	1.68861075897886	2.77844824275507	2.34721297347538	1.89686497541533
2608617596	2.50398956165497	2.17722940920613	2.83930593868864	2.51842989458759	3.40134507221423	2.21857656089186
0102369243	0.982627754536819	1.89362473202746	0.788583277782833	1.39056516435184	1.08432758760506	1.41193921591746
5136308164	3.16971352383399	3.56284830270187	3.49764002001195	3.85107346721156	3.99701069545069	3.69219940879494
8778695908	1.77708039209003	2.49333272395805	2.15320359780356	2.68020959704697	3.05481381535884	3.10363033083098
92671150318	0.555440994646637	0.764756823880844	0.430513747099109	0.0735370487579941	1.00903238289189	0.361337948830996
7596490852	1.8853427379381	2.43981998471442	1.74283829856311	2.49561276894397	2.62608111624086	2.60092634221439
4829614279	2.46197245109044	3.15026216043308	2.21511954842112	2.21756263673206	2.87151857792229	2.9957512225594
7347604046	3.41169639951646	3.38851875801319	3.41361033846863	3.42682746612082	3.34412513709643	3.37736964603321
3666501137	1.53976077710783	1.96667963503016	2.74693169668407	2.09462636282525	2.29819854748849	2.33078699975818
1464566707	3.44974653202464	2.35407445746492	2.27596813459433	3.31340144620605	2.67134436640102	3.09897875191555
4313562217	2.83097770649305	2.87257143770826	2.6557942878815	3.26906056582064	3.01602559551432	2.97261426781097
5033081627	2.73684712100279	2.57331291369462	2.93851557283251	2.79542737672612	2.78277359877665	2.46067633474043
1656835537	1.72600221456166	2.22866792805891	2.52411396291635	2.24011347525152	2.00394913300968	2.82687437964535
1735947929	2.69619312635367	2.60388682436193	2.483837868534	2.4082753947906	2.51155201997476	2.44349897314592

SM1677021_Treat	GSE68607_GSM1677022_Treat	GSE68607_GSM1677023_Treat	GSE68607_GSM1677024_Treat	GSE68607_GSM1677025_Treat	GSE68607_GSM1677026_Treat	GSE68607_GSM1677027_Treat
436492067	2.69510342653303	3.27216525398552	2.56107285500632	2.45211435948853	3.40656646318819	2.88438947340683
3909833862	2.74433841107966	3.17840888481316	3.17885861034346	3.44606680909467	2.96481545697563	3.54527292554709
1516034216	1.9963375312622	2.21810854356143	1.9192506583332	2.16345350743112	2.26974253171593	1.83389158044765
900039795	1.57301300387481	2.36052258006222	3.29904060649372	2.74816209489306	3.24344395748576	3.40176140108704
6812339349	1.47648185087444	0.749395451275087	0.764920999852046	1.04819048400855	0.94233040700464	0.735831077946049
2917053228	2.50578509260304	1.81020340211331	2.71930795187586	2.18823978700266	2.26077949737297	2.3473099147997
8111088001	1.97682028035439	2.35860885228183	1.69960221941067	2.28948459242163	2.65943630699766	2.68690399379407
7057423302	2.64225057851194	2.63398300840733	2.65666250160848	2.60273836268325	2.46122245717749	2.43353532738051
7592273328	3.20180664690644	2.6895129526513	3.26022564225577	2.41653402514517	2.63059554951917	2.93016481251556
7267358106	3.03497917484311	3.1404867774102	2.59026135236055	3.1278395249448	3.32949904595748	3.05855196554423
3350191828	1.71727528973026	1.76410401614778	1.79883152064647	1.73981548924161	2.15625826201974	1.27138756485333
2282461311	2.8300808213249	3.77080213849642	2.68668057538156	3.22599444992097	2.88852155673139	3.66701001530137
4316382019	4.35578072319871	4.71560852494048	4.81902214911857	4.52547269995592	4.74928291834795	4.30394375823356
8135015959	1.30210977074147	1.80303789987957	1.36715279777765	0.554901421748885	1.6224235537699	0.393962112045894
7210858032	2.74143765451983	2.22199442043168	1.99796254596178	2.54709966801632	1.88077777148192	2.04517127648359
2478605947	3.68068198328929	4.00204990649518	2.77620058446075	3.88226085242938	3.54881897849246	3.73978190852818
11429061457	0.339182811652538	0.894872131075438	1.3246615264531	0.695561118402851	1.05079087921199	0.641216706558884
0853465231	0.489040087960218	1.85949607045501	1.16679665071812	1.48883958090968	1.91926434551708	1.5452140707918
0627999052	1.93288113304544	2.24170781099188	1.50893609271437	2.31278704129517	2.0776196078298	2.70975162894457
0029998899	2.27296652896709	1.93245898831627	1.81663923998231	0.594798695708258	1.58262575989353	0.458051200476996
1467490708	4.81135646696234	4.75727311431509	4.83037880188196	5.57489815435694	5.31014559265989	4.89315322071321
2098415694	0.918408351895826	2.19406407265916	1.78675659652231	1.42496482420925	1.28846405984086	1.45235679442686
6739487083	2.76007064618345	2.96893576672111	2.06346005630003	3.08525112852029	2.18287328016669	3.07568325664228
5445478545	1.89338642873298	1.97943236975903	1.43482139130394	2.2421402148267	1.98868367157442	2.32854946337607
73913832159	1.26449814823257	0.964162770838744	1.96493828164186	1.21315411587163	0.492768673258121	1.17302934973769
61211063652	0.655744778281763	1.29181574704396	0.915054007009401	0.553113195881825	0.0557533622832336	-0.501970519788271
1895001655	3.27201520631221	2.9970411642961	3.93150192203995	3.53252864007534	3.57654050060611	3.53770612991631
58985419714	1.94250010116474	1.83613300914261	2.69799690080964	1.93043289315774	1.98507547434336	1.5215357167842

SM1677021_Treat	GSE68607_GSM1677022_Treat	GSE68607_GSM1677023_Treat	GSE68607_GSM1677024_Treat	GSE68607_GSM1677025_Treat	GSE68607_GSM1677026_Treat	GSE68607_GSM1677027_Treat
5797509004	2.54591999692721	2.95708132849008	3.25441342860095	2.44178804809832	3.22123379034585	3.75436877928007
4659793799	0.569041452564697	0.765459067889896	0.278873330893072	0.459429857270702	0.645982718435194	0.40677704583267
3874153408	3.23670493324835	2.14680499959956	1.41578276933858	2.18253621867717	3.25538957257779	2.21233616054468
9126785701	2.52437513704563	2.25563025652303	1.48193341434755	1.45341084259066	1.33913233744352	1.6764921410647
3825197011	2.68803413740445	2.50991586768015	2.65511330244768	3.07380508344144	3.29183725608976	2.97626877221893
6053092543	1.17845924975772	1.28264143237788	0.940898862677774	0.176767458376132	0.762562277433532	0.661216756963043
7012561191	2.79873745512177	2.37816129898418	2.2036954568965	2.1480166213462	2.1120927045373	3.09077806104429
9676676511	2.9392342976409	3.01618529546293	3.77383584227214	3.50789931504634	3.86793393629336	3.85018928098491
72969503765	1.11687566554969	1.15667501539614	0.944469751585255	-0.766556197869654	0.701148762827876	0.914730480270508
3739207122	-0.128366194832983	-0.524080369796831	0.0471457246767049	0.249633601133333	-0.40543838967826	-0.360982969300475
3060184012	1.28062534976045	1.83031337057605	1.4535171387557	1.81893417789729	0.985480207072948	0.988126305861511
2090187036	3.14649926505548	3.88928762547764	3.71939290302315	3.42092930289829	4.04085286260475	3.99303604337147
8887753755	3.3250747171064	3.26380894512114	3.21321430823052	3.10707153938407	2.7051926125372	2.4389648927223
4320804127	4.59180741376112	4.6771030687533	3.54482232461681	4.97059666569025	3.82265557372706	4.90609213843918
8702561666	2.42636210391045	2.1173384398202	2.28917677964107	2.68406493101423	2.36688189546082	2.30985954960592
4145544239	2.94096617128479	2.48900857876326	3.46145480269095	2.67181262104857	3.37199954849549	2.64042872045738
19770240699	1.86708962785552	1.51366789955313	1.38257587332446	2.01603862102174	2.5528163827765	1.97277254135528
66812027139	1.13177371390313	0.621612102879688	0.982419522620649	1.01949687297455	1.43248206169741	1.02012377600656
0518203473	1.42932666494317	2.7725415656733	1.07579915200211	2.28223054345822	1.61771864852668	2.14355320123279
5691337318	2.9015782384296	2.96493023285504	3.10309731896492	3.08237904572635	3.36376641909793	2.93703572246102
41474077521	1.18744882368021	0.521467027244793	-0.170438951339577	0.57327011733241	0.330759320244075	0.646034603258373
4024511812	2.55746532320881	2.60648145342719	2.79183851770571	2.76064198307016	2.49894445263579	2.33442749777887
0771588406	3.10812659523184	2.53333056274267	1.63646138012214	1.09914434592044	1.94104135451253	1.69249642872971
1004320022	3.11018324165051	3.41028441957147	3.50547814608562	3.71198855598228	3.74470276181988	3.60945768064904
3964533776	2.44672651886258	2.08037857863244	2.08037857863244	1.88488846182157	2.56527346043179	2.29726562950072
00462772806	2.73786108015552	3.04270794803917	3.38842974132882	3.45390910615587	3.57981292149556	1.12075028344862
6472894807	1.9808075818278	2.45589415810135	1.94063467388524	2.30814319310321	2.2400988802329	3.06069075564369
9130933233	2.07338105801043	2.52768966441577	2.64011292536056	2.397533600422	2.80395659562193	2.10903130748117

SM1677021_Treat	GSE68607_GSM1677022_Treat	GSE68607_GSM1677023_Treat	GSE68607_GSM1677024_Treat	GSE68607_GSM1677025_Treat	GSE68607_GSM1677026_Treat	GSE68607_GSM1677027_Treat
2621808597	1.98964923621097	1.92293455615809	2.54890066642472	2.28166456244645	1.84945675377404	1.80449979650612
9076481093	2.42136682981338	2.05274942383143	2.27534327624845	2.26214043088263	2.60234903824285	2.75875156619833
6429572424	4.27854779005812	4.33915309025267	4.04910096850328	4.38397644994015	4.18585989797284	4.38733996629651
6864016736	3.6360353026702	3.3045122191429	3.7313893897627	3.64810442864815	3.3036893250678	3.45025629798893
3385702476	2.22871089295499	2.3098349998913	2.35828148898476	1.85698428285849	2.30932329889509	1.76569858765036
0558546439	1.75405678730806	2.11338504431875	0.700520292163119	0.952316705219913	1.81001694402252	2.2952550891672
6479661444	3.58320752671132	3.35127142158196	3.55117344889028	3.54696204754844	3.3962038407588	3.5412115875679
448018742	2.18285592604534	2.43336720340132	2.207755619335	2.05951170513398	1.88601233642081	1.8856771480108
3412798473	3.03959949241482	2.81096689365917	2.90700795149677	3.65327439779925	3.77589784786885	3.2949464801454
0322396281	3.50725831611679	3.83157781348659	3.7973352807443	3.71408067563199	3.87084233442705	3.98939483725503
3442014915	1.33108001589017	1.47848956528332	1.27141669227216	1.28274919875011	1.29374477273856	0.937620146330881
7676541747	2.21677072353514	2.5311024474749	2.31875924305804	1.76256494016922	1.66351785280495	1.42903407741612
2543091306	1.84848161061432	1.73136964414385	1.92052100514988	1.84566065405526	1.40593914491211	1.52502068940358
5352827448	2.20199714819277	2.10161864012857	2.07846652558385	2.05456715288119	1.59296313203798	1.75811973305814
3582004975	2.06143033256092	2.03530387701599	2.83310145017285	2.14574235428936	1.75794908757576	2.79204669739207
0403672339	3.53057340408992	4.1719412572686	3.60212838664069	3.6211288613428	3.78484701818053	3.51834023619091
9247055118	3.14417501478798	2.4158499628744	3.27681456238102	2.20967060283065	1.39400205436773	2.94833490866123
0575672923	1.86505878500883	1.5689377115606	2.40065358821853	1.95815133454682	2.38083462362463	1.9613099443407
5924769967	1.72535451644529	2.0036433167936	2.37587658047977	1.53605884183068	1.23761900813371	1.29934589997922
038882203	2.12186355494218	1.57959029068711	1.55410987543938	2.04516157932445	1.41849209134195	1.63164955788475
9574943899	2.58292622140783	2.61352059050881	1.73964956411335	2.21641324787652	1.63979790913768	2.20344225474708
5994845998	2.22768895421333	1.50306715923255	1.78913626426621	1.65720813520353	0.988669140330186	1.23074097297973
2513502834	1.91199221136408	1.57366324153295	3.05336813732779	1.97698474365974	1.87047173154734	2.81083932066966
6421455319	3.43706953278114	2.82480327384425	2.9270348286145	3.39037211572394	3.60280519793484	3.3350760749916
4230080478	2.34790155470682	2.68858135620091	2.89987571703083	2.45035374059232	2.97787475899068	2.79384442972969
9879160678	2.03889483947757	2.26448078584528	2.71122716891004	2.30143779192332	2.39503654887904	2.4280604625984
8997287647	3.46958669275926	3.30384336900972	3.25972512119171	4.22490974228377	3.47117775354852	4.0871764024262
4525851238	2.27370613079397	1.62898896394142	1.78678190259257	1.70771638964934	0.70342265955183	1.20727736166725

SM1677021_Treat	GSE68607_GSM1677022_Treat	GSE68607_GSM1677023_Treat	GSE68607_GSM1677024_Treat	GSE68607_GSM1677025_Treat	GSE68607_GSM1677026_Treat	GSE68607_GSM1677027_Treat
3765587701	3.15771958922274	3.16607338544587	2.79752268087776	2.87818174549937	2.82795688981707	2.8667297586297
3245998722	1.89505991143155	2.12256307383816	2.43458597170084	2.41552176617218	2.74330785572248	2.29273959374572
9017177245	1.3776872940164	0.866131265768826	1.0999045880982	1.30656900444269	0.608749122132567	1.03388099177563
5353526286	2.78549091817654	2.1509509927523	1.54853267413012	1.78849348280158	2.35679376940082	1.88959794476924
8670807846	0.533281547316205	0.855582553896196	1.76006174642144	1.48467239049968	0.774962767621739	1.3177192383782
0694486368	0.696272942762064	0.563586322829651	1.74355668921763	1.18282290777379	1.54382293360889	1.96421375895757
4420909861	1.48993939613992	1.90192793767092	2.53447957299026	1.24443445411267	1.8898424997716	2.29925252955865
6087125535	3.31252384895459	3.14923435333457	3.41972811705058	3.26239415738816	3.15881287652288	3.18493636496902
2672549632	3.15077247059606	3.05207054301628	2.98982273487664	2.88223583129365	3.03623665284062	2.54685412331706
7227866981	2.51116121720265	1.80811528613462	1.70490144302173	1.78361106202168	2.08786204261277	1.30425935779636
2851031456	1.84460234319304	1.86758951292883	1.67984686861095	1.64989397406435	1.70193474894447	1.1516641234428
8913996904	-0.0401074340563506	0.409611608915681	0.721783632716545	1.2039390013415	0.351432794017566	0.640119098748641
7656595191	1.22960735852241	1.79369818461316	1.45236895417828	1.24251315471357	2.87898211818648	3.44413896048799
8783244841	2.82944028760619	1.98585530144828	2.85152536139413	1.95583130305972	2.67623712239416	2.48243536418461
3586111862	1.23275533506872	3.51717271107012	2.93925689404839	1.61262795163281	3.52051084921421	3.55749551289116
5774057367	3.19824631733248	4.28600090849828	3.40074210134882	4.38325913203347	3.98607360909747	4.25964902798541
9937951819	3.87139929081932	3.71638570261825	3.81092442807183	3.40273040317818	3.60032716028473	3.3745137691751
2945835323	-0.361500750861733	0.500280724445088	0.716880715040729	0.822691056148891	1.71386724887487	1.76797292882426
7012458381	2.56442008240745	2.9201467309689	2.12516339880021	2.55129587949696	2.41233516844196	2.75278176013273
3512743737	1.40470067435491	1.85465749129547	1.93822393969708	1.52674846266301	1.3768257238118	1.24088696405244
1687314046	3.27590812920918	1.92091846077251	3.0685559375115	2.73601468434771	2.44297944173575	2.62674365211949
6312626146	2.40448801223235	2.34341276462067	2.1991392563517	1.63709449007563	2.43722548306647	1.55895008863652
74449598947	-1.16079453041071	1.54088378644137	-1.71665805290091	0.808166300912987	-2.35491206758346	0.816789852870642
4035070362	2.14452469456051	1.80880697150988	2.07534128376924	2.06054413184616	2.0190536983921	1.99999050272414
4606205741	1.8109041578174	3.71616798762799	1.71620794746634	1.70828328944271	3.95458800865891	3.80026871197867
391826094	2.69450713030233	2.57909958769216	2.65604483678041	3.13165286316693	2.67516064075137	3.56188019272384
6968807448	3.14785772152027	3.30135381522244	3.11997580454114	2.8012891082104	3.1157795200027	3.07039336366477
8973267206	3.81015058515593	3.71099336199647	3.61491932595142	3.58701305603928	3.50295969967284	3.43681253257877

SM1677021_Treat	GSE68607_GSM1677022_Treat	GSE68607_GSM1677023_Treat	GSE68607_GSM1677024_Treat	GSE68607_GSM1677025_Treat	GSE68607_GSM1677026_Treat	GSE68607_GSM1677027_Treat
3203594593	2.75560340473399	2.90077220594211	2.96907652020409	3.06215818149807	2.90678095225656	2.86808076180885
9577033513	2.3244995005792	2.52746434088694	2.35668089884383	2.14745706289473	2.37756079011705	2.54308611657662
0094960349	4.61648743311829	3.67812791025629	4.15990435047124	4.15619268274797	4.20746296536305	4.15802323889378
4648717059	2.10726666890992	1.96088630362526	2.85090057304891	2.22291608955515	3.28927417366352	2.76014976820856
640637025	3.25576532206304	3.32757049433076	3.72164076759768	3.06413264417097	3.87187593386015	3.14683360099309
4918753071	1.76297890722646	1.46611104204459	2.04422701281185	1.69677252329408	2.17923858562787	1.8998650215524
8046072271	3.37032198614492	2.39455150003623	3.4415967264808	3.52265514122614	3.26478521754714	3.58803018679972
9044692292	3.04212343924737	2.75511163074018	3.05197894833489	3.15830102865962	2.82443220546488	2.41380374720409
4428110633	1.50926790750018	3.37608716893406	3.86731939379036	1.66254082768786	1.99720528077462	4.23708998514838
5326430072	4.85154495644002	4.40569807209111	5.04273944146038	4.99164403294695	4.87661308393442	4.83111396250955
7157944965	2.23085410554325	2.57262857877861	2.02762948918421	2.3375504442726	2.06070590493061	1.65168860465134
52778407417	0.61248155955352	0.544472444414003	0.861643697563769	0.992186567417313	1.18282586217757	0.902448773684116
51365367068	0.393879308208997	1.18222154653254	-0.189839998838706	-0.0212395945147035	-0.0341516077642354	1.16445826071084
3840050497	1.05321405758387	1.30144538107349	1.47500479069732	1.75341489533847	1.31877515950968	0.798618113767932
7592990889	2.23188477103403	1.99419746509824	1.97046914437105	2.21848010000538	2.04333949880506	1.86882245139911
5434535494	2.20804059067529	2.31881756185683	2.4543475357522	2.6168897737278	1.8301350348622	2.36343574372224
6906994685	1.69212140242569	2.14706093363639	1.51948871991028	0.799838181526652	1.44594497358436	1.49587298253762
8972462958	0.64305680686405	0.103758270668279	1.5709916942364	-0.211015271236544	1.73470892677826	1.00348491737144
2473490158	3.04183371316253	3.46902650615062	3.84405099760267	3.43334119454305	4.00026330284006	3.55270149977475
8541006891	-1.09465323178493	1.92779249222621	-0.558892099916733	0.133194869600834	2.5783125418928	0.121421286634529
7308182699	3.27939891793426	3.46930652770592	2.95470485039628	3.56944465068783	3.70223887658494	3.615624810621
7696436784	2.40693909102278	2.96693680901443	0.244142808197712	1.43564751511595	2.68254191368647	2.87926747534641
449341717	0.949724738987281	0.658461341653413	0.647622642714545	-0.538676099435937	0.635696211537445	0.599547712094228
0473799254	1.62418435443355	2.65585572312582	1.60567933830685	1.48769254649111	1.99020331356331	1.3870213069162
1758098633	3.59265834731949	3.78097072003141	3.59876383789369	4.00121351431498	3.80985038756466	3.60031612501074
3675845162	3.47475303444762	3.61894673088356	2.2611103043136	3.89329921931873	3.29878507578407	3.85259599558604
17841316049	1.78575839304611	1.27025891498287	0.80907835185996	0.99441348314184	1.0406718984973	-0.18024804761432
0311916733	1.75411447192933	1.45556630446	2.83329913817653	1.4161090640493	2.24948415188329	1.25077421580302

SM1677021_Treat	GSE68607_GSM1677022_Treat	GSE68607_GSM1677023_Treat	GSE68607_GSM1677024_Treat	GSE68607_GSM1677025_Treat	GSE68607_GSM1677026_Treat	GSE68607_GSM1677027_Treat
4430212236	3.73912454596241	3.6739657825632	3.48387417706581	3.86919428905967	4.12645453713805	3.65752522888152
3350814792	2.61598337837354	2.67081687154246	2.2866854798552	2.87631050906726	2.63124303429886	2.63988399250847
6016806561	3.72968355834801	3.69371733088204	3.41777533019173	3.41110807130294	3.44515625016684	3.36766749265478
2686628319	2.99429568402237	3.14636259557769	2.32902517845114	1.90144457444078	2.90925456896174	3.00056138444983
2571072775	-0.439399082809914	-0.621984012442539	0.0038786645615027	0.747660569052548	2.00970602102953	1.66040223761556
5699931461	2.99082168405586	0.25065388660726	2.96802496322163	0.113411298973717	0.107469122321253	2.91260408319445
0520955399	1.39572854206616	1.55764542448838	1.40508670819329	1.81486130634472	1.56975816619058	0.723970103113408
4117268782	2.05719006905951	1.91760879154071	1.63731181863452	1.92069020053019	2.60261765392843	2.46510856275733
22299534443	0.577162996742491	1.19812101740651	1.38988780735963	0.60464871250172	1.7146796566018	0.815649077243208
3747227852	2.95307153794563	2.73114073189694	2.28115091928335	2.68193112410699	2.3616710297911	2.76530142289059
3638361792	2.11720589313497	1.92540716492873	2.25416853945702	2.08026787438486	2.2118510004591	2.1844208600761
1540392383	0.929497196373771	1.15503904516453	1.38864913976761	0.604495650114831	1.20094898667589	1.64949087633443
48965958697	0.931812671874506	0.478716574683568	0.644911076323715	0.265724779068345	0.587714277393343	0.535520231805094
71613726623	1.18932740534762	1.73363409331399	1.68288845880345	1.73333841720014	2.43835502292026	2.18224401381831
5607304924	0.697068517473181	2.42198398682128	2.32929704581599	2.31015869527653	0.503585458256592	1.88227275607515
3822724175	2.88133035717758	2.75351232788437	2.01223141085421	1.95390937036665	2.55738831361308	1.80677310721735
49523369398	1.70383184549249	1.99533611810247	1.42370749045613	2.07193805265242	0.70969054376094	0.642669226972273
8761017702	2.10171494222716	2.13246169744432	2.67256073321985	2.29434846922757	2.62472281488427	3.53578711944946
2144093095	1.54848752471902	1.69109160010362	2.27592667437479	2.23753580364844	2.1494225215213	2.26137560727177
9265973905	4.01952808835454	4.00922244611064	-1.0282082212558	4.18249465759368	4.06759655370676	4.04092598649267
4219946872	1.71685083846249	1.32685676106339	2.16885443192646	1.63463314741598	1.73016335070987	1.75371185278102
5288827126	1.22178016767462	1.41296696573533	1.14081159154139	1.17087452321457	1.7033530311859	1.29667383896239
3484781394	1.57450823080506	3.75152532010928	1.16393670343007	1.20892535940033	2.79447527352967	4.10184474816814
8458117567	2.25737998929694	2.66302529059719	2.16890966113518	1.97681222811077	1.68463265142708	1.58504444880971
27389544069	0.823443122080816	0.969752421767073	0.963695574294782	0.587645103745276	0.644725581950433	0.447883179884495
6251863488	1.11984323702104	1.34987525092903	1.2795545333214	0.650146647165981	1.35723336024234	1.47056533458456
7464449322	2.42748738960981	2.15947039707851	3.07062322185126	3.41576709930561	3.12089410349467	3.53600937875829
9907631537	3.62867413644131	2.38971457660894	2.27897843626937	3.6820789169911	2.52160587507436	3.87480159409895

SM1677021_Treat	GSE68607_GSM1677022_Treat	GSE68607_GSM1677023_Treat	GSE68607_GSM1677024_Treat	GSE68607_GSM1677025_Treat	GSE68607_GSM1677026_Treat	GSE68607_GSM1677027_Treat
8324011062	3.72218229674297	3.08031956192647	2.07519063267669	3.51686756786899	3.16485024253097	3.99947375935222
4365675628	3.39451494402313	2.6304416147961	2.83798414679345	1.9962845618337	2.31147440216991	2.6966056537785
8953588995	1.84746570944887	0.983887619471807	3.182600931434	2.93426082316612	2.32067452123477	3.62978094298827
4283957615	3.07378661240453	3.07593685665973	0.357171102075614	1.94752863932052	2.78801289836963	2.60526030099017
6039694702	4.22422011716018	3.93094665766321	3.95931536315369	3.84631476958016	3.64898056562291	4.09175110985935
9858235055	4.81891021171195	4.54552096772431	4.48547108807225	4.63411585807032	4.46772313239281	4.58626191008959
5861312938	2.60685790664798	3.28428950196193	1.62313987053847	2.25006040971972	1.59356016266091	2.13331345944406
1462928951	2.5830006476411	3.21405220066399	3.15522071562161	1.11064250781445	2.26001337474184	1.62047211851214
0428071064	1.353351694807	2.99587565328735	2.02436534103603	2.00295317578781	3.54966367622331	3.40201431321749
2828421291	2.90369145451487	2.75692711141794	2.74891583534589	2.76182262659748	2.48214765388843	2.39701667452724
16971691574	0.734183059152346	0.191372846711492	0.619417865509252	1.4633567952902	0.362329416106971	1.39631098923674
2146416722	1.7208187085642	1.91439927017753	2.57839730560889	2.12869493587432	1.92565802991901	1.32534999670503
7129782351	1.35505062889774	1.42459909419498	1.91883990412953	1.89424200019946	2.50761197967544	2.04617943802074
8437501467	3.17559628911268	2.38972053429841	2.37397209876169	2.70201857273861	3.41443838466313	2.93801569445668
0508630253	4.38278850371581	4.02094639216825	3.78353261379628	3.88498314787318	3.42305258280872	3.8091494466219
2517885041	2.27503787241251	2.45355032867272	2.28335864390238	2.32420164290005	2.06894399194557	1.99550842025236
5491242113	3.2063740642081	3.15928045395933	2.8806649184213	2.86604464018267	2.39980574748416	2.751316090459
3773874715	2.59077384592123	1.7084547694299	3.30740368482454	3.18027934171773	2.22122628528111	3.4682857646848
8418079267	2.5137066538269	2.67012650302572	3.34053151622823	3.34925100138585	3.4564661457189	3.58205760719284
8919175698	3.28635775820095	2.71401903428982	3.4165844662823	2.72739496032952	2.56404508135212	3.48189474845982
0763671934	3.28837629106033	3.7432339236877	2.56683272775859	3.19697932007569	3.33500784544242	3.75888334691413
7227478588	0.413725941720806	0.496785785480182	2.6212789433093	2.84666616379182	2.53282833505211	2.37955671738599
1500263863	2.3805162014958	2.20296844291234	1.14983347179448	2.23970054060835	2.32823747083031	1.38858913620982
2690355764	3.17689037318023	3.28763610330319	3.2817513019413	3.14600476493291	3.33481931565157	3.08729505544706
9973275967	0.761251707668484	0.414949025958945	1.40313392304089	0.755255972899686	1.24347915071986	0.896684804485012
3600310174	3.7931574658408	3.27281633980969	3.27301325144842	3.24254702735382	2.99097321650742	2.77507637382643
4544350601	2.86377237350257	3.22053144348049	3.11564019240513	3.02363558750917	3.25508324250409	3.62506817682145
2751080634	1.16966546395197	1.87714638543573	-0.378744337448353	2.64977718508329	-0.131251243796356	2.56987145490026

SM1677021_Treat	GSE68607_GSM1677022_Treat	GSE68607_GSM1677023_Treat	GSE68607_GSM1677024_Treat	GSE68607_GSM1677025_Treat	GSE68607_GSM1677026_Treat	GSE68607_GSM1677027_Treat
2347124597	3.65037674177638	4.95510864813388	2.13445745454009	4.30446035990182	3.45986504140221	4.30149417220484
01986570409	0.869974102489119	0.492352369877971	1.15332198545561	1.08383291778239	0.622878090670897	-2.41124756506288
3594615429	3.00376483894662	3.53489636239131	3.8545020239275	3.4371809731626	3.40305997689403	3.08653519154428
8981192159	3.28313755005903	3.33929849386306	3.15189963721146	3.16347808268421	3.15217905981325	3.1824106740319
4265645867	2.00759946752645	2.6040329819832	2.12900042226914	2.11093384643371	2.26609610208314	1.93246362050447
4079971668	2.39131587494531	2.06484815331576	2.60665475380175	2.46040018880917	2.73588953055997	2.9662955594075
3360082926	1.72764254161787	1.51708426396524	2.2817640126057	1.91951512858862	1.62462391560405	1.88322844546427
5236148242	1.5914119124408	2.09113648161581	1.58322739200464	2.94292500544642	3.22988420999138	2.50829335293899
7178785248	1.44495094593719	1.52203776196064	1.97920191430761	1.82793219725338	1.6638006749601	1.40987329383774
6131512989	3.79315935325886	3.78064520667271	3.27711661844529	3.69505801124907	3.6150199805446	3.9320311723307
2774511716	1.51076519989378	1.94013007456452	1.49505475532896	2.68565662479877	2.62892257221714	2.6744653596414
1731225143	0.0567872277367765	1.7301273151362	1.62130375347825	1.76280314060403	2.44217316652167	0.437290595202927
59148176161	0.207807960097318	0.571528125403366	0.702870657109733	0.97199478193696	0.370836221386284	0.835823357416829
7822549602	3.16631584579065	3.05986729377892	2.89378598956522	3.08343114526002	2.8377750267433	2.71374587566584
5014432191	3.6973801059081	3.54759984428756	2.15522853797309	2.90295270931538	3.59310893241139	3.58144822314904
7681161596	2.50044801003638	2.35229045413038	3.06904595358715	1.78018110229123	2.79904931413429	2.66626084077317
6307823808	3.26697849518648	3.66853128961199	3.2587855415524	3.58500111027982	3.54937376252447	3.84603305308055
44738302116	-0.40513733502641	-0.210199366761243	0.295549173765712	-0.474649262186861	-0.505892116842761	0.184991172234919
3911796417	2.46872310172087	2.32036767243248	2.95414568166008	3.15612513569545	3.27974157645936	3.07426508264229
2509475949	1.72015727142056	1.68010662037813	2.45046230790972	2.70223014266449	1.71563204265782	0.566042984563186
9116064727	3.905561571287	3.90360111368577	4.3130585361916	4.68406978388519	4.34724157447515	4.70141659326012
9834361001	1.51228813782251	0.879372737397646	0.929389204645744	0.922289657222436	1.06338046892728	0.457626323977739
6497591798	3.12839781797677	2.8664102781456	3.71940892327221	3.30455567682535	3.24058298651313	3.86307082060256
0011338975	1.59084600197191	2.01438212311059	0.315505008711154	1.70653672374757	1.4502732505774	1.99256084797632
8427445781	2.60488895630961	4.37644654776256	4.15683974563449	0.786268290083	2.62699855734922	2.66221711795562
3993460135	2.83213464508681	2.45941690579055	2.898088641198	3.15526952072471	3.16583050650573	3.27457986305851
0333364472	2.12775804409311	2.09194404864354	2.32122704138967	2.23164680154546	1.15967718307204	1.2053087073875
5768025991	1.66025589013983	0.405806028537336	0.44219440774944	-0.0623380795156393	0.717780613049334	1.54397377161569

SM1677021_Treat	GSE68607_GSM1677022_Treat	GSE68607_GSM1677023_Treat	GSE68607_GSM1677024_Treat	GSE68607_GSM1677025_Treat	GSE68607_GSM1677026_Treat	GSE68607_GSM1677027_Treat
0294206018	2.8116467971218	2.12070849364097	2.10116097673517	3.50594272277824	2.38587563361761	3.74112350423069
3337538461	5.48986578584644	4.80224235849543	5.10117195756838	4.46503178276387	4.84557115686939	4.67058872942419
0817906049	3.52368373198615	3.41857257843665	4.31562449425149	4.31784356173926	3.89079226051164	4.22323334045239
6402209085	2.55435321722954	2.20690598354711	3.54395463462141	3.38943291538047	3.24563785567796	2.1875247225048
3051545057	3.19656229169451	2.77759614897178	2.21030193665949	1.17059048859443	1.14077120777641	2.84649454770274
0615502502	3.46738063122887	3.53624464589119	3.41506563879066	3.47366059674805	3.6001672471126	3.48921446624193
6119377551	2.71040473064759	3.09016808490039	3.15868206232652	2.86577046671646	3.23214850327543	3.47239126529259
7335286037	2.33203972865881	1.826031524278	2.16384394035424	1.27312120620586	1.80152433662466	1.37425330584928
9106213771	4.12071146932815	3.72118545360128	3.75865841836579	3.78493944808223	3.9565491870705	3.86480857792366
0532492111	2.10981806339711	2.043142022333	1.29751646834961	3.18441105735081	1.70171311127587	2.79442740279267
3386137377	3.26333742080865	2.55694001706903	1.92074585661539	3.01345605199532	1.66491534776671	2.38228726747697
69675069095	1.2493832449766	0.140025764169599	1.01196749259838	1.17770361327633	0.111464366269627	0.970786204296606
2341595228	1.96772828217507	2.42524243320186	2.52706086352983	1.86893259125901	1.95258660790979	1.54215711982944
75854037193	0.190044377212765	1.43827550702284	1.13234897548374	0.52565499478332	1.32022462915342	2.00475649437205
38389864425	2.43768705836775	2.44410035019841	2.34935830877486	1.92933576082675	2.16224434915251	2.27684740525254
7144103922	0.783360552772548	2.75765939727646	0.579380145002478	0.493050814557881	2.34985439174196	0.329689541292013
4118618744	1.51212809800673	2.50660230766118	1.57072538240661	2.24404990989804	1.94899401679773	1.46275844930651
9624163182	2.24245174299951	2.89744443348133	2.58419003476574	2.58074431614369	2.69722025062243	2.78056559021264
3838808866	2.72853269985499	1.75802410177304	3.00422369510534	2.22033146919633	2.08444137991564	3.70798176739309
2770403672	0.894970562254958	2.1469180023619	0.714283959427217	1.79950340420002	2.36946889940559	1.14670749179532
9499511631	3.64668862320925	3.79265438867791	4.23436191071923	4.00335894049407	4.30808426756287	3.90624906186597
8926012722	2.9735221604011	2.8512605032441	2.708617291569	2.77760496366177	2.72222038244021	2.847617922628
8902724941	1.91518419751856	1.91162999746357	2.11145661637173	2.00484582621379	1.92255001534388	1.60407845638068
39347862762	3.28460673108827	3.19452658961738	2.86483606112343	2.2502201646849	2.74307810241049	2.59997887158153
9860845297	3.74450197411979	3.63778578860162	3.44710430223603	3.95732511611848	3.55080690014125	4.26161993653508
5912314921	0.85373369565553	1.97705001044969	2.06991790791678	2.06888921896866	1.98729457836236	1.52971060675483
8363633927	4.55162366777829	4.21967584665759	3.29651576070117	4.19367519696409	3.63165785550779	4.27876532427199
6399640305	2.01174999831236	1.87992232571515	1.75210161563218	2.22016161104856	2.25094562630789	1.83614915801034

SM1677021_Treat	GSE68607_GSM1677022_Treat	GSE68607_GSM1677023_Treat	GSE68607_GSM1677024_Treat	GSE68607_GSM1677025_Treat	GSE68607_GSM1677026_Treat	GSE68607_GSM1677027_Treat
1725106378	2.73088271692865	2.70818360177547	2.41023697463708	2.76227498418661	2.32321728645645	2.56143129272929
5413002243	4.2751245752073	4.64545858324067	3.71979330389861	3.84850124687722	4.09043685276448	3.87633666444372
3574362868	1.56204638037719	1.78876005180486	1.83845069069337	1.71875217750107	2.30076493261733	1.56241943531501
5514896638	2.42911135295829	2.54672832052774	3.35738195953758	3.61300688372561	3.45237182014954	3.85456309447048
4576955893	3.58050995722558	3.51729403244602	3.54521201968916	3.30401188070763	3.37145797359547	3.39144458148442
7438864175	3.10648417548198	2.95208826708356	2.36909897599897	2.76821365236319	3.38992652733048	3.03622180196903
2493796716	4.40604668952635	4.12709446837751	4.49649223359021	4.45470539896999	4.67940329305043	4.00676916907201
8982607398	1.3838949842345	2.2529868325989	1.08611499134819	1.75871174361157	1.75503475538833	2.66100780973453
0125717096	0.784857700862824	0.139058701053296	1.97407438078477	1.35729694255651	1.49572768310695	1.74410988635877
0723094514	2.7356961834311	1.91969800592466	2.71634417180828	3.42160338126319	2.35416946053931	3.51059487631812
59168312253	1.16720686356561	1.9969519836704	1.19199154099504	1.47383610578792	0.929094807503393	1.78562958122864
3917892797	2.18645526674701	2.96102677176141	3.04708290397898	2.59192618816663	3.49031403211566	2.69739806357869
5724627193	2.21288340813352	2.78616310118577	3.06574438261157	2.37972757698707	3.01866224675297	1.7641169859058
8861035685	3.45574723980926	3.85392899986681	3.76322357869562	4.19519231301314	3.8657289765228	4.6549112945348
4715168065	3.6026814466545	4.2258491238197	4.41937650838836	5.11542942245997	4.65703790436063	3.97362012406033
7847995106	2.94710155766213	3.16218861007169	2.81814997203694	3.4516125164259	3.42413705615373	3.43326582663212
3912382801	2.63746947626046	2.32855737021302	2.17685329143739	3.33155911653581	2.19496579609605	3.16245781872481
1729668978	2.62518938355555	1.88182284943015	3.15655708837713	3.08351141761776	2.65883961182201	2.74284420883977
7681207013	3.11753459769261	1.92191668686606	2.47523049567544	2.36415601983823	2.63545635293571	3.57140580052915
0982601045	2.94122143086059	3.73581421700432	3.94802515523077	3.52333090948297	4.08097940771481	4.17238332411007
0992884177	1.53282384430455	1.29224529701583	0.710897337916655	1.15254787774555	1.34092569688055	1.65099203067045
9495075134	3.34221085270332	2.17738473926639	2.7724452380764	3.27392952650794	3.85172491838478	3.27832818417938
4656810296	2.1353493722363	1.82377117583364	2.83047212178589	2.28823668488124	2.46857701354826	2.51462425684068
6341147683	2.98737146434221	2.63983774161921	3.42284709956907	3.48527708817288	3.23666573183258	3.68347543418208
7544268392	1.54639622398931	1.60105710439123	1.67786101328951	1.83272320155701	1.711174094829	2.0267705007047
0061845652	1.99658832634415	1.68785471868565	1.57356175129292	1.14622123522431	1.345885571843	1.59005901305114
0384439172	0.162204213400891	1.32747699874024	-0.040538808983581	2.29987171207049	0.923824886639883	-0.0420135484483277
2745582858	3.25249151440985	3.51593318802254	3.26292788439852	2.98885916623548	2.62678000333456	2.73658155412186

SM1677021_Treat	GSE68607_GSM1677022_Treat	GSE68607_GSM1677023_Treat	GSE68607_GSM1677024_Treat	GSE68607_GSM1677025_Treat	GSE68607_GSM1677026_Treat	GSE68607_GSM1677027_Treat
0024433882	2.50070882818509	2.49806690105784	2.59118589090489	2.47499870262157	2.30486600872672	2.11014336844476
7237572382	1.66971720042324	2.30753153422436	1.57703660306822	2.66571110190856	2.28877146883677	2.88578095425434
1944842074	4.00931282324964	4.00151928787986	3.81889904845838	3.71469236038083	3.594833559251	3.71087687581864
97195186914	1.10427315556052	1.65223221145195	0.40076181333518	0.252595143192988	-0.133916563396265	1.66343722427289
9828057691	3.23970085588622	2.95345121354099	3.27716925230972	2.91106403775291	3.72128141345556	2.96988290371761
4074895978	3.40197975852668	3.35270605301607	3.91830554416294	3.44302578304092	3.96373189909485	4.08996398037665
3688571353	2.63031105911774	2.87218860047244	2.47117637295357	2.81723790321844	3.05256472355629	2.96810365347642
96542047142	1.63302123047276	1.43271802953904	1.62768894724541	1.90583732455196	0.944267745371408	1.6579449070515
8683760935	2.40946304574523	2.55652714903774	2.21390582859472	1.90431905348635	2.08459858687222	2.79362854698101
0006556476	1.35384858714666	1.74438540135844	-0.21275279847786	-0.36660078572424	0.746271413345815	0.274074209504965
8766450136	1.21633469538325	1.5169262745437	0.288019060982681	1.20549291056645	0.723086811007423	1.31429708720108
2114945764	3.9830315331651	4.17087873304707	2.3016481367419	3.93527631724956	3.4809856952242	2.94613434711177
4295191416	1.0918754960121	0.309540629727113	1.11688254029502	1.04750112119823	1.89274907392131	2.11311198588782
2612407648	1.59121613286765	2.11277464485713	2.16837160716477	1.49191339266765	2.30333797298277	1.27010294002827
8898863425	0.535105380810054	0.572515184444505	0.20643737402827	1.8769225102704	0.201325390077871	1.18842754723016
8573933328	1.40867121119262	1.71415907962313	2.1765228219486	1.03193823827696	1.5284842327041	1.33873514476018
7667328966	3.00589102035269	3.57121192115296	3.59957577473288	3.26652128710387	3.17600498896741	3.95680482072441
65617112258	-0.334701721065119	-0.522122345855911	1.56305539725948	1.20271629965529	1.18615006709714	-0.200740642360928
6981858917	-0.0153033079421079	-0.302493692869102	2.46484755093007	2.66074527849903	2.49967477104764	-0.580254644696892
35864644893	2.92195033484278	2.63913897117757	2.79391270668124	3.04233124474101	3.13685073883215	0.934990284167698
8769220657	1.95211378489273	1.50914148613841	1.88634743160235	1.68588856020725	1.44490699240687	1.07772506332605
6494692706	3.47061369886396	3.38955280567982	3.42866462039658	3.18926094838035	2.93597647804026	3.03024704447419
5869456333	1.83014708381272	2.440949158624	1.86132402348216	1.81090813224796	1.99388242412766	1.48245815629154
1326551582	2.73155063735428	1.74986936346613	3.24103528378027	3.59891116180039	3.55382990283162	3.420483117027
8657192892	3.27799142580324	2.85463907217908	2.86624357843892	3.08644061361487	3.45565992763486	3.33397044347506
9756269155	1.50970766416135	2.90816798987734	1.92522995059088	1.47061207650208	3.07058228379876	1.47156676529126
0374221725	3.01853223194803	2.37974264727589	2.87008938906782	2.97256829324341	2.62544083643597	2.76142916748209
2201692123	2.64745051208234	2.71177587034089	-0.0278377382245096	2.70347988886275	-0.0655409287981006	-0.0236026093928305

SM1677021_Treat	GSE68607_GSM1677022_Treat	GSE68607_GSM1677023_Treat	GSE68607_GSM1677024_Treat	GSE68607_GSM1677025_Treat	GSE68607_GSM1677026_Treat	GSE68607_GSM1677027_Treat
5357664965	4.14733467639757	5.02730004189493	3.83169063145896	4.41246818769523	4.3139334444467	4.50999367307547
58345192667	0.0445377637344352	-0.0881141205542314	0.0845295258508823	-0.430484044124346	-0.538473391099211	-0.641685027458107
0943076774	1.66988280073574	2.77326326959484	2.80298658050906	2.01144656901993	3.0554740528141	3.23879205221404
3644500709	2.06193277577108	3.29717808725098	1.73407962475078	1.82056540637286	1.86740992061678	1.95923978551565
9482032741	2.72512459418802	3.08051253565524	2.39181747895002	2.71973768739088	2.52576340767905	1.47276053520213
2961149205	2.49284776233321	2.80112239768353	2.70462260880849	2.45881866244893	2.34229634336464	2.45939705448909
0096402783	4.22838175643758	4.35166835820631	4.40869356224884	4.78613559230463	4.72975955797787	4.63349079769389
1892312905	2.15594949404366	2.99006513584549	2.99918104404101	2.69805096359388	3.62790668832247	3.03035690717118
3920308735	2.60126929280716	3.00222896012898	2.48710092360102	2.80432807776276	2.52969314138896	2.2163602480268
1598350248	4.04084403032279	4.43932771855251	4.36270876483699	4.72376732874864	4.35771725784226	5.02348637117484
0263491345	2.86345810736797	3.0393157813415	2.98245213464996	3.12275896967533	2.956299866147	2.7242029964789
7451416336	2.77093163638538	3.13676857553875	2.84255088144037	2.9052482342235	3.21458409759287	3.29757326463427
1368429189	2.58110131093532	2.46766257802757	1.16648623703657	2.04960989839758	1.87010371945332	2.47217714412902
4495279761	2.39027497419925	2.47913526955842	2.39602435595833	2.18151601834476	2.1253840725777	2.04869100499196
4849888542	3.50392398869401	3.6769427124602	3.65438706250601	3.48005947145541	3.62470849625616	3.25295927552649
1958101197	2.79152563538405	2.69910940119678	1.51542502024607	1.25709669333559	2.37929996273322	2.60173642135086
3429794271	1.72059466809353	1.93960384219309	1.96944955970153	1.46101421781162	1.65325712892592	2.1546675231402
7238122781	2.68369960902473	2.63034537270654	2.95361721529637	2.65147794936765	2.47285761915014	2.32178632998651
3891214114	1.32885610913782	0.389709576678303	1.40828271401503	2.72361133800446	2.54440819904775	2.85163330959215
8287911319	1.24220902136808	1.59942282255247	1.64700922450296	1.66775111020489	1.56432438155364	1.70216091203724
476234966322	1.24897294214065	0.718668763429987	0.746074528990001	0.73095792370176	1.86886913027008	1.11507847983766
26442994951	0.532262116591467	-0.162915510825167	1.17659913650947	0.159816361686583	0.0406239070276416	0.147320437545111
8780780827	3.08537902801652	3.43058589222026	3.18599107985321	2.8236409510181	2.68211107339545	2.9124411840206
1533777844	0.814886231769615	0.413296626613742	0.642942757336728	1.25497366506695	0.492980785211566	0.841203680390109
6533198444	2.39179948313823	2.18984702992557	2.3782347311229	1.99757775828141	1.7726532434611	1.90681835835314
5832831068	3.26086607138508	3.15126113132911	3.3102380119379	3.13676765811645	3.13795503285013	2.94063725925744
5619419874	3.06515011235254	3.29831285389274	2.8076269388773	2.96191013437204	2.7851240991838	2.94102692474146
2888571064	2.77835815766893	2.52080367664925	2.36194424304201	2.51467912568592	2.74239999978543	2.31936045044593

SM1677021_Treat	GSE68607_GSM1677022_Treat	GSE68607_GSM1677023_Treat	GSE68607_GSM1677024_Treat	GSE68607_GSM1677025_Treat	GSE68607_GSM1677026_Treat	GSE68607_GSM1677027_Treat
7636398456	3.17782911873555	2.0521146423736	3.09434759959259	3.05079503264668	2.52287717745566	2.72745006507182
3543816659	3.36438691450586	3.37017491795319	3.61635102566953	3.29644810097335	3.55919694587735	3.28466686131295
3341091963	3.37332077838538	3.38117715340531	3.40617000340305	3.49469107191806	3.27611921351847	3.17136174722147
0921968116	3.07381399193404	3.26496765095844	3.28813930016206	3.0684499208928	3.4905240556532	3.62731989028743
8144679497	3.80937890824223	3.61661455018168	3.63721690761818	3.63305414727097	2.86211981745948	3.53976884310156
4813422308	1.88885713758052	2.61659096815786	1.845851672298	1.87097890278199	1.59247657219911	1.38167289997315
2273783904	5.43922932539821	5.25929159707765	4.63991333833058	4.99720404503814	4.48303314549365	5.10389320076848
6450234776	3.1484392377105	3.13254042088575	2.87153739116146	2.8750350585111	2.82859836123494	2.76506512660734
8685465696	1.84649090094551	1.59510856094611	2.96128604491898	2.08598186126015	2.9251118227975	2.52604658731553
7398679185	2.74813695109524	2.89189595679809	2.1731638135502	2.79026393417863	2.31543759479599	3.05393408159088
6689919223	3.33613272618593	3.4087884633365	3.43375233772523	3.27360032503059	3.39365634524464	3.34869737251159
3108868464	2.56107251971021	2.51055070835273	2.26283946164285	2.44755281884219	2.46714258201145	2.89736895270746
4336069919	1.09745050707323	1.11836255474453	0.67845159547822	0.996025363825829	0.862052123841622	0.997734014891532
8561989217	1.56604072609418	1.12938512371382	2.98182440396554	2.39416904161389	2.65609735172862	2.68833502845606
3712204608	0.509745591794189	1.40751695703091	1.2959055556379	1.80076134711424	2.0779436187949	1.41380424932969
8442058076	4.22593940070874	4.08074396071187	4.17870455789648	4.25374145948091	3.76334235559404	4.10058243536776
3018682255	2.2454633567084	2.60735985764061	2.38278222004551	2.07665488909072	2.69964764667846	2.58292290332937
2501282151	3.11075676736175	2.92257897317822	2.76482519686387	2.86436659330857	2.76198325020027	2.77707760884246
3345635858	2.09590253229429	2.44102907362208	2.43905950918561	2.47469349968988	2.0305432328406	2.28442358921702
4906921042	2.45071488322957	2.08955365982639	2.36381445037379	2.60656447220092	2.61993780781591	2.65694832400892
1563881962	4.32668810023514	4.74753580535098	3.9777037063271	4.05910681019439	4.43553812979187	3.96559862556059
6647032981	-0.0610578743756615	0.566757658082942	0.252543801338708	0.476499236791592	-0.158482208238682	-0.179269311456062
9979120097	0.874560300352101	1.19584668909407	1.78649888987632	1.24209751142179	1.44368223636287	2.00419487227879
5222207245	1.35192377603504	1.67109148492171	1.10532902752002	1.0979040877438	1.37608177523319	1.77829332660343
9234204125	1.50962680858535	1.93040668395177	0.0717481380210527	0.837057137797945	0.866932440375143	1.12655685647269
9206747533	3.86376546892046	3.89990711423116	3.4669624137564	3.87808972131128	4.10365020774162	3.72311925652417
3717380173	2.26483662217227	1.08344822997857	2.25152657934761	1.57143559736161	2.13300349545779	1.79804206044253
8764779148	2.39316455461529	2.80026367649129	2.21635012575532	2.21254741011747	2.18309098497463	2.0095610889115

SM1677021_Treat	GSE68607_GSM1677022_Treat	GSE68607_GSM1677023_Treat	GSE68607_GSM1677024_Treat	GSE68607_GSM1677025_Treat	GSE68607_GSM1677026_Treat	GSE68607_GSM1677027_Treat
1170579477	2.08621628328296	2.40470400297085	2.92847005625405	2.32180995839132	2.30298160587697	2.62005979176709
3489682422	2.75631249634517	3.6363077870789	2.74231796964624	2.90086463080842	2.71411322770222	2.21042239028082
2098024181	2.54524823413234	2.57890847985928	3.44039411729847	2.38191139004404	2.83923090055471	2.62669549208204
2568458467	4.62884091009313	3.84940948343085	4.38527119285167	4.34493070624287	4.58502972348825	4.74061276913664
9882338747	2.91299969561082	2.69484756972119	1.95744003739388	1.87134750980557	3.06924009414599	2.56078261543526
6003726415	1.43685561180937	1.34030583060107	1.33111698293295	2.04019539744007	1.89554781234159	2.0803811199062
8544523575	3.78357787407793	4.29857074945482	3.16212742928202	4.15894745711931	3.7750676881919	3.91684440242386
2233583258	2.32743287071433	0.837694846371897	1.76952718654527	3.00573824274461	0.726375957751062	2.44219382761605
3216401737	2.08039021936791	1.90505760431592	1.75997317069296	1.13060552310146	2.77706662232828	1.91829220547796
8634074072	1.38551093817169	2.79065428427182	2.10914464163191	2.78377948562932	3.30922064106468	1.39649009581057
9494749919	2.47473799521968	1.95346176705744	2.03534693903169	1.42231199274141	3.5286720879232	2.96265313187805
7680446208	3.16041460411013	3.27731741144072	3.24761291336187	3.30482237316696	3.53309157220094	3.41544383068158
33381941361	-0.45138224691584	0.934106834687788	-0.201934658161633	-1.03531030736383	-0.51626231030762	-0.891422326394504
1951200486	2.82333476467403	3.20166991506863	2.77132425534917	2.6562337829366	2.71144712485554	2.80240553505244
3717673743	1.73713710626611	2.63977166737612	1.95246102391874	1.96314656682874	2.13449561403764	1.05781880459868
7841421284	1.51570913575695	1.29892720968932	2.20531556352782	2.24104219599334	2.11859663069978	2.22485556610438
7822817327	3.14537803521917	3.04280116819502	3.16686369821213	2.97472206542312	3.00194637118151	2.40385046450369
6512824707	2.44067278627727	1.95369870581284	1.97800406405142	2.36998673719823	1.89513454353899	2.22032883417107
30205224203	1.64878191984203	1.30916884048827	1.04956248589088	1.04173813678998	0.325941817270392	1.11465067873903
8848090728	3.09713637184164	2.61091166730195	1.92707954833687	3.49265323267669	3.09662604447932	3.60679417960855
2202907116	1.28009215479222	0.465896175379184	1.47263881353951	0.742490175459387	1.23218367065671	1.69687008452418
4228549358	4.47944670304023	4.06487955541563	4.05336604932789	4.14150024550417	4.00421522023023	4.2807382143082
9136349596	2.10580139153936	2.19100078517757	2.2540734892844	1.44365746340214	2.28542623799155	1.5629768020606
076036079	2.8334904710626	4.28659897938258	2.41495207366097	2.73297706699136	2.95944639818998	2.39599739379707
4368174223	2.83430576085995	2.74054285704404	2.64350613951128	2.50453979394306	2.26740961577358	2.39369705429261
2216446716	2.27297561325545	1.3859485708797	0.998377056595945	0.462514586661731	1.00461989836916	0.274477890313974
5797158184	0.874688308691073	1.28317009126256	1.48822177872843	1.82203598540353	1.89986630967016	1.03059830183479
6663706498	3.71846314404206	4.06841616937489	3.9937755893476	4.10878445276167	4.19343519009132	4.48776371302149

SM1677021_Treat	GSE68607_GSM1677022_Treat	GSE68607_GSM1677023_Treat	GSE68607_GSM1677024_Treat	GSE68607_GSM1677025_Treat	GSE68607_GSM1677026_Treat	GSE68607_GSM1677027_Treat
5074929855	1.87157480892942	-0.058864948410779	2.67622350336819	2.42325310924585	1.08214144571663	0.573398129247262
4540231516	3.63432260636871	3.36875498621447	3.03729239604189	3.23367475074505	3.26981705358937	2.98272278522197
0037790522	2.30017109373518	2.20361079243476	3.41275972173261	3.36472348871692	3.24343670856953	3.63741558106158
2629430784	1.91759364707701	1.57015986102136	1.54132702970943	1.85013584978396	1.26500658185202	1.82547939309783
7148600574	2.82374618885957	3.12256701410486	3.38244726750298	2.55017545021774	3.23096199196801	2.94953321929306
3563804953	2.69846161375122	2.82923666067203	2.04808012016941	2.47024359435853	2.61281321709194	3.42472672431768
22182100068	2.23727586466159	1.64189950573253	1.46067325388053	0.843692514899174	1.28866136906153	1.1247094430254
5808407495	3.73663780220346	3.47703738034045	4.19801732962218	4.37294975319275	3.79975848871206	4.53022786092395
9731120369	2.77143478875	2.65634906129925	2.57818695247807	2.47294981930818	2.32475257104486	2.39940165013803
9104307226	3.46164229835551	2.11047701413925	2.84645852071515	3.19747768725348	2.94384514619939	2.47254972755456
9388746879	3.95377809450069	3.94378874943666	4.11743680297183	4.24693601777095	4.0626401788307	4.44267868820666
1122215049	3.17018789762769	3.25599153995008	2.95598931599325	2.89801961529948	3.02558118925772	2.91692486479477
8158805787	1.31998331187724	3.02666449998315	2.10152314539039	2.0154315813375	2.804966323908	3.05442091117402
5081464721	1.2465433369378	2.22770421930632	2.46132177007199	2.26253714602193	2.34625898380038	2.92259311980417
2606888012	2.41603261820953	2.2588677534548	1.26200148211922	0.277025788777253	2.41324135666697	1.97193777343511
1542894045	-0.329848225376	3.10319201110017	2.99658696472651	3.30337180203746	3.3216016077237	-0.154994527941209
9617390476	2.62053626116785	1.49638787938153	2.50178852382217	0.791316871042492	1.30143167689652	0.659469604525443
7823533443	1.91705551735259	1.8428486585027	1.99374501083893	1.86125508650951	1.98371905822123	2.73861213856898
8663638603	1.84204376255517	1.34826615773741	1.47308981118014	1.52941970946135	1.05127115649443	1.07634492560768
9875204866	4.57538138132349	4.71654462282325	2.2789992734357	3.55906806528338	2.82380854286616	4.40257651910273
95350736124	2.6135436089808	2.08675904226072	2.31722313247408	0.881047179416011	3.18679620566805	0.67272846808096
6406381288	3.44175813245797	3.48370160082873	3.52471595693551	3.90363737425132	3.76626638474382	3.84911941164742
9815683757	3.6191428870622	2.97634795007252	3.35029227048962	3.41184080128053	3.33722725892664	3.62496545748496
4040679502	1.8503335192826	2.01945561111343	2.14371863855349	1.97031087240176	0.235646594573567	1.92905221311453
3345424093	0.954847549993032	1.75388242992852	1.99211220358194	2.47827042010882	2.35901156688543	2.4629910345404
3234612203	1.97578137377651	0.637544585625892	0.998341727643179	2.63095766911427	1.25532382004402	2.2695694045633
9870733647	1.52423627766995	1.59104814257162	1.48249921482586	1.78142516229978	1.13762591599971	1.07921540494198
5830845807	3.54247429136113	3.38357519855153	3.24650786036843	3.30641699023617	3.29588710057403	2.98149203213502

SM1677021_Treat	GSE68607_GSM1677022_Treat	GSE68607_GSM1677023_Treat	GSE68607_GSM1677024_Treat	GSE68607_GSM1677025_Treat	GSE68607_GSM1677026_Treat	GSE68607_GSM1677027_Treat
0577159098	4.63177752453819	4.52893813424774	4.65379206427021	4.82148239211815	4.55788750355181	4.69411355019974
707960063	1.99482854466756	1.89066171379804	1.91347886923702	2.01768295056342	1.52848345815553	1.64490167564567
9597534278	2.41350592096875	1.55103595994925	2.61302773821161	2.78610328822466	2.02989788250223	2.31032848392599
4852764076	2.54298999761008	2.93329991763927	1.83193082538819	2.71661547844648	3.08355209930162	3.54808237276092
41136405591	0.981998584657247	1.19000867960543	1.3081900005156	0.838408580649363	1.15404468190764	1.18023965588717
48198771697	-0.0581147575734373	0.16714231948635	0.377828497359651	0.68256990177572	-0.106157189024891	1.14273091556875
9810077955	1.36716026576133	1.80714499705179	1.74386236725044	1.84130837609031	1.65560813196651	1.50815952139602
5956976981	2.75052449531234	3.0271028505993	2.87095242234107	2.91951598337903	2.74331600245515	2.4465681048282
9944533858	1.56422959439442	1.95009494427337	2.11981093788806	2.59766547270208	2.54514127048823	2.17650230552704
7896815495	1.66210712681773	2.7159816533106	3.78579842314592	3.32364337064054	4.04244604786812	3.0984407634896
7580486426	4.59048367420973	4.67840555793112	4.26706887081434	4.3243598431439	4.33334991786497	4.33266518123101
9813001543	2.45166662330594	2.72928868374735	3.38686119421591	3.28777612450835	3.41330589181701	3.10289482564862
5161022833	2.14882919374692	1.68226988163889	1.27135280984579	1.63144060521135	1.02159485799029	1.11372589880445
6986262856	4.12112332176585	3.47850145531878	5.08720930358869	4.51811248244205	4.76097799133233	4.80754907896411
9715992639	3.30227073858733	3.15144429463657	3.19741024605944	3.23777239429523	3.1119740706769	2.98776569264573
1912592819	4.12701409808354	4.20898214206942	3.69875361868607	3.96760770440883	3.47827282340264	3.65957155906812
1372268709	2.87256178552945	4.00020581013192	3.16112382370869	3.55864159386417	3.50877877610991	4.45618567305422
6326709094	2.63522861521825	3.02700695244171	2.00029098209396	2.28849075956028	1.43736186606202	1.6577355853538
7345141033	1.35262625487297	1.17697976491859	1.49991789928252	1.90195070899399	1.84909768360857	2.01868749865023
4097012352	2.63859871892915	2.16837174684121	2.16803382196116	3.01090334800141	2.19306412259786	2.16033980855625
7597237955	5.76535191380099	6.2210245257597	4.50055007306791	5.38163166026977	5.17829744170409	5.74352607513935
1968500881	1.38579023969098	2.23084249497701	2.64832928488283	2.22054872475766	3.1175867904044	3.44571637100642
5671383206	1.37464746751737	1.49861493759848	1.54602044580791	1.48124676488776	1.55796265838621	1.45622787601142
1182217269	1.86422707177825	2.56805376294123	1.46086692673283	2.50295577019977	1.7956219472414	2.8094242307284
2009708756	2.95227130705039	3.03815498855505	3.09187765607489	3.07118257471382	3.00347210503374	2.90931985298724
0367598856	2.61776613781613	3.15134092113211	2.77881020843212	2.8551947006124	2.89664433981448	3.21348678063838
4367329732	3.33814140790018	2.81818552135558	3.1231815638481	3.09583769687347	2.9292745220792	3.23687333909152
6552210744	2.85551290537965	2.72782380301639	2.27275023024428	3.02796764213075	2.85398645169264	3.02327190534026

SM1677021_Treat	GSE68607_GSM1677022_Treat	GSE68607_GSM1677023_Treat	GSE68607_GSM1677024_Treat	GSE68607_GSM1677025_Treat	GSE68607_GSM1677026_Treat	GSE68607_GSM1677027_Treat
5087285605	2.44948908866949	2.51684270488306	3.51343521670406	3.61212816399178	3.53988294876084	1.849226911189
5877494136	3.60875320172397	3.61111665173658	3.33224059484842	3.45792304248872	3.15565337723732	3.48198061247418
7009093593	2.44918424043731	2.59994478717244	2.92950711307168	2.37188068892912	1.80127532183194	2.2009453044235
4668807983	2.06768581112461	2.83181151750166	2.95572409541101	3.27491999309364	3.0935040181941	2.49561497802537
7847538459	2.92896559954255	3.01767811769938	2.78707481844806	2.67165001225177	2.72393801263974	2.64979539629037
9941078883	2.65834471113581	2.53293889243349	1.06273050612941	2.58063501760652	1.86324399592672	2.3965060440866
2106103821	1.87187618742679	2.25415958655572	2.73742538617631	2.08824583709602	2.67146193718515	2.38073799586687
5518701463	3.04659527866361	0.991104348288077	3.06089003801219	2.92903438048541	2.91647661405386	2.91367210191528
2495004005	2.38448174837272	2.30849917095465	1.76563442597948	1.55326655877099	1.75111538662432	1.53274134467033
1751542394	2.75179139984408	3.09053224709113	2.84303834005571	2.81545795795825	2.91444233520336	3.27190316754334
3991986404	2.66453742950897	2.27662290661464	2.83072894858828	2.85656615307345	3.0824040836133	3.23832800230401
2607842454	2.64867172413081	2.49771419212925	2.42110437757956	2.75488892770745	2.58432960728162	2.66683290051851
63736080213	-1.20146831027834	1.41018663492659	0.420922152577945	0.104569270500846	-0.119147466038297	1.00966843825797
6935695705	3.95293777084422	3.36458557399551	4.3070161895625	4.303512538398	4.43788137201437	4.07267981257889
3083149676	3.07956818680246	2.81921516576607	3.39750196675197	3.94734046199642	3.4107369689662	3.87703363841433
36898049561	1.3911127807692	1.11037168116669	1.37173618187168	0.601400537988729	1.10468296543175	0.742829254376008
44349335931	0.0707580013648024	1.36806011837143	0.753753006627115	0.899115685117436	0.945553757819189	0.59182022929879
6417526895	3.50854416679448	3.18021443548092	3.07167051151996	3.18748085849063	2.80506854944938	3.00103579519191
48787928804	0.582463574393946	0.346844405337135	0.224295617085176	0.690321741260654	0.338564432688275	1.15150253553502
49649792696	0.0319475509762511	0.833501099141732	0.260959916958829	0.164721158086636	0.0065096747730409	0.0065096747730409
0464124362	2.3760736395531	2.4812455918488	4.29833716482697	3.36776385624698	4.27077358996356	3.53896229292075
2703507433	3.07805068703692	3.09285258727223	3.62609988237931	3.64042895518428	3.84794162649255	3.90086877153828
4584554195	3.12546442254511	2.9006742034317	0.229578819452424	-0.168781350463866	2.6437399283201	-0.220907448456436
0606273748	2.83127510683771	2.60929015080945	2.76505992523634	2.49284819803442	2.44049452215894	2.35946088627272
3699651665	2.8571179928162	2.43299567100263	3.17200717328811	2.98991814695033	3.0960658910344	3.11691013226504
6549695831	1.70884631104783	1.76057711497621	1.79916175451627	1.95291243880154	1.49304971924316	2.07932717956745
3486576297	0.944588025514935	1.48991021126632	0.801311614653642	0.720212093422931	1.01948761081627	0.930068390172609
72711260793	-0.358692269212217	0.200371667759926	-0.74370490642559	0.625901634688715	-0.0530866262722735	-0.298661501819183

SM1677021_Treat	GSE68607_GSM1677022_Treat	GSE68607_GSM1677023_Treat	GSE68607_GSM1677024_Treat	GSE68607_GSM1677025_Treat	GSE68607_GSM1677026_Treat	GSE68607_GSM1677027_Treat
6444854587	1.52863611989818	1.52397737013123	1.7436657405199	1.80104794917183	1.20247434657992	1.50803323078915
4121528694	1.46703665845762	1.88764567634322	1.23526407335924	2.0441508368338	1.43853622730359	2.24324786198715
294713139	2.2537978883648	2.55721756687178	1.60986239659045	1.96960156985089	2.14656292453301	1.50476286480231
9331065865	2.871038809727	3.11292280331032	3.33717440872251	3.21639441385986	3.62598700420663	3.28157760798812
3506355145	2.35850248847788	2.32340635384919	2.11835905908605	2.84811243730952	2.37344431431086	3.41644209571134
7372216132	4.28982352419978	3.75246570037156	3.92176393137487	3.99520674179867	3.80993736633601	3.60586132069413
0567425003	1.657294113961	2.08094804646299	2.56180111440925	2.02101412697138	2.47484344555008	2.0057171404483
801978774	1.42469780394366	2.79739514355159	1.50383707893821	1.49296966649168	3.21236786372517	3.11330004131065
5056698195	2.62761306520737	2.48120850492029	1.81749342068716	1.7512201869857	2.0958266272317	2.50770522188145
7714208768	1.97533825555231	-0.0961401158769137	-0.0863844143392674	1.92158429166653	-0.0488764321975499	1.85420438689713
6955044939	3.56973146944618	3.71437221146245	3.71843624821697	3.54697042084037	3.49382337589473	3.49515732942403
9054804466	3.14400250685854	2.80141470341306	2.61145027641553	3.29656653150329	1.31736596989263	3.608023409776
7592976408	3.06126611617108	3.11788163358754	3.19430778034093	2.79180081801013	2.95991684311311	3.05818829409989
3332909014	2.65762765753656	2.68035518454851	3.20927257713549	2.03069091738648	3.06338846377659	3.09879945177287
8616170991	2.67556455744695	2.39210588211009	3.46332503162469	1.97381080047621	3.25531847719044	2.64488597700443
5948405198	2.90795086696182	2.54111147417391	2.46188744950921	2.53247531564301	3.15418495933367	2.48502342491291
1962885242	5.23405814151472	4.17612399655201	4.58236118573852	4.89215530054974	4.61811741758302	4.61811741758302
25603921985	1.49571714969729	1.00406094604544	1.41322162251375	1.68707293439591	1.55809152992158	1.55240661688822
2955384547	1.60667185969139	1.82191608335026	1.75967930912344	1.18142978077892	2.06305759396931	1.74847138807656
0959481991	3.89400243572395	3.77138607132991	3.77673869867005	3.63068708547368	3.64369624242485	3.49714329513365
6611157771	3.04786335655123	3.02639609625757	3.90193438495194	3.45252375647376	3.59465832632132	3.81368257996339
6691625421	1.71948453138449	1.65667049872424	2.49465830780344	1.66198549780819	1.43443417049619	1.58810770275526
5709473055	2.06512376130378	1.29252461290718	1.82923469768134	1.72180389618145	2.40596025482561	1.99992502317844
56153707952	2.07438574477726	2.11537306262162	2.31470074461408	0.611231552722708	1.62066391859053	2.01464630471817
4269895027	1.46189259435019	2.15134780262597	1.39132349197318	2.1780536665162	2.01009265697431	1.43033009728593
2901744472	1.22637806836832	2.25434173959823	2.39486476524949	0.535849085520348	2.49532117850627	2.7346416439368
6951065217	2.66891493520233	2.8809851173293	3.2237898433167	3.18757714516901	3.23791723102422	3.86911416531568
5114173531	2.80545211307601	3.07932191018643	3.17703080666759	3.03013780746154	2.67226891567796	2.7794970499681

SM1677021_Treat	GSE68607_GSM1677022_Treat	GSE68607_GSM1677023_Treat	GSE68607_GSM1677024_Treat	GSE68607_GSM1677025_Treat	GSE68607_GSM1677026_Treat	GSE68607_GSM1677027_Treat
7574499359	2.18468394342555	2.67421881201593	3.22368635362636	1.83868337312303	3.04431404277635	1.96828078052091
3525371744	1.74412964525099	1.72063751867467	2.43729704068333	1.72498093243993	2.01460618228328	1.48668742242045
4047423644	1.35382238452522	1.39863641418471	1.06269369290364	0.785880492435138	1.32502223441617	0.849473971096867
5938631791	1.28259314778907	1.06210589459245	1.03357927732866	1.19876465989987	1.42336821111657	1.58558799589995
0970543935	1.8425431140031	2.7928038804121	3.04294385904851	2.37290168886886	2.40767091717218	2.29052080550523
7619345279	2.60907814208336	2.74822183474741	2.5697291184686	1.34551540371328	2.48702410829321	2.71434647077591
8558576254	3.71956666301949	3.55913069314734	3.32403259609269	3.65928522876316	3.55393640326963	3.83920292099759
3077336668	4.0504507129974	4.21603240804614	4.57951975289612	3.33225058646138	4.19464380947692	4.53390716326187
5947431475	1.56812847666191	1.28016717283208	0.781251230000039	1.32483397024471	1.39940073325867	1.74622417616416
6296922014	1.84981562315676	2.26779951185695	2.5579801728716	2.51368786420113	2.68274303322311	2.90189129496985
3404759028	1.07508744470781	2.45019014041144	3.18798774450326	2.55809465647576	3.09266405469248	2.75066283115547
8291939604	4.18063441104496	3.96320168097188	4.00552089685196	3.59559924111875	3.64340367363642	3.54220083845546
0939922752	3.24999652498018	3.3933425179531	3.23619824743335	3.37021038825849	3.55067094427834	3.31923058842303
1762041155	1.36252817537706	2.32813396424427	2.1339842955596	2.19035234314543	1.38354239448402	1.20368594829253
1791299223	3.87005126613317	4.48834665326117	4.0822010720436	4.30048310548654	4.4200454351385	4.41525529235128
2135732929	1.66923974202956	1.75552442544117	1.33118874540424	0.989987084579764	0.784497217476598	0.710564626678463
7780747692	1.81689067005346	1.30650650416451	1.89424899763461	-0.0344322889211339	1.18360087902193	0.709181227968107
6952351156	2.82183080209617	3.34250099592879	1.05029338427093	3.32482729998345	3.39965070909406	3.6279715347442
3398490604	3.53456300726938	3.58489883395125	3.12757886547547	1.98274041754203	2.19318269665989	2.41112122750431
7471461912	2.7951268083259	2.81252861935069	2.19017458824151	2.53670187732512	2.83601890526036	3.1607741014943
5423829532	1.97347323170223	2.08314998844247	0.811371798319073	1.50860429145345	0.743840669242153	2.05765473486097
6564536246	0.953313425533102	2.82403024492869	1.15799501280868	0.348876830828613	2.99329556121205	2.49171609925992
8864334712	2.48227797359789	2.5134158476314	0.529007572183704	2.42530663257736	0.560283495510671	2.15464307928016
9666709156	3.10723744441424	2.98410286842989	3.18578957723865	3.031977901393	2.7952181553374	2.74446176308712
2963314077	2.39807398342846	1.31004302560843	2.26933850663898	1.50485705518261	2.0517776990124	1.99450464653073
9355868412	1.62159240032468	1.33419490743989	3.11488677993173	2.97446008969396	2.89038702890122	2.8182896329925
0101847826	2.97946079931279	2.98647100150856	2.83463610234729	3.08116758584494	2.81835633572638	2.8764254705404
7141402317	1.70352565800203	2.35546214302659	0.377366037952011	0.349307126388488	1.72732656626997	1.01966673379467

SM1677021_Treat	GSE68607_GSM1677022_Treat	GSE68607_GSM1677023_Treat	GSE68607_GSM1677024_Treat	GSE68607_GSM1677025_Treat	GSE68607_GSM1677026_Treat	GSE68607_GSM1677027_Treat
3417933313	1.69449150626321	1.39374734945442	0.905109063470341	0.777234678286434	0.904259184587484	0.517033622445176
40489337093	2.85222996237542	1.99331500924063	2.50284595478847	3.17211367580605	2.88047291400819	3.04805166988087
7857667338	4.15764605949115	4.96221603567706	4.34229052960773	5.0454959862279	4.78481851988713	5.23967993865744
3087994161	3.03046210272702	2.96130196767815	3.46682268959873	2.92043355912194	3.2493249183627	3.36648986451261
8079400803	1.83194782879143	2.44964534734674	2.03727810738214	1.65833961508331	1.94591717602729	2.85337432916794
2425994924	4.76047558615431	5.21960345469478	4.77900167638333	4.7596857057154	4.96170127713855	4.84979478640248
7334849449	2.509540621886	2.06690312075906	2.43636729290564	2.27522729742212	2.20677230898283	2.35087649101788
1398413287	3.10426932228958	3.41422411240594	3.18897588289291	3.17648910220841	2.58954619602907	3.00874764533225
1712689146	2.84230383681738	2.48113773992158	2.32274940066817	2.49587907399262	3.1666956268483	3.74903127274742
3419974938	1.26341193003869	1.40355782928627	1.1523424137948	0.0656615557812372	1.85643805661564	1.03164962252638
0577560373	2.70855135942264	2.76950841104607	1.08887518711785	2.31416293386935	0.785340303137057	2.26071101776341
7256722317	2.92265846905946	2.52206923635274	2.37879382723128	2.48973515768817	2.18363152216114	2.85348528338752
6991486067	2.02219943607827	2.21347033842613	1.45846409126332	2.07506709288677	2.11537658117761	1.36554943910305
0724563582	3.51765182819618	4.09064355972497	2.73322529894481	3.93385803114969	3.46607043628436	4.16118746529332
3770224234	0.798508512690017	1.31105062514891	1.33072188273174	1.83691643056657	1.71425174895334	1.92449381259765
5893096187	2.89976447402344	2.14189402149729	2.57159666892553	3.09162380624567	3.34506302918325	3.13345841553559
1244372173	1.26896235409746	0.73956489791624	1.5044251065179	1.244351074592	0.949762257826492	0.97221173304399
5431275829	4.10553769676409	4.12810210091066	4.33822519309245	4.55698499363728	4.80278819970498	4.42743584119051
9256869871	2.58812758828444	2.41512199728542	2.16509793569776	1.96313521739844	1.87127195857505	1.99316148868172
9111018452	2.09193380097043	0.976531684192085	1.3622205753978	1.99521702706035	1.08910795554992	0.91045772801089
6635589849	2.28281306346198	1.28246479412339	2.16481265514396	2.2680426073026	2.12096817098526	1.74713710394981
8079507104	3.67314081350583	3.37000941517391	2.31455773892617	3.38858780744967	3.40028064297084	3.76669556435419
34220780871	2.77997468990374	2.95723518258693	2.97842016549881	2.48203295595112	2.75060205329815	0.658750924849593
3677216785	3.75589035243042	3.66872753199449	3.47284733396552	3.33321887579203	3.03531968277352	3.09097272205224
4560036939	1.98497987981515	2.20194488132999	2.22833386457128	1.95027110802707	2.39889394234716	2.63416431598965
0104167076	1.26559780907504	1.59891994907009	1.36761761865142	1.62613163536597	1.48873222941865	1.57344502137069
8651138049	2.66519408797715	2.51170405841594	2.29656190082819	2.95268865280839	2.70180141298024	3.0794345264207
6273077061	1.99040247229108	2.6697866358875	2.87333015006056	2.82768371547526	3.08531016533624	3.2740330699119

SM1677021_Treat	GSE68607_GSM1677022_Treat	GSE68607_GSM1677023_Treat	GSE68607_GSM1677024_Treat	GSE68607_GSM1677025_Treat	GSE68607_GSM1677026_Treat	GSE68607_GSM1677027_Treat
73175802388	-4.84381351198654	0.723632771685451	-0.944319370870206	-0.371412978996003	0.125808336151668	-2.18408359789739
1054626957	1.36171247788071	1.51744072593283	1.31818647988008	1.10534847371725	1.3139742257574	1.21544690639205
4484881988	1.41758981552831	1.06514221798805	1.50083111668256	1.08697738118976	1.12486810895372	1.22477029196505
7636914255	3.79227044359121	4.12666965411493	3.24699208225467	4.07918587593921	3.56836292571185	4.28943739677903
1881837392	4.23198019374926	4.474046280029	4.00060528467565	4.11309220868714	4.13024517054196	3.92850426568903
6744550636	2.00270814183396	3.73769527237566	2.84044706594179	2.69056151719192	2.80448400383021	2.96197708492508
20063452836	0.792374093280414	0.559446711894479	1.70450377034093	0.824765918899351	0.65647867656105	0.756608681657947
5130459928	2.37155658121598	2.52441924172886	2.35144530144191	2.19972797775228	1.82163503011749	1.6458711538353
1696457937	3.65108171602899	3.32862860630979	3.40458443048467	3.34184108422728	3.28400898106108	3.5834979080498
6325651428	5.20443205318968	4.90261414263666	4.06632197301633	4.80520436618954	4.77408325275295	4.65080917041889
3489514373	2.61473772728659	2.75275342864662	2.82034782320333	2.85452054421124	2.3777225058101	2.58697870463989
6908446674	2.33500821893909	1.94948917946611	2.11337099187337	2.5405543707643	2.46520748668684	1.86006087382365
75527535977	0.898266545359503	2.36131992768167	2.47400993065152	1.94946724424281	2.08075991427645	1.39623462670923
1450398909	1.7476906203019	3.01951413637464	1.65462659991529	2.28863724495744	2.35019199804503	3.01577996267166
5084525465	1.69576572386473	1.52977276287048	1.41654751562494	1.06689260468356	1.2139056794567	0.707306250548947
01312106547	1.35990829849979	1.08767674778063	1.83638785258991	1.15839896018143	1.01514712859638	0.788530515247884
7866479336	1.45022193809078	1.66727878494745	1.73895322451728	2.4923372591512	1.76368278728755	2.08863036488412
1300731771	0.789415735111139	1.47581041585557	1.44636533961445	1.31067036136801	1.48478560650271	1.34114887016613
9473893613	3.10158895085231	3.00584740694325	3.04675134102202	2.85165638579737	3.05469797256836	2.46068580000455
7298402756	0.909555199699568	0.710329259117956	1.95618748788292	1.49569115182919	0.513650519428777	1.41198761530529
4227021133	4.00522115549771	2.88760699307144	3.27293392314699	3.92670773416858	3.70952737724423	3.54587097576248
2252887292	2.88030814206433	2.89374783752901	3.08875916146413	2.6783434120187	2.92767098720706	2.64696368447671
9361584326	1.11896624932984	1.82009438391182	1.85528499215084	1.89409228077339	1.75411121379481	1.54894306014648
5780589472	3.28051928920991	3.26093585645067	3.96575961865506	3.77294313594452	4.07576025460699	3.94897456655578
0409879094	1.77463716950974	1.70447491978353	1.55612373256134	1.51028285962189	1.44353113314848	1.42375304688998
1261004978	3.51056708667933	3.9767479540206	4.04468580316311	3.89924216297441	4.01965014233878	3.94978193636869
3299695604	3.3148593565463	3.64978797370977	3.73501123946306	3.69601290105482	3.96655827403809	3.94727250995831
5146611479	3.49724689092576	3.29172931040652	3.33520847209149	3.67035694767161	3.52705847393133	3.7912266327498

SM1677021_Treat	GSE68607_GSM1677022_Treat	GSE68607_GSM1677023_Treat	GSE68607_GSM1677024_Treat	GSE68607_GSM1677025_Treat	GSE68607_GSM1677026_Treat	GSE68607_GSM1677027_Treat
0806362465	2.40433321217439	2.47930336356949	1.64432262548678	2.21723502662467	1.63556003748605	1.99228934952706
0675920417	2.06998617654063	2.01047678437109	2.20748513680116	2.08073855839661	1.76349187584974	1.43879748990913
5427150487	0.349650435420712	2.18662348777058	1.86941340217567	0.0379096017118046	1.19932291422545	0.06999989937872
2794934861	0.788546146454994	1.6857850370512	1.32563793176897	1.73956901557067	1.00496668850885	2.76673713876364
18820495024	-0.0977795465827713	0.203332999858209	0.886122233655004	1.01681534898078	-0.641083818863174	0.615284752142968
9554212902	3.45607245511745	3.33641819838608	3.19686807694742	3.18643089377783	3.00599462235753	3.2576173375073
9725174103	3.09724755874289	3.23971415177495	2.69158364423706	3.45208845041617	3.06491263480302	3.40612746746813
1872850335	3.54887458537694	3.59339454117848	3.54966047314744	3.2685121561416	3.2136486901703	3.35489123642568
5628556692	5.02823270194227	5.00127254872773	4.8762080911642	4.81698939148287	4.68473322495314	4.71560754779885
5098325791	3.95373551743536	3.50787943451854	3.57967816183071	3.30650433992985	3.21886665737442	3.30431632527782
54610686765	1.24017581089657	1.40943183536069	1.2596889056024	1.3259160669042	0.765431678015958	0.945415180818125
5608031271	1.97893210692355	2.33763691383148	3.00358095563941	1.8868134582123	2.99471437530234	2.78731344346339
61197614536	0.0249598370305024	-0.123164784000093	-0.123164784000093	0.0899733998494794	-0.649095210773369	-0.172655925690795
33893337848	2.35522482318148	2.40185104913076	1.32490471777471	1.68514843224465	1.09367658959875	1.20218106020863
3273671293	2.06559947380092	2.59377367595666	1.91196261360895	2.71043870384007	2.20739540928262	1.97416094070682
3933003137	1.82261744542497	3.22695815853976	2.49755316749569	0.693699446390479	2.64209538433943	2.76571868081507
3611976392	4.34003815585363	4.38551186238743	3.80428268981574	4.05425049595421	3.87725661225846	3.70495127552155
5373109437	2.40933064443172	2.36599934451091	2.50950853852885	2.21154710192039	2.09186126342681	1.65126194143253
8493650658	1.40989133948632	1.9779988583735	2.25600336922273	2.88377446361569	1.60673060134347	3.142599011233
5395976674	3.08413614709301	3.14478541298089	3.24332838128841	3.09341271998912	3.03087405530265	3.21085040018909
6150265916	2.39479196966899	3.12620031705206	0.98295182489872	2.91841278575947	1.32147930951734	3.01076458050589
4650148393	4.4630160827891	4.2920436667375	4.39765458802381	4.72708984559511	4.81759132275516	4.97962208278588
7017010732	1.70518214543989	2.41538167338844	2.02735851843557	2.04766537594448	2.93564705426905	2.34362838972741
0984564269	3.80079996892087	4.37863091038149	4.09384911956433	4.4480111684703	4.29139510650848	4.24668475382024
6636550696	1.22094705746603	1.47279503033935	2.49617998522968	1.35890471068393	1.91155750907319	2.18522423081705
3218460815	1.49174734193637	1.45564873252925	1.12088463261995	1.09388420632299	1.29884425731594	1.56834349225266
8748512807	3.24658517501102	3.10035781164073	3.93717524950921	2.46480133070188	3.64377400972874	3.53750726284213
2939529757	4.26324952456701	3.83916371192122	4.38265541843536	3.8164110511755	4.37581410740839	3.62500693242688

SM1677021_Treat	GSE68607_GSM1677022_Treat	GSE68607_GSM1677023_Treat	GSE68607_GSM1677024_Treat	GSE68607_GSM1677025_Treat	GSE68607_GSM1677026_Treat	GSE68607_GSM1677027_Treat
91551170283	1.15130913454443	1.27210951532569	1.30680881491625	0.712026562076956	1.2293927138665	0.990137248912687
71225318494	0.781661570447539	0.150687504332857	0.366292624236498	0.566938802869309	-0.0235531362197858	-0.0905970219548071
7717351432	4.04875142080862	4.08258199894073	4.18613387508091	4.50697258370771	4.34515798260688	4.33091283296016
6873936279	1.36310978158965	1.6934448554281	2.0558615025033	1.99365128406469	2.62973133690995	2.19936386669736
3513900789	3.17642562593349	2.92529520309108	2.81007174867981	2.23259919065688	3.03522099020632	3.18950140404542
8168327457	4.26191163194901	4.08148087342861	0.0703474616224065	4.67335467401973	4.38960564961565	4.67500518116651
6902615949	1.58027363078716	1.74171268595207	1.50261918797231	0.821032343342219	1.64919828675152	1.45890739018587
9499365913	3.03871089856987	2.70675300951874	3.4954996104476	3.48300047085003	3.62330136222497	3.70578094884405
7998401409	4.335073369295	2.51825668120841	4.06588656440845	4.05850776802082	4.18204035289729	3.50365378389477
1742533716	3.19796647063038	3.29366002688047	3.23698213826267	3.21755984361296	3.35494798590491	3.04201307610637
9651083145	1.23060863364335	1.50825717616401	2.20744985505053	2.03917296697436	2.07500050405813	1.87468171866139
0793575236	4.15184485040673	4.15569332429216	4.08893210864105	4.30894141978374	4.16247636311777	4.58424537385224
9317114499	4.29284466628446	3.9622850838775	4.12611983772714	4.32394985907408	4.28683988019171	4.24790506880917
5114862923	3.64223219634421	3.53949532426192	3.51940948648212	3.41841102401666	3.28566576891646	3.59355233541013
6606658632	2.25708722038861	1.71612925303543	1.4492211646357	1.17433464653085	1.44247627526286	1.55506252201695
6890580079	1.94602331904689	2.59789467725399	3.07561704314012	2.95606607178841	2.38765955799421	2.725921839898
6725761003	2.36458367203391	2.75476128460992	1.72131286285294	2.56280247591257	2.09770767693534	3.25976691979728
2379095902	2.49321067806057	3.25064180671539	1.83014203568694	2.62558674241676	2.92344717041125	3.04179803217327
71085718187	0.27196119843863	0.299966075934103	0.709447621273153	0.67528458456971	0.196450924190902	1.12875584968794
2919494322	2.07012284973226	2.08362072972791	2.21643368597142	1.95654368345759	2.0817984517212	1.76252069062513
1875733054	3.03588253414845	2.90963856965292	2.82961453695667	2.89698128951437	3.27208111635225	3.42893185408933
9844889167	2.81222022874155	2.76104068683134	2.78226643376182	2.68996679298292	2.54878605847619	2.36506561518418
4379129507	2.24886588324467	1.9597120779026	0.893223463179785	2.30281657959039	1.48494244393243	2.00505681342931
3308862403	3.39482086266342	4.58043123920277	3.56714985549026	3.58465824102582	4.09075193344793	4.08404343188094
0183685963	2.50883309958621	3.30096975902056	3.17955907986241	2.65322244722318	3.62434845298672	3.01170611887738
1916530941	0.188951916235332	0.489637689417581	-0.165246850012364	0.640623214027881	0.0407293422960832	0.0239652096427601
9698909861	1.83238440476868	1.74947635665021	1.63552570943142	3.97643468064997	3.92980710684583	2.06929581474168
7301162675	3.56721045512556	3.46249812853795	3.79610575512679	3.43784720607948	3.76776067540476	3.42256081215407

SM1677021_Treat	GSE68607_GSM1677022_Treat	GSE68607_GSM1677023_Treat	GSE68607_GSM1677024_Treat	GSE68607_GSM1677025_Treat	GSE68607_GSM1677026_Treat	GSE68607_GSM1677027_Treat
03361314605	1.72027215763931	2.39613764329324	2.00794757617826	2.18147510639739	1.8076669095052	1.03679925766531
3902694383	3.30028545972578	3.72654605317467	3.81250971976535	3.77306495205679	4.06192175811157	4.22184631011802
2917332516	2.33655362699149	1.55844021638611	2.78417188695783	2.90768076132226	2.89883921712947	3.7459534103892
6338369531	3.76549212812516	3.65670837865157	3.74358100153603	3.56267706804149	3.63525674424404	3.62750392090707
0928599132	2.87271419991943	2.86261973052121	1.35976938612769	2.95999489588433	2.67307415150071	2.20836559795499
64560762525	0.620253915498537	-0.776058642468545	2.5348580733651	-1.25427544123123	1.15603447279043	1.70336653830615
0192664656	2.18857804221842	2.12032954653909	2.11019318733149	1.86178798695071	1.76937448753432	1.78330929883746
1625564753	2.22766605462466	2.85596732291033	2.48929241217358	2.91730917728741	2.99654879928434	3.10583389544601
3333241437	1.91991355231623	1.23997202407554	1.61107888856156	1.37047366805119	1.74292911048932	1.71770353533404
6343506515	2.41822646615964	1.94610245755865	2.73943822714809	2.33659589456094	2.50685767616852	1.97622607661165
1359100688	2.57540033561822	2.37903378593624	2.99666301585241	2.92090632336278	2.96578832993147	3.31262866326046
4456448786	2.41000263423746	2.0471977345889	1.90982020236897	3.02562423817156	2.97984538056626	3.54706666973817
4152557243	3.42447902662447	3.40736208567293	3.28124695767393	3.36204333610221	3.30683318506131	3.30427145538887
40555188081	2.61985611003544	1.19569553713831	1.85611983989741	2.16271577981812	1.66912617478032	1.49783568445832
1514870294	0.96209917499905	0.836228959960763	0.663972246083477	0.752671519288152	1.20833412173633	1.5711130865677
5359696785	1.06519277277589	1.04646917226187	1.39736107262447	1.06617956794069	1.30020160600888	0.798678447792487
4872760744	2.06455149750088	2.21785970708233	1.29320488570189	1.91765110708864	2.25540032050587	1.97267719429691
1444359038	2.90459185019869	2.33494698767517	1.63965956334906	2.08022016029799	1.91790367651312	2.78475429928531
2144524032	2.78163794266048	3.01034804926795	2.76007072076602	2.58481394838106	2.70067303989958	2.50473177898989
8977331739	2.38986324686732	2.27015386398923	2.69352549724868	3.06880545633132	3.2176117564942	2.6652805872942
0565900823	2.8788536589282	1.60685695140641	3.61878120527747	2.80576432058751	3.61172471607499	3.33062946732075
2172215983	3.29853390284886	3.30495614188113	3.91445446300156	3.89632576558167	3.81136314177727	3.9827295692838
5054759111	3.9096983128982	3.73524707706039	3.47333113286677	2.99300290404425	3.11937274491972	3.14851581286364
1999658033	2.77484854275463	3.38257279761278	2.14004418897041	3.39694828010733	2.74292281558599	3.664315769322
8497991807	4.36362470360453	4.78999976747838	1.25196612469087	4.22205811788429	4.2031299452602	4.44024016396644
7988215128	2.96062168324369	2.8707829596813	2.80701457402365	1.61134754686965	0.625259967090367	2.02730634692103
9580770984	3.09202516733562	3.22917224776177	3.23185846567433	3.17181500390486	2.93259078066463	3.28018419572729
5964358219	2.72971333766595	3.06885086092082	2.5731798587393	1.7838893177223	2.59842255177831	2.69906946724651

SM1677021_Treat	GSE68607_GSM1677022_Treat	GSE68607_GSM1677023_Treat	GSE68607_GSM1677024_Treat	GSE68607_GSM1677025_Treat	GSE68607_GSM1677026_Treat	GSE68607_GSM1677027_Treat
4604739913	0.67600066314933	0.679498653741981	1.71460206384388	0.958570743068999	2.59021134308774	2.91925702111796
0166454387	3.29434660053079	3.16498337435668	3.04999739696823	2.22565802287258	3.29774792744206	3.18955729570242
3606979646	3.90473537221286	4.024813751887	3.91334585888212	3.9469013934475	3.70831054586789	3.79429021038912
9934183419	1.84260960246006	3.47280511058246	3.22871700964184	2.53751259817341	2.89432106552142	1.8220828732535
1476236202	3.9063503821641	3.64944593216291	2.92029912433906	3.9600959529346	3.91975721239337	4.01185611894395
783768140106	-0.719467538369129	0.0489927858144902	0.0295423358801234	0.346133424542198	-0.163722076264097	-0.478937902976602
2196895698	0.937273710398162	0.993476363616342	1.02217630409503	0.656585450133163	1.26956915114596	1.01863385602629
60075746361	2.53723282699596	0.238623522440834	0.681770938089224	-0.650021505409251	0.583748235789597	1.33738789207932
2745467949	2.9592015522908	1.97161944739352	1.78326177352779	2.34858634480822	3.12267357073841	2.28641199972891
3366183872	3.96388239497502	4.0036478929139	4.04351813311762	4.63242185163777	4.24977316620894	4.32454385546713
7156153459	1.43042559455094	0.713073130370896	0.981089000268261	1.05574326364282	0.805750503480632	1.34760990214117
2928779921	2.31626745077522	2.09688997163024	2.45406966788294	2.89155000923548	3.09286466551631	2.76601779061106
5599092348	3.5214369303353	3.49152282871396	3.60515858812868	3.59568073752438	3.62754187408035	3.22906479289905
79088611003	0.231518411346351	0.53959060989292	1.23879077718535	0.459443373363893	1.20158269364922	1.24252362653179
6063409865	2.9117043665891	2.85522034876394	2.83662290719961	2.6068940719004	2.78762338308031	2.69069817858722
23798223502	2.56896318701618	-1.42440632957167	2.66411129186404	2.46084594305396	2.12144092404975	2.63089734380311
2835956753	3.12958329194774	2.94431553843776	2.60893644661098	3.07102754908636	2.4938929344399	3.21797700342986
01968480196	3.1795804392643	2.81245946960868	2.63116249740556	2.84150186529679	2.6745767687222	3.19802323662448
4703665986	3.63164597552088	3.46918589019549	3.56202449049313	3.73687751498602	3.48662398014716	3.30736932520757
3126273344	1.58315700300213	3.02476253188365	3.10216702635986	1.65832977863261	3.1744678177643	3.14154711696886
1374479977	1.01820387885357	0.989677424806777	1.36394688052448	1.16252755956739	3.61695743185381	3.56833783172218
5491554755	3.03586816894903	3.12926119715439	3.01004559498258	3.04449822206418	3.18051093806375	3.04609730468191
4630150139	2.2346487858841	2.49278713380025	2.42894734869845	2.53991750378683	3.50610151194132	2.55746884495989
1381408996	2.38920122242702	3.07914586109166	2.68336055850857	2.79023880931162	3.57481653942894	3.11300192132582
3513524699	1.55962549331867	2.22065980133455	1.32310944434219	2.19052995610374	0.0735530514890563	1.43453397130718
0614780671	2.75962373671521	2.33985517934632	2.37165314204975	2.65666796395347	2.58960899117625	3.26991186309112
7726221957	1.63996099206834	2.76046520728536	3.42626666350494	2.69759990798252	3.22365825401188	2.44740775558486
4562850661	1.79156583764792	0.930603381823674	2.15634944239709	0.334087060670573	-0.420009803370641	0.731774571537487

SM1677021_Treat	GSE68607_GSM1677022_Treat	GSE68607_GSM1677023_Treat	GSE68607_GSM1677024_Treat	GSE68607_GSM1677025_Treat	GSE68607_GSM1677026_Treat	GSE68607_GSM1677027_Treat
1383962217	2.533798247898	3.11040227384989	2.36220941132267	2.54387672607118	2.5136550210405	2.92655988944927
986872267	3.62981210013294	3.89249642166627	4.27860815679477	4.16774515874824	4.23755418343411	4.19424188607159
7274330925	2.65250172449543	2.84461010693646	2.58727101558181	2.54570812095609	3.17234767955422	2.93876633747615
4358880018	1.51949762929328	1.82021201785766	0.695551716553619	1.04142848724297	2.11440240659505	0.550325082209672
3615979639	1.77405378714784	1.62045512444164	2.85442768617286	1.60080541579339	2.89181639221979	2.96890608159063
1609888921	2.5662106966926	1.89530613482468	2.73764632884519	2.54721631948871	2.67712371035204	2.72263547224498
0545436722	3.66849374243341	3.10178595327779	2.90845575728668	3.03313647245638	3.00523975887446	3.90864144143984
4520131478	4.43051888446866	4.36894814923997	4.09329608998762	4.36675520111127	4.07649114765773	4.37450499975818
3759994706	1.04686791067001	0.698649472262463	-0.0397486792127583	-0.199949724771785	-0.404824491998989	-0.0730357612546891
3346436769	3.43035107981579	2.57993738823258	3.53587729647744	3.19766644030047	3.33786048302811	3.01016219156455
390609111	3.3795900900871	3.82234219188904	3.36195681541209	3.39711670777036	3.53773470482276	3.56008102254715
8382378384	2.97089333614408	3.00626902800103	3.07975294618825	2.88817146487754	2.77694338196106	2.81594557575592
4471788784	2.51571505123561	3.51970582631315	2.7273404283077	2.22821721540242	3.09455196179955	2.95369077412697
4964116006	1.06016534253894	0.0307466156430718	0.605530310852066	0.546651662405223	1.73873652105911	0.287871281320565
6454420916	3.124780560051	2.96645431827598	3.29076698402876	3.02420966259934	3.46100606912206	2.95755730489405
9231530798	1.32762601100093	1.33014717716793	1.74076809441588	2.46863124850258	1.7319207642956	1.6860806922634
8005030551	1.46616012812529	2.49149859078454	1.58528500507392	2.42469275320652	1.67608009961402	1.67877258920078
8959259705	0.692746349310209	2.04972452240641	1.33157951210306	1.82853825670226	1.12675209094728	2.03548644532149
4199192247	2.46668214863738	1.76041896921724	1.72066505049326	1.78869562040244	1.87582105874621	3.05860413092958
36930562736	1.12989121127706	0.982764469739404	0.64185676055874	1.12246379145926	0.578475804996257	-0.362353442287988
9028002225	2.21276231615809	2.10141210193186	2.48080930138072	2.58141984523588	1.4546063053584	2.26947490498142
5863192178	2.69489912105092	2.19164175990624	3.04620687157138	3.0523025775997	3.09088041453057	2.95602511189869
7229536204	1.40841707174554	1.90827395211321	1.96432232055976	1.20421701296785	2.00976160119336	2.56624232426868
9702501827	4.01240401635763	4.8067263715181	3.57848280720402	4.37293893129007	4.39824092177749	4.26750123900218
5339120245	2.97627662386893	2.7945029408639	2.78010414902047	2.89137302783008	2.7939694454083	2.63130685790304
5974074655	0.928139574701373	3.561753002093	2.25163341749912	1.48084063069588	3.82842391509311	1.95264378777424
5788335852	2.93999010225055	3.03570225796675	2.9380801944508	2.84559183433424	2.84750456067742	2.8534532049716
7203357335	2.64466382247462	2.67129559271711	2.13954130913923	2.64572621823989	2.64191694583882	3.01479927220723

SM1677021_Treat	GSE68607_GSM1677022_Treat	GSE68607_GSM1677023_Treat	GSE68607_GSM1677024_Treat	GSE68607_GSM1677025_Treat	GSE68607_GSM1677026_Treat	GSE68607_GSM1677027_Treat
6368238022	4.73550600401945	4.59760390201012	4.54698575424242	4.7045068944295	4.5679851208291	4.65467754161892
4245559893	3.21901285573645	3.4543864778345	3.85752679606071	3.82329053372938	4.10192834250451	3.69094636834038
963964316	2.75772909151603	2.42627250247107	1.59441935599299	2.27509660752444	2.29899958927416	3.36264710754819
2129563257	0.984649565731372	1.11835034827875	2.14825484231692	1.47259225300965	1.63303363703023	1.35469653148199
4249720273	1.64766724371232	1.77753689814637	2.055503164892	1.53003216397928	2.23764633629603	1.9453436665752
5195574404	0.810841619070799	1.53688858620051	1.47389240017526	1.10034462169437	0.439317513048868	1.07128553958939
0636988246	1.93875503277426	3.57155918220425	1.45326762403884	2.03383251006036	2.55784470083557	3.43316826193746
5584617188	2.62177306671087	2.59110826957895	3.23370831674646	2.5291123199258	2.87873442826862	2.77495119838835
0689414689	3.05238801587948	2.91047532529743	3.29581953610244	3.73973211922947	3.27712942956599	3.58588174544783
5298122644	1.03067236033622	2.41581044422839	2.01950554766285	1.94391126561623	2.65082809064669	3.0059132717991
0836448971	2.20528001104419	1.85616570811996	2.28421873230518	2.61999028676699	3.00509814162285	2.52619089995726
3997192124	1.30014082123897	0.575568233545363	1.68101538956556	0.82318017108506	1.23681079582032	1.41721316703182
2559556139	2.74380966534565	2.65745945048697	2.92143648739923	2.86880487142242	2.82223208225047	2.77473239257781
9256763435	1.56713791331621	1.49180433721243	2.09393809365972	1.99576799764567	2.11909715627409	2.62463936054758
8347238284	1.25702345132215	2.08934628275699	1.34859231033454	0.953240667341733	0.160940271451614	1.25256980795476
3714521574	1.85862457202896	1.63121833921502	1.16837782011347	1.91314779421452	1.7564121496054	2.10154737296195
5498110567	2.43657423401926	1.46408935603833	2.44742696310708	2.35450205526102	1.93299708980647	2.33695774255368
6277863485	2.74438802284163	1.20421782243113	2.09528328814164	2.22778214519688	2.33837929561046	1.41111933519034
2491225291	2.05811743941976	2.33738489723836	2.57748770586537	2.82513153235242	1.73257160687279	1.43272622287515
5779003261	2.47772092896673	3.48456940193537	2.16615232384861	2.0452719633037	2.62541744457083	2.74659383429551
5237150204	2.26999533738192	1.76588756928835	2.24371191318379	2.69681513558934	2.79653013997164	2.15836168226144
7342006001	2.16980395794869	2.35012328292348	1.67286852453725	2.73317172498286	2.64724516668148	2.96801669137966
78142631382	1.90883343566876	0.33666176063475	0.24621639760806	1.24935148209691	0.465185155589609	-0.58339090614252
90629306059	0.916085932534195	2.0844925417829	0.569131948221623	0.872552405765664	1.02058540108819	0.991506916123487
7833953242	2.82728116505609	2.63977635838153	2.67464711724951	2.5689470071094	2.36352144496792	2.23698862953794
5617751784	2.31394993313443	2.26811965784275	2.27845817065044	2.06773818375311	1.91582342481754	1.92973808632844
5636135001	2.00714671526341	1.94177335700286	2.09736574200181	2.12628972838441	1.74157681409879	2.01423458820038
0830582772	2.93189870231211	2.882626966364	2.96622235525532	2.97448260876344	2.79314597395461	2.72115504438811

SM1677021_Treat	GSE68607_GSM1677022_Treat	GSE68607_GSM1677023_Treat	GSE68607_GSM1677024_Treat	GSE68607_GSM1677025_Treat	GSE68607_GSM1677026_Treat	GSE68607_GSM1677027_Treat
3297226967	3.59980275743551	3.92187343275636	3.84660357851833	4.11708488158356	3.94109147490741	4.23374653895187
80880718092	0.397974858298685	1.00001744746652	1.12919190229524	1.03444414892475	-0.325350735089548	0.896458222831281
5007987254	3.26059671632269	3.47056295949213	3.66724152914492	4.09155199099128	3.9293059844266	4.07176937680868
4454860669	1.40630062167326	1.61411740632636	1.39589117877856	1.83911095426718	2.4161235015218	3.02840456868754
4705428937	2.91699122602073	3.45932826405668	2.40693225830706	3.06363576004711	3.10116524858077	3.61170276134497
8086334475	3.8153726359811	3.25241792637152	3.34762271184025	3.42511700041834	3.47076304315	3.17706669954352
0903864432	1.59045478909443	1.56258269872285	0.43479306636837	1.48603133412877	0.365728501604181	0.683568084186717
8622934935	2.74210800098726	2.90531208656726	3.43282646662715	3.31803105907054	3.46424264852759	3.47783153541112
9563602446	1.1069555567628	0.38667535706739	1.14981904105934	0.564471745341294	1.18585568061874	1.75756781532261
18533304622	1.5572058677866	2.99260690228144	2.95346314891863	0.775033399508231	2.62279455899366	2.10334326400051
7764545028	3.95764573292184	3.89393253605199	3.63611506258274	3.73947918852862	3.57394818791553	3.5225758624391
7688397374	3.9473314149814	4.03338267247344	4.43599018440263	4.11081934367262	4.48901790367887	4.24205130454939
4447608831	3.29266439227649	3.2873664811531	2.81705713587596	2.86912722319418	2.55576201169708	2.60531108713266
1646163037	2.63897564401732	2.8061054968075	2.42525473634779	2.44963767025784	2.6998308941402	2.9859080250281
1342147183	1.31474732820249	1.31822606324714	1.10471267788781	1.15051876541082	1.17447867833564	1.0866170892915
4378376932	2.74486352834014	2.81790695720363	2.25526957608677	2.75305813248426	3.2507399530747	3.17511015598434
3755310869	1.62583715516264	1.68190995406496	1.41186258750599	1.45959412041983	1.06940496251169	1.45058491823301
9860006039	4.29036029411517	4.13725292983153	4.83266374990316	4.45908409856603	4.14542447359367	4.38587355812228
8343579934	2.27321865530195	2.55475913991136	2.7205355514855	2.07008904683006	2.60352803151932	2.19234368165204
2276928458	2.12178334605766	3.24226384787948	3.73860898316566	3.42269107834548	3.86278343987291	3.4917938194405
4901950553	1.64214829200167	1.4005055732648	1.49696376660508	1.35016460101008	1.24088747944177	0.953243838823376
0111287436	3.00436303965286	3.19073952000795	3.10860825736278	3.16280637979041	2.76742595830817	2.90977874864338
49351531336	-0.162209523149921	1.60883939926109	-1.01076251052061	1.17220953494665	1.11016844066184	0.813487223387336
5945469387	2.58744201929128	2.20874381476903	2.51089858672615	2.71849578831928	2.76870257916511	2.37787841679083
9107538092	2.94679482662506	2.88619271147793	1.65611535644256	2.17569838799658	3.00378817889169	2.91937674343649
0949384818	3.79672195587179	3.66613841128589	3.58459072851394	3.65638028859744	3.4758021908117	3.58184183473641
5484654148	2.24030782349042	3.77155564753858	3.71357312130762	3.25228525381544	3.54748470127291	3.63526255758187
2016039202	2.10554417802387	2.01850603492138	1.74656943927901	2.56795920199327	2.42419110798445	3.80802277330355

SM1677021_Treat	GSE68607_GSM1677022_Treat	GSE68607_GSM1677023_Treat	GSE68607_GSM1677024_Treat	GSE68607_GSM1677025_Treat	GSE68607_GSM1677026_Treat	GSE68607_GSM1677027_Treat
6229528174	2.71386328003134	2.57064301254449	3.16927580468442	3.07711472538172	3.15488540599086	2.70223103047751
8621674949	0.104326607525172	1.7560065630557	0.690215777043811	2.07369228048173	1.21974162371617	1.70994074082373
3207185268	1.61340804406891	1.35437141946626	1.5315332871292	1.67595913011301	1.76785033853682	1.60874546890019
2401212477	2.50454223620615	2.79730063462679	2.8940014582134	2.81801137137091	2.90056977045737	2.34958451431228
1360002647	3.68943832510001	3.67908793430646	4.5019307414401	4.18412334914852	4.49295388424375	4.07302308201143
6872576652	2.30210203797355	2.04041761467819	1.52139856962426	2.05767020180868	2.06410013626087	1.64679599877247
2065397698	0.235862229125249	0.469198916732295	0.0952912937771264	0.26531893662949	1.73471356190048	2.16563815511431
4345516545	4.06169340243734	4.75129270083947	2.98068798963438	3.98594877092274	3.54928951892609	4.63355949527152
52194745416	1.05598680040335	2.80273211126768	3.09928692315282	2.91901801695422	2.96330064647012	1.5562953013467
5646301102	2.71118941280025	2.53633574534001	-0.314355054159166	2.07799700908978	0.435243974499728	-0.301206838460874
5003532043	3.1002140857311	3.05637680422712	2.94772311929533	2.5547745280341	3.233509839484	3.34137222301574
3325318353	3.72321193541742	3.77536106813146	3.51130618748208	3.39509914172995	3.50380786899891	3.83977306735129
2108702681	3.47470109477912	3.15582132561189	2.88871033440314	2.87189075897511	2.89788966407029	2.9267761434165
7000364314	2.74333418176224	2.29830557453299	4.2695144075678	3.97888448598651	4.17549882747834	4.35376836932817
7650510528	1.28453207011654	-1.54425212455817	-1.24471343327325	-1.66119203567882	1.32755954836933	1.68846393148514
5768471959	1.96559773442382	1.96887704318546	2.29940736754228	2.00098770300937	1.64188964572603	1.86915727307878
7726134255	3.9935229469141	3.73055742155758	3.53714174967099	3.53622087393384	3.02332708106742	3.58866152278115
7556677309	4.0099590197287	4.14486555321158	3.96521127930762	3.18016292680174	3.23103115393156	4.5110907504736
1425815037	1.16792341907981	0.297360409586762	2.15147287738121	1.00859865194779	2.27809626120278	1.97041274290952
2598634176	2.18611661929977	2.41108952359481	2.0172157035872	1.34530135743985	2.44745815233309	2.36468482284405
8402263936	3.10332969445416	3.32259889866477	3.90927551997577	3.56644847843962	3.80412999634519	3.60908920754167
1394465853	3.77728143512384	3.77609506621027	4.02350471869552	4.53335829642553	3.87968622541981	4.06012543220435
2393321041	2.33957044871372	2.12924492765737	1.97908911709931	2.53003603298207	1.79050715030762	1.70038936345061
9686435718	3.30122638867378	3.88572414602606	3.24741480141399	3.65686233337988	3.79887201593728	3.5275518339483
3860209079	1.74107855051865	1.31871734193086	3.01147900826741	3.01027227344639	2.77431098653962	3.47492815278984
4059865295	2.90262316145381	3.05364919879077	3.14105092806235	3.7721217154427	3.01296071132777	3.4306389745342
9224821112	3.38290316856131	3.51271055466401	4.19166531393386	3.49160521220386	4.38691000833756	4.59536416246194
7376368766	0.850860438524827	2.10006083486507	2.86270085109787	1.78023416684578	2.40458546931288	2.49305691094081

SM1677021_Treat	GSE68607_GSM1677022_Treat	GSE68607_GSM1677023_Treat	GSE68607_GSM1677024_Treat	GSE68607_GSM1677025_Treat	GSE68607_GSM1677026_Treat	GSE68607_GSM1677027_Treat
05094605322	0.423856052703383	0.886168050662107	-1.22407024292135	-1.29824978159689	-0.122783016631003	0.70322490788402
6894270214	1.84136327353266	2.35558594620468	2.16001557744793	1.97081081289721	1.96439290345742	1.82284765847084
7363298416	2.84132526551979	2.89256982537584	2.67817731798147	2.78925252147188	2.3042323618412	2.47632810370754
08046644443	1.30569311015489	0.662117761534457	0.84700369876353	0.616290743847836	0.230170204591726	0.692776827431509
5924867666	1.04634294770675	2.32219744979661	2.40665835287917	0.829585966397928	1.30704961016204	1.21981405003355
2118060642	1.30600437635253	0.624773206302938	1.68721653057038	0.263629242549203	2.05304499293733	1.41723501498622
4907217848	2.16391640717962	2.50730471763508	2.7066692227268	2.54380567204551	2.3865690076447	2.42240514024788
2607245905	3.29792525067747	3.18113459859495	3.11508522815399	3.04517967720247	2.94090984993682	3.02029479930326
2874476864	2.63927754986904	2.49420079209635	1.94974904484502	1.77145763367906	2.33245003562721	1.41335149404367
1007839882	2.38053684393884	2.36388214171357	2.3724610591642	2.34499565121858	2.13443722495961	2.06333220190606
3705638437	3.51544292691757	2.31572020998311	4.14391577005509	3.59532912697308	3.96950331962348	4.0505920162585
06416972369	1.78496590401731	2.47560785260349	2.72149665948659	2.89349967030443	3.16774643917391	3.15199422285033
4448983631	2.37002613923822	3.62818565558204	2.44843965829896	3.41728089005025	3.67105649866466	3.72629003103495
0051175732	2.31004437458992	2.5878139519286	2.50447491053124	2.30848105923874	1.88914957135783	2.26370303759563
2021460736	3.42472698873663	2.99535613993175	3.0995331538072	3.00932187727255	3.09040463438578	2.80701085600318
37483293661	0.970035322718517	1.51617521684895	0.882340292234013	1.22207017984458	0.902478663764832	0.837263132547304
8917488647	3.58897890160489	3.9393849445697	3.24568718485169	3.69943706078355	3.86783574345496	3.29196542856855
7065104569	0.817921832442293	0.742850111068595	1.5206126881423	1.6257794857339	0.548444825684109	2.15503809054088
7815124073	3.71559672554442	3.67974160043959	3.66646431159968	3.49981235835349	3.8010904196506	4.22777640906453
5333574643	2.93580813828992	2.92115668716805	3.1899563282795	2.68376181315179	2.3448002673979	2.34676845418389
3503723807	1.6355429979615	1.84166400706766	1.48716163040596	1.48322060336129	1.83134239989417	2.14186861545532
1449938482	4.6581018875996	4.33665248127242	4.5945912329854	4.98622653456595	4.6961998178854	5.15537858298596
2867684221	2.97268048079623	2.70937035654209	2.87302040138499	3.33088189726188	2.57352282615317	3.42410016313643
2590878138	2.32572503668156	2.83345436303578	2.92982867269158	2.83238211831445	3.08364225151996	2.84905760715089
8140056584	1.53071255419255	2.30019146838385	1.85911457357094	2.53551274554058	2.15815276979184	2.66995780981105
5109242768	2.18994462905016	2.16190979049728	1.42618959902857	1.93982387083323	1.34400929206667	1.65608012002615
7922911318	3.45428810492916	2.70589020169653	2.30501797563493	3.48338463984976	3.82248673607652	4.18857926828027
9909910675	1.4989604832113	1.36385749723945	2.17870225684265	1.92768466791216	1.6878049797309	2.19977527598117

SM1677021_Treat	GSE68607_GSM1677022_Treat	GSE68607_GSM1677023_Treat	GSE68607_GSM1677024_Treat	GSE68607_GSM1677025_Treat	GSE68607_GSM1677026_Treat	GSE68607_GSM1677027_Treat
8338916755	1.69958737955749	2.53230949081516	2.08750096952343	2.27819457379657	2.17142000152758	1.71114593294268
55432909963	1.05236231125169	-0.0784994144998021	0.197715062743478	0.508604480323052	-0.135103076852655	0.380050485077888
3072730161	3.00553289303617	3.04485913196146	1.82277577823556	3.37339769432102	2.96418358035603	3.35270904182428
4275823116	1.89080661915935	2.40852818316303	2.16325374370849	2.23414026889573	2.66497248526824	3.19199168019915
0436214229	1.7336160678006	2.86408167205108	2.45624040936539	2.87857719075358	3.4678698948513	3.34840402534748
9559180751	2.92171601571144	3.03742169159741	2.88684780657056	2.67114225464864	2.66145246044188	2.60962070994888
7175320902	2.07416070476323	2.00168605873423	1.45918992674991	1.77461906148712	2.01019620634923	1.5952315845613
5858860148	2.23647840119885	2.4867307901088	2.86552043361271	2.60459714688582	2.70652505135739	1.99319113399029
8327302557	2.24564901159	1.15554693297666	0.71607062032611	-0.300862795918772	-0.287938448111747	0.684252982198613
2772389626	3.62263550493075	2.33455489734345	4.01381349765889	4.25524459023151	4.16541698205761	4.31112123036859
46930873225	1.42236107319565	1.41350525637443	1.50339298372393	1.59571621731633	1.63687945266955	1.51214877065702
0286497364	2.79341150287902	3.44192234397124	2.74079034973484	2.68279448504105	2.7263979003397	2.64298356905385
8754796204	4.51244888723794	4.85434605543425	3.66704570322359	4.42448897041637	4.2680192915212	4.60523286719243
8772499655	1.37034749895851	2.65625511003602	1.99804260841058	2.77470962925006	3.36253088089554	2.64155412933495
23928310129	0.882365484300939	0.681292751199428	1.12230924734305	0.6598328315491	3.01502283543229	0.392890091453912
9649481503	3.63485959332848	3.87975734424487	3.90275586713018	3.36081252048648	3.73277180949978	3.52287927833896
000288416	1.38527467417862	1.85621542344407	1.17237471924572	1.73197500027258	1.55613694271959	2.60077079614386
8135046095	2.46355993181604	2.27290927726248	2.36990041290582	2.89582595345556	3.24853906050063	2.784625778348
6285119848	3.04376040441129	3.34701318736773	3.45589456813947	3.21941769125511	3.8868458797886	2.38707316100454
5322665256	3.29192304838289	2.99566375469599	2.26741943370023	3.29681528331055	2.17982012377899	3.11739856776537
2474044978	0.781944759162717	1.720007323533	1.45912551417801	0.625535966262391	1.58020969033891	1.46648816264753
8225170358	-0.49063646024649	2.26335227046105	1.58169170680093	2.2228477084695	2.05955793344062	1.62418526373441
1688915129	3.47862189292325	3.07124633897831	3.50897512055956	3.48996103626836	3.28226539437602	3.17843217042683
7223983572	2.98844772111568	3.17124613259089	3.12867189489109	3.73687569993052	2.01930463288973	2.86700063133275
90104249213	1.07670587316751	1.63229452917706	2.12597247881908	2.49843270332558	2.40977514528506	2.32685103481885
9408886491	2.6685809261748	2.40339363015023	2.24762059357395	1.93123496313487	2.35437433370977	3.02874873382887
6951998896	2.72352528157118	2.63362324477798	2.02080864203244	1.52950083231416	3.24506719711566	1.5089508292982
247423726	3.0814570089025	2.64041287756055	3.32176355603646	3.20746306072946	3.43972894194826	3.60278826419209

SM1677021_Treat	GSE68607_GSM1677022_Treat	GSE68607_GSM1677023_Treat	GSE68607_GSM1677024_Treat	GSE68607_GSM1677025_Treat	GSE68607_GSM1677026_Treat	GSE68607_GSM1677027_Treat
5624043586	1.89514870586525	2.28695984842656	1.33807613582699	2.23246053466949	2.30473466333226	1.54885274140641
2063843242	2.64221020596913	1.23283729799309	2.47790268150643	1.18920172257957	1.32770986668461	1.05969624132969
6868627129	1.31425621907525	1.56648319024522	1.74247817044758	1.94756940531927	1.86019643679097	1.78219485552956
1426351637	3.60980819424509	2.96397412174924	3.6517909144874	3.89598974212971	3.93548953830065	4.05936464888209
1340278099	2.31922037613341	2.58578731336144	1.91671931375097	1.65344445564161	1.71369400240417	1.69968629124049
8279566229	2.66680433367732	2.57875434277891	1.94058031019272	2.85464366242831	2.92222033534223	3.44350547435203
6992459425	4.3591436516161	3.84629353818397	3.89996551672116	4.35121894718158	3.57163207369237	4.38849846964684
4843177524	3.54482539906624	3.9476712749732	3.54800970270241	3.45601405464239	3.88795427082595	3.42832983246256
6192739592	3.41200856958958	3.8732293355139	4.13320881885463	4.04541425619617	4.33786685952669	4.25229969514787
7217318905	3.14110236775692	3.27729141727656	3.19872103544715	3.12447711769348	3.02535069043703	2.95839749195871
8199854049	1.99823817724457	1.50469365740107	3.19404249320407	1.45838760592512	1.65231022815434	3.09117797729336
8256372883	1.74941313543171	2.87246901795027	1.08620063033213	1.6201041435923	1.9767402028136	1.91551648139332
1171433186	2.96418979080227	3.189468520092	3.04627090274377	3.230057672705	2.99155561310305	3.11977136517105
3368869281	0.383504108751187	1.06792341683457	0.397242670669596	0.371084117293286	0.233440403187954	0.966864408258547
9754919787	4.04784923164427	3.84997413167898	3.51245185146923	3.69084795917374	3.48931629955841	3.65715379179464
9165430911	2.78912297326982	3.20329078475263	3.82439302287477	3.19578903737177	3.70511705619596	3.34137506080835
9951391494	1.92694045267175	1.7716732049091	1.71756259120479	3.70178009674741	1.77123857849523	3.63625370853592
8542681219	1.74664379640069	2.8431298752256	3.75920525771002	3.1120544640498	4.10611115907831	2.90699551874575
2217678452	1.75150715006785	2.882318557369	2.75976640257864	1.68861282912827	2.95891691758205	3.30397641747623
2535617848	3.49649837554784	3.62658127520915	3.48981877591445	3.58944296506733	3.32745651271783	3.65989695598782
8862387428	3.58690639523057	4.30037638818803	3.23076268595207	3.73434426443254	3.78238809930107	4.11767714931085
3703368153	2.00936645579504	2.3749900774928	2.02108792287603	1.72192245655499	1.76953863017774	1.83544666511018
5170823001	2.97671393752373	2.8290685730323	2.92058950860031	2.14427745373643	2.96258290500869	2.47270202948475
7302343344	3.16277124465817	2.94078673324875	2.96359163377084	2.88587383407801	2.80348439104893	3.04189197779634
0950495464	2.6702167583069	2.84928059929914	2.79131428735463	1.44332651477125	0.490526908686129	2.63383107126111
4405639116	4.31242883389997	4.03331330609805	3.56681310745442	4.00768934781528	4.43539943846994	4.14470423947093
0794453438	2.14667178243368	1.55407104709392	2.6855978896823	1.83284536983743	2.33175546287993	2.62437938654274
8405273457	3.74016987405083	3.54751922784016	3.28071557135062	3.41880883217051	3.60924565242045	3.39279249700763

SM1677021_Treat	GSE68607_GSM1677022_Treat	GSE68607_GSM1677023_Treat	GSE68607_GSM1677024_Treat	GSE68607_GSM1677025_Treat	GSE68607_GSM1677026_Treat	GSE68607_GSM1677027_Treat
0001247188	2.76861963801152	2.63753215396107	2.56344496630495	2.67728052779517	2.24687159477035	3.53977337728921
7870119349	3.42143336450916	3.60279801673947	3.11597218795996	3.56115090562972	3.44686712366096	3.68679435305245
695643077	1.716409274304	1.73296526340407	1.75533317783564	2.22873947074464	2.57197009475125	1.41304937368254
35283177432	1.06692892964763	1.60307308191625	1.57730685424244	0.542016773343743	1.18391483325455	2.1032984919941
5654099722	2.85172201829716	3.374907201999	3.55569012548086	3.38475088547101	4.03720178470353	2.84069573986025
0528054156	1.72074007930871	1.38506266990968	1.49678868268321	1.44747617540179	1.19091141868084	1.21972391530694
3787132397	2.93171552706549	2.71716108249598	2.87892455305088	2.83303693495244	2.72556273516361	2.6923170089963
50636374545	1.44343504411244	1.35087458308148	1.86901887326854	1.33772674484291	1.40551711361315	0.775979939740504
7240748694	1.10826965220226	1.91729114490144	3.20483864879951	1.9398306306841	2.04447637746666	3.3289588607903
6388566546	1.32143045843139	2.15966207215034	2.52375258120471	1.7885833992733	2.2847709109194	2.36815414420221
7267400528	1.75567533367193	1.7999122720968	1.7628913024851	1.43476345438979	1.85293796040266	1.85185782457264
6150020665	2.1706326828879	2.07036201111204	1.24322128200383	1.56702192615388	1.69073058156628	1.12396375239384
6459591656	2.24851666388683	1.82886191946714	2.68633837841667	2.01733509343425	1.38301344284144	2.26455224714879
3931985816	2.35755857949611	2.2959890660168	2.63386570252505	2.29056854392956	1.76391360768925	1.77088116799592
2408997334	2.29990156568087	2.46221523293725	2.246055979045	2.38792378478586	2.63486852083212	2.00599434018895
8678396563	3.96359238063463	4.38410004835159	3.70759845336628	4.72833211061325	4.29030405848199	4.63720689635335
0618551011	1.23137983653501	1.86302544221158	0.688095223177368	0.807821862391179	1.7662031481779	1.40887474314772
0451651978	4.0121926825199	3.93808256620799	4.21913317412441	3.82998487436006	3.78160992806115	3.52496545234688
5109691317	2.37933058897722	2.63380374634581	2.76822240007045	2.77520471492088	2.61977969214284	2.55203746397394
2172510163	2.08233846500096	1.53616431472329	1.30004849015368	1.82794252837889	1.67521713960079	1.63036943791407
8137332877	3.28086809631845	3.62208552490271	3.16125544281671	2.94581450982148	3.07153802058212	3.35485424852513
6737289954	1.84631696341358	2.11451672844898	1.65654458392731	2.0355227441881	1.82453873167974	1.58390427847165
5161855492	2.9645516196524	2.71897570412351	2.75964584234572	2.78445143782978	2.43708267456269	2.76752523982566
1093432884	2.34969329616242	2.29558859863549	2.3533632074201	2.23248954521526	2.15943146329901	1.93298623436511
0670012438	2.13415013831312	2.0366728283446	1.35580953693102	1.8731323969432	2.13562168613954	1.71912300083272
28506180954	1.24016119224507	1.41314420125562	0.506953850788734	0.0804285272883716	0.377349895759776	-0.256277416060443
66069917994	0.988315835175362	1.06389921576161	0.803275349789028	0.537427681636981	0.670073375714431	0.634395826401979
8838177702	4.13835421550322	3.70508817256766	2.08814248834434	3.68120878370882	3.00279824332407	4.23301023681596

SM1677021_Treat	GSE68607_GSM1677022_Treat	GSE68607_GSM1677023_Treat	GSE68607_GSM1677024_Treat	GSE68607_GSM1677025_Treat	GSE68607_GSM1677026_Treat	GSE68607_GSM1677027_Treat
3053280723	1.30700273747024	1.40882535797953	-0.39776054225518	-0.143537901034162	0.376881878992829	2.09382624511478
2258426688	2.43158117066096	2.8771766811731	2.6484916260016	2.62684583917885	2.56199701745998	0.835755466599498
100976728	0.376285879234341	0.0178344853196162	0.370628366621228	1.68766963951007	2.02256210894215	0.0232055940834849
6697819777	2.95416657356591	2.91815118666236	2.71174474469429	2.64541247580239	2.5432132340145	2.72291231004386
3351883069	3.83029799986524	3.64318778027157	4.08843473797652	4.07647072008634	3.76365120791918	4.76081527046279
2719183815	4.97441750760246	5.98470701913624	4.1586338149297	5.15334300081147	4.91514355980953	5.27883926002164
0634849705	2.68141618337391	2.0483945204732	2.47299514517888	2.25210347123734	3.28672373475154	2.82052553938268
4596917699	1.73886348775297	2.14868053173738	1.51498650620437	1.3516771652947	1.88004228656985	1.77464837660049
57303694422	1.69105740444497	1.49755951182832	0.775674613410918	1.67233437449916	1.54978983407175	1.27258566697005
5911057694	3.13504564998791	3.48322077754207	3.06286122451277	3.11676010067597	3.41629320832003	3.19866894141693
5890994815	2.12225833299194	0.211095915747824	2.00427186009206	1.70046029084696	1.13369629372326	1.50240194094028
4588915687	3.22290072969482	3.40412337406685	3.44274354185248	3.73858864348995	3.16564810802639	3.289726531844
4348783208	2.76123485331193	2.85864021486444	2.79555807616898	2.52740973754729	3.19323929958425	2.61961584556216
2999738075	3.66381487780212	3.57932690823195	3.84059931803064	3.56605901490014	3.85860268569492	3.72126573792723
3818281131	2.45592260344257	2.12801961084349	2.34556107344115	3.0582392285685	3.47464783305244	3.4670728511489
2852827446	2.24825486945811	2.03177163264283	2.57041944570866	2.24825486945811	1.91390243639945	1.90240839330712
1625800528	1.89697286852242	1.99888117055485	2.73448466132181	1.87107113479876	1.77457151593634	1.39571638377665
4168416424	2.44701580837055	2.55013239688833	2.90995810380317	2.27305537477346	2.94497505604097	2.79951616293156
1013471952	3.3716291684851	3.38910573071983	3.45783254414869	3.48959740081121	3.01475850276912	3.36004625935986
8419855784	1.58987549428446	1.86168690415868	2.26742990220903	1.97622802515138	1.74913888077592	1.25245715757687
7098367995	3.2086119143156	3.1570934666149	3.13997061527828	3.16301800517126	2.8864676371771	3.02842659402591
7546288354	5.33053892827193	5.47834469642931	4.52233833089643	5.25496652037109	4.85828477865528	5.29312543688958
3218165318	3.21353963006643	2.8502197809729	2.40088246534737	2.43031011118249	2.10609061025485	2.97825339317261
1977916406	3.45043351380021	3.28323980438727	3.14490412666798	3.31491930491503	3.38293812191489	3.77365274880136
3451262534	0.3683128132616	0.445911696726686	0.900972709712693	0.523964153342064	1.3423877691065	1.20731882352679
2757761352	1.87355147199992	2.19382601382001	2.54365489474898	1.95426121508174	1.49903094709183	0.528209300834058
0608624761	2.88894948905361	2.76836869459959	2.68953193027334	2.79040972978683	2.84188491863201	2.63081857626229
8446076489	2.29195543273348	1.3862150930428	2.15553269589785	2.93288275223851	2.14155401498625	2.28384082793972

SM1677021_Treat	GSE68607_GSM1677022_Treat	GSE68607_GSM1677023_Treat	GSE68607_GSM1677024_Treat	GSE68607_GSM1677025_Treat	GSE68607_GSM1677026_Treat	GSE68607_GSM1677027_Treat
7296778466	2.34841670734723	0.95424170407115	3.13272718333952	0.957669913793681	-0.251007814068825	1.88845851360059
79902031192	0.563138561374097	1.96332795520769	0.50729843757432	0.88066064374221	1.725684241534	0.122244562229929
7595163524	3.37424269251382	3.67746949281751	4.56656408007576	4.46002324536886	4.63722791934764	4.5830630883526
3084974131	2.58799753864188	2.80381104394659	2.73908627655508	2.5346803312704	3.14289627471089	2.69544952236165
2172961693	2.9666640343453	2.91645411539899	2.82545258497218	2.97841945012726	2.84624399547802	2.51960395275819
9738559266	1.43356193461485	1.25960529249629	1.31631589578532	1.22171412258059	1.00221543909278	1.35196459049353
6893285212	4.05754731231023	4.38581973254033	4.02889308469397	4.33602344262421	4.21303094756905	4.34147316930853
7881251346	1.97881950858905	1.37363775618772	2.53184782035529	2.6494053521217	1.12603587110497	3.30325295368492
7405220276	2.76362644251382	1.89898996210874	2.00782168951051	2.78824803111669	2.86204471501879	3.02088127294976
4734039068	1.58026884427496	2.82977068417002	2.55329936417425	2.6388876661773	2.49367039324807	2.75407733169805
6229419105	1.43845074111599	0.980578630211456	1.57494166309484	1.50462103746487	1.50722257464077	0.972401922531198
2705789304	2.76431404970268	2.97927018792038	2.07967703294334	2.36108374558821	2.06287506477987	2.03447356863311
2015129471	3.43406037156112	3.89208856947818	3.278699534515	4.30511642924352	4.60370580156241	4.73510167319098
9046800046	2.75919667721314	3.44928174639563	3.07031891372705	2.79610463606082	2.86828821110448	3.10247168807723
2756144763	2.4951667045985	2.44228121983616	1.60291495323849	2.65212722390494	2.23597918335426	3.2800793399087
6060866383	1.33535208583994	3.28007643135786	2.60021258105716	3.23931369457966	3.39315716757702	3.56073469801196
3348760099	3.5027422186333	4.16497023211567	4.09217450854198	4.15890132801754	4.51601872992967	3.76832861852902
4934502379	3.65324120454134	3.60569853338742	3.43330336724011	3.3658184085378	3.29969534014615	3.37239304279479
1941908305	3.0208376843954	3.30743211959849	2.9320491638249	2.54704140639037	2.54722957091558	2.7265818138729
8554916715	0.604754258173027	3.21831678688058	0.486737452731303	2.67612516980894	1.00683876444263	2.65741335590925
8762866906	2.86354201805212	2.92029606499628	2.7376185186867	2.73687949117705	2.55498130922043	2.45756468258166
1039115495	1.74590297347906	2.62627342748972	2.39733632223064	1.73472094565975	1.91257070480665	2.13726200292466
9207360413	4.3067743249695	3.9821978371697	3.90643420746287	3.72594244864857	4.80302975086618	4.24787825353528
4145401153	4.24896812286334	4.44216369458773	3.98477840543461	3.97724464309413	4.10886389601321	4.06689934973379
2932500006	1.63415943766121	2.32490200601129	2.02722516137667	1.92385950422812	2.44425916900722	2.47905613003295
9282578044	4.43516442139489	4.48941732325695	4.44191814028581	4.2079742488193	4.47114794298033	4.45614459388295
3602433951	3.43392608135209	2.31613007626554	2.29198729822753	2.63417576232326	2.18494092955537	2.82749687160171
2158082418	1.94296651076385	1.60645844101538	1.38711134463973	1.59116419293936	1.26543801811653	1.30890249256271

SM1677021_Treat	GSE68607_GSM1677022_Treat	GSE68607_GSM1677023_Treat	GSE68607_GSM1677024_Treat	GSE68607_GSM1677025_Treat	GSE68607_GSM1677026_Treat	GSE68607_GSM1677027_Treat
2339285148	1.4978266048282	2.16984271900018	2.09715131630271	0.886320029458137	2.11353025756048	2.44730569254778
0021819082	4.90189238748122	5.23466768032295	4.66366561154756	5.21773803102656	5.12885618124159	5.17144366540342
3838127577	2.23329312501223	1.57064936551579	2.11035191495774	1.42581671358406	2.05958062589286	1.91848886902643
5977668331	2.92612600475099	2.32721878330637	3.0052929751691	2.39047384674033	2.78358606603117	2.29980122000605
95911997164	-0.504183829037956	2.36664177418492	1.46915555129645	0.583676688910207	-0.24478112480295	2.8585923228354
6570423919	2.84892965596134	2.76316457957997	3.07495663778573	2.72118900077992	3.22399009003376	3.22030820143548
7102617527	2.73130179394757	1.45521018061157	2.46790787485654	1.94109172144384	1.76109953541885	2.23918996404778
8713328036	2.9418600441013	2.85985197422546	2.81866654641279	2.76677720212032	2.58666392505635	2.44845345055658
9390083255	3.00339615299793	2.45690140498286	3.67597952582863	1.58777553313988	2.00033194760773	2.79298095233411
7238381341	2.02763490920623	1.96535784341861	2.81110342807348	2.6087420367753	2.60458299307521	1.99726204266717
38819765034	0.857202437389346	1.37005377955635	1.72235648871739	1.77957223737582	0.454072692615715	0.76753873701146
1589342256	0.827378897690832	2.11268461227115	2.39409337226872	1.02798946625537	2.15344061910785	0.575868548576443
6324416568	2.56752508248744	2.08917184096814	2.49765521872053	2.01869509984695	1.60745714762241	1.94254183464116
2765093508	2.77337343110131	2.8224202716871	1.50620334946276	1.73752430367481	2.17837964459373	0.872447848452822
0132583958	3.4378781983474	3.41632281557689	3.80813146763974	3.77515543043015	3.69662389435583	3.82252720866892
1391972793	3.47749353809914	3.70259995392979	4.14908112918942	3.92614588940126	4.27964666807969	3.93851672062269
4825254995	2.04817152350019	-0.0732351935507949	1.6208328655162	2.08665503508072	0.363202627678305	1.7998824815053
1563267293	3.3987611288801	3.57132291063035	3.32226030484536	3.50571944925086	3.25156359461582	3.0456594841343
2854516459	3.88002294923137	3.43402630781032	3.31374112401511	3.27685814795059	3.17035483588864	3.28211929588137
7386531019	3.05241146666637	3.19818098180765	2.66024566018582	2.89869791128204	3.17669867532023	3.10199710188871
8220343403	1.10814578936235	1.14701263120442	0.825332226013896	0.280655188462469	0.614325952856606	0.886665872221628
9642334487	4.27176696843037	4.86432141490714	5.25413670178988	5.05778260757761	5.08017974815232	5.35066186670646
4789901632	3.31225292531189	2.10875130232225	2.61270329838257	2.54002994997084	4.08080786028564	2.19578160401568
9756730829	3.13141150692686	3.37449233796349	3.26159242776737	3.08298721100531	2.96880820609422	3.05821150846447
7585475041	3.32348951293963	3.78954172893966	3.40779626994116	3.24288961750807	3.62257287985797	3.73095219151983
9013494394	2.59552011348652	2.74711400490576	2.84053495694201	2.57558240868656	2.85026693873799	2.56357738050808
6064268979	2.51683816598804	2.11372574854864	2.10380857227453	1.84742118145835	2.37849261254369	2.36701410426265
2582782425	1.67875766641415	1.98500688386265	2.4034639262022	1.59261178077355	2.126116468343	1.34653978528706

SM1677021_Treat	GSE68607_GSM1677022_Treat	GSE68607_GSM1677023_Treat	GSE68607_GSM1677024_Treat	GSE68607_GSM1677025_Treat	GSE68607_GSM1677026_Treat	GSE68607_GSM1677027_Treat
32906387748	1.53130767408356	-0.7392144424962	1.60086453127419	1.36051981570602	-0.951388459862481	1.45470991386798
4403291755	4.14577907740952	4.34601921162647	4.61491193988439	4.13709121828333	4.38975487271385	3.54193154564641
0512525576	4.12197912280431	4.05081827360319	3.85857391776678	4.06576677416188	3.7178326158668	3.6272663422535
21391774738	1.15639699525721	2.42460240353356	2.29680125165602	1.98331590203342	2.30840941736309	2.14439155662848
6995182681	2.77630220132417	0.844676947106185	1.70002680865869	0.551710225980867	-0.169661658964947	1.86554568952735
3451826671	1.04747782045508	1.94089975564007	1.65527070452861	2.89957949106258	2.68040742668555	3.05990729479564
4786592067	4.20908614854339	3.79612946931216	4.58157947024115	4.36253415023261	4.56979731659626	4.54476188030455
0530523209	3.53120217757559	3.68653281326847	3.13574994942339	3.33045432982264	3.00777249082354	3.2761709753733
7124334495	2.00644768224131	1.762273351414	2.06773733845265	2.32005048212638	1.84888491087174	2.25498562377712
2131290902	3.65555171401579	3.34706873429854	2.92787846279763	2.34835735970804	2.99678630316083	3.31010526336043
28488412365	1.78356840610085	0.159690922757391	2.17974679027245	1.68947063344673	1.3685374378746	0.519767621608695
2925997755	2.73862370882978	3.02361363906826	3.5834922263294	2.44823044197115	3.77605556533684	3.18778312140516
2626432327	3.39870765549821	3.55246726234467	3.5608288500174	2.3070181207205	3.44178774566146	3.43663698271853
4044663059	3.19717341641039	3.86481236288165	3.06050743594451	3.31533955759962	3.58574800446378	3.53699152733626
6966166143	0.960475365315609	3.79937307251144	1.85222855078618	3.29541681627105	3.19648799718187	2.95868052918703
7539352735	1.05516038835523	2.52673082259889	1.17729389199212	1.69158343843798	2.55828985662545	1.58303952985729
0031888843	3.11195405145393	1.44869750235339	1.5170286184714	2.11766272994167	1.80672549690878	2.75089816030051
9221517095	1.79730521204417	1.49153651521633	1.82285901480051	2.22502692452472	2.03153940178777	2.64729488980633
1639441398	1.64855394579177	2.17024544913087	1.71340624713494	2.06381614074052	1.96927148213928	1.79031684908745
9406330906	2.88687027901483	3.57027553050401	3.7286841371935	2.36145612306462	3.95018662072339	3.73756279706145
8985571174	0.873350947148936	2.74322075692217	1.2328816884292	2.85409491124629	2.31738906607866	2.25395062313656
7225223043	4.06274028363704	4.01983130656325	4.12431152694749	3.94699216231315	4.03031908503999	3.84133470116577
6982795792	3.81028533285522	4.11549215373477	3.60590671866365	3.78783021833876	4.00840895247657	3.88085980647453
06098852303	1.58944375010869	1.01930877213714	0.457899523417007	0.744574356924113	-0.0801413947467502	0.223052368847379
254879823	1.16917491904963	1.2184045983447	2.97587907756465	1.71339300282948	2.62439932583386	1.84330608629416
5379559062	2.82241907134963	2.8969361081798	2.91089531146653	2.9248112587548	2.85947125728021	2.87861851942917
4279060888	2.35480329408239	2.20562962748337	2.1800148581775	2.13466292650165	1.89480701384853	1.75361074831908
5475725729	1.71672877936913	1.4627590211481	1.75224075563138	1.9771085478266	1.4675599351034	1.48305355570224

SM1677021_Treat	GSE68607_GSM1677022_Treat	GSE68607_GSM1677023_Treat	GSE68607_GSM1677024_Treat	GSE68607_GSM1677025_Treat	GSE68607_GSM1677026_Treat	GSE68607_GSM1677027_Treat
8191626267	3.00462505783216	2.07985270567481	1.81946381066369	1.98196450266513	1.45495457961894	2.23010804379852
0473010049	2.44519846991596	2.68663208893795	2.39926714240916	2.28823578132752	2.30849656724341	2.34767399667977
9539493815	2.87274169511738	2.26482391951321	2.79778188758156	2.45038866015005	3.42502319998057	2.99031806913777
7422350412	1.74286660853364	2.82377695209063	2.1554011836679	2.19813513893115	2.0100482424583	1.75822050477897
7117697081	1.60937729943263	4.16258358847979	3.48025521003274	1.24738180272308	3.1859980077875	4.02426488542608
743623543	2.17765613502623	1.86119941481687	2.54947531444678	2.73935255400246	2.4122970720725	2.03911444670922
8193250431	3.14271786704416	2.69322915463799	2.72791109102425	2.6316408431513	2.61940041832926	2.47129355441772
8221006544	4.02629272656973	4.68496415184322	3.22796388779072	3.70472891050022	3.49149183012586	4.23548279003078
5144383348	1.5051833998353	1.31788853466391	1.62914151544035	1.70783265928643	0.979084219670319	0.934111329277155
4411519656	0.53104833816085	-1.11204118062632	1.38531578254037	1.95390947804969	0.460667656528079	1.64176394530756
0113348433	2.83940655063969	3.07599240040928	2.797474481257	2.60005949262922	2.95651694650538	3.11543865641705
0162236481	0.803251352633633	1.96462374915838	1.76387702207094	1.99867395911295	1.77276448208624	2.47131371894132
2982008339	1.07922165720789	1.18689667335118	1.8713030104006	2.17174145627588	1.53561759846667	1.45119314319129
47069538091	-0.0419818971841548	1.66443177390605	0.466540986091334	3.01383816733258	2.5535217304631	3.16148175319824
4269072717	3.75507572520617	3.4816324852264	3.40268827673087	2.98830202751501	3.11953390093126	3.20315193928775
4316089549	3.98807420099288	3.8634756032339	3.72895807898859	4.03812845007031	3.77141000287623	3.83167268444664
4987484517	3.57522009420229	3.89069077671113	3.52772286311115	4.44003480873884	3.85122219933246	4.06905492637988
6547636989	1.9219843370218	1.61762769151081	1.17385355049367	2.48740346796473	1.5308997723558	2.67310233842321
6042789578	2.13883886146049	1.72207221228266	2.00921438387396	1.94392393652774	1.60662904465355	1.90921628531427
7962322854	3.5846635328508	3.65526112068485	3.36631965122714	3.70725155799488	3.65139013236608	3.75044319175139
1225024097	1.28796058407187	1.3432013706703	1.64233471081809	1.13249319436123	0.85520035274295	1.36225262599854
9862261753	2.78457940492855	3.03438651634297	3.16685015764989	3.32175804872136	3.46847588788864	3.55005027766942
4693879566	3.83964127257775	3.84190319536117	3.3460061542764	3.48885319976149	3.38361494406415	3.48610252275746
6859950785	3.257449470967	3.39136847545523	2.93808484100725	2.78647457234151	2.56508964789991	2.8848103874364
4638744022	1.43299527069766	1.51996489342146	1.99356391975796	1.60119791422469	1.96770169931411	1.53594080783437
5536000062	1.21664610257591	1.66953224535693	1.61859050871362	1.21141149544374	1.58716744472169	1.45770920418057
6435339941	1.61840977347838	1.9896661373031	2.60857927289517	1.62293161188856	1.85020920107185	2.38519033671661
00413027199	2.04878512642878	0.465248959240066	0.722062623457186	1.54898107814275	0.477967045275354	1.41558375300773

SM1677021_Treat	GSE68607_GSM1677022_Treat	GSE68607_GSM1677023_Treat	GSE68607_GSM1677024_Treat	GSE68607_GSM1677025_Treat	GSE68607_GSM1677026_Treat	GSE68607_GSM1677027_Treat
12135316964	1.07878979809409	0.381450650268574	2.19096484281113	0.304676605550701	0.0980494180161715	0.507340232432169
1225341196	3.52557406863709	3.63932167342736	2.88612547125408	2.9140888490726	3.85958904564721	3.52261054186389
2243434977	1.16278700718875	2.30876220192341	2.21302854251324	1.34670961309928	1.71508898985059	2.93474859568923
6859006893	2.46128165817449	2.51867751682124	1.96394252663271	1.86167910095149	2.19818789033644	2.62715271919773
3768372245	4.07730332697059	4.08310803899916	3.61605744220232	3.67727045892872	3.49392740245873	3.40079490651915
6092756618	0.995914693657228	1.3301647322536	1.65688820296416	1.17630617968284	1.03251868097491	1.52777820228922
2723389497	2.86574372190603	3.04084600732838	2.45746977803596	2.60544788270327	2.40032220700875	2.81100505608038
5509877546	2.73573505560414	2.93395593884208	1.7643059136105	2.65768654492314	3.01289493955267	2.88013031575899
184413927	1.87014083875308	2.96979637664868	1.09580218482541	2.89738377831813	1.29588389009535	1.82237099005398
1272477578	1.95573226465807	2.32989895723626	2.20312720788886	1.47807034449536	3.01023928994722	2.93123300774633
1978928438	1.44741611596409	1.12031616794013	2.37989280468703	1.84796535294915	2.16312540879155	2.02857273930992
8482314932	1.11328286824457	2.87046142065292	2.38495045004615	1.54042381048668	3.11629970452402	3.42011162303992
59129583179	2.38664712035796	2.2925789992201	2.43865868693798	2.2312644935776	2.1501908137963	2.22765846814063
2320632521	2.82319980070423	2.67229594008108	3.11814389829553	3.28056207814043	3.62515112763648	2.54359469597148
9581452305	3.39993859446337	3.42235057034295	3.03492399047658	3.31650304543688	3.05143040817134	2.96849833983063
6779108413	1.95653504448166	2.15986007385204	2.5052651066001	3.81311525466509	1.95881992575991	4.01261770640646
5885082395	2.95422004201831	2.86929370320647	2.28137229133165	1.36877658418731	2.35335103706934	2.23707994983703
4137913321	2.97917307809814	1.44339586467952	2.06510660269937	2.24602759143258	2.63842578713545	2.96020886102652
8953320997	1.07572942679541	1.08207129212475	1.08909447600738	0.970518807372421	0.956324733475254	0.769703819081305
4849077989	2.99657781330456	3.05233217594919	2.8672339050188	2.86415317981446	3.07768355523905	3.03226085093064
1558887872	2.50418905896914	2.02760604318294	2.34408382729374	2.45578591551461	2.41405332989841	2.56379400045158
0805860639	3.86903121363019	3.45868765307263	3.61274136334358	3.40700787847768	4.19421387443073	3.91247049111458
3198519738	2.58111797510416	2.89801723888024	1.9446097349059	1.95227667991911	2.5984342093449	1.31984570909427
4078878383	2.78966014926347	3.43559000638264	0.595677584505157	2.39631485007962	1.93929241718987	3.32160609520016
3212360867	2.26625341378765	1.7852490366137	2.59990324537579	1.94896206619873	1.69481934846611	1.58690411557694
2842431481	2.01290705318148	1.84849750020304	1.75727485468057	1.53081287792746	1.60910144648785	1.32432688357664
0610385299	2.46470202479821	2.13371638183268	2.40296592010538	2.42178436244116	2.18850578277355	1.91598343863313
5088414027	2.71786099309036	2.60089011003979	3.07215437484844	1.96541204190916	1.95372609079882	3.05035676298134

SM1677021_Treat	GSE68607_GSM1677022_Treat	GSE68607_GSM1677023_Treat	GSE68607_GSM1677024_Treat	GSE68607_GSM1677025_Treat	GSE68607_GSM1677026_Treat	GSE68607_GSM1677027_Treat
2894353811	1.237582631843	1.35833135125111	3.18353692781375	1.6634819735284	3.2905773126446	3.46632253119102
9156998073	1.78574856676574	2.6521888094094	1.85710447993272	1.52977818344952	1.9633965475417	2.36377242437298
8521209716	2.90783433429008	3.47737575714564	2.24134480308006	2.10204977516817	2.87023769828957	3.50349898073994
1487990627	4.30040798507423	4.18816790320311	4.48030645450948	4.61497800861016	4.41429720662761	4.25141658791108
6533112468	3.51314432886269	3.55424554438047	3.42905444314097	3.24703599941055	3.30372764563328	3.22708381441499
2969390716	3.34541456722635	3.38249388941388	3.45520614009748	3.68591998216425	3.30082899589101	3.49356050870882
9556910046	1.79745511669141	3.05412436941291	2.52523758648404	3.06120254930137	3.05738293948012	2.11238230561321
3367404134	2.0749641338922	3.16959870324039	1.31961832796262	3.51951064025032	1.37345795891087	1.42032406719432
4720433453	3.56541119138611	3.87512410011648	3.06615511410187	3.31300957168107	3.57154449527643	3.69578052701249
4291345452	1.92628983578444	2.36624049542315	1.408325901033	1.41698962739943	1.27638990154862	1.46026081347677
8400928109	2.22797635488765	1.3949115232609	2.94786531488574	2.1234165903942	2.41453519209665	2.13964591146385
0050917119	1.42040834638925	1.07300727271748	-0.211691397954824	1.98669197350232	0.316654393569167	2.51442643756557
3067890642	2.45698710660724	2.11090062640706	1.65243690241619	2.69243794221233	1.65668979115895	2.52707448928789
7249314092	3.60781956341279	3.17928372239087	1.98724929798247	3.03671692852874	1.99160465232348	3.47859731483338
1073909708	0.984059879448461	1.93347057934193	1.44080648603896	2.09887074734379	1.50957093443072	2.92233230468624
8759148955	3.11278997399439	3.7301262095306	1.59976533514134	3.58031077035916	3.35488641905611	4.33735854450676
3907630686	2.88100442203681	2.75220177705915	2.57328047295844	2.70132374623766	0.668010541590705	3.19127985755689
3449598432	3.43120608611317	3.41307379021113	3.21716918656675	3.1666199259513	3.21086860802047	3.1159037374265
7134369224	1.46605374278433	1.84955031650939	1.58126699292036	2.15255546719144	1.45704041262425	2.26377303677225
4643560895	3.50861180494496	3.33517064118566	3.44377790115236	3.87023999348229	3.78641446439907	3.97830273805599
7934068059	0.31386452637213	2.41621113865341	2.92457330533148	0.684640538657652	3.46910051260834	3.33831327828226
34008265414	2.01185414881181	1.21109990767632	3.19035003570373	2.20061390911082	3.28621375578714	2.51490000425566
9370855775	1.69172088092572	1.22585614395619	1.41559325582568	2.0504343891599	1.82617217068654	1.85968666634697
8637560859	-0.683073949768553	-1.24824847098057	-0.240077778749957	-0.769174114234838	-1.12130684167331	0.469607094477988
7824130684	2.74575177272546	2.9603999473773	3.72043306994976	2.98007100657423	3.43721175726465	2.21878761153837
3852550392	2.68932349087424	2.38411228978481	2.20221508136209	2.77069694312792	1.18213738241969	3.02423167505127
7552818513	2.79700479185172	2.63204839354265	2.76149509176211	2.51616876912781	2.93799500689766	3.41834788891182
2781199267	2.93342581655484	2.83317796036153	2.9112851774795	2.89280800698737	3.21826124054225	3.09930821637802

SM1677021_Treat	GSE68607_GSM1677022_Treat	GSE68607_GSM1677023_Treat	GSE68607_GSM1677024_Treat	GSE68607_GSM1677025_Treat	GSE68607_GSM1677026_Treat	GSE68607_GSM1677027_Treat
9970059766	2.81416916160176	1.83935865926016	2.69109862314708	1.84778530060258	1.9656417483119	2.3646663956445
2492501681	1.46889314903354	1.46708296076644	1.58083746221824	1.31945707196365	1.11013818763179	0.846222019711951
566769123	1.3920135750737	1.85352490617761	2.31227966945699	1.38636040228478	1.92079472857019	2.32411625689017
6814395769	0.779941439207914	0.736049237812314	1.3111863549159	0.790918671935907	1.00697243969095	1.00697243969095
500403445	3.18891831404881	2.96167474347182	3.02073756956993	2.80984272406165	3.06231876465312	2.82447155591981
0758531704	3.73505945674473	3.78194709288078	3.45388015548258	3.57863318062485	3.25302665751651	3.30080242080956
1388925565	4.02508417189963	4.48658420277562	4.44709047874058	4.39873695034189	4.56561058615915	4.54642079442412
4852267305	0.90056882537848	2.77602219098087	0.791014230629065	2.44384347348144	3.05890294811273	2.32731697179484
7381723855	1.89393996552706	2.06040794581993	1.69079872425406	2.07584112117522	1.60534168114248	2.95519128154578
2363004448	2.52862528631819	2.71798126879933	2.97929800278299	2.40927501917251	3.02976154440576	2.51737578600325
7102015811	1.81037839309534	2.00241765579211	3.80514352986554	1.47417408276716	1.85920134139353	1.26792432109448
4527699409	3.25384013982154	3.32706191368122	3.191745042433	3.18134968902996	3.34802557405467	3.05908940393236
5100668551	3.53274606195473	3.46707245062563	3.13069167278106	2.95752903218413	2.95726470288789	3.12548827419761
0901414528	2.67484902756885	2.94307903689504	2.6713538476974	2.7746149159268	2.62943047516494	2.45962483456593
2042070895	2.52535483520759	1.53155304636993	1.60966742998774	1.40085292157174	1.34527749335026	1.20970770733814
72137372395	2.17862436182491	1.60439808915938	2.29196492341334	2.19985258884533	1.67070318583816	1.4260517965289
7231067648	4.0137442933559	4.25095258844218	4.17194310334905	4.01935998252368	4.11763066431217	4.1062749930214
5620997567	2.16463620147998	0.720349441489936	1.96250298058508	1.84887998261553	2.09784058253008	2.41702900926817
4988033672	4.04963883096867	4.42678118180883	3.21352945820441	3.39593259112571	4.00407971787374	4.25124349839341
9324417111	2.52543449843094	1.79262706571558	2.14192263530921	2.75351680342249	2.97535649003943	2.47939820486462
4621809308	2.22188845512355	1.88747570396555	2.52902551447355	2.25365268183555	2.06214766327442	1.83118043141834
7561301273	2.58590763097738	2.51134376616346	2.40008103247362	2.06275176007522	2.32949206677215	2.12968185040325
6824572543	2.04878399703745	2.49926253812454	1.91169909112853	1.58700304123342	1.29748429254169	1.22883452577673
3232381737	1.21033232381737	0.736965113380691	0.933717423948393	1.1735430570081	1.78086858145528	0.106503646997558
5465319574	0.992009818757104	0.794716000009587	0.285223302610535	0.976389277842642	0.52052642521293	0.36790228425815
2925166075	3.48743666343445	0.079152396357729	3.61424167142655	-0.226971743047901	3.7321207164934	3.53114304778227
3094379613	0.494841820651055	-0.292778510949369	0.395496043447543	0.273635246464199	1.44810904713709	1.00791429141687
7263225476	3.16219300366063	2.19987076305024	2.62964728491735	2.50760108619822	2.44923165860005	1.53793209698382

SM1677021_Treat	GSE68607_GSM1677022_Treat	GSE68607_GSM1677023_Treat	GSE68607_GSM1677024_Treat	GSE68607_GSM1677025_Treat	GSE68607_GSM1677026_Treat	GSE68607_GSM1677027_Treat
5037135722	3.92097625476184	4.40805366879191	4.35689805881671	4.0349342454512	4.49499915701287	3.86433675108734
0496705566	2.88067389423973	2.86131360628418	2.91664759402728	2.87617637956453	2.98672566500993	2.72742934779304
5847975481	4.19281476132904	3.93088819644462	3.42812145944401	4.2827901422186	3.93187088454536	4.52009240237001
9469563801	4.47081667638811	4.68767770408763	4.66540440640556	4.78133106483121	4.86975874953757	4.60057158536954
4821232968	3.09564880151685	3.11707260735255	2.98762705732897	2.8597404928204	2.89460618303271	2.52626797277102
10109821689	0.332214513228447	0.283104327602624	0.0215256961491124	0.755645233972667	0.415631232462624	0.115252811967165
0084418459	1.41088673820997	1.92028718400726	1.62113887266939	2.30401294975712	2.31754787861506	2.84011868213654
8884531023	1.38640509912554	1.23724579354772	2.13993378950305	2.47405035937981	0.972095567723146	1.08105669564453
4759188684	3.66807811524544	2.44368023138116	2.62420522603311	3.61071721121363	3.76236124673885	3.42936012822206
9260943035	2.63225515367904	2.76943622873501	2.5613744965848	2.63670216169163	2.93915756119568	2.58090202365277
1188106574	3.98464172331557	3.5630387660297	3.45798614838536	3.45371684758943	3.51580542400166	3.3472684940389
1663956316	1.85194851471963	2.27125905902609	1.90685192998365	1.74117306775822	2.03481530637977	1.66731669400415
3839193385	2.02577908854941	2.50467600273523	2.53854387409729	1.94149917628371	1.98008366232447	2.23271498292143
0866193118	1.36096214586869	1.22264766756655	1.33661774488773	1.16827561164516	1.09909729533968	1.006413655559
0139982937	4.58089289119359	4.57954965852807	4.15132576034138	4.70634651339016	4.56263379718196	4.57496858357749
4110282342	2.43130944026233	2.0190665478516	2.04789452041179	1.77434850094552	2.51758811363727	1.40301368160935
4699378266	2.48209105668159	2.46771651412109	2.05426146155061	1.5880086506855	2.18290210080316	2.66817207338123
1608493902	1.55597416299751	2.74029274168428	0.296459108544535	2.26242797369927	0.0936130561510391	1.77216590665822
8752989605	2.90745115966918	2.52217846703625	3.10769768569032	2.75942790280959	2.74006601601218	2.40258025681614
3382152677	3.06569120401464	3.1114151309036	2.06710510079914	2.02359042638257	2.60747705306119	2.51931353872587
5344260861	1.10254386032371	1.52442316698467	1.93445420283232	1.25811718209632	1.84252159675137	1.50852992861984
6116486586	1.55096869445858	1.88114815692071	1.4528292254519	1.62451584692423	1.61129173200587	1.56695381223259
7710395234	2.34561125642144	1.83355178298791	1.76512640811691	-0.0468118334808798	0.692242383680529	2.24933256008171
95854111663	0.105541029767578	0.513353043791124	0.775985487272018	-0.0149203131503922	0.912932863238647	0.527261296665573
9759699264	4.20429393526104	3.59638546812715	4.16182053542721	4.07340693873088	4.54825680467293	4.18210491350369
4709591127	3.25341416325339	3.36278320972168	3.25272642042598	3.53890469797837	3.56991978905464	3.73434714879693
9744170261	1.17713888367292	1.34419530634308	1.18019973180836	0.928190662287917	0.743174307919027	0.592407813861899
7112201776	2.40433250211446	3.43396352040239	3.37798260372803	3.00600584642984	1.27024500442777	2.46464405200353

SM1677021_Treat	GSE68607_GSM1677022_Treat	GSE68607_GSM1677023_Treat	GSE68607_GSM1677024_Treat	GSE68607_GSM1677025_Treat	GSE68607_GSM1677026_Treat	GSE68607_GSM1677027_Treat
3252473012	3.49918234643633	3.41981151732542	3.72026267840981	3.38466810334099	3.42263235328569	3.52091051726059
6890636213	1.01690338344254	1.67169105380961	2.10848979365219	2.16003797204781	-0.112149743740416	1.5422352808145
3288379744	-0.377591781817148	1.91032174676406	0.403333193215072	2.15854997130159	2.81618339014188	-0.272392609688332
01829048695	0.405957665151866	0.243728296834303	-0.128898339717527	-0.40977708014442	0.310781110873322	0.2934094473715
9932183121	1.47649070986794	1.67699102743345	1.8917677227122	1.24390947628978	1.51174129557151	1.39453862039412
4087881465	1.43420691721283	1.16959836354014	1.5507511557494	1.44771422850039	1.20642168312534	1.40855601540232
6067433143	3.28295603256012	3.84851878268449	4.33262005644639	4.30781142504882	3.99000806482714	3.60869450665868
7577846616	1.79538471487506	2.22459754721934	2.41741106569291	1.74759384667575	2.18363802649807	1.89976049763087
3394970212	2.84952561978194	3.09065204953977	3.20757027591793	3.31174651256957	3.55100534941425	3.51640924309704
2289564521	1.37376104168618	1.71880799088686	3.59149711542121	1.16762723729298	3.76995462579387	1.32747217589005
2291312661	4.62908820607637	3.95891883686822	4.35355142818254	4.45217581698205	4.45384946012397	4.44583511849689
1913214266	3.53051525779591	3.80727516028355	3.09215163638181	3.28066751783156	3.54921184449577	3.4909383974789
6381286558	2.45621967952681	1.33576165719601	3.07489746256921	2.47617970637327	2.98680932336293	2.56111623896072
6098115487	2.6891239352929	3.11093233217715	3.54454883236737	3.36593604369847	3.65762023552153	3.23789963362902
4386972101	1.18650526660887	0.258194829521625	1.28048966613618	1.02378059817494	0.956829280041294	0.554760035902493
4735241154	3.85756266635302	3.89581356875807	4.01508689968282	3.5727053637054	3.87243118471041	3.46331140446046
8784377367	3.50982147223514	3.32396039328351	3.38949769703506	3.79136930557818	3.74055488359594	3.96340062096926
2707023791	3.56163228153953	3.9212503221048	3.68352039311979	3.95435782153541	4.04401092080235	3.94214611943034
0204786643	2.28171362072946	2.72053879064135	2.80261850841689	2.771021943731	2.71079728238912	2.48947260533076
8530067475	2.69058067243944	2.8544922679616	2.30104116843236	1.11688586022428	1.13565801310589	1.5798410045532
9602329367	2.34262613363068	3.32055623725414	3.15604269787473	3.25717226842451	3.836472699969	3.63681466004337
7043235275	1.00462522504904	1.62602057572912	0.912404235600126	1.1317315221525	1.69308754372848	0.584039483737736
5900118622	1.88488807749008	2.37667791787923	1.70170184059695	1.74164016592797	2.5209620959259	1.97551741732185
0662739274	2.05821851226499	1.84239157851391	3.38432094864394	3.39869045395067	3.36246048282971	3.18197149904848
57533435794	1.38842360061266	1.13152326778539	1.13409218328963	2.52861728920158	0.897097159301537	2.38791109477876
1500129901	0.799046587874545	2.21706328254007	2.41256314632457	3.09087009541655	3.07848659556614	2.9523667073477
4781229007	1.40322059065798	2.24032792947343	2.15545274766898	2.05455918610937	1.5021680979132	1.7639375205676
8902574545	2.12585796356394	2.19613957959575	2.3004139700701	2.20550758089756	1.95156506897802	1.74527501882961

SM1677021_Treat	GSE68607_GSM1677022_Treat	GSE68607_GSM1677023_Treat	GSE68607_GSM1677024_Treat	GSE68607_GSM1677025_Treat	GSE68607_GSM1677026_Treat	GSE68607_GSM1677027_Treat
7124952358	3.85228490868265	4.01481479992996	3.19906065567511	3.63495642959176	3.45379459336735	4.10420477677373
5923530293	3.53161150823467	3.75101534602987	3.58716881627944	3.627631755363	3.3740556373738	3.60622228179207
7535212574	2.30449085517796	2.26489443946534	2.23470311570413	2.3584378739356	1.59264561291743	1.86771236270089
3747501405	3.03913266899353	3.14271605427083	2.8152068915406	3.43336885871482	3.22190218224951	3.76646705942081
1319741735	1.62141592692917	1.94566380489737	1.74510255227424	2.66318219497405	2.39670649684718	1.77549500693723
58647678893	1.27155256732239	1.59095153808374	0.252275174391625	-0.304028326447114	0.595508601849948	-0.0133116689543882
5424543369	2.64508566340317	2.71063671589729	3.22288312235517	2.7920661099126	3.48139365514746	3.50033571085256
3520451728	3.40430879275124	3.30952869974266	4.21975711844701	4.00007919381707	3.91084314527873	3.95607056956296
3313194805	4.49370581029731	4.67527179097172	4.69668486503319	5.05716515038339	5.07009064353342	5.29210929716609
1687905895	0.840391467616249	0.487783025527942	1.09219377237871	0.43116623352082	1.10357203569673	0.263946568991892
552235661	3.01551825095964	2.9579933050078	2.97236698005426	2.88956549084167	2.84942032534998	2.84593061053145
7935059185	3.38319716293686	3.42554126805857	3.52294846958755	3.50060692815695	3.74235107323401	3.55661615265169
488701912473	1.51478713079086	1.31792492203054	2.29717518741201	1.19277569949768	0.808071811530068	0.603152910829231
4514710451	1.48011412869869	2.26542646646884	1.26465961783166	1.77615478053401	2.52623559251319	2.12117483788398
3118678792	3.06598254434102	2.91074450517588	3.01359526235988	3.02390198855114	2.74196440868329	2.66759442791572
3311576146	1.75144375971573	2.73376273747102	3.23304975477829	3.07582790673267	3.11330159168254	3.21445331437937
7584797111	3.09776126657482	2.63492820211869	2.99842745732098	2.35867036987138	3.5672224218474	2.88473459287708
5273200692	2.40157505376047	2.10577573555451	3.16875739875753	3.51699811555295	3.36872834579533	3.52193182492331
0078301764	3.54697054957124	3.41319009822282	3.44051529633544	3.38289013937585	3.40603433502933	3.19267613530358
5975883682	2.62370339322252	2.39443472514481	2.52003246616368	2.20150534518631	2.34214416102566	2.5898336210323
1634196944	3.329185146484	3.26209564520129	2.82862648094418	2.66975198177171	1.9728835202476	2.4598759221389
6490851736	1.99102405119696	2.20821228136596	2.83534772394152	2.98397119044823	1.35869891301798	1.73419218244461
6817399423	2.19927859034993	2.13530401802072	3.44332300244898	2.76398128868006	3.61937238856798	2.50244994931271
0927818733	3.69166017285722	3.41441028260935	3.6433759503099	3.16125723367559	3.21670971328508	3.56728739218538
8052583342	3.71246847990533	3.70965808229693	3.28968967202423	3.48312474389791	3.54977733209317	3.49982681934629
2492739704	2.07121713489964	2.10904256196667	2.14586123385121	1.79797956397426	1.84541048142658	1.39383247646113
4972474879	2.71225536562666	2.6113573648092	2.75333017883793	2.77803309665705	2.87874142095918	3.06496698004194
6394243229	2.46615046213388	2.55919934420456	3.03131654203912	2.70289120624278	3.12623223273174	2.73566324168717

SM1677021_Treat	GSE68607_GSM1677022_Treat	GSE68607_GSM1677023_Treat	GSE68607_GSM1677024_Treat	GSE68607_GSM1677025_Treat	GSE68607_GSM1677026_Treat	GSE68607_GSM1677027_Treat
5307087669	1.57418519673307	2.03926031258368	2.02150190235861	1.80304547265848	2.4993863195344	2.93898676403259
6311661752	0.908334063924497	2.05196960476437	0.986135490631737	2.53980844629578	1.90054844838546	1.37649504066675
3214334305	2.29744927263713	2.95578046073714	2.59211649544993	2.04270267143824	2.27900073666559	2.01344603826815
2621848563	2.83401105295504	3.40945604713644	2.36254265621201	3.43522324818564	3.37947702292422	3.13798297739804
4051521345	2.15221886991452	3.32214948765575	1.70396005744083	1.94287601507074	2.51496857613376	1.92640284930965
1042171684	3.42149717971163	3.52505001425123	3.35231327242798	3.41405118343364	3.2653545747714	3.36454854113232
3355679638	2.83620450888337	3.80384224877455	3.20136131575113	3.17278381059059	3.54179033824007	3.57428961082759
3405773767	1.20093593260703	1.78291879159643	0.620509607850378	2.08087371702133	1.72905771235769	0.50863570783893
7898136784	3.81490457909712	4.01769228185887	4.99410682285907	3.98951892491868	4.34611047458432	4.23271826186079
1913933604	0.502462644134192	1.5238520106727	0.246641009755786	2.99298736409409	2.56258447816795	2.79334216219368
7694404141	0.96858414350764	0.587639707713348	0.542927627776321	0.848460677501336	0.348552290910042	0.0459651702533954
1802670448	3.66713735481191	1.52416747733098	1.60881067050702	4.1617643740071	3.93055036354482	3.90046602615054
4162142428	2.58773315281039	2.40867330644013	2.48047722307595	1.93573874384182	1.49415393863437	2.48066987229926
3970992017	3.83076826887907	4.36045921524224	3.91172806569057	4.1521616899693	4.26241622688722	3.67365408206136
5301093934	1.95135535891489	2.20753497883679	3.17043381045237	2.85150701017657	2.33788804628796	2.75160898363756
6633643367	3.0521142346785	3.04634050516927	3.25374791392806	3.21337285048667	3.11506758178872	2.62878718567876
9083285819	1.02581218433683	0.112076660778885	0.920119733175805	0.780622465922674	1.330378298432	0.407661615703234
4095136963	2.23950426310844	2.24510823108817	2.34705504955824	2.2329908359391	2.04452768339656	1.9153861400875
3856369867	2.75997938282395	2.74611259015239	2.69606865034887	2.65528261525515	2.53866847610332	2.37695704220393
8248645302	3.65528548714372	3.44381328777483	3.30951875735349	3.28556159898187	3.20083691337825	3.0569280979254
9304253419	2.63894855745784	2.83695375095003	1.02054662565244	2.91593561485858	2.58426364462911	2.61223910247456
9869623465	4.34348508434331	4.30075305116328	4.19031305104035	4.60204794516115	4.1754803750218	4.54622262009773
2209794146	2.98425690449406	2.96236509398984	3.04619281372553	3.04786897064342	2.97722656026019	2.6385645816935
3628350494	2.43290118602947	2.27918191999399	2.68326119426747	2.6142521996856	2.30974945646315	2.14385185964464
2898846118	2.36439057638503	2.26576218565584	2.22553550176612	2.19218713500205	3.10169161100111	2.52235020899239
1789519727	1.21561626053921	0.363258767897776	0.771154032069064	1.06346704395232	1.21174364626335	1.09190332875595
8899019761	2.901128813315	2.5439600732611	2.71774660754932	2.87172801882078	3.21483159570414	3.2437323381357
1230528334	0.615563455276386	1.91171085549538	1.66341868260013	1.34928032977849	2.47775679497436	1.93953177094714

SM1677021_Treat	GSE68607_GSM1677022_Treat	GSE68607_GSM1677023_Treat	GSE68607_GSM1677024_Treat	GSE68607_GSM1677025_Treat	GSE68607_GSM1677026_Treat	GSE68607_GSM1677027_Treat
2239104776	3.65578519881996	3.1350070418115	3.53581469725755	3.62445143040421	3.70288019537032	3.62285096548146
9936588665	0.756549378655062	1.19858600163201	0.849547024089852	0.217437765303566	0.163262818565175	1.38529236793121
24270793645	1.409917302289	1.13057787112884	1.01776743513443	0.964720040782576	0.949537720271059	0.819313478417875
3179596951	3.8915886845283	3.66686123879205	3.52227134707251	3.48690004563943	3.49707580964511	3.40433959026186
8506760651	2.72363997234745	2.83347226542259	1.80946122081589	2.68872819937705	2.37712874160039	3.47427254671255
37306894354	2.48329707243796	1.66880337355288	1.18681784021502	2.28274233475927	2.41399701719646	2.15245831802657
6638312637	2.39753013743092	1.11622058578237	2.10326771577272	2.19986521295797	0.837321388723841	2.08234894114773
9619560465	1.58048359269375	2.36483057174314	2.41656513463266	1.79185236506205	2.42537672620347	2.14807530303253
27211279926	0.0840958950192631	-0.164741414920087	-0.407829224396708	1.72316511217445	1.78394641074545	-1.07641502487507
6401612644	3.14387672607723	3.36846224547689	3.16529318242381	3.63861708540676	3.76716215293825	3.82791902830361
1026720324	1.48474632137482	1.61828191284464	1.97353502054225	1.40941326737701	0.603543097887203	0.691004577289407
8650454132	2.80441898316313	2.83689508875388	2.73588418024442	2.90815295124812	2.62724006649991	2.70375514633188
2180596765	3.03147471231015	3.58602729408388	3.16064683518017	3.31713979811036	3.27563651761861	3.43197614760296
1322071884	2.91678882294174	3.45150427551577	2.53282786814356	3.40906550513327	2.94574090951436	3.89879984080593
8729534325	3.48998848797675	3.49410876391289	3.51405119232853	3.3328033420707	3.19619473716725	3.10648309448611
2675747597	2.94458544513532	2.92801258681983	2.68636682540044	0.737416289399928	0.632568001204492	2.71946439029957
0508376801	2.04203386994651	2.32787236298415	2.04133242839291	2.38072907761581	2.41680795575509	2.02051789705922
5487124801	2.58385377603513	3.46225027416277	2.41386864055378	2.518715793263	2.66295633726165	2.42210204049676
7322852159	2.67688760542289	2.75671153473132	2.83231505842198	3.08460659014082	3.01646428578394	3.13251369838499
9129402291	3.19125524713533	3.35990094842941	3.143443908087	3.29264648635384	3.41097852151159	3.42918980669048
8474137855	3.71508248686923	4.27682739602235	4.27241841925383	4.29775937292758	4.57101397257343	4.32391098704346
6431753944	2.13704469561945	1.85156737250282	1.8053076800087	1.6556943685426	2.47617738232028	2.04103469453963
7185227872	-0.189130977970082	-0.205599836877763	1.14645389525208	2.07233035233404	0.890375819708398	0.831875955529231
7341501961	3.36819206270829	3.46283052422937	2.19994688228699	3.14616576332661	2.98387137660252	2.87584333294608
6261740912	0.840866555255593	1.38905601258775	1.6078624820515	0.895722247642899	1.4553414241415	1.47537395750449
9749184446	1.5423152747217	2.42898022969465	-0.345328985172854	2.33803061432117	0.897653851210401	2.19286839157413
4053379968	3.05882238918274	2.6542594758789	2.70490428298695	3.25672066755195	3.16811111888238	3.57489592265933
1452445444	2.27517033965824	1.28638295182471	2.09473355282636	0.845885355663221	2.42577077283037	1.90587537598959

SM1677021_Treat	GSE68607_GSM1677022_Treat	GSE68607_GSM1677023_Treat	GSE68607_GSM1677024_Treat	GSE68607_GSM1677025_Treat	GSE68607_GSM1677026_Treat	GSE68607_GSM1677027_Treat
33184622665	1.73261659323715	1.90975473511791	1.63643709953358	1.59698176788476	1.30392274527943	-0.806659713518951
7521497366	1.99452883989749	1.29805654607253	1.64044781780552	1.65079341593542	0.84734894102012	1.36814263169446
15454118453	2.61031512734019	2.81751655812158	2.82267924325565	2.89446614679675	1.88602048423039	0.557757312743887
0552815132	3.81116780442306	3.60724639053892	1.54520816977545	3.68568004734447	2.78661898980778	3.89335459749779
0126716154	1.19895865392233	1.63015205893632	1.22703651717628	1.43893360465079	1.98535867028582	2.04638940274346
6361261701	3.56103348816951	3.46677931526731	3.52489322510602	4.24121432247654	3.98426168805641	3.99196408726869
1230631081	2.06345181312429	2.01598478841757	1.81390417123074	1.53737741543018	1.98731720871858	1.81263482353827
9410315796	4.67118916062712	4.44574844300957	4.6766092834095	4.48028035154721	4.58989533469185	4.68129252252385
7283024348	4.1076068537063	4.42965814942773	4.42008273520206	4.68295897775902	4.50695612302315	4.55164489217288
5461522428	1.72884254694692	-0.42120681862642	2.19704942184449	2.31962552357401	1.62133011503458	1.89628509994226
3255825391	3.05535450973743	2.89760205794343	3.82320994888576	3.46933456943141	3.47143549969096	3.54065696817778
7208637152	1.44552496976617	2.31970996465282	0.113085545394896	2.08837698935093	0.981939212402796	1.52042584685201
1585083123	2.46712811671961	2.88948321968632	2.58838775481767	2.48929991897182	3.28493967018003	3.59394717440513
3879404348	2.90362811186369	2.00170272849585	3.48728708453042	2.04169191771114	2.6862513023147	3.15133248076056
4403708907	3.37459204290338	3.20100000676955	3.16250852725213	3.24043489065981	2.97882881968056	3.0609257420495
3604048146	3.39318683299111	3.25467827898982	3.31831086586548	3.15099077729363	3.30621248855117	3.04880024529194
0730786175	1.82364565765192	1.83015143629703	1.93037183134638	2.34023769540091	2.66709907505559	1.62048736299869
4767161168	1.30812186016159	1.44865949264612	1.09935188052744	1.40430371207869	1.20516585674649	1.53676699577198
9991709198	3.7924454630788	3.95338026173265	3.88091089635562	4.30252327251309	4.32876793685497	4.34072664099067
2322359224	3.00131960298445	3.09671473751466	3.13155567445186	3.03335862514043	3.39609765176635	3.19728124100595
65859910439	2.05008939831141	0.862408557076125	2.39515214775398	2.03265078645413	2.5078394533224	2.07098032667963
0048173544	1.48983587285184	0.11417270441382	0.214951553593991	2.06778320636528	0.0206368915986214	1.94342094671109
4169094357	2.91827532498332	2.91999184021279	2.75160868750217	3.04051304893944	2.6929334071961	2.76725316756574
36077650833	-1.50664359814557	-1.63097690046788	-1.40026229763892	2.13226435066182	-1.76027978714621	0.365440875718975
3638190601	1.9604613205839	2.76866087224653	3.80762954774673	2.61939293356776	3.89868078998557	4.06939637734638
7763792158	2.17427916102863	1.63841830285112	2.77880834023903	1.62877301269069	1.58536794049941	1.83498832447723
3573142047	2.35382963288062	1.33839559404033	3.07949498319513	2.51174553485757	2.51841804832839	2.2138072439581
1637598376	2.63225008918863	2.81211382645564	2.28349979304845	2.39783712951274	2.57169973915066	2.68220052640988

SM1677021_Treat	GSE68607_GSM1677022_Treat	GSE68607_GSM1677023_Treat	GSE68607_GSM1677024_Treat	GSE68607_GSM1677025_Treat	GSE68607_GSM1677026_Treat	GSE68607_GSM1677027_Treat
8304809434	0.420635574775195	1.45418957762102	1.19069325963316	0.574393685941127	1.1048065313309	0.0422991058225899
5519991953	2.2157554651968	1.82723754960642	2.60428438416168	1.34218143920136	1.66253827361746	1.52772032024907
3209226824	2.00397656452369	2.18699467892963	2.37357025681311	2.72445412404928	3.18415857141151	3.48689399508886
0407091469	3.03288113592069	2.50644324590333	2.50435204097382	1.90218387869333	2.61327378365008	2.80856857017338
5905563743	2.82846959143474	2.68807760394153	2.31858867576361	2.52647845097588	2.28236986839833	3.36504759907783
4470656188	2.406245769557	1.39575907778673	2.3758049689553	2.56224781454635	1.82066724806227	2.3710792668715
14283563846	1.06880707149525	0.827514957980575	1.75146635482977	1.44381823255236	1.18421239923726	0.0640813445487945
57252649485	0.241033471227917	2.75796901415294	0.311872999232725	-0.0830606593515348	2.4159266655402	1.57580616429387
6220883465	3.77724673305867	3.75043344939411	3.55941765807863	3.51013017695274	3.33890622488055	3.4955102497242
68487205121	-0.132464218302469	1.81125115303184	2.21910735361027	-0.218785373289731	1.89870296246579	2.18894279635409
8553053827	1.50424385299174	1.47136407026361	1.56125367219681	1.6801648640618	1.49459664052087	1.86778431993697
9492926849	2.25935937309306	2.54912147618449	2.50531560974245	1.83579532757512	2.38922447829081	2.11046634754034
6914015867	3.36776203263789	3.36026931402897	3.33563739398057	3.36843769238015	3.22897772746686	3.46439250610626
90733320644	2.3016499685125	2.4368743233719	1.61957430974733	1.72221178048636	2.19898828784715	1.69211230982799
5875473292	5.22891292982538	5.28755040016238	3.68281727626419	4.34203191103189	4.42455709737199	4.52145293608366
8833954508	2.67114620492884	3.10807318181578	3.50932902851069	2.86844274026535	3.99110261743897	2.80303591455545
60839432829	2.35569037970185	1.61722907416058	2.13630210555618	1.48751168642316	2.26088145353188	1.48421232840639
63831388834	2.3087067295869	2.08305523673797	0.920498830811291	0.572963102991146	1.51173646250821	1.16994254876191
7980785065	3.427278941642	4.08122205981652	3.57034680819697	3.65532346680235	4.30749022411884	3.28896898184262
5610722284	3.05077390520307	2.94125316187321	3.04836038923139	3.10878055826986	2.82751814885732	2.71418751202922
5774885971	3.41102214423683	3.73291045246688	2.33668627076892	4.0562873486177	3.32629517192539	4.42322365363835
5707689706	2.20446703151612	2.46542063847304	0.408258656067775	1.99893833416573	1.13319070100614	2.40255805101669
2773848596	3.78227694627674	3.9189318375072	3.60731966187126	3.6633500336231	3.32525007954913	3.6457298948708
9152455365	0.994751162024904	2.04946401291949	1.4997212700139	2.09042783741232	0.965862250123514	1.34807010923088
0129500764	3.12459225108191	2.92848005813571	2.8915584539907	2.89349236015508	2.58408421004278	2.64169664480322
5001975205	1.83916048923285	3.33298101425858	2.85628072533403	1.50510216321866	3.03022948185939	3.4838359950763
1420111191	3.26702390994847	3.45554754334606	3.41587320582174	2.93734395340589	3.41100052506549	3.13567369104688
4911002646	2.48774307427269	3.38868034899592	3.5939942245867	3.11859441368724	3.95683038400532	3.48226448604074

SM1677021_Treat	GSE68607_GSM1677022_Treat	GSE68607_GSM1677023_Treat	GSE68607_GSM1677024_Treat	GSE68607_GSM1677025_Treat	GSE68607_GSM1677026_Treat	GSE68607_GSM1677027_Treat
0064828415	3.17227238058581	3.40483945454304	2.59299573821608	2.56439295031759	3.12074469201373	3.00804399894583
45985174017	1.27037680495398	3.22357553440765	3.3474560192071	2.91953471349608	3.49673494157954	3.20456763004908
1605304358	4.17143395116771	4.43710176818183	4.48283774667354	4.39173488740572	4.57519952973487	4.35047895012973
9936086569	3.41320874064263	3.46042844152804	2.95941970571396	3.11243979433822	2.80845938962406	2.95437131438836
0351688676	3.61291703910182	3.49196159273076	2.9308793461879	3.19784935825094	2.13429584965589	3.08733085307606
2229383103	3.06481310100786	3.78070546429414	2.05223513594294	3.57703291352899	3.88311584735867	4.14753457029155
3748865607	3.22945111393656	3.11243543678819	3.38342769422735	3.25182945747033	3.03196317576814	3.42401348400676
2287328252	2.05846890964868	1.80268689624574	2.62211927050185	2.1968685847921	2.59030394770098	2.54239914740731
9925256568	2.73527229712541	2.4744424177565	2.75169044738656	3.5399038992919	2.66932496090523	3.35729161950668
1180863732	2.06568628652119	3.14006154391336	1.22997924851635	3.3407435201778	3.1261860576777	2.23795207903964
0663422556	1.68613348527336	1.10134937121246	1.55081092224348	1.09618443636664	0.958517157524347	1.81825666077805
4137413649	3.08755820587831	3.88286133731972	2.79130911936133	2.60183352747672	3.30232619400873	3.63132197186901
9574584966	2.68382548249859	2.28493967574833	2.17613373448296	2.18798723127073	2.87718790417435	3.04464448668988
18730383622	1.22042735069238	1.76416366685461	2.27985505927793	0.88429721713554	0.801772549041576	0.893133931916672
5503808836	1.43900615956296	0.893913559061356	2.75101618178743	1.42413618093124	3.33572372813795	2.92620574812863
2075502387	2.50340188388201	2.20797851797228	2.58250804679981	2.92327054312262	3.18985947883913	3.23948663491997
7513923514	3.32762429032761	4.00253658055742	3.4651162055671	3.74017236018344	3.94009430611462	3.85029588332383
6511262063	2.11577808397198	2.07770345232137	0.720029393670456	2.15380771763303	2.11293816942851	2.3586525310631
0892986919	3.10019537736199	2.94636787408636	2.88176597492583	2.76477843317273	2.77251694088278	2.45892928249368
1878199251	0.592384606737808	1.11391627192971	0.959471395082069	0.932365077750458	0.807531057422838	0.908849383121225
56823595148	0.838442150604434	0.266775540369033	0.0577793534642708	1.52880573399445	0.777343929849458	-0.641319533274412
4963102982	3.8248886034596	3.3010278507976	3.59288135118474	4.18151668251054	3.44745326747068	4.2082703934561
9163757637	2.92631920549304	2.6566008075125	3.30574975195506	3.77159765271011	3.28225675056953	3.77356813038266
5934232276	1.26414284151875	2.65705340264623	1.5972173472489	1.58601115782379	1.60406342448526	2.92569689484693
8633733562	2.00203156919122	2.2070303197481	2.27736217916022	2.09550774238041	2.02006614265053	2.03714211630685
4686110829	3.99793476285323	4.00930534294677	3.97010913603882	4.45882374315566	4.23540647687137	4.37192660344246
5944837508	1.44654732439229	2.05798884595424	1.62481792218298	2.23720223448452	2.06470073318679	1.71428568202372
6023952474	1.92744281753005	0.785535953357987	2.36861560666983	1.78410582334714	1.58340154318321	1.83752758948775

SM1677021_Treat	GSE68607_GSM1677022_Treat	GSE68607_GSM1677023_Treat	GSE68607_GSM1677024_Treat	GSE68607_GSM1677025_Treat	GSE68607_GSM1677026_Treat	GSE68607_GSM1677027_Treat
2132227962	3.02218594226705	2.28789026317887	2.66539333121428	1.26643945674731	2.44436848013047	2.87958791565049
2539085465	0.899182620079184	0.636487504512544	0.867284735911538	1.01949085954399	1.12568814341746	1.46144849643003
2084574848	2.09236833900151	2.66550754150895	2.71106986984925	2.16401551989851	3.24976419886875	2.96093124558372
1959581331	3.85525932551911	3.80905008838734	3.88532459653951	3.82255915823804	3.62076678131863	3.80832404834627
5025244855	3.14328321335105	3.05604026376873	3.15238971609849	3.02541511338029	2.97716920507689	2.84234841879245
3695544645	1.91915831963487	2.14056304800959	4.0117840156505	3.38677150203199	3.12298806348323	2.48626981187568
66376230865	1.68361146940887	1.2329152034879	0.735299742416918	0.758386097218104	0.204221179831698	0.526537510138523
9253170557	1.6872793358461	2.80526687909229	2.97250925733153	1.37733325144152	2.88412894704806	2.67247319095724
7515994704	3.19413502437153	3.3045127105127	3.29281920760564	3.03896144748748	3.21328258196134	3.05508177351146
3452700282	0.693717051324294	2.29694580590937	2.59081144989717	0.617841370338613	2.74234752093472	2.22928575247389
1162184016	4.04669888406457	3.66687352925551	3.98423537635507	3.16363555734729	3.18828733400539	3.33624399085755
7437799431	1.19983866491945	2.1138120956775	2.30165209487499	2.24770483884689	1.15426205081576	1.9214075055694
3282831912	3.82249468796592	3.77869782781325	3.96633679618352	3.81287823276593	3.89927555793584	3.79533448727367
7705209865	1.70832212919141	1.30436063673609	0.658824565009713	1.55533872023551	1.5375551010316	1.58496343103758
4315058249	2.06804102036563	1.95859321967356	2.72990584837252	1.93558816903654	2.70234460701768	2.65722754119016
3305847611	2.75557513248815	2.75519690262002	2.91897500607945	2.6541409369756	2.46725958663846	2.59337042354585
9898522055	1.56209653080436	2.2353446139084	2.02712214920255	1.6022813613619	2.29618013387522	1.99087083793023
0435832447	1.54388077094366	1.05666522331387	1.88624430748495	1.54228043696949	1.36329006618792	0.827597965016981
0367542971	3.73806372939302	3.703893669108	3.53596527321312	3.68431861176055	3.6420722583541	3.42601409678757
9058864146	1.37364498283229	1.60044308631951	1.07338766171138	1.66810321602755	1.46531975534004	1.2531933722691
2196950493	1.83273096421964	1.51544115787827	2.55551983272689	2.84779662576445	2.86537265285595	2.99801394808747
1934079714	2.62966508575035	2.73385958360564	2.58487297740858	2.98633135319443	2.57787278556089	3.04582805881214
2104431041	3.96860007611271	3.68854034658689	3.6005218227728	4.09298221997539	3.75988936545868	4.78570191233729
6437766659	1.39091083304082	3.10882304589812	3.33487656156671	1.44142595877906	3.09782889917583	2.4463850696592
6344970183	3.0823566593833	3.05467487845487	2.99153875786162	2.7898021461573	2.66580044590294	2.76799432824588
2434607718	3.29851556235204	2.19116646509727	3.51190817686424	3.54089827723613	3.64816502880793	3.31381640886912
8884231793	4.94464200330651	4.52739573641398	3.83810156165093	4.63378841577137	4.55872080662665	4.56717050869884
1248090896	3.55637606137914	3.42538207285112	3.16166938437265	3.00937214062461	3.99909052843029	3.4467265026821

SM1677021_Treat	GSE68607_GSM1677022_Treat	GSE68607_GSM1677023_Treat	GSE68607_GSM1677024_Treat	GSE68607_GSM1677025_Treat	GSE68607_GSM1677026_Treat	GSE68607_GSM1677027_Treat
35218553515	1.5041931226739	1.92055761991287	1.73861283902802	1.42610008493334	1.7275979332505	1.40225540099649
1135670031	2.39744908519279	1.22294624608839	2.92042434428994	2.8142017526169	2.99926810009477	3.32627910338025
32698083383	0.752196920230816	0.101594130818005	0.463786874106744	0.185534712090555	0.0557790434526698	-0.0384325043776961
1128483522	3.14849297114133	3.33069975258293	3.32054588205898	3.1902435178235	3.69081448245982	2.69559308883823
1150395422	2.84529166728815	2.8968159137516	2.83732427275815	2.76679357181821	2.64045970897147	2.64869248395849
8002962212	3.58896077541836	3.58073204098306	3.13380627541877	3.83876765833676	3.60955191208098	3.06088558483861
702791189794	1.13714726443745	1.21943630668979	1.05494005856761	0.515971487363958	0.0424614140088024	0.763355758747057
1582104889	3.27630996349667	4.43045294065554	3.35921976678939	2.78286438494974	3.31443999228249	3.39819028441593
2069481287	2.55613446514946	2.55651132294226	2.15647196178955	2.29582289279017	2.31729108824689	2.49009853815863
6303718394	3.95462734121651	2.79042519975373	2.98546572955206	4.48001420080892	3.00407998557527	4.48157417207227
9141431443	1.16925418517818	1.50375599366303	1.47278041626824	2.07040112547765	1.8411043745227	2.09228686847386
7698711959	0.92689080799626	0.947923874728432	0.720883894288291	0.683429686795361	0.576774463879427	0.712133033073799
10614837791	-0.266917677397648	2.33753033761638	2.21810707828194	2.11595890166272	2.35097774210804	2.41649626196372
3022388365	2.1334960633945	2.56749166603583	2.12318491771813	2.11283353595899	2.44302120254111	2.55148494204873
9747037562	0.973602292935749	0.442753924665646	0.978445196732718	1.52921721648121	0.891850144719445	0.964333659920061
1456715409	1.876031576954	2.51453656048663	0.781493499100438	2.07252079223209	1.5958461234444	2.80800971162033
9480625893	3.69433070710011	3.35834667139086	3.71546677586284	3.77936063911489	3.95047773575535	3.76359904515379
8416420611	1.70408539242847	3.41897490268099	2.20450943566971	1.58989893648901	4.00906299441407	4.00484334653909
2599803411	3.30335484303301	3.18337277153752	3.16217241732131	3.0726671680208	3.08791446285814	3.13787068725817
9835496617	3.75093589229164	3.71592336348001	3.22689446289382	3.60404273754126	3.46677039774648	3.8447426327908
5686790853	2.96349840025477	3.01807154930737	2.7020020571376	2.93669759709091	2.62632581259936	2.81340938318867
6380380517	2.48592133616094	2.35207373008477	1.93980488166027	2.38849095469946	2.05712648752823	2.13747878627479
2838327829	2.6493754907986	3.06684791216108	3.31947633219378	2.70022661359557	3.30818478063467	2.834843313913
1497773303	-0.103550955134359	-0.648683609212011	2.95173462745316	-0.427318379696652	-0.60302804654037	0.706166578458729
8250275216	3.04296705321471	2.99206066766569	2.822715664181	3.16349809933855	3.47408786722498	3.45304328950179
3058100846	2.61222011993979	2.58242224879663	2.55482277857127	2.47155345413384	2.43044379108027	2.27991778634488
4961315093	1.54545192958723	1.32683096890075	1.70408263845211	1.80136098816346	1.2150779508713	0.963624915749819
4183315721	3.8929769158164	4.00194767262723	2.15286274185983	3.39268666163468	3.74563413963311	3.96109031385904

SM1677021_Treat	GSE68607_GSM1677022_Treat	GSE68607_GSM1677023_Treat	GSE68607_GSM1677024_Treat	GSE68607_GSM1677025_Treat	GSE68607_GSM1677026_Treat	GSE68607_GSM1677027_Treat
5467437463	2.13828277360429	1.21480312731576	0.976892047393064	1.64862500906844	-0.17083540686156	1.2342359556114
5599323838	1.16423916311764	0.905415325667124	1.53150730245633	1.84509379705871	0.835614298846044	0.427242863822607
8072576653	0.684522532666251	0.277287861149039	1.99670626481912	2.0705121791818	2.3835467326851	1.65876729402333
31975276789	1.28870202910643	1.50357776796484	1.59251418469683	1.09454596982662	1.17403254614421	0.882286594257866
2037323254	1.7280765932786	1.91694807284822	3.37949837046742	2.68928187982586	-0.235739943053157	2.73389619998571
28223285231	1.85934548926734	1.69752377070202	1.91745698687005	2.30843674130492	2.10079194413922	1.06702193287641
69978782739	0.764527950912643	0.889722683769455	0.886837776512849	1.45143942210137	1.32779569801102	1.40156640078409
2854775725	1.02950624517537	2.47579496029148	0.9896450825965	1.11515739384268	2.55366630623038	2.06889225781696
4792228882	2.54635697810695	3.12439793697451	-0.0863273962582594	3.43790368176218	1.58124137609185	3.54179209671441
3154092476	4.22058952293799	3.72353269587506	4.54616607164952	4.3140403604634	4.25489471448557	4.41097190926127
7625714155	3.17137043662521	3.28042329143606	3.16090377305391	3.40777803917394	2.87909445376957	3.64673649640969
9239245441	2.47690227063641	2.68095929141522	1.36439893948533	2.20947103508132	3.15067272109088	2.04720241699242
6586347787	1.34721773758507	2.12838704955839	3.36932099886394	1.61496214454912	3.51026255065163	3.1993408661736
5194198206	3.48227608260443	3.66194693593265	3.40620736294887	3.78450814620454	3.56416591509289	3.93727511621689
9939133809	3.81331198336434	3.79324439338786	3.59741008953196	3.7319300391347	3.4446325185631	3.73710924963854
7557237449	3.34676541624151	3.03002671397986	0.478960044792728	3.45944961376986	3.39298896626477	3.51682889151251
1337110297	2.01795165245328	0.74596860752792	0.861694069310148	1.3703660476932	0.574094777820494	0.62244616572228
7899599278	3.10398895425286	3.25854037018875	1.23607966272107	1.75423659470633	1.37038850165622	3.30124210757355
0212262923	2.80175642243532	2.56257079826101	2.22218593100308	3.51517038262671	3.00590515841087	3.45102957796356
1343081971	2.87493438986423	1.04762858791407	1.25356558182505	3.13403627431747	3.06621916709682	3.08577654795449
2931016778	2.13759055819811	2.34151328615958	2.48797337089306	2.22563414795618	2.02922098152378	1.95048774616601
3100758262	2.09872624982469	2.1264905578914	3.01272822916918	2.93039269623764	3.01035234913793	2.36816145235027
0379988567	3.33034080261992	3.61359414188246	3.53780756717434	3.64951880743524	3.43214621933395	3.68178294519668
5076256829	1.9933611300747	2.27243596764133	2.27689551158588	2.1358792848455	2.62240114023178	2.09258016610627
8535986319	2.93279934791784	3.5335881930128	2.47230521311402	2.81456896859552	2.89143552293119	2.97223157218153
5505924048	1.92726396993427	0.0871232833352087	2.37759701458572	2.76465603168619	2.470364498555	3.10397133989662
9248627377	2.15297144428948	2.47741765318072	2.77758085343005	2.95671224401445	2.48353484963	2.21417966171422
0486826231	2.78507353519877	2.84754525358632	3.22225921890549	2.89402372539525	3.57768323536607	3.31163998599577

SM1677021_Treat	GSE68607_GSM1677022_Treat	GSE68607_GSM1677023_Treat	GSE68607_GSM1677024_Treat	GSE68607_GSM1677025_Treat	GSE68607_GSM1677026_Treat	GSE68607_GSM1677027_Treat
0305929736	3.17090037191242	3.44558164779802	3.81693189503018	3.86827807666976	3.8547090342263	3.74650655370231
1727547413	3.13580689778255	2.83836357295841	3.70515044588237	3.41772276930746	3.32021436108116	3.18735559440962
0235321471	3.49367409158946	3.55279549559897	3.60175705855445	3.40841502386951	3.67111419635398	3.90133365475748
8518704286	3.00161127201915	2.90562878925583	3.01224125794588	3.27382863026475	3.40837175511283	3.38424629320531
6770673836	3.28156156529495	3.12425532040305	3.56822162464726	3.20189397476693	3.2896417660024	1.97038819658087
5841327677	3.17900909429706	3.23505559965217	3.14496696650818	3.04679217727327	3.06767289981134	2.83549977887762
5103095787	3.27557140767263	3.22200906416687	3.14147006118527	3.17607515313172	3.00439305339356	3.0077395176325
7411588417	3.63201708972649	3.38401469416342	3.7075512559425	3.31149503846551	3.65072783206112	3.61574125067552
0452319621	3.91743523591715	4.02409159820468	4.5084496908332	4.58341873542362	4.6455564792402	5.25904073844053
4416784243	4.16925999882512	3.28395125605048	4.2083429586258	3.92615219040641	4.02443372929551	4.04455963318298
20696942287	0.468134375528472	0.269869863059534	0.166584669037846	0.0020608489870997	0.710490221285365	0.418875415944597
69687520143	-0.10306917186182	0.411310884001271	0.0755953409253888	0.152892549020221	0.357178697115641	-0.216825725000818
6857487171	2.7996190735918	3.14940890308173	3.40630011995636	3.13805279636952	3.4717523548951	3.37345720222374
0020815922	3.040311076109	3.21942948238513	3.69632618553287	3.34564387202034	3.65365761671463	3.46666556885038
1831175573	2.55361993636918	2.71412205923612	1.80248839569119	3.56900296743793	2.13419263681422	2.53315264120491
2310896013	0.136106967023065	0.578457908810908	1.68237586368174	0.323596414018421	0.580006176194424	2.08154552745625
9652481338	2.67069991536691	2.32006886752337	1.99306594374471	2.32824896973426	2.2051419071695	1.09837635661893
46041797845	1.25526234693651	1.5784197756836	0.722442469894011	1.685659434659	0.614346064250764	1.33147951575109
59418147912	1.40809245022395	-0.167901096532392	0.973015721784078	1.4066342175878	0.574175443567181	0.908760613249926
210309322	3.95239345511164	4.02285118956616	3.63839217004458	4.44858914244713	4.23650414303562	4.46726430055388
8219912686	1.11108950691034	1.31359554086881	1.13132405242483	0.932962437184946	2.65907698758427	2.79883163792125
7896302187	1.36181305448581	1.75181267074183	0.481014771338911	1.20181812517646	1.24945499788267	-0.0123175747102882
6102033902	2.95447157392216	3.13253832865572	2.96641584000048	3.05999898223678	2.87165748834893	2.9077477284515
5319014856	2.88970559464324	2.43662776687422	2.72702959267208	3.03913946970618	2.5265603061081	2.89975684900799
6791197795	1.89393961982031	2.78953439123962	2.26847031546794	3.12149720142704	3.32313276511921	2.55017893816877
1611214251	3.68685810471459	3.6100563779954	3.39879649079493	3.4880891637959	3.46880603692125	3.28497843861068
2087422874	4.10483689992753	4.45479703731161	3.55702247800845	4.38768253302399	4.13476740114788	4.44289144710126
2254561805	2.27662888196742	2.91138905318698	2.78506738429403	2.76009378141823	2.48665120432427	2.25759840838165

SM1677021_Treat	GSE68607_GSM1677022_Treat	GSE68607_GSM1677023_Treat	GSE68607_GSM1677024_Treat	GSE68607_GSM1677025_Treat	GSE68607_GSM1677026_Treat	GSE68607_GSM1677027_Treat
6348290109	2.4607077148025	3.23462795280537	3.35022979166013	3.34420329647516	3.17682045735406	3.01643759354105
9501952431	2.14719336538011	2.25064677767981	2.19790885033709	1.82446759819446	0.388577878258726	1.40919370254935
2634756097	2.25669221827294	0.84690954616504	2.11871992272716	1.59144581532458	1.93226999354589	1.92455908199102
7242612897	2.83339068669994	2.39981489636721	1.92511403743803	2.65331838597007	2.23028930272707	2.79314099148161
3225985838	4.19968679761519	4.0463630621174	4.2222340653325	3.81769541635185	4.03221635556837	4.300396694536
9399509936	2.57324764920927	1.58282212472731	1.54641597429103	3.00585587685007	2.14193131986694	2.65996797451098
2688320462	2.62447927092087	2.6991093858863	2.28085463358547	2.66899545669143	1.92298902860845	2.07786758537139
2867314156	-0.0946530186925538	0.780082678274274	1.67515597792106	2.36806455679359	2.79490409741755	3.33578490908379
60279386696	1.18928590308347	0.701851824157713	2.41600221159735	1.77399110631348	1.13188906122416	2.43905882565228
5213479895	4.06734463425747	0.889954774891952	2.03481475943846	3.48950979666162	0.905187124470241	4.16551011640145
7608892841	1.35142032456934	1.65241179669719	2.69943637581033	1.41055094502294	1.54245829362156	1.92688292251466
2419893685	3.31197090121878	2.08791176867066	2.67622571090492	2.81578549122593	3.79827470814456	3.72524603340733
3015183258	3.51088677793197	3.72526672495067	3.63211905832053	4.06882553272305	3.9935199271296	4.05155830261917
6058567419	3.19633900587888	3.0099368910468	3.26480215722048	3.14115376690947	3.07269703628613	2.7244881868337
3259039667	2.72179372400665	4.06546491840435	3.00885454902437	2.54074679844273	3.2089322333839	2.58128820255511
3650113346	2.22800810393015	2.96085847605711	2.94893338995663	2.73626972614131	3.39470213134676	3.4505924657861
33629189414	-0.95983629189414	0.595412886941181	1.26198470832763	0.233888046209734	1.15041425618037	0.719357646561885
0890894589	1.65227793173166	1.27343434961689	2.06845515998572	1.73794098036261	1.44168927704551	1.36808635023333
2618990124	2.57337286876444	2.61637059942344	0.699987125377582	2.98906827339883	2.17472552885691	3.30063567494573
5127137522	3.14384360412466	2.31465298101686	1.12004622186641	3.49087871221613	0.656898936224217	3.18547838250325
2098247976	3.52912866365207	3.61863465377678	3.50206872880718	3.34612936406996	3.42072176385593	3.11272548120141
7245033043	2.21286521563438	2.24859230518468	1.71770916705886	2.08258195825252	1.68688598589699	1.86873176177978
1929961345	1.85077443217557	1.54628891395664	1.40103351673395	1.75834238157232	1.71465882968414	1.44186600307234
2530924344	2.70899599386848	2.73090964690278	2.51979432155171	2.47022235744442	2.82375135316889	2.93650485363087
5762895933	1.73215774941343	1.84569652931975	1.63942429864827	1.36019879110888	1.37677471739893	1.19445508386008
8760531559	2.38751017917802	1.7881743519365	2.77380244790943	2.29688370636476	2.53517951797027	2.33881536700329
1219531153	2.61670981394337	2.42846631797297	2.52251131896925	1.48868721827506	2.50080410391673	2.04764119840401
6827198962	2.42788946908046	2.67588300552642	2.71782294394639	2.41726714925029	2.50033691131797	1.74996446129365

SM1677021_Treat	GSE68607_GSM1677022_Treat	GSE68607_GSM1677023_Treat	GSE68607_GSM1677024_Treat	GSE68607_GSM1677025_Treat	GSE68607_GSM1677026_Treat	GSE68607_GSM1677027_Treat
4154084617	2.88908995571715	3.01024965688355	2.60284897808619	2.68879535056336	2.88894512554979	3.0117344691924
8848279846	-0.243972791083295	-0.243972791083295	0.236188168109781	1.13906943732641	0.947485013671765	1.75690105624402
3696253788	2.8369702462537	3.06548113572333	3.44370937983085	3.184052457108	3.42112591220868	3.09755874040078
2368355077	4.9692451253365	4.79608498394116	4.86635454868828	5.46942678504735	5.20159408153127	4.84450708194264
0501727702	4.59957357507765	5.16509396369582	4.60249290679068	3.87591457575248	4.37276124170412	3.91611799478905
6600411908	2.13819303981798	1.97253800882637	3.82019768597907	1.82699896932749	3.68455688837146	3.04747233040975
7136874554	3.81828137476166	3.64746596515759	3.91918123956157	3.71689097097222	3.8865459128744	3.65637056581563
3394761846	3.79520100905844	3.69712209944048	3.84894343676513	4.07164764513723	3.92103451235145	4.08875235714022
0525326555	0.490823784859235	0.521656863713914	3.48294708556007	0.816095971790633	3.58662640519094	1.1581656374943
0438847664	1.65885491260777	2.20442984821399	2.24465458344889	1.72835827046372	2.16314766967405	1.44646308073683
3154114937	3.89256053790806	4.31631393875119	3.49661934434631	3.95854207103292	3.95201526003414	4.18045008280689
5273094563	2.91451861505857	2.83637974123948	2.93481307550765	2.51404445616009	2.86158788392281	2.91568959022509
4038909511	3.70653920777578	1.99358565751906	3.75615721692341	3.60037203650966	3.13127675927932	3.5108717178856
1874115881	2.68772406473746	2.72879194125591	2.39226660998539	3.18794038104612	2.93670664031825	3.2467910602469
5564613856	2.5434178199628	2.48406050491178	2.99969448612952	3.17139803635964	3.64643860681525	3.02838259806108
34086159148	2.59609041993222	2.86615273101516	1.29085450565753	2.60059052925962	2.54290809459244	2.55431194537323
2575561899	3.14597682358778	2.99667146634852	3.8057770376698	4.02608295793625	3.81494242975529	3.6700306627201
4027867552	3.43605239530497	3.65796959558587	3.53408674574701	2.84834379194221	3.62067844059943	2.79847886604091
54792643431	0.107044065339439	0.510108288397203	-0.0168911262884455	0.941007057539936	0.291528962343122	0.235426793315446
2163670562	1.8574783698556	1.54031590133123	2.22173404753638	2.05204304813623	1.9972917823209	2.08624717273307
0302256259	2.31335025233095	2.41656916128351	3.49741269802972	2.0809699232305	3.18533325986108	2.7152763009821
9267437394	0.868088441119235	2.50002946016739	2.24145459722926	3.10689624686491	3.43780695236069	2.30587502558798
7894915983	3.11612419085051	2.73100033528055	1.90550253514903	3.66777996896006	3.55568209305663	3.85390182441182
0635777486	4.30950659694371	4.27699923399741	4.29871536972532	4.42521377491975	4.52311308646941	4.58946475316397
5301853129	2.62175035293127	2.65269509647826	2.54437372391044	2.21530773884711	2.53295445919782	3.16633359643799
14561673385	1.75242772177734	1.55612031131037	1.68052215644017	1.10633271839106	1.58334817163775	1.53287852542116
6904885884	2.47192510335869	1.84288110418004	1.64104657400898	2.50691269417659	1.41804840998066	3.00420592914071
9531016844	1.80536764095147	1.36523696197932	1.22627360767028	1.28689285957946	1.62835964717447	1.53430265292226

SM1677021_Treat	GSE68607_GSM1677022_Treat	GSE68607_GSM1677023_Treat	GSE68607_GSM1677024_Treat	GSE68607_GSM1677025_Treat	GSE68607_GSM1677026_Treat	GSE68607_GSM1677027_Treat
5848673401	2.05488462461507	1.57547898177667	3.13206915070845	2.18432249773559	2.15990094734705	2.44861353383479
1944712442	5.63275850644722	5.41389763872231	4.73891301799637	5.18460348523932	4.9374567677711	5.27356852087024
1478960749	3.42374054408157	3.64239320456187	2.87530645965676	3.57384373244768	3.17105646224975	3.56195972018198
1743760236	2.75157117121414	3.59873004224058	3.30141662154854	0.697063863023511	3.70913598354499	3.63235256613027
2141647436	2.46061599365534	2.50976325235264	2.40699536950907	2.27347638063664	2.2036784755002	2.27410824412774
9371155825	4.313340480467	4.4101760120352	3.80498127157526	4.42254365262387	4.37316368226644	4.36326876361807
9056931725	3.77716817054762	3.77956099429661	3.64941507292561	3.93758118727961	3.87161352440905	4.17644139640428
3610411761	2.86923090601593	3.3501554614737	3.63611791682758	2.94550645402383	3.32966854570907	3.34701288100216
740692739	1.74524577554231	2.04644171376273	1.57807599816474	1.77378416296286	2.08912407120527	1.47735735778994
3705659893	0.385419407796607	-0.707793675710378	1.33239548318709	0.0075467598778301	-0.280923680432731	0.343663103639843
0840404538	1.55006111828303	1.58829804623533	0.821266490031778	0.632522489217478	0.813584445344	0.610613389059457
0947842108	1.57043127486157	1.67505660734454	1.77183998327531	1.8591983694188	2.74510562984825	2.92531256003588
9031872786	3.08616195602024	3.19288064798988	2.54707888606451	2.44364759336703	2.1615614391468	2.52575493949588
9540107488	3.01479901394603	2.46478672521469	3.07893507223883	1.69553163717447	0.709011078439882	2.71904134689213
9595721845	2.7771559299704	2.66980796224918	1.54367749501105	1.53647637458072	1.8887168755283	1.3428326672628
9882599024	2.63112661721336	2.66293771254114	3.02475156635304	2.66672142972474	3.04773002311123	3.44083700112264
6477981175	2.21156161541608	1.75443674908135	2.43806301164985	2.47691954752663	2.09341828202287	3.13949597273925
64606601036	-0.117980623220775	1.60523410624123	0.958250717009234	0.897902757845122	1.43375926985371	1.08198418700014
2673842159	0.763634005032525	1.82038110011138	2.68460837520297	1.83576724088049	2.18811243546786	2.13034010998088
2963965171	3.58737062921586	2.99232001224814	3.54545234737236	3.37948385706877	3.07281970288386	3.32300439465815
2142453144	6.65540324265666	6.52746866070754	6.33808365575866	6.2934578262414	6.24587227920166	6.24587227920166
9838039141	3.58537854183127	3.91175518846802	3.71755177381217	3.65025117387402	4.13744768710181	3.82911326576113
7722778023	3.00364650107196	2.83567070399744	3.15403344752846	2.95038222753767	2.98492165103659	2.77570125160868
6138689562	2.18394975997957	2.46499030913638	2.64153823874675	1.95110741236655	2.89280438806371	2.25968655687922
8749497951	1.91191586567423	1.95837280497959	2.48177582315685	1.89576345637041	2.24732810120567	1.7386383289105
4554003404	1.71587456699274	2.39372963182038	1.53711946015365	1.5388786983864	1.25353624747919	1.70618365523425
3629628193	1.23415315157617	2.3715573326763	1.57536469552039	2.04237161089493	2.38823316981772	2.93839737699311
5967672166	2.82303781676999	2.27865325015846	1.98628164014586	1.47883693183653	2.09766709789173	1.57147552532318

SM1677021_Treat	GSE68607_GSM1677022_Treat	GSE68607_GSM1677023_Treat	GSE68607_GSM1677024_Treat	GSE68607_GSM1677025_Treat	GSE68607_GSM1677026_Treat	GSE68607_GSM1677027_Treat
2711805363	3.48447371689709	3.58126177455846	3.05486466164355	3.69149783353879	2.84468466951184	2.81729843913271
8410935943	2.38604344935329	3.0553563875937	2.65216226996498	2.51781792797857	3.38873439681029	2.81592922931926
4416507459	2.51959004982071	2.20684703572928	2.45332376886342	1.95290039104135	1.85213047673889	2.3790042605397
3472784867	2.88109477562516	2.4162430781315	1.80401434780205	1.55215775532615	1.96584809827124	2.37000332682286
8570711713	-0.613946473990171	-0.437394805832689	1.96752303473278	-1.0548062885026	2.03620214570381	1.79505967712416
7449516417	2.84806405834334	1.99930772307749	2.49041238686492	2.988031617174	2.65610303269809	2.25938894986611
8138338256	2.23307153950716	1.97682362119494	1.88522625850232	2.37104965064859	1.98116783619595	1.57486176578985
0198991214	3.400755187226	2.21939658537979	1.94758760217958	2.66675765891381	2.80453916508415	2.44335882036155
9123160141	3.26229657548093	3.87236608828823	3.26367789724712	3.77996233123956	3.5923112141533	4.16927587751806
2207335759	3.79668662260765	3.16431207145526	3.68420566528959	3.86521942072023	3.91840221382449	3.65739914515025
6287075003	2.63213379769919	2.77072311316412	2.83108488950874	2.68489818978205	2.50124580424402	2.21778500949457
2635531331	3.52852905597712	3.38334526668798	3.44030184246601	3.66058301635048	3.95843125338205	3.7307551609426
4929386139	1.92617088836703	2.13230781407891	2.27509544165924	2.19948444475861	1.80288293683628	1.65763724075434
8412120072	4.03865394910074	5.19043153427521	3.35753968798987	3.70575716477797	3.54211840350622	3.98237976772914
8057000145	2.20823941278453	2.05748627476419	2.09799179621642	2.00254341206817	1.77848639000784	1.82785866478563
3679212173	3.5878364855282	4.2338824197082	3.99250333844158	4.63497259193643	4.53005797720093	4.06746388486126
8822229386	1.7132328067269	2.05236780667713	1.18767553288536	2.67379120335707	1.94896345719044	2.83113509489238
9509852876	1.47849304378431	1.21190635988859	-0.18677345689403	2.13905952701872	0.832530080945683	1.91851770211182
4845092332	2.83238041422146	3.1062662546567	2.71398814339639	2.829029195999	2.86981201056977	3.43752136216241
1515836119	3.72378564324899	3.70868330422532	3.13116733106365	3.63199918095346	3.45849005600687	3.63972395821127
2674512459	3.43850623046979	3.44996757549148	3.2091784690541	3.39998343546715	3.28697214321479	3.43234947507427
9454949023	3.53487959283903	3.60100671815585	3.40509725216141	3.47921057904609	3.20151894093654	3.3738230632332
5979940975	3.18636939926619	3.62953810206083	3.24741741145623	3.49050578841689	3.1953569720396	3.32723561936771
00973816227	0.661270536722642	1.59140459494847	1.56006794569314	1.71071784420164	1.5247179989275	0.985408796607821
1558410307	1.30236434781456	2.0488322365022	2.7601216023052	2.32962016778434	1.89294210704992	2.55457146605091
8065979388	2.14267902314631	1.98460562067584	2.03759659404642	1.68101061169108	1.42584581546898	1.24574425342359
6793504954	2.47489220189088	2.76341697232183	2.96628600804983	2.86624015296523	2.35276645519277	2.55165828157559
6889702238	1.80190299783346	2.22466071247739	1.69840217865898	1.80637488995364	1.57126966498081	1.24822347937327

SM1677021_Treat	GSE68607_GSM1677022_Treat	GSE68607_GSM1677023_Treat	GSE68607_GSM1677024_Treat	GSE68607_GSM1677025_Treat	GSE68607_GSM1677026_Treat	GSE68607_GSM1677027_Treat
8106471854	2.6152717289991	2.66006212390384	2.60571720765008	2.1842944941528	2.46262603162829	2.35119929724952
3459896745	2.17785107110828	2.42314357032303	1.54707052490149	2.8645671444694	2.12601372529761	3.20770117946446
4119440678	2.60421752658209	2.42063514035319	2.50498155272911	2.00209417994661	2.52218620221339	2.96635357820558
7936307481	1.58768735395601	0.925260974412719	2.15560949372744	2.03475695174046	2.4005020311776	2.51945940457827
62238874793	0.358254945284129	1.47547515998006	0.976827086490516	1.18297241320851	0.609732207220902	0.242281873561952
0320231634	3.17785005664311	3.38157965409109	4.05621997293616	3.12688922741169	3.30795837730304	3.70704468882989
5068511801	3.03796823377323	3.48098877994198	2.80879754604903	3.0806893298883	4.18085746118257	3.97143105884209
2613379535	2.68687294734798	1.14260188330398	1.90891826131128	2.29077966941364	1.04473352554013	1.82660422040467
0175758155	4.41448678151599	4.49813817920901	4.24811521623111	3.90756115295034	4.40180579550768	4.56628203343759
6939667459	4.20079309932548	4.45487482483609	3.61769246320737	4.03343633441717	4.10660387463105	3.99471479358305
9483036675	3.58915677205679	3.16019943213333	3.76391427167374	3.46344519154489	3.5339286369656	3.62685612157824
37046579097	1.78687797818506	1.33630294476544	2.01796938577003	1.59861508862475	1.25877746839187	1.92242195572425
6052711377	0.903408532757133	0.790472270900057	2.81119211373394	2.73356687456689	2.66515514832347	2.6480285014304
2160235092	1.87997876297462	2.53566364746828	0.847156998516806	1.53757668233873	1.90372082704987	1.42165367856915
1930058675	2.60305765203336	2.67085005775109	2.63226302086365	2.62969528983839	2.35151911373854	2.60534174526813
570808839	3.27368037511273	3.32067715067564	3.30337313478436	3.26517707829951	3.10252282093617	3.25731675496965
01598704983	1.32782632033639	2.12162445308979	1.99957116102963	1.72295397641132	1.98362848458858	1.78104080214153
8402750956	2.78410534772154	2.28590686452567	1.36359423313281	2.21512260164887	2.22758575715391	3.36233257015832
7341401825	3.20706450470829	3.75033349034627	3.86527349210929	3.39342623397359	3.65825269975556	3.27938744936232
5435594386	2.37519590137943	2.59645708525214	2.81100083161537	2.23745544357605	2.46582935730508	2.40529251039627
0491641113	1.8720484491129	1.53119469097573	1.93909166782993	1.91283877710444	2.85300707083491	2.2750458590388
26701638141	0.689502138085823	0.549207167011959	2.46689194125067	1.90757223992899	2.19726318132394	1.70688025188974
9325399263	3.526378733331	3.79354232187697	3.90920966461771	3.93267210631106	3.88970569528707	4.01904575215139
9354890011	2.20223359333291	2.68813173705977	2.13341288641278	2.20700516944027	1.92209662521382	1.91328146066733
08262106584	0.5703222050662	0.318887409278588	1.07648550220143	0.564525417760779	0.414072390003649	0.582233859674301
0009957214	2.50119645221757	-0.694765447616806	3.17274691573167	0.757840191800242	3.24036458702746	2.9867211650912
1168111164	2.54876641788684	2.64746990739682	1.36443592040345	1.969724620374	1.01584741031775	1.37162427275639
28070568206	2.10712646188184	1.38441969796033	1.11322820483719	1.009766174014	1.1985678491091	0.664466825132664

SM1677021_Treat	GSE68607_GSM1677022_Treat	GSE68607_GSM1677023_Treat	GSE68607_GSM1677024_Treat	GSE68607_GSM1677025_Treat	GSE68607_GSM1677026_Treat	GSE68607_GSM1677027_Treat
2028962701	2.50628431239556	2.19461124927511	2.16743515197171	2.50659622655363	3.2654315116736	2.46278184208778
5325793832	3.87199223396231	3.61740104550156	4.21536991376802	4.05203660722415	4.34713845262433	3.88697179161378
0326800592	1.14457652663477	2.7861427299132	0.819754944019948	1.20192159559128	0.850198981654415	2.09681120068071
4078495821	1.07146612850314	1.84842793953081	1.4532457167691	1.14898406627195	1.25891535842526	1.52655679562225
5270179258	3.38896224186736	3.24844252733794	3.2743699719939	3.24760865612972	3.11315263706444	2.87485304507023
00258300044	1.30593076064424	1.58660611521587	2.54048321175679	1.37993442945206	2.26598634752403	1.57580428808673
7262018801	2.24854216571096	2.33943238355328	1.93720414463045	2.00253372551376	3.01725848483479	0.961529578494374
1157270382	1.22906196461207	1.59424759491673	1.41111630547836	1.74970140491237	1.61765627310564	1.46176968248521
7788790155	1.03725113953341	1.83646003594428	1.76924159598777	1.87861210040703	2.6701248859027	2.68107765118305
3049330514	2.2719108250348	2.35250750496272	2.41132786789672	2.36357990412822	2.08659761780623	2.07615203609721
1922971735	2.66845048532632	2.51594704026857	3.32908875408386	3.13985070484615	3.4293767274951	3.08209229057186
3208449722	1.97522493391491	1.7422980152601	1.2153865675711	2.03776613381348	2.32733674436022	1.59546024841845
2427474314	4.43217603656579	4.77483213331572	5.43517433399031	5.06674967074819	5.15289582943047	4.35032876941637
3481559107	2.24677660050675	2.05775684791897	2.5039401863584	2.38756833832064	2.20759235617826	2.82476717233766
1846417162	3.06978330912526	2.84105655391418	2.9946316961961	2.79608827374627	2.77689724244328	2.91673923735409
8207492311	1.8753345694778	1.93900258793246	1.45078979375068	1.31190234292562	1.44978337466087	0.944863977455479
5646212144	3.49739813612671	3.44293319202241	3.38119633137733	3.42461444933612	3.13489729120236	3.18744157404867
9150426643	2.70554386322703	1.05517518047839	1.81427194916924	3.67023273925319	3.62122045890742	3.41116089350157
6158794209	3.00568928835475	2.0663426359606	2.57271594072782	3.01698623164462	2.76246096232248	2.79124151161585
7776701038	2.85340414347149	2.6631259542886	2.15416726846905	2.95698196586216	2.98134811536398	3.08522412477246
0759590142	5.04185663023363	4.04770664067883	4.53993580025102	4.84727874858731	4.33931783416001	4.83743379221805
8912683024	3.07253553950796	3.13715611925614	3.06295256890798	3.04527938611731	2.90716047300441	2.75581320060342
3969353211	2.42643069448521	3.15514649176102	1.46989713306433	2.94472175140315	3.2311692520136	2.98837220216986
8606236296	1.94915010343674	1.98218079086448	2.73354105566645	1.53085624953692	2.71209040136451	1.69424448807153
3673226932	2.95297056313384	2.67688810877794	2.9162585780639	1.70262060230246	2.33580588354945	2.2659008062771
0753834635	2.35676518218143	2.473200858381	2.49652380057995	2.4268819650818	2.51053128052315	2.12448399657324
2369667152	2.19587408540539	1.96197246761849	2.1529984085924	2.26777588962187	2.67601517509267	1.94945606935323
6876770154	4.41916276676067	4.5870265528598	4.71401320442111	4.61665551190762	4.81292259541809	4.1220910340661

SM1677021_Treat	GSE68607_GSM1677022_Treat	GSE68607_GSM1677023_Treat	GSE68607_GSM1677024_Treat	GSE68607_GSM1677025_Treat	GSE68607_GSM1677026_Treat	GSE68607_GSM1677027_Treat
3656166562	1.9494410673843	2.40493943051706	2.51489007301455	2.38200623517584	1.29342417612843	2.25366401096001
4947884837	2.61723350220245	2.37051694389863	2.34880455735113	2.34005424406101	3.34556562367655	2.5171426657929
4969508094	0.395091944731071	0.855353461044049	-0.735682846539496	-0.499540633636938	-0.615656083868204	1.61114347362879
3749469092	1.5498868961908	1.6871984502623	2.00780699668656	1.71191238662965	2.17860501734278	1.38344450482106
7056612044	0.771379863196007	0.925584833147805	0.940667536023705	1.13733452330853	0.768666612712294	1.02469317360052
7230986573	2.22632941422219	2.15849663523572	1.66463460982162	2.15230223841998	0.957474279945249	1.86090187731719
0446214407	2.09461302312278	0.875256281348011	2.12731045958228	1.80159995518447	1.47884191217109	2.05055763201703
3056787295	2.80849801872008	3.11492312048534	3.43215528629965	3.6511981194361	4.07943702766556	3.55289016170895
9312895104	3.18310345849722	2.48315206992169	2.68448308343096	3.20740701220528	2.80849227089236	2.58048374342458
1149424708	2.87475061894594	3.05932712397919	3.44770477370846	2.9873011233557	3.57540396141019	2.3729100156687
9203896549	2.04237949763533	2.26990245886077	-0.00384030664004609	0.11294058315494	1.87978423399143	0.473886704492091
4607702902	4.16062375268856	4.13192882114339	4.1065254503062	4.11104174309698	4.09191394338577	4.12588931141961
3424212014	3.21282499763937	2.91605552190561	3.25409569262962	3.203697432954	3.31126153577915	3.40251322659032
7087519324	3.32132712746866	2.76526013122818	2.98480009626528	2.59791729359168	3.14845240804272	3.09318207776185
6812785356	3.20728340503823	1.44649581438472	2.71718865176568	2.52790826709225	2.63762871189562	3.62213896779942
4417107529	1.7486480244818	2.36286065225724	1.91699938416207	1.845160009832	3.01918628095783	2.49379168053587
5323417175	2.82143994101568	2.90873866780314	2.59798741056664	3.23718970762446	2.69475265413348	3.20255044307207
7388109487	2.33480140501907	2.36080023081456	2.21396300540555	2.0779578364176	1.9463893824059	2.26708889568163
7657140228	1.16784681477471	1.29251718241641	1.89941067669167	1.38122448612617	1.82944816092808	2.32625835095073
9369688226	2.78843303334502	2.75186378365474	3.03505432973398	3.26815925599168	3.12665069150175	3.2935451050056
0572090978	2.97321790390281	2.67240097296012	2.38767350025407	2.69482625361717	2.38206994828478	2.25219985349188
3076712196	3.05768330379442	3.07441590221058	3.30988026871024	3.52177835420574	3.58666581157967	3.41278737908695
4717026256	4.0344781875956	4.01304811252667	3.6504823017538	3.71256807094202	3.45622124877497	3.2687732669499
1911237813	0.77293311259066	1.00656871638313	0.786392947361094	0.942272579685893	1.06586799640671	0.885657093913789
4553423341	1.93983422923594	2.2385676793223	0.50597947043068	2.73571744835458	2.12074581304493	3.24960891951089
5770951438	2.21482238429815	2.01438198533257	1.98384606758636	1.81951808216975	2.22613701160575	1.89459571540909
3406221453	3.33649888055567	3.11605387142338	3.47422657738241	3.15748730340784	3.36703749339441	3.27769898840478
1616929832	2.29915797281741	1.07086354486309	2.49823796787247	2.40109812223647	2.24053880687264	2.11084647309681

SM1677021_Treat	GSE68607_GSM1677022_Treat	GSE68607_GSM1677023_Treat	GSE68607_GSM1677024_Treat	GSE68607_GSM1677025_Treat	GSE68607_GSM1677026_Treat	GSE68607_GSM1677027_Treat
3348761519	1.75499242923312	2.58144519919735	1.60913968112484	2.46975431652656	1.378509341769	0.528177902141736
3475740454	3.19658931272851	3.1548716727737	1.32276515845227	2.33762736024054	2.15720966123739	1.3129751685965
6728698867	2.62396190513827	3.46798743463943	0.442512099405322	1.90474382657825	2.99817933621636	3.79896984831124
32456162541	1.49437840479254	1.5498652464483	1.09490854781802	2.47945131525078	2.78162065606723	2.74932057196393
8851385957	2.88119095530452	2.77307563143224	2.84602512428184	2.6915533624002	2.53832792731729	2.67837707341323
3307826857	2.41284085468654	2.73973455936773	2.40566268191921	2.54153430041099	2.87145950565334	2.88111145027556
4790345591	2.64960995124706	3.04020666191139	1.83495586772309	1.66156594466194	1.41006955783545	1.53600602629018
5358143719	1.88394333138206	1.58947939572157	1.59421981924261	1.36305908577228	1.18205813319649	1.16066636409404
40916913817	0.904734479451479	0.338434771922777	1.21570805720342	0.803475119915093	1.08377506578813	0.928938210465604
7701091506	3.60521128215714	3.21039175407834	3.32358544351516	3.30979318798682	3.20524772181138	3.12912514992268
6410773346	2.69779893356451	3.01153676881619	2.96717641798549	3.44444101947948	3.29981678146204	3.46395012934676
7405526978	2.92630616793884	2.78595352810734	2.57198508701292	3.30019858004907	3.34232919156563	3.58228461643027
7623131802	0.9796138717996	1.14364870014304	0.756151689029388	1.01343261856452	1.34566508779007	1.08609065776086
6826906963	4.07594623716761	3.98704986095271	3.86252678205641	3.83831229578926	3.65900918473559	3.7976742701656
1970988475	2.38946221867097	2.43051613381303	1.56326803435131	1.5992229460348	1.74979553064335	2.61183232005626
6204985147	1.81519603273803	1.99099583024481	1.40135649245258	2.00704553679723	1.65272152624089	1.96579327208907
7420440852	2.52963769332869	1.89887771686771	2.34778334558713	2.18573832362184	1.16793702057056	1.19163097850839
4782529192	2.58658156852763	3.3789643219179	3.41868291580458	3.37543378857986	3.63713745530456	3.62244983270415
8569328153	2.74732223982751	3.16327980301223	2.77499452969141	3.14756007916016	3.19548258323171	3.34837395017878
5458951257	2.62391832937029	2.31203121892692	2.80303597460794	1.43065241618016	2.87575034250805	2.0357593839353
5183796777	4.52694436908715	4.65250458906753	4.66687869261413	4.28216587125865	4.52605971086117	4.8063227593548
0440081118	3.62815746470312	3.61536229980193	3.56731339613054	3.5701329439013	3.46617367591075	3.54812320075665
1816567951	1.86827695622788	1.84841938926506	2.44940108365057	1.39536601948304	2.47567515697337	2.25365824689827
5306337072	2.46598348976722	2.02073313917443	2.52860566497339	2.75064807583117	2.72887502906277	2.84593432850877
7084364868	0.581935862796632	1.02720608195208	0.757197085656865	1.57170898483042	1.23056244988354	1.09456329938009
6837590061	1.99057874713872	-0.194470612872073	2.53835215196375	-0.266188280860272	-0.358271953582951	2.20553696899937
1959245942	3.60269569742203	2.57019975223497	3.52159867733102	3.48525958008038	3.62685775589092	3.43267791453096
6786827275	2.9768125195411	3.23968116417238	2.69699852289116	3.5112470915243	3.0921978489836	3.50661438496376

SM1677021_Treat	GSE68607_GSM1677022_Treat	GSE68607_GSM1677023_Treat	GSE68607_GSM1677024_Treat	GSE68607_GSM1677025_Treat	GSE68607_GSM1677026_Treat	GSE68607_GSM1677027_Treat
6846517384	2.58995561361655	2.43821370541562	1.83521469728667	2.80853590237192	2.50894951556829	3.02685278631124
2400102627	3.15639325757112	3.65819991982796	2.4297121135181	3.46342885973088	3.55441714193444	3.68637556696078
32606498573	1.11742664652176	0.994608483715912	0.650382577595813	1.34843982733464	1.33215735841115	0.878747409816404
0085007883	3.90063141287917	3.34210892784049	4.16108025674415	4.02601521966842	3.7623486441965	4.36980125458456
7186019937	3.7594856441665	3.67822813280885	3.56269792797303	2.83227175131695	3.73925885255118	3.82828523204634
2901070428	3.27301316816812	3.40135890593759	2.75499774857713	1.31476955191914	3.37936899515761	2.34363613147939
89146108296	-0.0184967112225378	0.279533326117616	0.394453281634978	0.108936665124573	0.21817908751511	-0.792538520077885
0259877676	2.20611890044901	1.92598596133943	2.20633335604495	1.91485698238504	1.68038144082414	1.23946643411772
6337851113	1.93241245402927	1.14268804826088	2.67422316605029	1.82069829892508	2.63794710317479	2.0767877374145
5892824502	2.21246820448383	4.11273899893519	2.33651158216151	2.07415293597894	3.55738857597412	3.7363798547845
4099468066	1.91668959340108	1.7801051158028	2.02701458149034	1.33620403364678	1.98365371786909	2.10726116710728
6292217311	2.85405876618867	2.56863098091399	2.90312937275946	4.50924384285452	2.98402405609287	4.99220265875813
5668216552	3.93000166845239	3.71236078723961	4.74331343575457	4.37408545139522	4.76837363134491	4.50789767508423
1323302734	2.72446626458401	2.79053206008333	2.6911226091822	2.77287167272721	2.40414751278643	2.4471876731566
6097344328	2.18312765839443	1.84599941409144	0.606212865290587	0.664765173720594	1.09325003555755	2.09707804924846
6526632228	3.14316135851269	3.04794123653145	3.17836394483766	2.94898072340999	3.82007546905609	2.84478850284168
7818419381	1.38125975712997	2.05057688872048	1.13130472861189	1.61704743000845	1.19585694333511	0.869475524937054
4909737251	3.06281226508093	3.05338904333649	3.31957522799122	3.2962535121889	3.10758907452923	3.21675900012184
7004661462	2.43911322074112	2.40398170193782	2.39781640745552	2.35705104590886	2.14730703953404	2.31963738795061
0489341424	1.83463820228322	2.0722922183673	2.22290222311151	2.06448754380848	1.81242800025095	1.82658099627789
3970182858	2.16490875369896	0.884347025162967	1.09488483801734	3.06462567132451	1.76622834882378	2.35687799924481
1083906616	1.76449383623928	2.39352849535503	2.12473619939773	1.7192894504296	2.62329404870614	1.66960057748697
6750391791	2.1844385527795	3.38651352455303	2.32076502261189	3.25681111134305	2.61958009468402	1.54244282200508
6518188079	0.473012236687787	1.61585428095212	0.997032378040526	0.405308391892058	1.21910388894666	1.43922775196584
7323687075	1.69244255358429	2.06663825741113	1.8996915801114	1.27097204759833	1.12979299082268	1.62705111787395
0321552536	4.17626109449149	4.01976296074819	3.62618644519172	3.68651506529979	3.60021885672761	3.94992447089444
1527290116	2.24856590883528	2.05733998546084	2.11822606135761	2.00704584083038	2.05285174934627	1.99952781025172
3804110662	2.73912029379638	3.27473670517637	3.38804330784094	3.51750550709113	3.3981653248923	3.50946061503134

SM1677021_Treat	GSE68607_GSM1677022_Treat	GSE68607_GSM1677023_Treat	GSE68607_GSM1677024_Treat	GSE68607_GSM1677025_Treat	GSE68607_GSM1677026_Treat	GSE68607_GSM1677027_Treat
8078194687	2.40950989506203	2.05156350665853	1.98401953594853	2.65850091214404	1.92194480008637	2.00452145334603
8763498516	1.22559447536496	1.15046454859534	0.932471513823865	0.878210896365173	0.693332312355338	0.951974932201146
9100535668	3.01514902279373	2.92964397028408	3.07548085395802	3.22138171822163	3.24672812006776	2.85967970516262
9514113655	3.75615502057514	3.62498376231692	3.68003380351839	3.80930062041725	3.46391309711418	3.70598991119076
2789814764	4.64139226163804	4.56341032426386	4.32545278553203	4.16988245649103	3.86271011467672	3.96600032858663
7869231535	0.840097204579778	2.14376914356596	1.87118714862183	2.20564761246568	2.76361984369019	1.74175844354415
4247379802	1.70213968259554	1.10926692356282	2.49768585413916	1.61947820864225	2.44388503351476	2.30975027977786
5232524413	3.6662743961015	3.7051380880304	3.31967061432307	3.24193671598222	3.20697554078792	3.42532407015187
3081510197	2.2650606370439	2.17477284297485	3.59734727733901	3.29706535360308	3.40447741737154	3.4588428904473
9621688472	3.45677922410114	3.26887289465514	3.3785899786335	3.25860603999181	3.16880981193196	2.95008329452998
3187801317	2.30370870016019	2.44658627337537	2.14901693658014	1.82802253720068	1.87034476559432	1.8871750458338
4507629715	1.22408529598294	2.16613111534883	1.82132378438508	1.07698928642264	2.00185133162229	1.56438348275973
2024191184	1.87052886303854	1.09975081306479	2.94553466155778	2.69324989790758	2.59767558708225	2.63059872469656
3129762643	3.76743861550724	3.83886577582033	3.41280775888516	3.41752960203052	3.23570953891316	3.44162360796305
2026876234	2.04822301363203	2.65264353931271	2.25220455130831	2.15836619039568	3.2356408344968	2.91248479744795
4919421907	3.19037592253594	3.42310772692307	3.17425237346503	2.97668030981432	2.96252220971407	2.92111820762033
9281148292	2.76185714295289	2.62710818073893	3.72617681356506	3.48582209757658	4.07969132199509	3.0521165338384
0394107006	2.98794601395897	3.38106657548536	2.7955765335005	2.82837932361714	2.8163934920496	2.93177495091558
8824110176	2.04547629276109	1.9758634422105	2.46728133335223	2.39634448362068	1.96130700379135	2.14619330312069
9421915088	2.49929461023982	2.56954840023807	0.961215648258025	1.39636680942128	0.999388911481604	2.23455677042102
3977277675	-0.0178730707484247	1.23000842379915	1.15816452861218	0.991239624897835	0.873291045073209	0.0632423928296566
2454411764	1.84926665288513	1.96414823517481	1.8580193220812	1.86406688491438	1.97682270265163	1.9337489541679
4887061461	0.683447739380146	0.808556317665146	0.794947315220216	0.594641785021962	0.351283139221184	0.733035400373936
3266379156	4.98030599940202	4.7982161355141	4.72213153960763	4.70808667912222	4.56603543630471	4.52911641938784
8249450565	2.96055556994165	3.01096017192382	3.09228715831236	3.02117843663666	2.82713582049462	2.83701198270597
5758166275	1.86968114111137	3.01934938332753	2.60509676132326	2.3033447735645	3.64492281357019	2.70724509403553
4600381522	0.225396398241694	2.88994535286538	0.339373293741215	0.480400937908199	0.621666082654476	3.40186181229249
8262695017	3.68997601143563	3.95285377919026	4.01115841585824	4.11834759156217	4.31125031050883	4.25391112196222

SM1677021_Treat	GSE68607_GSM1677022_Treat	GSE68607_GSM1677023_Treat	GSE68607_GSM1677024_Treat	GSE68607_GSM1677025_Treat	GSE68607_GSM1677026_Treat	GSE68607_GSM1677027_Treat
9408272252	2.81901525258529	3.15548742368244	3.20635051660593	2.83030709011134	2.96292771757578	3.66994698159752
2803233781	3.63439268335514	3.74054132766751	3.9509013648533	3.0192391682676	4.04745538468394	2.8416138066701
76346857292	1.54370948741052	1.72526093915636	1.25642785115559	0.953008093059928	0.301057258846863	1.82427093492847
0759649969	2.53691676710569	2.69208338561768	2.02198805985716	1.85864137708215	2.11049021513662	2.2115976991305
1981634787	1.54346827771366	1.60382946032181	1.97509491279375	2.13857942453095	1.83807555405233	1.42614575740611
8483790059	3.34103994284424	3.69164514591053	3.06561712590956	3.28143572212065	2.74019208108446	3.21286266175242
6681594307	2.4095916199804	2.26356231472132	2.22343049961616	2.1356108889066	1.99196272152025	1.72129249950531
8080739954	2.36244452113202	2.18848688536853	2.52383264364156	2.34052782735139	2.12135483014659	1.91112471289483
2488035685	3.27107329122204	3.24832014025051	3.37222372303044	3.04311793199525	3.22884587425384	3.23421585666256
0870875635	2.71042130752823	2.53697888393723	2.65565620003548	2.79056169008917	2.47775213199336	2.38060795788336
6796164313	1.82170999973607	2.20098819870174	2.13718287805447	1.821998694106	2.33693693478794	1.84684982304486
6307543675	0.11731096119812	0.538902530101923	-0.033929099308571	0.468923136006164	0.964252563146256	1.73811707059823
4867392589	2.52838726108129	2.37442229770329	3.20309530905838	3.34440236053926	3.33797540216105	3.29237920205672
7811736417	2.22256859815874	1.16885650826966	2.04351428477611	0.575499614432508	1.61204375477552	0.416708290806961
7913134065	3.04131035194827	3.03612856722862	3.20771476857487	3.34659933330064	3.37041772777264	3.50400298201097
0891481592	2.86919894820342	2.85437400020633	3.708948248437	3.11916191181015	3.56743174186611	3.63619935517414
3296939721	1.71666337639445	0.874768664076444	2.01694741066864	-0.0743370039467606	1.30879518083087	2.6968556786641
6593025361	3.16418150039301	3.76060579266178	3.52398936568177	3.10331605436563	3.89083668767444	3.81206839813199
6140530447	3.77072928619493	3.7220620587368	3.75820606960478	3.69166074717806	3.8032824168849	3.80931807879546
3847840139	3.39850930351318	3.50350782721635	3.60808952851984	3.26332953576456	3.84495306607412	3.48088762973921
3950257232	3.40166069170965	3.15635893603953	2.90329302856585	3.42497956661777	3.06091844976428	3.75035170852546
8027941965	1.5872036073568	2.45058340349305	2.38033135245049	2.46865432341275	2.41560881624939	2.8927261811436
6403936116	2.77249226389883	2.64284439710079	2.64972179602135	2.77354800673764	2.69263101724367	2.45248841773574
0387602355	2.84604097551694	3.02283129140326	2.82361253097708	2.93318788018769	2.56420999361044	2.7177733423618
3736831679	1.65069414787588	0.905343974539274	1.5520125033022	2.01588926525533	1.30923859036716	1.16840964998749
7726112466	5.27413341800145	4.99111886248529	5.92253882437605	5.35486080280934	5.1219303728266	5.10594520095044
7484989179	2.14486703810794	2.40653709937541	2.03408738377942	2.51827749136966	2.4206653347582	2.27842839343923
8762044822	1.23473799686721	2.0180805359178	1.58374665596218	1.81314804754972	1.77516866453834	2.40086959219261

SM1677021_Treat	GSE68607_GSM1677022_Treat	GSE68607_GSM1677023_Treat	GSE68607_GSM1677024_Treat	GSE68607_GSM1677025_Treat	GSE68607_GSM1677026_Treat	GSE68607_GSM1677027_Treat
9290225538	2.48366564295996	1.6639527931855	1.82790902870338	3.04920817382102	3.35174348412208	3.0946827697599
4223282394	1.43290773849792	2.0534431223778	1.82921555564857	0.763221965100657	1.85604424020953	1.74857665471708
0876242588	1.19276106413678	0.865397805052988	2.54425762691564	0.436766583017438	1.14432705256657	0.741981382623651
5920674448	2.13331326191362	2.40392836314731	2.56980274491365	2.28365773944805	2.7417472589466	2.05411238259017
6643781591	3.4456644289656	4.16406959550477	3.70757795243263	3.5716876318156	3.76127670448458	3.79447870665408
4604520902	1.6545445070998	1.7032910979197	1.62170010687443	1.9900500524529	0.991241712021955	1.10907520508305
4018202667	1.60253642480797	1.92869162664298	2.77751112684411	2.52342911996989	2.17741906754246	2.51231895909913
8223949737	4.14121165196802	3.72844163173763	2.7613880604228	3.94583024495758	3.2480929907645	3.64991953802389
4681340498	3.63799785195077	3.69876334956921	4.27175085290342	4.26432597380787	4.26650288149397	4.11235866405779
6600129498	3.90247998913148	3.66536304069371	1.79551172533801	3.61928162197316	3.82958408658422	3.9935028434406
7296674273	1.649681803808	1.35447027854999	2.29699552821242	2.47821180314123	2.39052473662855	2.41201126344094
2600481661	1.3519692409394	1.35514612732102	1.67794776746845	1.83647569410039	2.11131178093815	1.21528250769902
5444998801	4.73392046157134	5.13191537146531	4.99238246092036	4.78460587229625	5.23133454275708	4.98579316139492
3646283059	2.51748255439368	2.51437613081773	2.29927375686434	2.35537711540296	1.88040366928923	2.11710945311853
3521694299	3.26633913128504	3.54487998770562	3.27304706047322	3.41165314783025	3.25200627762588	3.04878243509073
2162626443	1.71338394164596	2.35418682176191	1.73124165858587	2.61940902751578	2.46504461050624	2.52416849206489
7204436603	2.42929509177661	2.3281664120457	2.61029616527746	3.07011770224164	2.62085862680106	3.34479970997287
5225093378	3.30486416866298	3.08066469486917	2.89544888452425	2.92123218097684	3.01974406390459	2.95145247500627
5534334788	3.0077108693009	2.74498675744008	1.13181112605489	0.613767270327387	0.128772814086563	2.5973507828216
3449121134	3.22030524150719	3.38108042927964	3.22492337010832	3.14346313956399	3.18325905553819	3.15919361635743
3599231258	1.32758127714342	2.84098222168806	-0.127386224175873	1.22538320948545	1.03493686085774	2.93554826469748
7087564136	1.31257478149478	2.10061303622579	1.8224093665904	1.10308668172792	1.56662922285724	2.06183819370108
8721528352	2.74455140195616	2.43325483371859	2.18978163645963	3.45306499360514	2.8098104515183	3.62973838595692
8483886085	3.03342329927525	1.88841626229197	3.57958210038992	3.0485290789613	3.56460031042663	3.55994683917006
2261887818	3.95389154712912	4.01842546030322	3.77837590580085	4.01600120841761	4.17003533509597	4.21153462980931
4616863796	0.193394051170043	2.62407052325558	0.29490027176554	3.14713303157574	0.863991825926683	3.36549451276733
6991936298	2.74303296069775	1.81159759811503	2.19734035531736	1.63491275326084	2.14364571392056	2.5364251514749
1982470712	2.31516008459096	1.62952563737315	2.07934838548857	1.98015101124126	1.89717438799913	2.57811807090061

SM1677021_Treat	GSE68607_GSM1677022_Treat	GSE68607_GSM1677023_Treat	GSE68607_GSM1677024_Treat	GSE68607_GSM1677025_Treat	GSE68607_GSM1677026_Treat	GSE68607_GSM1677027_Treat
37819091097	0.692930325615301	1.10629986642875	1.08868172205511	0.949354209541961	0.713067249816283	0.981435566529588
182440704596	0.559343391658226	0.157583420587305	0.805331275059709	0.246422068106921	1.23239792383244	0.527323777868786
61378697388	-0.13290830727193	0.0720962910910586	0.72906818797357	0.345244130153176	0.176710190345616	-0.243958312293483
0885890304	2.92526337082684	2.83003637458533	3.1211011635007	2.61787397714027	2.98532718319702	2.03875019900817
3288994789	3.27603471582692	3.12390930969018	2.58774173425117	2.83990292383141	2.63587188016105	2.43513493437021
1076366803	2.22563191872144	2.53242182551269	1.5811702709959	2.2866098301834	2.19257027226312	2.47986937682706
21106169163	1.61699320957734	1.50016331014289	0.682146331847965	1.31551326127773	-0.406151336367643	1.12882669859281
6554050928	1.55955575685575	1.37814053187976	1.95723996900364	1.40180348925174	1.41839707424504	1.34269375856453
8712402851	2.82686078586488	2.00152745587493	1.93268109247498	1.44075751017988	2.55085256838926	1.22064797302407
9355789425	2.4238552823005	2.56047970151393	2.61310640128338	2.87801761058423	2.93840493824546	3.23775158687372
4811468868	1.27613334193218	3.13380097384705	1.30648772158834	0.779513459145396	1.75279017427772	1.34373016298826
7906379244	0.924025281531108	1.05680039811487	3.00912066179377	1.28025315780463	1.93419442885564	2.88513237670965
0954729685	2.45409062445439	2.00424781885096	3.04600229220892	2.88842888294468	2.36698638946313	3.18953917275257
1800514538	2.23682064713336	2.77728905399185	1.01097184130219	3.5453649068299	1.13545230484276	3.6084330512954
2127079723	0.265037634506224	0.944270667117941	0.678357645813546	1.68436915265277	1.88780748235521	1.98129625534691
7313265934	2.17160838914023	2.46946295479483	1.26677835669244	2.53444373047458	2.30596745577573	2.03065014674806
6970404824	4.00699498519952	3.92589317722617	4.0872878294095	3.9914771182782	4.06601566516423	3.73488513821352
6469985457	2.70502548533369	2.46909263304747	2.49619411779146	2.23075732123211	2.47868044406169	2.53866713425052
5591682748	3.18863223370922	2.72155757131786	2.16634978892632	2.40902611741596	2.70893263700479	2.12416965025058
7762540228	1.0548069819196	0.406646911275462	1.29867988967676	1.75618511074455	1.35158139919087	0.642682254114725
8716446908	1.02143850732396	0.538009003312512	0.676110825823584	1.13205838048464	1.73936793823131	1.80742754921687
2413914061	1.94326154337733	1.93888021308249	2.50716732188207	2.23192563449312	2.1402331062913	2.03301623891206
6538646704	1.51784559985409	2.47511789523194	3.63363224261729	4.00337135208255	3.9473052003628	3.55468491015554
4725899001	2.99520029345493	2.77574750961327	2.05926147544479	1.9324717953091	2.53714667364775	2.39776963145682
9122475675	3.26882832382957	3.68752622212602	3.9108212626174	3.93268924209641	3.8852581663294	3.88997254097577
6024805886	3.53489518204432	3.70631094640606	3.43249321590668	3.30058090422059	3.15972649788852	3.23911068580761
7820966616	3.78936209296093	3.79368757999021	3.62749004726876	3.54476294205777	3.42474500279117	3.42228098235069
7060544071	0.491632368753685	1.17286748786061	2.00422326081243	0.554283827776803	1.72783199097495	0.988908567370024

SM1677021_Treat	GSE68607_GSM1677022_Treat	GSE68607_GSM1677023_Treat	GSE68607_GSM1677024_Treat	GSE68607_GSM1677025_Treat	GSE68607_GSM1677026_Treat	GSE68607_GSM1677027_Treat
24099931466	0.733727280840068	0.49745736615217	0.582870590028652	0.693150187397898	-0.240748253123765	0.332959435076626
95971144422	1.15688802874248	1.25053247069914	1.17564583855766	1.58562389035582	1.06993346319317	0.994337663826099
6111125826	2.42113534296339	2.18696146784764	2.55730307443412	1.4858031028875	2.43644789230485	1.79303685048988
50049021502	2.3998151792317	1.64564806892809	2.25270261569221	2.08569433061989	2.14142463192208	1.73376979613763
6675315628	4.15829147010913	3.94502216010462	4.05635174484255	4.23905309620773	4.06787993707156	4.24083929400069
5288142577	3.32585933972813	3.20801737714741	3.31880204709644	3.38453831620488	3.21586872493116	3.17172600023851
6794941646	1.11182421041293	2.60162979233053	2.53622127058445	2.5988981830739	2.5756492327841	2.28018052246733
2217695088	2.74189586977216	2.26323624289901	2.41648513872985	3.06655909256056	2.55623398867274	3.56116608144952
6156192504	3.29904676012431	3.51977485775376	3.19505743435839	3.46482566771635	3.38967481691412	3.57513386695974
535823792	2.27260988717301	0.862390499026516	1.88352746092502	1.50515930313912	2.5862765783519	2.25644729798656
4868265724	3.26065539424352	2.02920321130433	4.01670521917192	3.33894319685902	3.73121821738403	1.154944316402
4054349377	3.61541208875018	3.34152774726315	3.14789452062589	3.23873371378436	3.01595994912792	3.33464140077979
6220716239	5.02917596456219	5.33172025590457	4.04714606386322	4.51044142722164	4.75194527381643	4.61696719413271
4527965151	4.11796440543558	4.13558507575082	3.38282673370002	3.58411328890857	3.74884441526008	3.47106650054381
1015353117	1.29804067695814	2.55242802241769	2.19697966349768	1.68350966811791	1.28807671039746	2.10353558828644
8438806228	1.66281876442304	1.2314407074567	2.23357255698828	1.16143308556723	1.86980942099046	1.19256551847321
8437981116	2.79724229085033	2.8599769601978	2.42478938271975	2.4444209289185	2.16916924290053	2.10318575120187
5678823784	3.89005753263304	3.95597628147787	3.70115269577214	3.7331239770773	3.54138916631983	3.65070457363938
2791479797	2.07049037681504	2.11702149382069	1.28110775331159	1.6691599860382	1.21661293422294	0.840647014188079
9934742019	1.29185708817629	2.48769403108332	1.68962120856294	1.67062520546974	2.13022044955122	0.941338683968253
2426319518	2.4660983486934	1.37159306834404	1.45467912136543	2.13667043808834	2.11750536217772	2.26566704509959
2031696137	4.23050662630252	4.04595209133439	3.88196469054793	3.88593926969911	3.74057804656351	3.84936664607251
1568053232	1.96784163844635	1.63912680239357	2.39248628424568	2.15718012635042	1.51874369142566	1.98688729501234
20311311705	0.572870838769101	-0.494967202881958	1.45359078375924	0.717429689402871	0.66478585702869	0.81080938113698
3179484714	3.59127520890142	3.50718370811977	3.12887360092016	3.34534585627625	3.52784757694426	2.95095606795586
0325134618	2.35694213364582	3.00661134043047	2.41112332370902	3.60414491600656	3.28589001568915	3.84419260662395
7352161238	3.35295921598664	3.87333469720039	2.18008580628579	3.79513020134925	4.00538460936061	4.0797867859966
2782833663	2.57605645783078	2.66329159311533	2.5887657381648	2.63966565909902	2.49061214841041	2.83687389620593

SM1677021_Treat	GSE68607_GSM1677022_Treat	GSE68607_GSM1677023_Treat	GSE68607_GSM1677024_Treat	GSE68607_GSM1677025_Treat	GSE68607_GSM1677026_Treat	GSE68607_GSM1677027_Treat
5580149614	4.02589008386112	4.03054803161918	3.62763391869044	3.90786966240592	3.66569359979134	3.67057644434821
0237747169	3.67985601030903	4.30482317032184	1.8130288528244	1.86864125129289	2.31091077546033	2.37542110698259
2211149443	1.68289973035017	3.01075483266627	3.07405474845861	2.57631092699524	3.42265854257126	3.958478125562
0554460773	1.96971793939609	2.25013717417693	2.38099771117738	2.88823552033557	2.77908772459719	2.72027435235093
3347858197	1.25374637321622	0.779880320005004	1.46308063717623	1.21703541183405	1.06991999079072	0.885047323700646
0811017567	1.11493243019335	1.17096404240905	1.21375622977649	1.97645242244423	1.7151857769278	1.36941059078059
3271097374	3.81744602063645	4.05073899644105	4.14006583102609	4.11513190028043	4.46772342700102	4.1688488002747
6963631088	3.57710398592493	4.12175900032524	4.2815767160431	4.05920129850483	3.88466843081353	3.80920838266162
9043706719	2.63366623303616	2.43742773619869	1.76023729744963	2.33241318337944	2.17718554112696	2.72565946098846
1188316159	3.04766134483277	2.93833253384649	3.16343101497795	2.70102507810896	2.93821559675526	3.96183938589991
2465431916	2.47018426970285	2.44928307575948	2.69631751175918	1.92813210645155	2.39507338226835	2.67059341601231
6310229416	3.16308078634786	2.95583059501059	2.49516688481455	3.162846069856	3.38854734761074	2.80996646930588
6702350471	3.11824740052554	2.39471963970203	2.35153019439008	2.98446471552367	3.16142584550792	2.25247026482232
8890540359	1.9173986552218	1.8071868080835	2.12691863062157	1.89303115446357	1.80080753085652	1.46408488426524
6344932606	4.77609168476154	4.57500686277444	4.60108533194269	4.41416194087084	4.21124385465723	4.03942742300421
0337892113	3.06451362441285	2.80232059693956	3.04225895746574	2.97873262885697	2.686114894756	2.89549592037173
1827012847	1.56004628084627	1.68612283518169	1.73596538947576	0.911688309267862	1.4737402787751	0.97647026517274
2215392581	3.15244427351828	3.33456679701669	2.91394955322314	3.1311028759406	2.78333524425711	2.52101687475685
1087038495	2.51795035823058	2.65215927337965	1.9889388867579	2.65943360819115	1.93108001730863	2.70834117680459
7133878136	2.56308232280733	2.46288628863083	1.87560568347717	2.89761732485918	2.67318223397164	3.13024733447563
1966783966	2.3752403860915	1.74192876122368	2.94211563793079	3.01863405807174	2.75811795859896	2.65156661471959
4148959233	2.5262491555256	2.51104745156501	2.4723207614199	2.55023165481664	2.24888126510272	2.29920093279046
3239817852	1.239746881355	1.82257180233914	1.55296838364845	1.80698599866104	1.25439730926123	2.62719861266407
7114842148	3.256377839662	2.78266462987465	2.48848751092405	2.68852471343083	3.0963271245346	3.05547077386421
3541961899	2.86861806983846	2.50363569253974	2.51188336649794	2.72017566829002	2.33231083123078	2.07372652732491
2600093863	2.88982344957883	3.26142252767934	3.14434426068071	2.99291271448425	2.6428283369837	2.97124370611082
9510448838	2.82241222917762	2.68173169123851	2.76104757769867	2.54996653170225	2.52372721278167	2.33133475072046
35707724472	0.932857764010806	1.19090776418408	0.878416692401978	1.63873234677772	1.11384675179525	0.833538840304825

SM1677021_Treat	GSE68607_GSM1677022_Treat	GSE68607_GSM1677023_Treat	GSE68607_GSM1677024_Treat	GSE68607_GSM1677025_Treat	GSE68607_GSM1677026_Treat	GSE68607_GSM1677027_Treat
4885365879	2.8935819653526	2.82771333085827	2.9848066103987	2.91559651867335	2.72271373979551	2.62623801919768
3033826906	1.61080927699619	2.48243990648491	1.99631912997409	1.66395823467879	1.47289197303649	1.73737441146722
1735607987	1.60527302191691	1.31235654673856	1.79836297600036	2.84751386870042	2.01654074106194	2.10909869474489
9326888443	2.94641306502485	3.44432812895429	3.24290373623916	3.26120946472956	3.52596718086184	3.52264909622985
8383369259	3.6268774700002	3.80331240763436	3.50966313387908	3.43880168358698	3.84852948090077	3.63766548412438
93664613964	1.4944327817022	1.31419468404164	1.47560849088718	1.38447627555537	0.903197159127696	1.00717827245305
3301258042	0.763704975822109	0.906489715058259	1.82235442769524	1.48896326074651	1.81932489020632	1.04412991717674
0523723537	2.36176918661933	2.12951874631076	3.16658371924299	2.18684372685305	3.06071026176788	2.69104438002732
0887478529	4.3678504217566	2.65897741995265	2.03746693021453	4.02138220595309	3.94394269980907	4.4356033602034
2652293015	4.94372596561721	5.29047761225073	5.0298658460288	5.46324115720931	5.31947966116123	5.21508414948797
3358092493	3.65072688998902	4.0319257239871	4.25995388919418	4.12717750784175	3.89645269308413	3.85051104425832
6577636484	1.94195773603204	2.47377365001396	2.47765350821616	1.62305054173373	2.205701605294	1.90046426124718
0314210024	3.50784229597719	3.99505756199755	1.795884132278	4.11048664961065	3.63709432515657	3.90090647030252
6743511694	2.91760924579037	2.91664284966481	2.88192803192242	2.85572958186308	2.87136663615788	2.78821905942557
0285108065	3.0527792780432	2.81821863500418	2.61018731079833	2.90351750632401	2.62755555567298	2.57069229945203
53507273976	0.507451569446473	1.35414878566314	1.42890355558372	0.966157913622198	0.89555602464745	0.330369426215952
2897849311	1.53293644712453	2.09343925285602	3.56544221835709	3.05220428756959	3.49881216744926	3.24926793265961
7197908796	3.13729709481973	3.39480600555595	3.16058065094784	3.3200921897065	3.15110199124944	3.06312901998322
3330186938	1.86256680108622	1.2106301053617	1.76630019540509	2.00282168007007	1.84728794978061	1.92794277174048
9741088325	2.92266106587903	3.02658350516411	2.7819300539259	2.68899184645356	2.49541318197879	2.63883582234693
2835567213	3.62888692881609	3.50853684438286	3.20055441935565	3.07575872148641	3.32994255592256	3.62223046951464
3841741368	1.51753227435769	1.57838407130124	1.4444567566427	1.70475162927418	1.01439901222877	1.66829112627653
7973366185	3.15948333555002	3.35563899220654	3.48360515152428	3.28490315461853	3.67927777591266	3.49765002055445
9997563314	4.18817352851122	3.93017939391197	3.98924655097684	3.86603555794618	3.46898589885928	3.64553933038381
7973071481	1.61797833241466	2.75356754353931	2.63206724118284	2.79319759083867	3.0561637820779	1.96664786408736
45792031341	-0.196416654718062	1.16783177072703	1.78245454211298	0.912364612798643	0.565201215003303	0.754984368309055
8024181399	2.2162037664159	1.99859709998568	1.94156486064439	1.36565474899084	1.97232620119872	1.79554196372539
1809703079	2.96995670116439	3.19850894705919	3.18145281536753	2.77290877892117	2.89687286452377	3.783834334721

SM1677021_Treat	GSE68607_GSM1677022_Treat	GSE68607_GSM1677023_Treat	GSE68607_GSM1677024_Treat	GSE68607_GSM1677025_Treat	GSE68607_GSM1677026_Treat	GSE68607_GSM1677027_Treat
8082112723	2.35743071550088	2.59227414761727	2.51732670777565	2.21020801693002	2.39987430407021	2.72085029772953
60313376359	1.67651151010023	0.330454052019559	2.50072918324618	2.2924086685061	2.45874047275314	2.20106752422324
0424087124	3.58532501044372	3.36684528384526	3.79541843531805	3.755108564641	3.48245388142165	3.66046984411636
3342451222	3.67295917765452	3.42436280408459	3.77754099418451	3.73839055367763	3.87077943847323	3.81399081218316
9272246242	1.88401308128755	2.44663039233953	2.09178541064564	1.56636453208019	1.87477851204154	1.87862412292277
5013124609	2.42097163906006	2.24991220648949	2.36390281129856	2.0030757978837	1.93304086903723	2.2720107813917
8169913761	3.69226324988065	3.92383529298769	3.74743406182444	3.80362905840324	3.82505266268695	3.27946785826553
6047758158	4.09161362789934	3.55066052478594	4.2059290645489	4.38860016475505	3.93817851393848	4.11906901864269
2746489507	2.00862489125387	1.68925077972565	1.41843058175781	1.94253618282794	1.82046903069325	2.54770362331502
15972089058	0.813960040181322	2.15938826833481	1.40406117767755	1.84791086151245	1.41817384913523	1.18206761086366
2977743269	3.75015957976063	3.699596568765	3.24671551245808	3.39142959468046	3.22930318723344	3.43950110053489
96157814001	1.44549097077701	1.31214141028748	1.15733708849665	1.36695597462233	0.808073499119961	1.83177934862638
7750596787	2.81066712980906	3.30560331524874	3.50923691849879	3.59457533204483	2.10866858126171	3.86080746840589
8346516841	2.32452519049705	2.42140239747954	2.95835185058716	2.46284475329961	2.49901284584931	0.741559441361111
0947023936	3.01365022927976	2.8466803851141	3.388266869375	3.36104958041774	3.49957202532611	3.60105107388813
3230850108	2.76787924402173	1.18169677611158	1.98211539629797	3.17371092388765	1.93942991619006	3.44944178241609
2937895635	3.21895781785627	3.22038524687277	1.1813334604595	1.98246011286959	2.10862379975384	3.25936026593377
5170162502	2.84455280624527	2.14504427599369	3.32038629322066	2.11646834808337	2.96422705635767	3.10525148574377
6084287981	2.82394321480016	2.83513325757728	1.83901099457675	2.61082973502508	1.25675027606732	2.02070376736912
5931004438	2.79734919402142	2.42210100024228	2.00617011889194	2.15984023471666	3.25634276403489	3.50016624256648
7106867405	1.76149248307995	2.6755421661312	1.23754564232763	2.02134629702835	1.5610228576049	1.75934818794104
8662351361	2.96590663753954	2.6804808734812	2.46332874147015	2.64528444460986	2.32697224563093	2.66831368911264
1480732962	1.97965276173021	1.94424417003204	2.1047835649563	1.68743636661134	1.42835552314175	2.50182936049272
8642923145	2.56614604851311	1.7395851695658	1.70337942853949	0.930773646989521	1.46328262563072	1.65018782968286
5190735734	2.70033890543436	2.89089033779689	2.28791385840315	2.68584137640419	2.19871850242619	2.40778138993249
6276134703	2.24483647020037	2.15514808567451	1.9385778011978	1.98783438387317	1.97187057589367	1.43481425699049
9501800515	1.86802490732894	1.82415175198861	1.89550940545168	2.1030156246179	0.737584443929023	1.0830831954645
8393496148	1.48418818683137	1.43482040249456	0.89914712924494	1.62787160971515	1.39231236653336	1.27639136682119

SM1677021_Treat	GSE68607_GSM1677022_Treat	GSE68607_GSM1677023_Treat	GSE68607_GSM1677024_Treat	GSE68607_GSM1677025_Treat	GSE68607_GSM1677026_Treat	GSE68607_GSM1677027_Treat
992013508	3.30000168343137	2.20752328257986	3.04308340908723	2.95748558563683	3.2027334343841	3.39631273230247
6911422768	3.55076301003936	3.50555620083804	3.59623946398314	3.45093058442322	3.27562515687485	3.44813515100026
6808030304	2.65769275772115	2.64381103718509	2.5132730224958	2.46240992301839	1.45723841270775	1.75793672772571
9594411289	1.95224697504311	2.00674773736673	2.2113576921112	1.94901511932621	1.84434860413106	1.67817916243611
7681092497	2.56036979612405	2.636844868657	2.02851965710779	2.0070284069508	2.63163689157868	2.66908736770532
6147794768	4.12870887606065	3.61212899033511	4.83376503669375	4.9352339042112	4.77641084615047	4.89957791691957
0828462415	2.42698616374947	1.14205100024142	1.48480201922943	2.22229978283839	2.12787678684597	1.61352985780089
010009463	1.84432528606001	2.34499997310077	0.229081568086381	2.32237572229306	1.49428468742054	2.02558705360692
5002213618	2.39562499731464	2.1467200869788	1.20872652659931	1.4716839986942	1.82291803502577	1.52530590332009
2989664461	3.66869217479572	2.76668134651138	3.35879231038915	3.96704583757803	2.64704440973088	3.46853108011329
123646316	-0.389695693014828	2.16573913075095	-0.229171259027112	0.717550278105628	0.243058987533663	-0.092261018235527
4003016923	2.89108539820391	2.95546744571581	2.80309982237172	2.86177349504901	2.33130183589864	2.18963025901945
8148537972	2.82165560972692	2.81869537821393	3.30348401767516	3.60796925928287	2.89514711095319	3.43284208523308
4550103988	2.90516048514354	2.4877410060418	2.39497831836834	2.31947856971126	2.05093494744745	2.38583789720781
6052833046	2.57449802494832	2.64030379421622	2.61793567837504	2.58703831753064	2.4555179207973	2.29347899214938
1527917745	3.31963102814455	3.04254928638657	3.60043786825492	3.11617976117379	3.49633751765607	3.31713679380607
1890782973	1.78506070531837	2.46650449387715	2.50349954319522	2.16575470462782	3.09324543894732	2.95173547599831
6159850313	2.84038581720964	3.48817910421697	3.69091317613125	3.34651427737742	3.88440724516538	3.58049445235002
2292445449	3.50472589470546	3.57605837773753	2.63373786077884	4.06212066337976	3.70853285889853	4.22306719989322
7705850456	0.936773095617404	1.88821535396469	2.21310300880195	1.2279727504851	2.29011396294688	1.9160801993777
9799130544	1.82713833585979	2.13609017502424	1.85956838973158	2.06012105392027	2.10305373366298	3.06916705329483
1289595164	2.79173595789893	2.8577118848062	1.85882611128156	2.41066690067836	2.49469058291942	2.87163315483052
8720601662	3.19208984243636	3.18135363296173	2.93694631362575	2.96325688749064	2.90526816851744	2.74884320333987
4952359882	2.30512287872413	1.44951503805416	2.4380873341709	1.85740149673815	2.27325786745507	1.80491555220968
2212346615	0.954974898833023	2.74433198225072	1.5380445996457	2.0332770001285	2.51346003952301	3.30007329749881
7549632605	1.90781972430683	2.67440392895076	2.73662715549932	2.69346857891888	2.90545014857874	3.04889419755233
71186454968	-0.496190615293702	0.975850356954563	0.778830469208171	1.42461656213607	0.818002468929756	0.399083778025921
7779841458	3.48404321592014	3.62876382955433	3.54700225792057	3.60294219237177	3.96091730687001	3.45075330078846

SM1677021_Treat	GSE68607_GSM1677022_Treat	GSE68607_GSM1677023_Treat	GSE68607_GSM1677024_Treat	GSE68607_GSM1677025_Treat	GSE68607_GSM1677026_Treat	GSE68607_GSM1677027_Treat
1756387742	1.92212209711394	1.48630837664579	1.59013451512198	1.19194604704551	1.02199069297072	2.48862392945345
533558545	2.8836887194162	3.25880137205026	2.62532765651839	2.52716613736162	2.96989002091533	2.23626033302393
3606701586	2.4381317330164	2.52841560199657	3.04928477949073	3.19308602494848	2.67980774913404	2.21751440285933
8960989481	1.11100118435504	1.2690210233409	1.75778740149333	1.37504625446233	0.975580347663764	0.899659824495485
0501648448	4.76414444862616	4.06313032695315	4.05546992822171	4.3300720921254	4.43796076076951	4.01419278306923
3578177437	1.46989838977611	1.89899251851233	3.31282352672714	3.2711960219001	3.15493392644202	3.25608073112345
2517967971	3.38034323114841	2.70992167315783	3.55341753748748	3.44076369619456	3.38260533700953	3.56225164795477
1903520524	3.20041188119879	3.09456934700132	2.83315052942041	3.28460344272526	2.94208909265682	2.99154362463704
3207454959	1.55182850459273	1.69667348616117	1.90419560039924	2.33847480356587	1.49503594819891	1.77815041307678
4315414348	2.48207308790334	2.66913218384982	3.83038649853616	3.01878632237795	3.49368053878149	3.13279871101785
8801285735	2.17151303507811	2.60266648182907	2.78225195883992	2.4481763387641	3.40636574087547	2.87955295768837
9151898972	2.16678561388269	2.70950966968264	2.73753676521514	1.98575278635083	2.48247250530117	2.27245211069701
4503357258	2.65724061973006	2.23137487425252	1.66198629652433	1.53763547046849	1.05456327327335	1.74859405844702
3705636772	3.19458439982559	3.2388936061821	3.19877054254432	3.71921951326103	3.44448796960732	3.78986367978362
5838688482	3.55934352032545	3.35288379599885	3.47978110152464	3.68968952324077	3.30047388849168	3.87771312412608
2429107623	1.49433739219926	1.48180661731031	1.45996555578644	1.03928035597568	1.39145528328358	1.9141273254183
8037112636	2.08892273762194	2.70063446083155	2.88617476590038	1.98623316514281	2.70638498261849	0.952118877983765
7128281458	3.70110496245392	4.2124539301912	1.63345534871977	3.8043602141445	4.06064790085279	4.08463013724884
9537237636	1.72588746985057	0.952566121161971	1.04608613647675	2.24594541788092	1.92271744976911	1.52916934389337
3612655342	3.76228639940007	3.85735222588722	4.07581301162328	4.26631377859479	4.07249147434762	4.06007906055952
7275406891	1.80329214818268	2.24142045774978	1.98873692023896	1.73817230349391	1.90025964603867	2.04535921809747
7858113229	3.23663275370932	3.38680729651048	3.03460884469942	3.05375660716622	3.26855168099597	3.64770731969389
654013564	4.07208705834195	4.24988679887448	3.89401092340724	3.98798660484901	4.17641733464784	3.82030456650249
5609297102	1.67193165509673	1.96222460699098	3.59337842633423	3.31082642681643	2.50188703079747	3.24736568128342
5338135678	1.71290291239742	1.96490950626283	2.10150730577678	1.89941347861381	1.42300537097273	1.78611098453939
2131108024	2.87002648190232	2.87836142908007	3.17320885386644	3.11842472987744	3.29976863586797	0.163172593232066
6247271338	1.27169735634481	1.33174217279822	1.1490337196404	1.04185149230329	0.721950554117594	0.750353569658343
11703422209	0.0310059258473897	-0.0379363145815046	0.520397600588444	0.327574021226867	0.276323686400239	0.145873078337924

SM1677021_Treat	GSE68607_GSM1677022_Treat	GSE68607_GSM1677023_Treat	GSE68607_GSM1677024_Treat	GSE68607_GSM1677025_Treat	GSE68607_GSM1677026_Treat	GSE68607_GSM1677027_Treat
3529720546	2.26524564709629	2.79349468022957	2.82336043780171	3.28814636607328	2.82935575555548	3.89759524952855
9914387522	2.62009351173935	2.73501783190982	3.17187130496163	2.92851004923827	3.49281184373067	2.87383335104052
7492467702	2.77158718083785	3.10874682035728	3.65933198602416	3.85172132533435	3.81576980168193	3.67304015209416
885289643	2.64245136532978	2.79585221185732	3.1904851541253	3.673317099683	3.5774166489187	3.84735520307887
5898802836	3.10292066232016	3.00701984828223	3.11447590293518	3.04498582410447	2.81256640880913	3.08768435900526
3069307787	2.90456390029846	3.14721675468546	2.82189537968652	2.88325473859903	3.04496098468536	3.28617701391149
4310993729	3.16691217197668	3.28265378635979	3.45212064724324	3.2189563714761	3.1893643284124	3.04566098148207
0244901936	2.16374016303359	2.29144195583274	2.32485126796001	1.7997106056812	2.26805431714868	1.54064141577962
5861499485	3.36403098112473	3.82669618058886	3.00153136380307	4.09213396332914	3.83823179083628	3.85641722635284
9117671388	2.50221970654356	2.6252121612699	2.09485176506587	2.81469645897641	2.75375191845857	2.38633433461312
51472004068	1.29048776663315	0.38326675685418	1.62876320930501	1.61474870240736	1.02035398396358	1.55624830724321
30990988455	1.6572798033525	1.88736084417784	2.54581588587772	1.63708924987956	2.88266346714313	1.77631719868312
0506219149	4.44864818117999	4.18348434883632	4.07511594807343	3.77820226938032	4.08296856190504	3.9870607678292
2960258276	3.96087979619079	2.45013927814019	3.56003023789203	4.24822366357911	4.09529731354425	3.93964309152338
6282477226	4.36110507558922	3.80663033963905	3.79125300917485	3.31589391283751	3.87352524401824	3.57313257052639
0178020519	2.03004381912022	1.29322249606069	2.14163790420064	2.31774378915957	1.30070225151303	0.975444599761704
8827695584	2.3817029129119	2.27874088378831	2.38073467269866	2.34005404234695	1.97952213553056	1.65025361941228
6916890311	3.56306017865283	3.55554411904072	3.48059487787338	3.43391719981521	3.28281581910993	3.48510125385698
0457158483	1.95617266975867	1.51111359739818	1.80504736570701	1.10119498331253	1.19384737595696	0.464024525565785
3258125169	3.30825957590117	2.19564379968178	1.80251229025502	3.19095556794136	2.14869209359172	3.51951362948427
9655632305	1.59912187798767	2.31027612459294	1.21031713286776	2.33702489422373	2.18673517243491	2.38138892852973
0078335226	3.51123810679514	3.22657821356606	2.64775550344291	3.0169586529438	2.64988798733859	2.72335545835534
7888242502	1.74724472236889	2.03522058612873	1.92871546528844	2.28248394834377	2.03229430395929	2.28463643982244
1332360062	3.89876777697313	4.03493196299914	4.05340112353248	4.34697647472071	4.19829037365842	4.37417893019307
6789508042	4.74714360017673	4.9128348659995	4.12407919730288	4.904948203617	4.53234259633823	4.92375423665125
5186339728	4.07615702377105	4.36301262294948	3.72956311268176	3.56067472815062	4.32115847556913	3.65645969948573
67424284601	1.53473651133889	1.54838789884157	0.876520099696328	1.25674663035808	0.964106118124731	1.34432989718569
3960983414	1.90176018414508	1.07437266058639	2.76886332442015	2.57924435495898	2.30814584013685	2.84624152912378

SM1677021_Treat	GSE68607_GSM1677022_Treat	GSE68607_GSM1677023_Treat	GSE68607_GSM1677024_Treat	GSE68607_GSM1677025_Treat	GSE68607_GSM1677026_Treat	GSE68607_GSM1677027_Treat
4977478904	0.374475760865893	0.459413777916349	0.672304200200572	1.40993854933159	0.179165963429894	1.05999689519982
9524670722	4.67366631617979	3.76113895357873	4.8933896271389	5.19420444581251	3.65178568059699	5.36436181040405
0065182522	1.47713668907381	1.4857244197571	1.35216365558232	1.64553063749153	1.29399424073495	1.27987446278273
6779669032	3.46794384447654	3.77133332184535	4.61171348264036	3.88655623194427	4.23268464461291	4.13211711765671
2072774867	2.61662645131081	2.61511702675619	3.546589487718	3.00421917521102	3.53422305051421	3.46672945287818
7538614809	1.49327138220216	1.35272435757142	1.59015877629196	1.44157371759404	1.59594642106478	1.3626158935253
0694917818	1.30842082341952	2.05646423808781	1.40546105779842	2.26066846036968	2.32135180176926	2.95397969103004
1966946781	4.65876194976869	4.05832687003047	4.06265039595737	4.17578372650779	4.09428683019654	4.42725268467741
3129080591	4.28279736663694	4.43541088616233	4.31872108747556	4.27074983611658	4.56243177673457	4.15231025542062
2619910247	2.66975567992223	2.32545146909119	1.99460966677199	1.23592086984173	2.04044033019713	1.98050460446739
3185145076	3.21129315453171	3.32667714482085	3.05481675630086	2.92673739582844	3.19131362924573	2.94229136076697
9109168193	3.51183758336507	3.19087932915943	2.96144190468274	3.05918024588219	3.08210307125477	3.09690100856379
7251853356	2.18772420452692	2.27269868769325	2.76128715225355	2.704481771046	2.39921472226633	2.05695358300514
4547888603	1.61026583837731	1.59219912983376	0.505545547466991	1.62502963741845	2.1310290984819	1.75843655728846
0799039872	2.95509220263029	3.32881671169244	-0.356097538251118	3.45473666701058	3.03217899583347	3.62339324470398
8094015446	2.62439578723245	2.58022029200011	2.48893153982626	2.51895263615935	2.13917066538359	2.41868720697988
6261968646	3.20410432365718	2.35555060556791	3.07561030855779	2.33410749074554	2.98654526487315	2.60579438907512
9726035466	2.33242487411993	2.30576771554184	1.17007760474075	1.52170059115132	1.8025624908214	1.62453365603564
8932504639	2.49343008804311	2.8137160193398	2.23654371587708	2.66225880927756	2.58388568129795	3.1612644782174
3636516734	2.78036771778781	2.98028669597405	3.09279908833422	2.80774811656118	2.75404420228652	2.9485058793258
1198102514	3.35686761376065	3.27692137698457	3.79057756614592	3.5946221523283	3.68506789187769	3.67067885650952
9884256763	3.82262311428587	3.85879941969738	3.67794344603454	3.68515302387321	3.59053683485531	3.61597297090543
3744060163	2.29943477983805	2.40605270666883	2.02022035671884	2.1450434410252	2.2301048632282	2.31122119733438
890670167	3.93865613656451	4.21032687549252	4.03515604177946	3.69381154491486	4.14972784043834	3.58428157752226
0471911937	3.6873062884481	3.6111951589364	3.94853931503831	4.00079791169929	3.67306068294723	4.2597688118336
0638688159	3.46463797857014	3.32635254019053	3.49987274903709	3.47379781847108	3.28519458261286	3.44806409707053
8877416725	3.09250547535745	2.75071979936504	2.63209098835582	2.39840408307152	2.38033055304029	2.45297462643716
0516799987	1.33471626480851	1.62391380925474	2.03048005426453	1.58465098655706	1.58680519932301	2.04756607146405

SM1677021_Treat	GSE68607_GSM1677022_Treat	GSE68607_GSM1677023_Treat	GSE68607_GSM1677024_Treat	GSE68607_GSM1677025_Treat	GSE68607_GSM1677026_Treat	GSE68607_GSM1677027_Treat
12918254692	1.33272998632564	1.58073791838009	1.42398579333925	1.58875740356076	1.75814641810908	1.09203573640358
07861742447	0.0010270768016133	-0.255716984368037	0.120415060683766	-0.485614196976302	0.0165698458723141	-0.130223936921798
5010365165	3.16860494303521	2.94931416728508	2.31258625363883	2.8139108383082	2.25832826100745	2.47977672891656
4612015773	1.53588315240263	2.64587549905774	2.33429893357932	2.84629230754814	2.94080923511794	2.76506319082142
9916728728	2.89444067118394	2.63860312699858	2.62736044160675	3.09292059852139	2.72093916962832	2.93262519481433
0669476696	3.90645312046425	3.91610216215899	3.97825349714032	3.54649802588537	3.82441652683337	3.48298937577562
1038344577	2.73658240208418	2.48791823647133	2.95876679047223	2.73652113505658	2.93779455798522	2.60452988596526
5542146081	-1.10279396474341	1.73668586489878	1.26734694383722	0.706364443830956	2.25010369738386	-0.232047997836682
6900900471	2.76163552316525	2.65791452815083	2.85376431846496	2.38162785444998	1.24625554576681	2.51690247695261
0678580553	2.49823942371506	2.92725500657255	3.66485741666538	2.96615003529318	3.41462545458842	2.88168217440294
9915238267	2.7259424734224	2.5279486769993	2.91816197028407	2.77489257947702	2.84917315485978	2.55965782769524
833351469	2.83900593751841	2.19798393150156	3.57980926335718	2.94809071475238	3.44574228346045	2.32868335325646
4335203354	0.418172816143391	0.430713324151539	0.960348306473157	3.5261553839416	2.46595218463607	0.65966699989391
9355863166	3.04932222532905	3.51032433893344	3.97342477740468	2.79772718741731	3.93529181322042	3.90139648471205
40928366702	0.340400062958439	0.725160155696827	0.781480728926463	0.725160155696827	0.713794038342745	0.681828664471827
9945369071	2.81997642740332	3.08002871705816	2.83659931362041	2.37345712561098	3.03151446544878	3.03609228305611
4832320376	5.00953951859285	4.9035249894343	3.49758263051418	4.12017858501883	4.27858363388171	4.23178547797796
2143098948	2.316400616367	3.16709885234974	2.11548320169911	2.68718851924323	2.62414704057775	3.11721062949913
4438121829	3.4895556093995	3.80679065537638	3.79277413004393	3.58490525006231	4.08313921440392	4.04448447646362
7149016466	3.4178696459115	2.37215660812295	3.88925390285647	3.72694051389968	3.83154263707475	4.08340189476981
8374131573	2.87466962985862	2.0292400700917	2.12622378991541	2.21714491969447	2.2631242514692	2.15358327089644
6011824161	3.56780837655259	3.16889832532895	3.85201922820704	3.57976137539122	3.86642237343381	3.7139041386802
1718564792	3.46549734876233	4.11565460174986	2.5022457862796	3.46337498145647	2.97819953692975	4.06130000671048
9477357297	2.61437115882941	2.6819533929554	2.45182557250425	2.51630112843286	2.44759293689891	2.53832210771792
4416551288	3.1136394316635	3.05493820583004	2.76101618742451	2.5891472773638	2.68332768329512	2.93578295714981
2606930358	1.39458553727823	3.33249180686366	1.941760323339	2.0693470608456	2.51686925285858	3.14871356462792
2434681329	2.86623230015178	2.80501946301886	2.82765086848815	2.79095630632895	2.68660460078347	2.96019027898273
35102657437	0.640439156674968	0.571605172980333	2.48867428257028	0.359668104775233	2.74880981891967	2.5630909428157

SM1677021_Treat	GSE68607_GSM1677022_Treat	GSE68607_GSM1677023_Treat	GSE68607_GSM1677024_Treat	GSE68607_GSM1677025_Treat	GSE68607_GSM1677026_Treat	GSE68607_GSM1677027_Treat
4748008477	3.4190470609522	3.47168714481465	3.23016169061735	2.97996361050479	2.78744631376471	2.87491262100551
4830480169	2.90979101653695	1.43949670391807	1.46759530380511	3.26783065404191	3.3054983838755	2.18734466524562
9370808907	2.82518769264612	3.55990688181651	2.40754500476111	3.24906762698512	3.24213287609482	2.86729200204176
7519976893	3.37970244943716	3.96634597706176	1.78212539527625	3.54580585111782	2.10915828631248	3.97895317098636
0258482264	3.1860392760999	3.09566549763237	3.11441871259517	2.99532236909071	2.85115113911125	2.88511800036782
8767431148	2.54027561024568	2.48871230771601	2.15860344243128	1.90385705750734	2.17335356321599	1.77488201556374
3749015078	3.31128538433258	3.17666684966051	3.09139986423874	2.96805485227503	3.05727382454044	3.16671624453905
4618332641	1.49684373041558	2.19129138300262	2.60213014439711	2.02753276624087	2.59105738643314	1.85496022811999
1809071249	1.02125985096388	3.11817981867402	1.20187239565999	2.01105114706716	2.4174031652376	2.08728711360405
0203524401	2.17244651930863	3.20987801777127	1.77262081692859	1.93106776077511	3.35235501356644	2.28994416946078
8916120913	4.50932124707195	5.14162092664558	3.57550116038743	4.4161542148055	4.12141779820338	4.80782182793593
0144790781	3.68965606948814	4.07175664323314	3.83247303417641	3.80670230047935	4.05865616758065	3.83583113244137
6096703146	2.63220424818644	3.29826220682092	2.49833981665142	2.27158398668055	3.12173528213676	3.31832168018388
9450881768	2.83683970684863	2.04923193745946	2.62053730657115	3.21649450881768	2.36811076892757	3.32589018542068
0012740617	3.72709617978659	3.68407475044956	3.98710040440855	3.91183165108258	3.84553352844994	3.89158871000213
7752191872	3.48679826341861	3.46122017327279	3.28150059810167	3.34149035522057	3.00346201784333	3.29240592039388
6436266018	3.37498004870531	3.19162805824965	2.84153381211101	3.07217858481323	2.84025267168248	3.01151357848431
5623753016	2.1507206752854	2.16118507567828	2.5934144063074	2.50074513215544	2.59921922331676	2.39133045759114
3430482983	2.47441730530287	0.737310106015466	2.33289460305542	2.51734402515791	2.34717349488634	2.11070724635253
7945149888	2.78839109015622	2.87659386641378	2.37092696083997	3.32698045020703	3.3433762184753	3.07151333202652
6180681276	2.79070233793409	3.30424102093256	0.583080145361411	3.3325337444682	2.33310348806665	3.28150112843522
7586050266	2.47065511455369	2.17858839063088	3.01123891553	1.99349031429889	3.27692957641271	3.28454958427005
41575973091	0.781256194989426	0.760238040845249	0.733616477130336	-0.86042036036835	0.545644351305672	0.257641748803082
8736175281	1.9399365566058	1.99731280000993	1.81813975225584	1.84189368839784	1.96365142306816	1.64410772032845
2444603313	3.48879667418146	3.32227350436174	3.50259286371648	3.96126333549251	4.06694134837127	3.8835161265784
8620215619	2.8011407840577	2.80889478180331	2.76090201891995	3.07453344947966	3.31688639737217	2.63235957655949
2984640388	1.80838278457624	0.63813733416093	0.614726917532926	1.62608185512406	0.815985259870583	1.79585381999466
1420747179	2.43377801532211	1.82425307251522	2.58980036838237	1.64412356983274	3.06172789626968	2.39732111506009

SM1677021_Treat	GSE68607_GSM1677022_Treat	GSE68607_GSM1677023_Treat	GSE68607_GSM1677024_Treat	GSE68607_GSM1677025_Treat	GSE68607_GSM1677026_Treat	GSE68607_GSM1677027_Treat
0679935626	2.67559845982383	2.05173200962581	2.25798142898724	1.7126080244463	2.77940332423656	2.07844562630255
9109991682	1.62872947856038	2.8659862898454	1.2570844237478	1.35228584621564	0.852234916729722	0.608145056647589
0294999082	3.27894312380083	3.1542177670098	3.31451504692464	3.31339909118831	3.12201495284037	3.13568589891739
6245562395	3.68510608903985	3.67746564444693	3.50553863864621	3.60421305927758	3.59806936633882	3.96307582023159
4085410084	2.81058093414948	2.9075218875399	2.43924639990164	2.46749484098766	2.26153140075316	2.33882125964931
0592924088	1.79038140946644	1.56504487647993	1.93128283727365	1.58031667816685	1.35652771020644	1.38387118935389
8194759189	1.02377978048601	0.686958934753467	0.350621337887506	0.473682538868883	0.657114740721993	1.44174920073063
9581645215	3.47510764498485	3.97992711437333	4.03828501814873	3.99913678767384	4.19878747319045	4.35240162264882
7993189966	2.79990267480273	2.21638297927335	1.41774396133565	1.21977947703979	1.83677590610961	2.12526025000714
8625120718	2.92271036778094	2.8287665585147	0.484269566812675	3.00647110235411	0.803068068431756	0.460105806863031
9634614857	2.61956546165182	3.06515645506317	2.71787276335873	2.97871834176902	2.39477325437623	2.53217686504302
7007206619	3.16785097637772	3.1718173544717	2.650787305098	3.80905514574255	3.41840291300522	3.57163870010789
7294008846	2.10858983258151	2.03941933304955	1.89388853234864	1.97048993869002	2.57958338466183	2.02513862191713
8727330248	3.34356262819331	3.23140490920952	3.95151009590153	3.50926890645214	3.7830817388455	3.17750337719259
8521017423	2.33471939782512	2.12234964991674	1.65380865157205	2.80650433802353	2.15084530954893	2.84835738936444
7975987335	2.29514631759256	2.99506392987959	3.01387438274405	2.8233165041019	3.25921880967686	3.03169872399615
7792104537	0.903070440096108	2.71329165342753	1.27806641681805	1.1519702330751	1.58494263204002	2.1183269347993
9561377886	2.68764350279754	3.22861466731917	3.52780467553401	3.6118039851391	3.71286323619318	3.5343963811807
0528413396	3.43667594611094	4.11014618445912	4.44144554658776	4.2149108650235	4.58541431539967	3.96139317835292
7897715618	3.21804258070912	3.49632286106684	3.73716664632787	3.72665559014113	3.85754201636738	4.1722016980828
790596035	0.591157407827504	0.479858064986106	1.52694646245028	1.41303852878518	1.46184584405379	1.56912101137787
2274524837	2.17447571908232	1.7917640898155	1.89928355247684	1.09923662415596	1.86502037932812	1.42372535613401
9254023444	2.82568470877523	2.09775615660957	1.51165044307655	2.14874676622524	3.13270158900889	3.22500257830863
8282464156	3.7809268070579	3.62404977042716	3.61325455084122	3.66963494761035	3.26697305987542	3.55670569039794
0586328318	3.08058566387358	2.92509661654088	3.72221086594904	3.36699415944637	3.76725123456563	3.44114218222121
9106230459	2.90904877488432	3.0300212822129	2.84313185228804	2.44133884401768	3.20290958334297	2.89119722919707
2373486414	4.1799611307441	4.20579243826243	4.29954147868089	4.18730059850039	3.99482274883368	3.97991899203534
8396229482	1.48556663707504	2.82210157927593	3.28932726871451	2.76893554608956	2.98230890127311	2.55641199475866

SM1677021_Treat	GSE68607_GSM1677022_Treat	GSE68607_GSM1677023_Treat	GSE68607_GSM1677024_Treat	GSE68607_GSM1677025_Treat	GSE68607_GSM1677026_Treat	GSE68607_GSM1677027_Treat
1161003283	2.67377631967128	2.6566189332727	2.68641681317422	2.18096990970614	2.94456810190725	2.87757636063506
896809499926	0.178992314959675	1.7964878858246	0.828830999714398	1.719339361652	1.542921758526	1.08312777505242
39345894897	1.10341054960559	0.887323282453278	0.947843447170445	0.777901351719034	0.46185521241488	0.558869267002723
6844142859	4.08788600376619	3.87116450311975	4.02461767426532	3.88311854562772	3.81870320104007	3.49011571410855
2533112244	2.31273730817234	2.24522015405312	2.75707351504826	0.971136734960895	2.11015424389632	0.816389008944918
2068491169	2.64909922762569	2.83375579018253	2.68120177954343	2.41016079684718	2.88989478713492	3.80195080574342
5033106658	2.78491485235588	3.08942809109261	2.83098309108349	2.92671323768487	2.15898310820023	2.36384380068673
0091118667	2.08436660095711	2.63650321484022	3.13926487274269	3.01951056259521	2.88761114353112	2.99288244924177
0647998623	2.69574909566741	2.69526359159234	2.7838105694661	0.237729334220813	1.79631698511307	1.41202118074248
1904683534	2.66395874231469	2.41799507758432	3.00463848977654	2.18298973837344	2.79652622491431	2.17361999523365
9306357442	3.87706795572248	3.74079458193763	3.6410793250587	3.5656392597779	3.49504195196578	3.52993887659282
33463614847	-0.0230438919272657	-0.301786229385055	0.0754910559574792	-0.371037596666076	-0.561672004850994	-0.530674833595048
6978286495	2.09811983651451	2.3534183000611	5.6049214101517	2.39780587332981	5.35043166654357	5.07644990290839
0628129413	1.33269680063082	1.58957173326982	1.66899636648214	0.216872807446012	1.21225599067201	1.80728892834854
1229704763	2.67408819320885	2.74125649885979	2.82261636457406	1.78897772491917	3.43105973454107	3.10337873756414
1175970987	2.40848654064639	2.8282983514247	2.61857963510718	2.45849842132984	2.6444493894025	1.90702434387049
9145300691	1.4009563626068	2.82387924941518	2.67241303940183	1.07054354638785	1.75304299005183	1.49916364785811
9822950408	2.45199099548783	2.35329278376399	3.42537757082495	3.29816641793982	2.68658373640859	3.59214472199231
4405539302	3.10901392182914	2.75906605240998	3.0758673500232	2.74659213967499	2.40045451897659	2.93529185346726
7937350806	3.57089937437645	3.78909928996637	3.89214969877531	4.3550228994166	4.15689194093413	4.246607810203
8264780808	2.35511299047293	2.52426091427275	1.93597514108494	2.23751137967586	1.87566798705629	2.93992655143987
6772872305	1.57881884996078	0.534222573072037	1.27718634713888	0.916435590758731	0.95398943743519	2.18854798873968
0317745399	2.14461284130653	3.08616518388432	2.88822803430701	3.28575193107386	2.86275312193321	3.13338135720305
0761582831	2.2287420578642	2.0633408297274	1.35306335384751	2.54480786925747	2.86045273634372	3.39912331234197
7813539622	2.10572739018891	1.90155466799959	1.85974198643644	2.17821210806265	2.5215599472344	2.29399126832972
3448115511	1.97409210537891	1.62161242017326	2.51636312403761	1.85128412440983	2.43171348112173	3.0574817182969
2110746275	2.0303676619165	1.82512166114424	2.21185676334677	3.21355092161144	3.35650855273202	2.47051683426957
2886755916	3.63803229646107	2.66460359840806	2.58020508604104	2.88160198537144	2.87403948509423	4.13056167389878

SM1677021_Treat	GSE68607_GSM1677022_Treat	GSE68607_GSM1677023_Treat	GSE68607_GSM1677024_Treat	GSE68607_GSM1677025_Treat	GSE68607_GSM1677026_Treat	GSE68607_GSM1677027_Treat
5650812222	2.50561401833461	2.43042460908655	3.14762595610055	2.78615345238653	2.40498957738756	2.66896378658982
48767816114	0.884956742720351	1.84238663130785	1.93467213784318	1.8804524743313	1.84618903350455	2.07098458725352
6396557054	2.10068451088252	3.29203333870223	3.22449504745383	3.42863650535099	2.04388318228161	2.87472105369424
5903738422	2.17264006570045	1.72063971960621	1.75625350032343	1.56831733999228	1.69881994604205	2.01980783732209
6780312298	1.27981515196083	2.05266121047759	2.39956278013131	2.71630556419105	2.0324338040906	2.57881830320349
5151105062	1.9303348697804	2.3622445129816	3.67217737860102	2.86491847995106	3.82632449864293	3.72533702854063
1958950397	3.57271264798472	4.10470619245454	3.30501917659946	3.10590662998538	3.3003536565534	3.64723260694467
1757102674	1.57901134353276	1.29945136057554	2.03204494911802	2.15713353233221	1.46188943851078	1.53963294117312
8673376627	2.53783327559451	2.22727191461503	1.97502823250259	1.67931340517159	2.21472310522497	1.84412627993588
9644023321	2.87322040357884	3.0941030560485	2.48755918443546	3.13526871103374	2.22057183068373	3.11193990630421
0298234959	2.21107176228157	1.64834787364017	2.31200524230691	2.42891422740967	1.98585165848224	2.29407064601422
9512802923	3.23669461849378	3.39155350482429	3.109855383705	3.64457931750126	3.40226446836512	4.10665693109484
8270339175	3.56326633628127	3.12240101024129	2.00219590790195	3.23873605423016	2.64362762433739	2.8708330272565
5550818972	3.15883969567062	3.67577581737341	3.47094233536334	3.94672177566379	3.80022880964307	3.57438956394411
1942421694	2.96918503127563	2.3476809188992	2.81127574425723	3.85351374128031	2.75588615769397	3.14897099631529
9004369722	2.65250501090696	2.52762960738124	2.85487518473236	1.86989410651233	2.49517088054276	2.88914898238706
7317571417	1.30578673789667	1.96873274065665	1.30292186435334	2.9994073883719	1.18740670231624	2.76191975111343
2625787853	2.85345500077924	3.23495529688647	2.20357291536226	3.15529179790918	2.62970504560587	2.84660643957952
8416102544	2.02058968795646	2.32778902010118	2.37156198173569	1.77874512135904	2.94930203952118	2.34945925505516
5126171164	2.57790301895044	2.58959110310801	2.67267628077707	3.19006549856432	2.96674463315117	3.16241876501691
1943340359	3.84584933316492	3.58757928406934	3.71737643501852	3.70008112524583	3.71692897944701	3.20043081593543
6091093362	2.25472966502511	2.01083182961734	1.03797388253919	1.29497066791163	1.34793278705157	2.05508085614035
7072021043	3.71768736018854	3.52321872551492	3.64525832204025	3.4180658095318	3.48006544182883	3.43538916265757
6724600755	2.08965266567229	2.4822857028272	1.46474330714015	1.5043474363101	2.5843857492823	2.07624675738761
6262321028	0.752893694566174	0.654911458257275	0.774836452734667	0.843083171300948	0.928013066830056	3.28056331971817
6104234019	3.02020471739012	3.28784768643154	3.46955185412355	3.15484580484397	3.74415664831992	2.5878951654596
0285058567	2.58025082211096	2.59739855793332	2.11214587649354	2.71725299855521	2.72714898096435	2.94159469107592
9527102935	3.28184482991183	3.81890532989812	3.9642664901718	3.32291419334205	4.14798942282536	3.67385951238284

SM1677021_Treat	GSE68607_GSM1677022_Treat	GSE68607_GSM1677023_Treat	GSE68607_GSM1677024_Treat	GSE68607_GSM1677025_Treat	GSE68607_GSM1677026_Treat	GSE68607_GSM1677027_Treat
6529958022	0.386701921731008	3.07062574522392	3.25479697106842	3.02675238611878	3.51050033692942	3.56469859011442
723565687	1.89400880264647	2.73467732856797	1.86111208652122	1.73832828210956	1.48939425843773	2.01667105490379
792337309	1.62701493403062	1.73268925018352	2.245970393663	2.2558356161957	2.32495409171018	2.25978212550026
1988753171	2.78894032521704	3.20292111136248	3.02594435193483	3.02208671083481	2.69984472284982	2.99979319192621
1032187287	3.75029465087956	3.87106279037711	3.6775373433787	3.45583023923256	3.54084862759138	3.36189718214318
7240362267	2.35673812452938	3.02445330695574	2.18572041750365	1.70972970273286	2.38037064674745	3.1168048939828
1551316394	2.3400671796161	2.03094343975424	2.7770081831035	3.20290609584934	2.49143980952366	2.90078493603513
1330288232	3.27796017728509	3.81143275689071	3.5919986682239	3.33803821854941	3.83025615835495	3.72610593101113
1966729924	1.34346357953808	1.30013224315514	0.737572413398433	1.93973873176313	1.12482572975358	2.17802089551032
9766671564	3.1286875805889	2.91951868722299	1.73123638751582	2.81429240509121	1.5045637279472	1.35587450003687
38846349695	1.44036178062544	1.54420847474576	1.62665555926773	1.53165565677834	1.11330215363016	1.41579742934027
14716193282	0.893740481537199	0.096572503662722	1.03121408317738	0.74283823423463	0.906547370554022	0.447351424754637
6975930848	2.0244285615951	2.64701250993465	3.10920214948071	2.84660024747981	2.67020415629854	2.01982168855868
4710761875	2.07668923100974	1.58543431848482	1.57423250444519	1.26914202274988	1.13422249880414	0.851560367676647
1244298744	3.0245006993787	2.76252865566281	2.81007208042826	2.78969386543858	2.65583823271955	2.29422280999866
8294322379	3.19933057663895	2.62778491669471	3.20284799486278	3.77092605345046	3.66534792858792	2.92650619889346
5962952083	1.91930375146567	1.93965731711301	2.02463501205248	1.75901438917396	2.25465501510129	1.79191276780326
2014349409	1.98474474658534	2.21609870533219	2.79281982917309	2.73284019926015	3.12348740504014	3.61524221593676
1985613819	2.59008126471547	2.06867089249231	2.66567634357472	2.40488892315188	2.05316924273939	1.96857795514699
3600206867	2.97556144933673	2.78222084758006	3.06124374038243	2.65592603291869	2.73143069464115	3.03658139486366
9136202319	0.937397033589771	2.35699547060382	1.87844241532058	2.62856478514247	1.27831508944977	2.1325929675766
2862411966	1.92904386740283	2.47853389962038	1.48246527191772	1.29487141560239	0.910976454957605	1.10250901701595
93137084962	0.502721982517007	-0.030277392535933	-0.14603311399895	0.170530679652534	-0.220189193136871	-0.554889624358042
1548191431	1.08586746869437	1.029465063554	1.93466759752496	1.47723620588533	1.07394740119431	1.25480701978082
1183590428	3.73625493905705	3.5165930438198	3.57225042750119	3.57167028511285	3.35520900581015	3.19597863115391
8168105152	2.63761635502388	2.69140834515993	2.82389224747139	2.74172774216093	3.02220087437225	2.85354409838218
3198995671	3.37265193970535	3.40816749204391	3.34513465757621	3.29708202256593	3.2194414488285	3.06397324693258
0962471428	3.16532237684502	3.38464080765881	3.39660909712821	3.40487594954939	3.17811392305563	3.26998617921484

SM1677021_Treat	GSE68607_GSM1677022_Treat	GSE68607_GSM1677023_Treat	GSE68607_GSM1677024_Treat	GSE68607_GSM1677025_Treat	GSE68607_GSM1677026_Treat	GSE68607_GSM1677027_Treat
1732216217	1.99381818842812	0.671840818479605	0.256493639883154	1.77719206102356	0.893103579909639	-0.0334837880861301
5874709455	2.23947109082107	2.67157169138023	3.77617422104319	3.47686525377652	3.8325684174352	3.47514371715039
2556913367	1.60280169901023	1.37628376346722	2.58013234670323	0.967717141976462	2.43316437435115	0.939106293895548
0816749323	3.15671218260238	3.01527910060964	2.55829344559483	2.52444388637776	2.60801029457947	3.04245434074315
1002864334	2.39818586972923	1.93552008574187	1.01445681933973	1.3266753233479	1.57351310060096	0.152408918789028
8763465538	2.14143059607412	1.84297202120744	3.08560685569826	3.02796341709993	3.22391629295537	2.93906599661635
9751820048	1.20265142380836	1.31149048340476	0.66789485865092	1.72025095410756	0.796532857399931	0.853522523094236
3676701963	3.37923627408034	3.66042732732845	3.62624962901853	3.74958705847336	3.35173858263169	3.95243446464957
9547056526	3.5624895100531	3.55425058578169	3.47389885996357	3.42390610955574	3.30567535069581	3.79628307948846
4073983384	2.81850813400215	2.79449521764807	2.58773000239379	2.60482776664999	2.25167392506773	2.59395382687132
6404112668	2.22033956203157	2.28864911605591	2.49081733995234	2.70021862193585	3.08644758778664	2.64776990440119
3903713612	2.3525766789468	1.97473050238684	2.24982150674982	2.22849408061621	2.06148981639164	1.82476155890976
9675026593	3.55405227746174	3.39854975615287	3.45126322375633	3.24329180147529	3.23193943396874	3.31481816504158
2935108958	1.69239246043416	1.6733613725444	1.44237451829815	1.30566565916014	1.17477575474867	1.37939347409094
4817860449	2.48345016414993	1.60258371543163	1.99252214124534	2.65980044168515	2.61664859303273	2.26429277332857
0090823433	1.53171377305241	1.49988203949385	1.40977655402336	1.71108473052554	1.46745325357464	1.43992641117164
8094416747	1.66716583081363	2.72502323111101	1.41070796997309	1.29394235114924	1.23354247292858	2.18312326288278
0753053121	1.35544119731755	1.74231929033168	1.80121088515135	1.70029710008319	1.35406543684763	1.59630699901571
1456391871	2.27588442098597	2.02134428780133	2.60168673725308	2.06661491499401	2.76103400848011	3.26335923715483
8257907638	4.10763233928972	4.24833730439031	3.1735434145662	3.93791605252903	3.77082795450551	4.06695868925895
4316573987	3.43362354902083	3.67067019595196	2.66031302333562	2.69029932368037	3.99224671225307	3.88755572424281
3494878919	1.84953968933725	2.40251607508465	2.44018812184655	2.20350823876404	2.29464180088512	2.51079915468212
3309706385	3.31600238002009	3.40865347067598	3.16700454261719	3.28818165048886	3.03661502888026	3.27180503679563
1745768146	3.31583879314733	3.31000111957731	3.59929940527959	3.78130749772116	3.94780134161705	3.75408706890352
1925865591	1.14692716020865	0.820382958852118	1.71881104711998	0.869921724082992	1.54311570895283	1.54463583457409
6982935006	0.476912477710163	1.56704352411067	2.1427422210978	2.21490257322693	2.00094209199239	1.63965351916832
6349098279	2.02822064092413	0.396378293781224	1.71450436300786	1.67373326937907	1.95325595156428	1.1921467288513
1559978273	2.17827861929068	1.97686634318372	1.74286595082308	1.13324179771998	1.76864780898293	1.80348973440116

SM1677021_Treat	GSE68607_GSM1677022_Treat	GSE68607_GSM1677023_Treat	GSE68607_GSM1677024_Treat	GSE68607_GSM1677025_Treat	GSE68607_GSM1677026_Treat	GSE68607_GSM1677027_Treat
6058383727	2.98986818565889	3.66349662534126	3.89016885287059	4.54462358573848	4.24709162102198	4.23978679305736
0540632119	2.16073078699006	2.30645909660234	2.09115838953291	1.9498889253067	1.24526484655732	1.50056445092778
1621009678	2.55967801537019	2.59760190749781	3.00670132084401	2.96538908198897	2.96750375918282	2.85416976799104
2200300794	3.90996493115622	3.75574496131477	3.73557833145292	3.57215969682007	3.46145031904208	3.89024219959622
2737980358	2.24457271324289	2.96333372456604	2.78387024553859	1.32654992935177	2.9113802000318	3.41247580375567
0336143714	3.08830140859485	2.69482855714178	3.41302790367701	3.35889434626155	3.23972323711393	3.41498918090401
5950007173	3.15045416983965	2.57873887325003	3.00073311533595	2.64265915576509	2.92676333574135	3.14606756738457
32898221951	0.0838065294088516	0.0058620865897111	0.202400214781154	0.522554610760275	0.587646617517985	1.01255480848276
9142611901	4.43941794343884	4.43941794343884	3.75007630850197	4.34270864153668	4.25283160832465	4.40973110412908
3529810483	3.97752337861747	3.85229885155318	3.14689461175358	3.95755020357582	3.94608962546058	4.06225054308684
6134150995	2.54334782668887	2.68463147828332	1.36829157022529	2.56824260072208	2.55867239801637	1.98509574797387
6969846688	2.69507070839362	2.88084148779312	-0.335909670690766	2.75975283376741	2.05280466460726	2.94368741414161
9988283288	2.33959208041141	1.92427596961634	4.19636578885232	2.80623513173888	4.50041636813622	3.59982989452951
3630995755	3.1955625278051	2.88080530824315	3.88243151697892	3.44515192990634	3.714917095063	3.5639584324253
02027094026	0.312240154673583	0.0190942376951181	0.59730165671828	0.505056125711221	0.319867585882768	0.0587765585444916
3502739968	3.24974053285453	3.09563689906048	3.71184392039484	3.6612609380073	3.51373626545312	3.84222843134833
3615570458	2.65661439351333	1.41492936270338	1.40101757843993	3.16357496379996	1.45064523583783	3.37633074930418
5203951016	3.71996338486059	3.80965413913592	3.45311946954539	3.50819479177681	3.32782476232807	3.43480021820219
2945454164	3.3471375648827	3.24496353800279	4.19287079837119	3.90455744923051	3.95854908521425	3.51934321300316
6419480281	3.38646766157601	1.68445274876079	3.32985793204084	1.34516727676697	1.27441481484832	3.57931709412862
8949157107	3.74647865667514	3.60729967153565	3.6143794194633	3.50839547010678	3.27972388504828	3.47932044383577
38339677899	1.87350606665287	2.54535283551932	0.301973984358223	1.73543686888306	0.760257584645081	2.17114410835474
2022282471	2.49698970816668	2.1991148583202	3.40561391420962	2.16615598098796	2.53080169417793	3.25778435393271
6692665896	2.17177523382058	2.28693455060594	2.08269172108027	2.03941611173829	1.33969237676197	1.74879413283735
3252478778	3.22216091328027	3.05527024014463	3.38166810868763	2.43605527995689	3.0489082977733	2.59142317590127
6831477292	1.91440692319494	1.51051994087672	1.68826118739793	1.52646097115797	1.98700777733753	1.45102265206603
4210771842	2.81471309248374	2.03979963858286	-0.34548689075724	3.00268825769193	-0.532781107882679	-0.484931773223583
9457969306	2.0042254812434	2.17560651020725	1.35568465500321	1.21872366217169	1.2831417555746	1.17930568056839

Supplementary Table 2

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
MLH1	9.570555	9.0909	9.293666	9.238952	9.778971	8.85928	10.00668	9.707973	9.486366	9.321518	9.60989	9.111042
MSH2	8.3187	8.213855	8.190058	8.522533	8.174659	6.665071	8.920271	7.782681	8.933343	8.227888	7.877539	7.811266
MYOG	5.538094	5.705728	5.346179	5.143961	5.385424	5.228625	5.543088	5.274988	5.390591	5.153629	5.263623	5.402107
ADAM8	5.0132835	5.357247	5.093233	5.157762	4.936454	5.2341805	5.171736	5.069284	5.362848	4.7168055	5.1913825	4.960187
ADAMTS5	6.9224235	4.4553755	7.2819035	7.4716005	4.343947	5.1449825	3.470618	4.5455395	11.34485	7.4149415	5.0418895	4.6684175
BDKRB1	7.536724	8.512023	7.839781	7.881829	4.74051	4.408792	4.487739	4.507009	4.945453	4.439797	4.074417	4.26766
CCL4	4.646387	4.71423	4.66583	4.699104	4.592972	4.398648	4.728833	4.366186	4.288142	4.460433	4.404549	4.04885
CCL5	3.56126	4.764668	4.295509	4.677467	4.300043	3.924755	3.473967	4.173768	7.136679	4.838362	9.114552	5.792317
CCL13	4.4384775	4.322922	4.352693	4.7165735	4.6794075	4.244354	4.2447205	4.4511845	4.417791	4.328392	4.534722	4.549444
CCR2	3.3502715	3.5358245	3.5336035	3.639083	3.6357665	3.731093	3.618821	3.623526	3.787798	3.2985105	3.5716355	3.349688
CD40LG	5.435589	5.658911	5.535619	5.263453	5.552116	5.5487	5.611919	5.730234	5.660603	5.471509	5.665357	5.349617
CMA1	3.622808	4.36592	3.587563	3.59935	4.074068	4.679499	4.16604	4.213637	3.790743	4.404122	4.130239	4.82253
COPS5	10.56339	9.904558	10.26023	10.3283	10.82297	10.82945	10.8677	10.83812	10.49369	10.2257	10.73071	10.15697
CSF2	5.318431	5.550247	5.434489	5.2098115	5.236611	5.217955	5.1715815	5.308336	5.5266595	4.8840585	5.343583	5.051939
CSF3	6.37667	5.895304	5.99891	6.170219	5.686442	5.525666	5.726311	5.648375	5.920421	5.833932	6.160077	5.729547
CXCL1	10.73323	9.550071	9.461976	8.705974	3.829426	3.296278	3.718462	3.45927	11.22748	5.429181	8.28163	4.348459
CXCL10	4.756918	4.229877	4.399174	4.984254	5.259882	5.472432	5.246046	5.053633	8.821544	5.12158	7.900865	5.194046
CXCL11	2.4779165	2.2603765	2.279931	2.3651655	2.381862	2.363441	2.6184325	2.5645695	7.676923	2.5130455	4.559085	2.367968
CXCL12	11.456595	10.943761	12.04772	11.413606	4.7010275	4.3758095	4.4142365	4.6487095	6.498796	5.6828545	4.3754625	4.9285515
CXCR3	4.783941	5.198962	4.7157665	4.7448455	4.929651	4.950201	4.9117775	5.0711845	4.725315	4.6823035	4.9375565	4.694681
G6PD	8.767035	9.020844	8.310297	8.980982	8.39206	7.637508	7.560825	8.135433	7.378654	7.409071	6.370906	6.598725
GPR132	4.7750005	4.8915275	4.6693985	4.445747	4.5257875	4.4310775	4.350789	4.630783	4.4714585	4.3855605	4.693592	4.339844
HAS1	4.942957	5.63181	4.987945	5.340945	4.955	5.682625	4.910889	5.050815	5.09995	4.362751	4.944352	4.522391
ICAM1	5.415565	6.532574	6.436027	6.198178	5.746974	5.770791	6.0784	6.004959	9.774789	6.005249	8.993764	5.616334
IFNB1	4.158473	4.694613	3.769923	3.983757	3.867742	3.789609	3.647367	3.849895	4.659774	3.772265	4.100037	3.724587
IFNG	3.415353	3.697037	3.547349	3.581255	3.815286	3.480852	3.928321	3.926513	3.358288	3.417819	3.809983	3.544338
IL2	2.454601	2.715086	2.551641	2.411503	2.675966	2.83435	2.664779	2.688554	2.721167	2.779367	2.826202	2.679457
IL4	2.839638	3.1872675	2.892067	3.0492165	2.9651655	2.800403	2.964736	3.092213	2.7603895	2.7293965	2.923822	2.788899

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
IL5	2.792426	2.817654	2.629132	2.459792	2.393064	2.457216	2.753109	2.663959	2.420537	2.441812	2.518278	2.315654
IL6	9.731484	9.465289	9.917379	8.398743	5.819533	5.579216	5.955694	5.963992	11.88509	7.591909	7.429872	6.534056
IL10	2.893065	2.849368	2.929905	2.843801	2.855361	3.319712	2.710763	3.013314	3.0012	2.838841	3.381429	2.951217
IL13	5.774225	6.24601	5.370724	5.743719	5.208121	5.370289	5.429266	5.604823	5.491196	5.385242	5.663111	5.261319
IL16	4.846483	5.264809	4.730015	5.245057	4.669782	4.424298	4.152093	4.546006	4.398618	4.469438	4.605576	4.491636
IL25	5.107018	5.364372	5.267642	5.072948	5.107138	4.991091	4.957341	4.962462	5.287958	5.106398	5.418097	5.136004
IL27	5.776483	5.595631	5.764229	5.86607	5.6312	5.667026	5.607773	5.581333	5.212368	5.067916	5.769952	5.099371
IL12A	4.518548	4.308117	3.865975	4.892169	4.16837	6.451499	3.849426	3.886944	5.734373	3.363953	4.933143	3.14869
IL1A	4.6252945	3.97197	3.9229075	3.9200855	3.778719	3.96662	3.4623495	3.882851	5.2089935	3.8151365	3.7280745	4.1426545
IL1B	7.1392905	6.1599995	5.765737	6.312031	5.4935415	6.4708715	5.613235	5.6550835	6.5827315	5.056864	5.9109245	5.0584395
IL1R1	9.039716	8.6130115	9.5999575	7.7513415	5.0830225	4.881231	5.0556305	4.9897125	4.848508	4.7619855	4.8681845	5.075712
IL1R2	4.1435345	3.742348	4.2288085	3.6587065	3.48481	3.2724465	3.5568145	3.356991	3.5117985	3.3639555	3.524183	3.405371
IL1RN	5.570322	5.688991	4.506618	4.62776	4.444881	4.169785	4.16769	4.48227	5.197884	4.141305	4.501711	3.999397
IL23A	4.818101	5.024161	5.05757	5.002131	4.798042	4.530327	5.231386	4.912778	4.918675	4.451555	5.080966	4.570474
INHBB	6.481983	8.14761	9.640546	6.614057	5.129435	5.768227	5.844615	5.036891	4.995391	5.419744	5.328429	4.620264
LPA	2.482551	2.930709	2.6221	2.694958	2.716393	2.521317	2.6221	2.68006	2.546439	2.738036	2.81065	2.662435
LPAR1	9.757087	9.545174	10.06398	9.51022	5.43748	8.540128	7.397037	5.964199	8.357918	7.686456	9.249066	8.473964
LPAR2	4.9670435	5.205382	5.20401	5.177886	5.2228445	5.1731005	4.827622	5.2021375	5.519839	5.364339	5.5238005	5.4802225
LPAR3	3.454248	4.020532	3.6426405	3.787635	3.5583845	3.4290125	3.3910815	3.475325	3.7118455	3.3188275	3.700686	3.3199705
MCAM	5.885351	6.021282	6.441558	7.101537	7.300237	6.982416	6.677102	6.906975	7.599392	6.40483	5.077476	5.828182
MIF	12.97748	13.12662	12.75609	12.88972	12.8956	13.1809	12.94006	12.8347	13.00596	12.8008	12.74777	12.45632
MYBPC1	3.269119	3.730982	3.514253	3.381429	3.696351	3.888499	3.439479	3.915793	3.43378	4.157071	5.138828	5.4656
MYBPC3	6.130985	6.270971	6.029708	6.098449	6.138264	6.139249	6.13449	6.027267	6.44423	5.814563	6.552914	5.665546
NR4A3	5.424597	6.987298	7.850699	4.59995	4.506951	3.968923	4.961615	4.237522	4.114354	4.6232	3.951674	4.764669
PLA2G4A	6.580785	5.725633	6.137924	6.650035	9.935039	9.812238	10.42283	9.879414	7.24184	8.603629	8.771902	9.50494
PPP1R12B	3.999811	3.879256	4.114453	3.936246	4.3530535	5.0761845	5.2809715	4.2654625	3.8058975	5.9687475	4.178227	6.094463
PTX3	10.74389	10.45864	12.5019	12.49401	2.84372	7.688748	3.238206	3.133644	12.44242	8.412242	11.19486	6.521194
RNASE1	4.0246235	4.375766	4.086668	4.139197	4.190787	5.036763	4.110738	4.3186435	4.149552	4.0983615	4.0469435	3.9205645
SERPINE1	13.06873	13.37318	12.83481	12.4871	8.47617	9.057574	7.323428	9.010159	10.43361	8.552989	10.27541	6.415893
TLR1	2.757909	2.613032	2.935213	2.857798	3.024148	3.293189	2.769617	2.837277	4.88861	2.6831	3.045244	2.798933

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
TNF	4.321916	4.349264	4.31089	4.587232	4.21219	4.677117	4.316971	4.355808	4.574637	4.247093	4.941859	4.252512
TNFAIP6	6.229112	5.731679	6.0519835	6.494834	9.70168	8.867219	10.40756	9.3337465	8.4604665	11.120425	9.938067	10.788215
TPSD1	5.210746	5.443855	5.255975	5.362629	5.123979	5.296427	5.246378	5.478251	5.014565	5.015409	5.260037	4.737182
TREM1	6.952253	6.156178	5.193913	4.588409	3.925139	3.565094	4.111518	3.939635	3.565094	3.479012	3.79934	3.498812
VDR	6.779176	7.3141355	6.8569645	6.398543	5.816132	7.5596845	5.564114	5.85359	6.6886095	5.3845385	7.56129	5.1616615
NCOA3	6.927937	7.440795	7.650099	6.61118	6.5938065	6.9779235	6.3732695	6.5999345	6.2295905	5.855531	6.154107	6.0319275
LOC389834	4.696783	4.406001	4.4892065	4.076259	5.9995265	6.1980735	6.0447085	5.860315	4.212315	6.6260645	5.7959925	6.2280215
SPIRE2	4.1621645	4.211268	4.191807	4.1204105	4.589149	4.197134	4.802668	4.5094015	4.370823	4.3572705	4.51544	4.2358005
NXT2	7.4842135	7.1923015	7.318804	7.4240285	7.989444	7.0865075	8.958023	7.8983765	7.696182	7.725996	7.123371	6.4618715
CHKB	8.564364	8.401234	8.453021	8.310234	8.571429	7.528221	8.429286	8.502864	8.469928	8.738524	7.72371	8.654934
E2F5	4.681691	4.303313	5.007784	4.772331	7.180859	8.001627	7.519842	6.939858	7.747662	6.313349	7.745697	6.485413
TRAIP	6.025927	5.337077	5.259809	5.389792	5.094172	4.643589	6.003901	4.963415	4.989387	4.873647	5.042034	4.718035
CSF3R	5.476113	5.5894065	5.447151	5.4854165	5.347549	5.3837675	5.1248355	5.432166	5.253882	5.177526	5.2194975	5.1515295
AMDHD1	3.368546	3.459386	3.568657	3.409655	4.410438	6.265156	5.056046	4.415087	5.581347	5.442342	5.271213	4.48231
FLYWCH1	6.115473	6.76024	6.378222	6.554276	6.882229	7.907073	6.61818	6.788116	6.633982	6.201303	6.86252	6.169934
DUSP22	7.658973	7.216167	7.970031	7.780397	7.120909	7.812533	7.109394	7.079484	8.222317	7.895908	7.857571	6.707654
RSPO4	5.210745	5.61313	4.217003	4.491202	4.129932	4.234892	3.726885	4.290539	4.372814	4.327715	4.076728	3.73519
DUSP13	4.414811	5.114388	4.66864	4.706932	4.911782	4.349054	4.547351	4.802704	4.375194	4.482795	4.504855	4.043803
IL22	3.7700025	3.5495	3.6695685	3.7991925	3.7941245	3.6901965	3.7265615	3.7604405	3.840794	3.532645	3.733936	3.4284715
SYNPR	2.87578	3.229256	3.372054	2.830234	4.798872	3.113975	3.881401	4.683956	3.02065	3.372054	2.950712	4.238928
MMD2	4.602795	4.4082565	4.5212775	4.539171	4.351249	4.355263	4.330134	4.575779	4.4169625	4.3169265	4.540569	4.3578095
PKD2	9.086803	9.095774	9.356143	9.198704	8.286159	8.456167	7.78109	8.32418	10.223	8.36048	8.395878	7.799677
CEP72	5.489302	5.362286	5.352416	5.212708	6.087942	5.831095	6.41403	6.016947	5.470978	5.497058	5.99404	5.123564
AIF1	5.5376395	5.9520945	5.724506	5.648226	5.646675	5.6197065	5.5226765	5.6803875	5.5767235	5.505698	5.704779	5.146698
YPEL4	5.2244605	5.223935	4.6848765	5.2170845	4.989972	4.4986715	4.5152615	5.1321365	4.710844	4.4129715	4.814386	4.439061
VPS37B	8.355259	8.724797	8.391151	8.30458	7.977356	8.393487	8.399811	7.758827	7.117753	8.381903	8.234566	9.000392
ZCRB1	9.892942	10.32794	9.4301105	9.8885445	9.938517	9.8749045	9.7924375	9.9270565	10.19602	9.9150585	9.632123	9.599624
ZNF41	4.670911	4.427727	4.646835	4.291747	4.489782	4.326413	4.783653	4.466774	3.976459	4.092806	3.546877	4.017025
TERF2	5.928682	6.10347	5.958453	6.107189	6.088493	6.078676	6.531716	5.566886	6.210876	5.95308	6.184151	5.745156
RBM39	8.899174	8.154257	8.432935	7.7212175	8.8776905	7.754999	8.853908	8.914939	8.037117	9.476582	8.540209	9.7957085

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
REEP2	6.819228	7.113786	7.038154	6.781357	6.578072	6.325868	6.278805	6.589605	6.712385	6.762611	6.449087	6.514461
FSTL5	3.297279	2.887363	2.963784	3.321873	8.666814	4.775202	5.164891	8.378329	3.335222	4.321122	3.139879	3.432077
MECP2	6.081067	6.790945	6.532416	6.572729	6.284407	6.324164	5.9600245	6.205948	6.227396	6.3007305	6.295843	6.2464675
CKS2	9.915286	10.03829	9.756889	10.77907	11.29623	10.52386	11.89427	11.11613	9.740444	10.20315	9.881114	9.881114
DUSP16	5.313275	5.601933	5.365815	5.461963	4.8764435	6.083729	5.7152395	4.9088065	4.9559855	4.9396735	5.2047585	4.792685
IDH3A	7.00148	6.72398	6.568487	6.984824	7.476407	8.307287	8.576373	7.415036	7.451365	7.029786	8.021699	7.094709
FAM111A	6.358277	6.29823	6.189148	6.1398245	5.7589595	4.389493	5.3839475	5.7070735	6.53965	5.9075515	5.416132	5.5161255
KCNG1	5.421724	5.825389	5.4669145	5.6480495	4.2429535	4.4653735	4.2636535	4.2637585	5.114786	4.1469975	5.5732265	4.511243
HMGN3	10.06647	9.306993	9.195948	10.31141	12.25535	10.78947	11.77992	12.22841	11.04904	11.74609	9.702758	11.57115
GNPTAB	5.0251	5.121988	5.480989	4.955497	6.024257	5.696218	6.027051	6.293859	5.926376	6.92087	5.622011	7.138922
TMEM117	7.767599	7.268276	7.652915	8.206262	8.12926	8.304396	8.385142	8.201472	7.758448	8.159749	7.612023	8.26393
UNC119	7.412202	7.512896	7.567294	7.371805	7.153973	6.843482	6.926855	7.06743	7.161658	7.753357	6.833943	7.375863
NIP7	8.432836	8.3191635	8.6238675	9.072156	9.096981	9.553873	9.576939	8.989729	8.7458265	8.172397	9.3871855	8.482801
PLXNA1	7.630713	7.394155	7.557837	7.598971	7.411509	7.969702	7.269301	7.438306	7.16933	7.248106	7.345085	7.303757
BTNL3	5.798002	5.934565	5.742515	5.640125	5.648188	5.451796	5.183288	5.817367	5.633425	5.431764	5.576475	5.59374
FGF21	5.055415	4.670889	4.558161	4.540523	4.679755	4.67155	4.611982	4.788642	4.660729	4.228117	4.72857	4.45782
ARL9	5.245701	5.610085	5.546329	5.396381	6.409549	5.592173	5.761841	5.972175	5.49013	5.415919	6.063121	5.661382
CAPN3	5.673378	4.992808	5.660612	4.739076	5.455151	5.068939	4.864549	5.640171	5.359566	5.69934	5.877967	5.585073
PTPDC1	6.0174045	5.7664845	5.933589	6.1570945	6.0634265	6.2775795	6.2754095	5.885596	6.9320575	6.481943	6.4685505	6.6603575
TPD52L1	4.175176	4.998149	6.8592165	5.4991455	9.5199875	10.83548	8.917638	9.6160295	7.674909	10.759385	10.885285	10.4408295
ODF2	6.9663235	7.36849	7.2301245	7.305948	7.3055645	6.4819235	7.4029315	7.1302315	6.1642035	7.156956	7.262434	6.904749
ANKRD7	3.175191	2.858083	2.995754	3.134277	3.173246	3.33515	2.905381	3.393347	3.95503	2.84904	2.842249	3.242042
TBRG4	5.327058	4.827049	5.57802	5.026083	5.282916	6.677451	4.563342	5.251348	6.006319	4.854149	6.654551	5.727551
WDR53	6.348685	6.219165	6.482469	6.883161	6.848008	6.912907	6.913623	6.783643	7.737014	6.831278	7.50483	6.822404
CRYBB2	5.760136	6.137555	6.191871	6.413262	5.779581	5.869854	5.627087	6.041518	5.547052	5.155227	5.799026	5.331743
HTR7	3.749412	4.342846	3.721833	3.714305	3.691008	3.67064	4.480836	3.714623	4.485325	3.749882	4.204041	3.847844
RNF6	6.628512	6.355486	6.320584	5.239553	5.993241	7.000046	6.101851	5.6592	5.012702	3.692111	4.889695	2.864963
ASPH	8.939985	9.27305	8.944832	8.246571	7.553739	7.522326	6.486541	7.344327	7.846012	6.167542	6.090801	6.774161
KIAA0513	4.383629	4.6807255	4.4349775	4.946985	5.318542	5.9719855	5.170197	5.2254115	5.172651	4.6997695	5.223492	4.9615905
PSPN	5.126622	5.303157	5.171549	5.121243	5.022186	5.267532	4.607105	4.975525	5.192741	4.708104	4.871457	4.839307

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
KCNB1	3.1666875	3.48313	3.24814	3.618303	3.307431	3.2815455	3.1313985	3.2758365	2.879488	3.2365435	3.454567	3.2348075
ACTN3	5.445158	5.648305	5.807929	5.538172	5.660839	5.854808	5.525393	5.815344	5.466863	5.211703	5.585844	5.415837
VENTX	6.136045	5.83175	6.144138	5.856475	5.953204	5.815306	5.874437	5.939078	5.871495	5.783344	6.015675	5.589756
SYNCRIP	9.667562	9.566813	9.617633	9.695492	9.917665	9.795045	9.97339	9.755722	9.213103	9.459076	9.580504	9.600603
SSX2IP	7.8646595	7.100102	6.2596895	8.3416395	8.3098725	8.696205	7.930786	8.469539	7.8643835	8.114272	6.9161575	7.0354235
CRTC1	6.1478355	6.836791	6.436693	6.3423875	6.143443	6.2093825	5.8352885	6.098577	6.158091	6.276804	6.3498315	6.1200765
UBE2R2	9.189144	9.505478	9.21442	9.2444205	8.52448	8.395765	8.56837	8.3476145	9.1069325	8.7966475	8.690564	8.612979
MTX2	9.111249	9.098255	9.329435	9.032506	9.580715	9.903255	9.814703	9.557558	8.996828	9.787605	9.937291	10.18278
PHYH	8.7525	8.594791	8.709242	9.185607	9.13186	7.760273	8.65091	9.203568	9.627152	9.214984	8.849893	8.641521
HMMR	9.329283	8.51623	8.1186035	8.933715	9.7179015	3.836004	10.340892	9.4870755	5.3182165	8.4900385	5.9043585	8.055908
SEC61A1	10.453456	10.592195	10.2657015	10.2284015	10.2491465	11.104815	10.2044555	10.318952	9.9253375	9.0450955	9.962496	8.8117365
PRKCZ	4.160959	4.1896205	4.226655	4.454777	4.0265515	4.1884635	4.4074375	4.066908	4.115453	4.010379	4.2343845	3.757575
CCNA1	2.859266	3.207021	3.204031	3.272086	3.088676	3.212606	2.970407	3.173102	4.64271	2.912074	2.964935	2.866249
IRF4	4.511527	4.599627	4.563644	4.670938	4.497687	4.349177	4.623165	4.744256	4.58952	4.490938	4.681352	4.440536
UTP15	5.935263	5.7639065	5.7745865	6.158668	7.5828545	8.018608	9.090039	7.3540365	7.489303	6.90019	6.8914095	6.3066415
CHAD	4.945224	5.117812	5.063215	5.042711	5.074154	4.88594	5.009928	5.103437	5.156683	4.695423	5.06692	4.880772
LRRC34	4.854876	4.954849	4.900202	4.5614895	5.2817005	7.6490055	6.20992	4.8173845	6.1524025	3.592987	7.246876	4.261823
UBE2G2	7.5212605	7.304643	7.6466145	7.6544585	8.879572	9.804063	9.4663185	8.8962585	8.6324115	8.7386175	9.3833015	9.0652205
RIBC2	4.342988	4.93179	4.167593	4.659913	3.983001	3.738548	4.028731	3.867507	3.950313	3.791314	4.107363	3.466487
TRIP12	7.5835825	7.2140055	7.8489015	7.653372	7.90372	7.808075	8.2591925	7.968238	7.8952085	8.9849865	8.4805725	8.6461355
RBM10	8.412766	8.419619	8.615883	8.407026	8.411613	7.937058	8.583878	8.158833	7.905593	9.126196	8.519205	9.282722
ABHD13	5.0840965	4.873864	5.710917	5.4780895	5.6038955	6.732974	6.4644935	5.629951	6.6145695	5.6727695	5.5395165	5.343595
CEBPG	7.851277	7.8323485	8.2779535	7.49599	7.17735	7.7864125	7.8192305	6.953691	9.102531	7.8929485	9.3635	8.1562885
GNA11	8.845825	9.2322485	8.8427395	9.1797245	8.6914925	9.2306845	8.614333	8.6139345	8.5987515	8.606401	8.8207525	8.8309645
PLEKHF2	6.623276	6.7726395	6.883008	6.9991035	4.333597	4.261126	3.615806	4.5025595	7.455819	5.823154	5.9948845	4.5223115
KLRG2	4.8330165	5.1776845	5.0269345	5.151696	5.926132	8.4581395	7.949086	6.151912	5.03309	4.414431	6.4733985	6.3189485
DMC1	4.1626585	4.1727555	4.2063955	4.2315785	3.724942	3.3218795	3.7172835	3.649714	3.567125	3.6627315	3.5668365	3.566137
XG	8.608676	8.435198	8.236313	8.752407	7.02398	9.147629	6.413487	7.461134	3.076697	4.764668	8.423257	6.299205
PKN2	8.892289	8.003919	7.401601	7.160497	8.011738	8.358004	8.77155	7.984892	8.01792	8.955582	7.71637	8.721328
OR51I2	5.030313	5.06989	4.923117	5.792889	5.337034	4.578779	5.032521	5.384085	4.98651	4.8319	4.885382	4.783589

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
COL1A1	11.25893	12.02024	11.74392	10.82616	9.639792	8.716532	7.666163	9.628329	10.84729	10.26118	7.906938	9.863799
TSC22D3	5.769799	6.163178	5.791115	5.851334	6.557246	6.115474	5.847578	6.458384	7.434037	6.366426	6.853579	5.757626
APRT	8.7136435	8.840067	8.499781	9.1244405	9.83922	10.0324905	10.2054585	9.892287	9.172294	9.0383635	9.9838745	9.383309
LIPE	4.716047	5.168656	4.5952465	4.654885	4.681034	4.596469	4.930068	4.479418	4.488804	4.136423	4.3384245	4.034977
EXO1	7.300722	6.727918	6.536458	7.462487	7.155624	4.903597	8.032742	6.841627	5.190525	7.069379	5.665357	6.926792
F2RL3	3.659606	3.697893	3.650368	3.627977	3.513893	3.751086	3.415231	3.696236	3.692111	3.389689	3.521814	3.676057
HDAC2	7.6284885	7.3165815	7.319794	7.594102	8.3063095	8.734214	9.1960445	8.25073	8.012012	8.579624	7.9311375	8.703249
BMPR2	6.800315	6.986525	7.149745	6.740038	6.944745	6.367775	6.064635	6.771755	6.229394	6.582937	6.055831	6.570732
SLC6A6	4.508795	4.836167	4.507403	4.620446	5.208088	5.335491	5.123324	5.230809	4.564077	4.027831	4.382007	4.094365
STOX1	3.185089	3.179497	3.243928	3.058437	3.23916	2.9268905	3.4017365	3.047349	3.0621685	3.9994915	3.101418	3.3930625
ZNF146	9.4656135	9.214294	9.383644	9.204207	9.6361575	9.9041475	10.082644	9.511917	9.9839765	9.8704435	8.7959795	9.5903415
SLC35A5	8.844039	8.155975	8.773963	8.50752	8.727409	8.401707	8.639588	8.691348	9.022191	7.900398	8.504759	8.306733
KIF27	2.942067	2.749942	3.007141	3.000553	3.016681	3.205045	2.822535	3.160742	3.189746	3.157761	2.914788	2.960898
ILDR1	4.5708555	4.954825	4.564994	4.7811275	4.597956	4.6864795	4.5388975	4.737535	4.3764755	3.976265	4.3363025	4.1983365
SMNDC1	9.784882	9.674328	9.470919	9.924797	10.14974	10.14357	10.38736	10.05597	10.03193	9.876797	10.15107	9.890984
VAT1	10.71771	11.27156	11.00615	11.05783	10.24863	10.57342	8.92005	9.982357	10.16605	10.29795	9.941048	10.29583
VEGFB	7.379345	8.143218	7.220936	7.233802	7.215801	5.866081	7.009376	7.099785	7.484735	7.338846	6.256754	6.892988
MRPL24	9.232355	8.947276	8.615015	8.822168	8.902027	9.065479	8.817311	8.939144	8.385983	8.690155	9.217333	8.691687
ING3	6.080874	5.383445	6.0155915	6.1486255	5.915495	5.6365505	6.197043	5.7871235	7.019841	5.763791	5.776161	6.1644625
CMIP	6.5323765	6.5205575	6.0119005	6.100289	5.511734	5.6941125	5.758646	5.4140025	5.5161395	5.8938285	6.054104	5.9123945
RPL24	13.35848	13.392605	13.27932	13.335775	13.449425	13.31877	13.44174	13.45399	13.171135	13.528085	13.545065	13.560675
HCLS1	5.961583	5.901764	7.599312	7.125	5.68679	3.636978	3.277469	6.080369	3.203714	2.664779	3.297384	2.924773
AZU1	4.829657	4.335804	4.155528	3.963667	4.404312	4.347739	4.160013	4.390477	4.027333	3.553483	4.080786	3.996191
PRKAA2	4.148325	4.678803	5.003753	4.458992	4.456363	5.85652	5.24183	4.562516	4.529635	4.668804	4.37792	5.722027
USP46	6.162899	5.9769055	6.0058895	6.225824	6.4035285	6.561401	6.295408	6.518198	6.41526	5.661816	6.2159975	6.1176795
DCTN2	4.910689	4.933216	4.549542	4.756193	4.954977	4.773552	4.613012	5.296822	4.839599	4.94464	5.06552	4.850764
RBX1	10.97297	10.75362	10.70742	11.13846	11.09563	10.97875	11.17335	11.02817	10.51857	10.64775	10.67516	10.70606
PLK2	5.917675	6.252963	6.520944	9.14673	9.742766	10.92116	9.229084	9.800107	11.872	8.855576	11.07559	9.366376
TIMM10	9.729617	9.520823	8.5217565	9.7233905	9.36507	9.0572485	9.942557	9.2141735	9.1389385	8.9083845	9.9119765	8.8015485
NAPSA	5.367286	5.821776	5.473724	5.653463	5.248816	5.026187	5.159971	5.384086	5.370358	5.156884	5.443286	4.930033

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
TAF9B	6.108674	5.204965	5.481448	5.766893	5.534643	5.608124	6.193523	6.003155	5.327418	7.178559	5.279997	6.436939
HIP1R	5.997723	6.268365	6.417249	6.540748	6.710964	7.282592	6.916411	6.397518	6.513066	6.873129	6.551918	6.212695
MS4A6A	4.679368	4.493272	4.942373	4.789951	4.925941	4.699334	4.691142	4.989169	4.696352	4.539754	4.698472	4.386727
ZNF365	3.5743355	3.837216	3.4376595	3.8629865	3.577842	3.422433	3.440512	3.678475	4.8780925	3.3895355	5.0589255	3.4196245
AKR1C4	2.910351	2.879456	2.794124	2.602792	2.991312	5.11264	2.688813	2.869383	2.644592	2.888769	3.132107	2.659885
ASPHD2	5.135666	4.8354385	5.2892425	5.249422	5.8314285	5.8992105	6.91009	5.682095	7.492791	6.247001	6.869286	6.3144565
AADAT	6.949938	6.453694	7.065304	6.577854	6.528366	6.17512	6.222452	6.366319	6.358	6.767165	6.818471	6.681162
TMEM45A	11.2663	11.035	11.42062	11.22342	6.926105	9.203181	6.268273	7.455735	10.62822	6.484359	9.31873	7.125947
TMEM63B	6.864762	7.248528	6.909188	7.032503	6.990575	7.389379	7.078377	6.979832	7.372518	7.490879	7.255027	7.656732
TRIM38	7.701678	7.151929	7.7237145	7.2781535	7.91194	8.41591	8.633416	7.950599	8.27361	8.9138745	9.05668	9.198553
EPHB6	4.933216	5.004601	4.613385	5.21209	5.270942	6.245713	5.365067	5.175673	4.881109	6.606503	4.901409	7.607976
SULT1A1	6.518044	6.155639	6.570663	6.305159	8.568464	7.798505	8.040107	8.45787	6.898188	8.43671	8.387081	9.054996
MAT2B	7.818867	7.5102585	7.3406665	7.7879975	8.3029125	7.8920205	8.334198	8.439025	8.1918185	7.636472	8.431774	7.233391
HSPB7	7.286491	6.816591	6.900868	7.2862985	6.665064	5.401549	5.0611855	6.651814	4.2923855	4.6882755	4.7531015	4.575883
UMOD	4.578548	4.132226	4.64293	4.601957	4.579641	4.55795	4.502302	4.841819	4.343431	4.066047	4.483058	4.620265
CASC2	3.372824	3.274016	3.301363	3.339146	3.124918	3.118427	3.378747	3.15438	3.039624	3.101689	3.397417	3.054692
DMD	3.6538865	3.981511	3.9808735	3.802991	4.244458	4.0645295	4.420212	4.55775	4.4747835	4.4649935	3.992815	4.382021
ZNF473	6.4936395	6.4847945	6.2757285	6.6464255	5.966416	6.42407	6.251054	6.126851	6.3511235	6.298601	6.844888	6.114628
RPS19BP1	8.771465	8.451266	8.316993	8.989271	9.662563	9.849689	9.862379	9.539643	8.645541	8.964073	9.62706	8.699129
PTPRH	4.503778	4.629444	4.540933	4.442063	4.407264	7.094368	5.905833	4.646717	4.085418	4.694097	7.002813	5.294585
OXCT2	4.790945	5.1345325	5.153376	5.041375	4.9101735	4.984136	4.8112475	4.8907355	4.742278	4.42502	4.7706955	4.8990795
SLC29A2	4.11335	4.515409	4.350542	4.720562	4.784997	4.418939	5.012239	4.880785	4.396195	4.644711	4.396818	4.510755
YEATS4	6.494328	6.59977	6.027678	7.007769	7.458248	7.87805	8.205385	7.252195	7.760311	6.808393	7.968041	6.87765
VGLL4	8.194788	7.907699	8.1128445	7.8268905	7.9451485	7.3798455	7.483834	7.661869	8.3123855	8.9649775	8.0837245	8.9494745
ATP1B4	3.034817	2.898569	2.922143	2.879456	2.958724	2.9259285	2.875645	3.053613	2.996103	2.906492	2.9050785	2.918999
HTR3C	4.420698	4.827278	4.50897	4.400899	4.653326	4.55026	4.865017	4.968184	4.366911	4.460433	4.572138	4.428542
STK33	3.8421325	3.928928	3.94424	4.1174455	4.005182	3.720991	4.035692	4.2212365	4.5536905	4.0568945	4.2335685	3.913332
ITPR1	3.817327	4.099671	4.23566	4.2204185	7.6946485	7.820559	8.7399575	8.370308	6.490285	7.4480735	7.129613	7.1610745
TSC2	5.5230445	5.814498	5.817726	5.5777025	5.529461	5.484718	5.397325	5.5039015	5.1863565	5.538218	5.232733	5.6366245
MUTYH	6.437659	6.288401	6.383224	5.97592	6.594842	5.662108	6.520944	6.537863	6.368815	7.257018	6.814847	7.306755

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
KRT1	4.691142	4.566767	4.890007	4.812409	4.514891	4.56896	4.58103	4.677176	4.5513	4.647942	4.759629	4.646539
CDC23	7.5294965	6.6449015	7.1590395	7.777819	7.6739115	7.5970605	8.22396	7.731592	8.016555	7.2864825	7.8975565	7.445018
TMEM173	8.347407	8.661111	8.400388	8.2078735	7.2112705	7.351024	6.474271	7.0874465	7.6174645	7.0677115	7.676839	6.5798225
SH3KBP1	9.173074	9.281467	8.532655	9.369681	8.866817	9.026258	8.523225	8.753355	9.871866	9.652895	9.216341	9.910913
ACAD8	7.2188	7.272121	7.348038	7.22641	8.487071	7.836304	7.952143	8.615847	8.011779	7.890264	8.42332	7.811769
PIM3	8.430595	8.95369	8.649527	8.427154	8.891551	9.048777	9.948835	8.80036	9.354351	10.0146	9.659719	9.847559
MATK	5.33682	4.975386	5.523666	5.062905	5.000119	5.552116	5.393116	5.150285	5.010951	5.248448	6.534639	6.011124
AKAP6	3.5849995	3.9922095	4.206483	3.800368	3.458389	3.536881	3.4762135	3.5185675	3.380235	3.233926	3.5077605	3.148904
CNN3	9.258644	9.963799	9.954921	10.61895	11.51493	10.96864	11.12202	11.46155	11.41036	10.69346	8.925537	8.898343
SULT4A1	5.334388	5.265961	5.592506	5.076135	5.420292	5.396606	5.21526	5.261131	6.025021	5.977407	5.655402	5.948536
TACC1	5.217403	5.1472095	5.1511605	4.951009	5.683354	5.5845475	5.445582	5.541696	5.503121	5.2885335	5.468283	6.030579
TLN2	7.058721	6.636524	6.904316	6.764566	6.37664	6.442381	5.687923	6.188385	6.517842	6.861454	6.789003	7.047635
OTUB1	8.638044	8.78039	8.535257	8.925533	8.937348	9.129873	9.017062	8.957479	8.711355	8.90876	8.809524	8.87924
ATF3	5.962336	6.061686	6.340279	6.357443	6.273727	7.452538	6.804285	5.969643	8.627001	6.632974	8.09278	6.091573
GCC1	4.244069	4.336106	3.848096	4.112136	4.276664	4.520948	4.069963	4.308357	4.004334	3.756083	3.93655	3.730599
KLF5	4.735378	5.521091	5.5030425	5.327769	5.357009	4.54183	5.008875	5.4624675	7.4420755	5.2392315	4.866577	4.573762
FIBP	10.40961	10.48291	10.34422	10.7941	10.2129	10.01251	9.962774	10.18205	10.01355	10.09694	10.41442	10.04671
KCNQ4	3.950157	4.114643	3.952222	3.732705	3.6315585	3.74297	3.732436	3.7246255	3.723125	3.636644	3.854747	3.549756
RIOK1	8.266739	7.641272	7.993342	8.33759	8.310132	8.437965	8.934805	8.053503	8.369709	8.648057	8.131544	8.711666
BIRC5	7.4418815	7.10096	6.953539	7.613552	8.2631135	4.2244165	8.667237	7.8341085	5.1843275	7.0083265	6.4181375	6.151641
PDZD7	4.289769	4.244174	4.203084	4.042315	4.31988	4.351974	4.212567	4.184354	4.321384	3.774403	4.409247	3.881253
CACHD1	6.8266965	6.233373	6.33772	5.6380555	6.126482	6.4484205	7.232602	6.3129385	5.364463	6.89322	6.180255	6.8697965
CACNG5	4.223516	4.551454	4.381792	4.4779555	4.3796515	4.1863385	4.2692885	4.484089	4.4102415	4.183539	4.483067	4.208609
SPINT1	5.455087	5.577723	5.6410005	5.5198055	5.782007	6.479864	8.346868	5.7041255	5.4685345	5.3064125	5.571377	5.346756
PIP	6.110713	5.736076	5.271409	5.572623	5.653532	5.561031	5.768427	5.936151	5.576059	5.425492	5.559958	5.628658
HCG27	4.064316	4.239134	3.942182	3.820591	4.121471	3.822786	4.237312	4.215972	4.101038	3.950101	4.121629	4.020345
ADAM12	7.954822	6.9702165	7.5777235	7.2413185	5.028327	5.6209765	4.2536195	5.1033915	7.1340825	5.4385285	6.163728	5.1870625
ZNF496	4.9919015	5.3656365	4.9258485	5.1467655	5.0617855	4.686869	5.159432	5.0419795	5.1317985	5.055525	4.91352	5.093458
DFFA	8.424895	8.432974	8.094956	8.005624	9.330822	9.881838	9.745312	9.530798	8.54743	9.317304	10.26009	10.36542
NUDT9	8.515985	8.05419	8.419769	8.763489	8.895366	9.526979	8.806695	8.872549	9.595568	8.739246	8.748478	8.73358

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
HLA-DRA	4.930389	4.5795585	4.444234	4.6786465	4.48144	4.663136	4.2810455	4.264064	4.123385	4.165125	4.431119	10.58526
RCCD1	6.6252305	6.6022905	6.399534	6.5275715	6.08903	6.2160315	6.617177	6.2528415	6.383983	6.471146	6.631521	6.675097
RPL8	12.84797	12.85159	12.98375	13.03633	12.98371	12.96953	13.1203	12.97613	12.91851	13.09526	13.26337	13.19726
CYFIP2	5.000694	5.2496805	5.353985	5.7382605	6.618786	8.8348515	7.354439	7.0592085	5.7169085	7.82491	8.337229	7.4212935
SLC25A35	6.008248	6.0870285	6.1998265	5.9563935	6.4193605	6.446785	6.676435	6.4803785	6.1569645	6.2455075	6.7062435	6.3568955
PTGFR	8.128335	7.328218	5.678496	6.116876	2.8968325	3.234483	3.049764	2.9209715	4.141438	3.050309	3.120856	2.823835
ALG3	8.134939	8.097768	7.890177	8.041755	8.105015	9.171284	8.21163	7.869174	8.154542	7.728413	8.664283	7.714243
KCNMB3	4.374382	4.522991	4.460657	4.657743	4.886753	4.572644	4.967063	4.925995	5.18761	5.353827	4.63241	4.650223
RNF32	2.804838	2.979709	3.260418	2.951641	3.122106	3.344655	3.017302	3.260322	3.897839	3.11508	3.484046	3.059817
CNOT4	5.408774	5.749184	5.725658	4.788471	5.20455	6.224537	5.48054	5.019207	5.761665	4.718031	4.891365	4.729959
REG1A	5.275152	5.25875	5.171548	5.293997	5.231188	5.186352	5.269722	5.432164	5.026908	4.978385	5.155223	4.779743
GABRA1	2.875254	2.886108	2.9076785	2.8077285	2.946774	2.750577	2.8130965	2.8154365	2.927543	2.835772	2.817298	2.747191
ADCY5	5.6159715	5.541326	5.5855665	5.5192815	5.1756435	5.2568505	5.1857005	5.407443	5.556028	5.213796	5.495417	5.059265
PADI1	5.43807	5.6569965	5.700273	5.4113345	5.25943	5.292298	5.0994245	5.0766025	5.2746195	5.2305015	5.346654	5.0702365
ARHGAP4	4.574636	5.528877	4.778965	4.76454	5.016577	4.759417	4.670898	4.749736	4.577897	4.747932	5.008443	4.668359
DZIP1L	6.338659	6.231034	6.093851	5.834383	5.392371	5.516803	6.077889	5.412688	5.418947	5.286082	4.901437	5.585472
EYA4	3.430963	3.4714	3.446094	3.597126	7.796061	7.546199	3.744442	7.506243	8.172315	4.764668	5.419993	3.456247
NCSTN	6.0496445	6.068627	5.9507515	6.1123925	6.0247225	6.143292	5.67553	6.0208935	5.873597	5.8780595	6.086705	5.662876
ZBTB9	6.679489	6.715003	6.848075	6.923607	6.794836	6.861178	6.906888	6.808977	6.786227	6.838122	7.145256	6.895825
OLFM1	7.751188	7.403713	7.077729	7.124817	5.358369	6.238642	4.717161	5.733163	6.09238	5.475913	6.727058	5.908889
KLK3	4.904944	5.160732	4.732303	5.203518	5.035537	4.764668	5.058365	4.879882	4.793709	4.581324	4.80818	4.497558
MKNK2	8.8197425	9.1111635	9.208328	9.0156405	9.176647	10.2807055	9.2456955	9.155127	9.526152	9.560951	9.9606665	9.335684
NDRG4	5.86009	5.248816	5.569354	5.865389	5.900777	4.555686	5.352489	5.565883	4.952984	4.688815	5.006801	5.195897
RPS27A	7.774782	7.192622	7.020354	7.175135	6.669541	6.853673	6.966999	6.603441	6.58111	6.951283	6.676423	7.15109
ADAMTS2	8.4455595	8.5549265	8.212828	7.7022425	4.389064	5.1900045	4.318808	4.4024295	5.264247	5.013053	5.9261095	4.2031245
PRPF38A	7.794773	7.285036	7.179298	7.499158	8.068187	7.275016	8.361251	7.81177	6.745326	7.309651	7.118751	7.125079
TRUB1	5.332258	5.363526	5.072605	4.855966	7.800657	6.600453	7.10814	7.733072	5.652306	4.354568	5.803602	3.769608
LXN	8.437264	8.0376	9.036446	9.599246	10.5479	3.446362	3.591903	10.99332	6.185729	2.952045	3.571428	2.943072
AP1G2	5.3833955	5.290406	5.2592215	5.2772335	5.728587	5.7640885	5.902544	5.7678265	5.5005575	5.578934	5.4057725	5.567418
OSBPL8	10.33136	9.238553	10.13803	10.54443	9.110482	8.90637	8.874857	9.101619	9.844769	9.477186	7.955919	9.360271

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
KCNH2	4.3406015	4.8639825	4.747369	4.666023	5.131508	4.7757565	5.105364	4.998899	4.5645785	5.20843	5.2857535	5.10394
HSD3B7	8.963963	8.818118	8.552649	7.986155	7.260859	9.103677	6.148479	7.322062	6.253279	5.942533	7.966237	7.176837
RTN1	3.6201905	3.432839	3.941313	4.0179205	3.4861985	6.0777035	3.2731295	3.335871	5.2353355	3.6787915	3.37313	3.8086875
GLS	6.90524	6.995104	7.771477	6.984572	8.155601	8.641718	6.800491	8.601999	6.670818	7.236418	6.539156	7.221764
AHDC1	5.51028	5.711796	5.491676	5.589532	5.695115	5.655091	5.412084	5.702759	5.536122	5.286797	5.81206	5.388097
CNTN1	3.327395	3.563349	3.785332	3.386979	3.464953	3.436804	3.186863	3.56512	3.393954	3.535933	3.108344	4.775552
ZNF517	3.960476	4.152634	4.011571	4.27556	4.049702	4.098859	3.768291	4.223583	3.994176	3.931486	4.463095	3.643517
LDLRAD3	7.460567	7.322138	7.871964	7.933414	9.459131	8.576174	9.132271	9.626912	8.616402	9.885319	9.950034	9.232019
ZCCHC17	8.8395915	8.6882965	8.812815	8.890292	8.939852	8.613624	8.5080975	8.930227	8.768196	8.378347	9.0154565	7.975888
QPCT	8.925997	9.234904	9.443298	9.433905	9.485356	10.24746	5.956589	9.737235	9.332767	5.830014	7.332746	6.671194
LACTB	7.884395	7.175983	7.664425	8.208757	7.551861	7.64089	7.434722	7.58487	8.295614	6.877367	7.776412	6.559332
PTTG1	10.65605	10.58285	10.19012	10.61805	10.97982	7.525198	10.83884	10.66089	9.139647	10.5054	9.083372	10.27917
TOR1A	8.446766	8.050381	8.782815	8.728604	8.602765	8.998848	8.231637	8.696779	8.776758	8.118301	9.229138	8.269823
SPIC	2.524717	2.648196	2.712652	2.418161	2.392231	2.371102	2.328522	2.564931	2.476189	2.471678	2.455768	2.377805
PRAME	4.662102	4.901754	4.336623	4.763961	4.683392	4.725734	4.7429	4.895173	4.34658	4.718487	5.01115	4.909381
KLC4	5.301146	5.81786	5.6075925	5.5951515	5.4534825	5.2230055	5.203646	5.4113345	5.4349165	5.2698095	5.3925085	5.313548
CXCL3	9.466303	6.723981	6.039268	6.074305	3.405915	3.492301	3.054452	3.345772	7.294631	4.47678	6.523794	4.138511
CAPN13	3.868687	4.176713	4.130456	4.001041	3.587661	3.459494	3.470882	3.447014	3.286362	3.373495	3.41375	3.124423
UBE2G1	9.08452	9.136254	9.349594	9.049486	10.11565	9.994395	10.34112	10.1515	8.893776	8.835367	9.690258	8.283089
CCDC7	4.79349	4.908234	4.901368	5.066338	4.829173	4.593183	4.861204	4.888187	4.886193	4.638544	4.889821	4.693221
RNF185	8.431225	8.719976	8.949942	8.301369	7.561902	7.931831	7.417935	7.722816	8.478039	7.948255	8.101537	7.758222
SUPT5H	7.803757	8.34745	8.097668	8.333155	8.378063	8.246208	8.022587	8.293289	8.05668	8.328493	8.03294	8.208469
CD247	3.885504	4.344906	3.795333	3.974858	4.801897	4.47117	5.109153	4.56311	4.064099	4.064227	4.222281	4.686421
CHI3L1	4.065657	4.804358	5.090814	4.748619	3.627628	3.605424	3.485053	3.739063	3.870664	6.458105	3.78139	3.57157
SIGLEC7	4.889459	5.113705	4.903896	4.834406	4.920404	4.798942	5.090692	4.979432	4.852078	4.691623	4.74731	4.769809
NFATC2	4.7498925	4.7023825	4.606278	4.288306	5.036483	5.527207	5.1985215	4.892926	4.4565715	5.4906305	5.6921165	5.3378705
VWA1	5.027445	5.606556	5.329253	5.447061	5.469171	5.299591	5.363478	5.329043	5.33921	5.187596	5.311195	4.90679
ENY2	6.433878	5.858644	6.224422	6.534362	6.899272	6.598391	7.875359	6.834094	8.412962	6.535794	5.906985	6.082145
OR1G1	4.208548	3.880584	4.70118	4.407403	4.922753	4.934013	4.522188	4.790734	4.578905	4.527296	4.891382	4.509895
ARHGAP6	4.266991	4.0241615	4.3746775	4.569591	4.3327995	4.5298425	5.102132	4.3220345	3.9972065	5.3582475	4.6796435	6.1973105

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
PRSS1	3.353345	3.529907	3.319806	3.165407	3.327178	2.920224	3.066879	3.143142	3.395011	3.356713	3.331282	3.293445
CENPA	7.318164	7.297679	6.895625	7.338452	7.596519	6.097604	8.380489	7.26308	6.268134	7.042523	6.891061	6.694761
SPATA22	2.544117	3.013729	2.678035	3.189578	6.574559	3.184552	4.73611	6.750079	2.524337	2.854292	2.461556	2.488358
MAP1LC3C	3.691132	3.861301	4.319702	3.968877	5.137175	4.253285	5.690558	5.027048	6.316915	5.375078	4.29508	6.618729
ENTPD7	6.4132785	5.8131465	6.476668	6.661319	6.5137685	6.5767305	6.662219	6.5496275	7.0657705	6.2093785	6.197129	5.9705075
CSNK1E	7.6609475	7.598859	7.8675325	7.895689	7.4667385	8.1428245	7.192819	7.507885	7.8106705	7.729624	8.36162	8.0419545
ISLR2	5.156448	5.531215	5.202451	5.425933	5.690362	5.548973	5.504579	5.540512	5.39513	4.576406	5.457822	5.247783
BSDC1	8.057205	7.918652	7.967153	7.715363	7.103099	7.607606	6.98014	6.970429	7.961449	8.017936	8.379894	7.874306
PXDN	10.159454	9.5522275	9.848495	10.2837605	4.7361845	6.008298	4.625073	4.916088	11.409225	8.0018665	4.7984585	8.530271
LPAL2	4.258744	4.24753	4.0522535	4.035197	4.326794	4.2473595	4.2614255	4.2870015	4.104089	4.225856	4.3015365	4.4631215
VWCE	6.483812	6.517647	5.906564	6.354366	6.808903	6.504114	6.859698	7.392316	6.188173	7.125964	6.669716	7.073124
HTRA4	4.873277	4.714423	5.321715	4.364786	4.406338	3.784096	3.820165	4.622129	4.617892	4.028644	4.386161	3.92273
MPP6	6.057798	5.59976	6.2474715	6.1901195	5.944404	7.5451975	6.6837025	5.6964075	6.1652525	6.6240125	6.451078	6.4015515
CBX2	5.2666	5.4876415	5.3248665	5.372866	5.4948765	5.499964	5.6725625	5.618839	5.430052	5.459909	5.5659815	5.372789
FOXE1	3.393849	3.561329	3.571419	3.454418	3.3447	3.263927	3.516037	3.442005	3.232629	3.085375	3.408376	3.012127
MICAL1	7.826193	7.720136	8.082993	7.968666	8.418149	6.973571	7.362254	8.431695	7.095988	8.683245	7.142739	7.868745
MB	4.249144	4.661992	4.318228	4.312677	4.357354	4.125058	4.250419	4.293633	4.333991	4.13063	4.187286	4.033732
PLA2G3	4.760529	4.879249	4.554003	5.097321	4.98683	4.827885	4.841905	4.893269	4.726293	4.631813	4.797364	4.522707
ALG5	5.201176	3.174422	3.832053	5.246461	5.587925	6.337028	5.777907	6.365564	5.894116	5.239795	6.568413	5.347513
ADIPOR2	8.906384	8.626362	9.087566	9.085113	9.002836	9.45323	9.200901	8.858132	9.345079	8.692032	9.247197	9.029463
REEP3	7.1595805	9.2526415	8.833677	8.5642205	8.16956	9.278377	7.8028235	8.068223	8.898471	6.56715	6.4363405	5.951746
TMEM129	6.3082325	6.5502525	6.5692315	6.5012475	6.946201	7.1467505	7.112559	6.698462	7.0483515	7.181101	6.755179	6.958642
GPR52	4.451968	3.940981	3.900518	4.92217	4.235253	3.920205	4.064314	4.031572	4.075419	3.655714	3.564155	3.565093
SNN	5.6210505	5.6784655	5.9140485	5.926192	6.3044345	6.0353225	5.589565	6.3381105	6.752324	6.366585	6.0595695	5.518226
RBM22	8.472691	8.267915	8.930687	8.811375	8.431557	8.683089	8.809662	8.261436	8.269515	8.342825	8.659294	8.327142
FAAH	4.734457	5.106852	4.668143	4.807983	4.727252	4.478071	4.413306	4.635767	4.538589	4.478939	4.581132	4.314973
NPL	3.726186	3.4076925	3.746598	3.7173015	4.564181	4.6189725	5.194374	4.7442415	4.3586315	5.29538	5.1966965	4.9966075
COPS8	7.4083375	7.136814	7.2653605	7.603167	8.289384	8.043011	7.80898	8.305554	7.1927195	7.636124	7.9567525	7.5206795
IZUMO1	2.927462	3.171006	2.95745	3.060825	2.994121	3.122591	3.205991	2.963286	3.450687	2.898842	3.060825	2.75735
ACOT11	4.671025	4.8835105	4.658515	4.7403845	4.287345	4.1556295	4.3484115	4.4190325	4.33785	4.1207065	4.502736	3.8541065

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
VIP	2.537708	2.203501	2.763015	2.478775	2.424026	2.462961	2.413752	2.467217	2.805911	2.324607	2.794572	2.369371
SOCS5	10.25084	10.4464	10.36233	10.45285	8.308441	9.063729	8.335725	8.217327	8.499672	7.283519	7.641823	7.006855
MGST1	11.93838	11.68853	11.76978	11.67337	11.90093	11.99732	10.8768	11.92341	11.57481	10.04234	11.56788	10.52152
PGS1	6.702689	6.221656	6.338733	5.747344	5.548418	5.238811	5.53181	5.616377	5.173055	5.984889	5.304959	5.635381
PHF14	5.4196555	5.3415115	5.581148	5.7474515	6.0576625	6.641485	6.338124	6.0119865	6.918962	6.8736365	5.471994	6.5103215
MAP3K10	6.921839	7.509098	7.155663	7.088983	7.205996	7.230682	7.143648	7.02604	6.962893	6.852938	7.094715	6.632729
PPA1	11.00873	10.75989	11.04666	11.11454	11.63489	12.39277	11.94087	11.54252	10.78709	11.2478	11.62508	11.39753
SF3B1	9.503994	9.358671	8.783905	8.024565	9.235105	9.419003	9.295005	9.263446	7.711064	8.736109	8.225207	8.963859
PSMB5	10.70745	10.37508	10.22549	10.77424	11.42829	11.5827	11.45665	11.45943	10.85447	10.62221	11.09441	10.81572
ZSCAN2	5.333225	5.3962215	5.3491655	5.470032	5.350174	5.044451	4.9666955	5.4606085	5.8016625	5.4125065	5.6877995	5.474849
SLCO1A2	2.706548	2.914424	2.714701	2.960377	3.059667	3.395307	3.117938	2.95681	3.76463	2.851703	2.999736	2.922434
NUDCD2	4.967262	4.111969	4.489782	5.24767	5.919719	6.664629	6.690526	6.625952	6.375919	6.333123	7.003093	6.290621
GCK	5.707283	5.474632	5.15179	5.28989	4.993524	4.85973	5.230988	4.909705	6.045285	4.87324	5.04528	4.7964
RNF24	7.492371	7.5447615	7.456389	7.420336	6.6701225	7.8192635	7.0070205	6.5511475	7.5112965	8.156436	7.78937	7.694568
TRIM40	3.203696	3.538346	3.195939	3.413322	3.339135	3.565093	3.500911	3.533323	3.132902	2.955087	3.59939	3.079958
TFB1M	7.562123	7.346224	6.939006	7.348726	8.91233	8.876878	8.576646	8.978809	7.457171	8.681531	8.336343	8.92753
ANKS1B	3.379871	3.667112	3.407676	3.730355	3.43816	3.49499	3.745099	3.379871	3.675415	6.901576	3.720044	6.946852
SPSB1	5.9235925	6.5541385	5.835114	6.0292225	4.526393	4.7790075	4.010786	4.5652025	7.056667	3.920742	4.979362	4.4195175
UNC13D	4.91399	5.125286	4.868297	5.113304	5.466356	5.215474	5.388011	5.272617	5.042852	4.47508	4.717857	4.746392
REL	3.938646	4.699892	3.773423	3.220734	3.940524	3.306441	4.437605	3.500317	3.717046	3.977248	3.219387	5.326526
GNAT2	4.19041	3.965117	4.216112	3.735077	3.834266	5.864184	4.137743	3.811339	3.459527	3.886184	3.534144	3.565094
SPATA19	3.720182	4.161595	3.795438	3.68149	3.450215	3.624945	3.606441	3.931827	3.720044	3.530441	3.89069	3.436805
MRPL22	8.929011	8.77813	8.673603	9.081038	9.466652	9.881629	9.983095	9.452413	9.112004	9.391948	10.07237	9.684456
VPS28	10.42968	10.14182	10.27889	9.850559	9.768972	9.625946	9.60673	9.704166	9.482912	9.943566	9.913273	9.857218
RPH3A	5.134478	5.476446	5.46774	5.267437	5.442672	5.20754	5.509834	5.450358	5.42618	5.494626	5.580607	5.295293
CD86	3.532219	3.64283	3.565093	3.630611	3.546145	3.864239	3.59832	3.787807	3.976065	3.827182	3.771481	3.516639
ADI1	9.694942	9.464218	9.506053	9.920967	11.04344	11.14734	11.00986	11.01371	9.088095	9.400308	9.625066	9.545725
PHKB	6.5357925	6.216105	6.4965945	6.976588	6.7707675	6.9863955	7.3091245	6.854769	6.9973855	7.15569	5.870911	7.4483195
RPL23A	13.68686	13.73431	13.62529	13.73046	13.87642	13.77039	13.90326	13.88129	13.39159	13.80183	13.61113	13.72688
TMPO	7.487838	8.370676	6.9571	7.417188	7.468381	4.361854	8.575224	6.859539	6.693858	7.045858	6.144655	7.035713

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
RAPSN	3.863364	4.245796	3.651666	3.862373	4.208173	4.540704	3.687826	3.843505	3.761404	3.747434	4.093702	3.684223
MAPK8IP3	5.089804	5.961309	5.5076815	5.552783	5.2674785	5.3600035	5.2687355	5.2844815	5.187974	5.0108635	5.2177885	4.624206
RPS21	10.781465	10.346916	10.5331605	11.1131805	11.3180625	11.4467355	11.5445625	11.241801	10.502258	11.0432935	11.0911405	11.1239165
ABHD10	8.6325755	8.398912	7.9844775	8.56299	8.4297175	9.4587915	9.00282	8.3728035	8.828438	8.7202665	9.1071375	8.864879
TCL6	3.680717	4.3847575	3.839903	4.0514395	3.9961015	3.803831	3.5583165	4.034251	3.821929	3.6895955	3.924865	3.625896
PGAP1	5.003777	4.536784	4.603358	4.764668	5.970476	5.437328	5.373878	5.81104	4.909451	7.585934	3.555606	7.324343
COL9A1	3.8583675	3.865538	3.902016	3.990613	4.0173475	3.9654645	3.9630385	3.882448	3.880503	3.5622365	4.0263115	3.7826885
TLCD1	6.365656	6.561638	6.767293	6.99416	6.923178	7.423826	8.006808	7.086373	6.719273	6.984891	7.79796	7.006546
LMBRD1	6.1367275	5.8642155	6.1306305	5.9319975	6.141691	5.912665	5.937911	6.126239	6.1005705	6.1720865	6.0700665	6.132248
RUVBL1	9.100942	8.735863	8.70017	9.095792	10.46267	10.61775	10.63726	10.43309	8.941535	9.489518	10.74583	9.691628
FOXN4	5.383243	5.562303	5.03278	5.285532	5.414001	5.246183	5.383243	5.537061	5.567859	5.365455	5.836622	5.587657
ZFYVE9	6.3166645	6.0198315	6.286034	6.0891285	5.3992535	6.1952595	5.170645	5.1409975	5.7927035	5.306942	5.390363	5.3546205
BID	8.102945	7.954195	8.009033	8.164068	8.305245	9.273457	7.690054	8.29941	8.542386	7.045578	9.075197	7.321607
PKIB	3.1655515	3.237777	2.77424	3.308563	2.621361	3.09262	7.90821	2.5088995	8.4653945	6.21616	2.9403525	6.768676
SLC13A1	2.6134865	2.2364115	2.395151	2.448807	2.33248	2.507073	2.447886	2.3529435	2.291629	2.3214725	2.4593065	2.3142665
SLC35A1	8.659816	8.317279	8.708508	8.947007	9.038004	9.770388	9.527107	8.866663	9.927729	9.847279	9.723019	10.13311
GEMIN8	5.371907	5.700449	6.645942	4.955059	4.834544	4.32826	4.47334	4.721815	5.593741	4.442089	4.534886	4.819506
SHANK2	3.3939605	3.552828	3.432373	3.4683385	3.4450915	3.6669655	3.337385	3.7352955	3.6584495	3.4080365	3.5273495	3.252233
CUBN	4.518548	4.66959	4.503991	4.643831	5.248795	5.057714	3.817204	5.106319	4.646452	4.544995	4.32925	6.49185
CBX3	10.33921	10.6646	10.50354	10.88406	11.40603	10.76791	11.53876	11.28482	10.47305	10.00258	9.842256	9.98373
NRG3	2.927816	2.742838	2.832154	2.879456	2.772034	2.678838	2.796379	2.870072	3.215844	3.002895	2.794215	3.137481
ISCA1	8.958556	8.515603	9.152577	8.850205	9.747041	10.32981	9.544325	9.828187	9.094678	8.381771	9.40188	8.641974
PDCD6	6.190729	5.158041	5.86918	4.670949	5.653463	5.528878	6.031632	5.528878	4.896069	8.212522	6.815111	7.802579
TCP10L	4.295379	4.7527935	4.38131	4.283974	4.308513	4.239489	4.1718855	4.356513	4.3730645	4.3672815	4.5370135	4.2542385
WDR60	3.809164	3.895772	4.035893	4.335361	4.116851	4.453734	4.453444	4.573405	4.678517	4.288626	4.353907	4.212729
NES	6.224245	6.9049095	6.5490585	6.692737	8.0876965	7.0437065	8.527861	7.8389745	4.955928	7.565644	8.288499	6.6809065
PUS7	8.54744	8.209064	8.604485	8.298792	9.101837	10.0343	9.628613	8.988937	8.501821	9.491531	9.101647	9.431941
DCST2	4.027916	4.684522	4.447634	4.095412	3.980214	4.050318	3.914647	4.209784	4.145293	3.840831	3.879057	3.454595
HOXC11	5.428671	6.219797	5.954016	5.986805	6.739973	6.149693	6.915876	6.926754	5.569301	6.554619	5.829752	6.52668
FSD2	4.675082	4.393968	4.531373	4.678516	4.680562	4.691359	4.411757	5.050385	4.743605	4.704427	5.000705	4.650509

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
DOCK5	5.690453	5.757712	5.2898005	5.7970325	5.5814545	5.312632	5.6631705	5.512946	4.68537	5.3443685	5.3945295	5.654808
S100Z	3.570072	3.626507	3.576187	3.82691	4.04624	4.184065	3.839859	4.017205	3.815502	3.957114	3.902494	3.632427
IRF7	5.697216	6.125321	6.293757	5.750757	7.699574	5.112035	7.910314	7.616155	9.943335	7.571063	9.463597	8.242246
TRIM4	6.721478	6.9375835	7.2187225	6.380488	6.443049	6.2312765	6.9589725	6.515184	6.409076	7.459258	6.760247	7.926983
SENP7	5.320234	5.1765365	5.162438	4.905047	5.207601	4.135717	5.308946	5.2752155	5.5953355	6.37842	4.1721995	5.8484065
DIP2B	3.806211	3.805682	3.390666	3.400362	3.848298	3.756894	3.666084	3.77561	3.726055	3.859506	4.127269	3.677267
ENPP2	12.52871	11.664175	11.833825	11.630845	6.1846875	4.115951	3.420477	6.6433785	6.482626	4.519433	3.7887915	4.193728
GTF2A2	5.363224	4.781517	5.07971	5.69034	6.019703	6.870543	7.557102	5.898147	5.730429	5.876515	5.271765	6.714411
PRSS21	4.089747	5.617359	4.492468	4.62111	4.22263	3.986113	3.997213	4.396768	5.200716	4.279821	4.251758	3.728179
CHL1	2.6576495	2.5098505	2.5985705	2.5930185	6.7651475	2.7364385	2.565761	6.7276185	2.5690925	3.690249	2.5848315	3.117621
RLN2	3.42812	3.265178	3.144423	3.369657	3.415219	3.509833	3.3253	3.203402	4.114789	3.044419	3.643392	2.960729
ITGB4	4.691142	4.891949	4.860465	4.529242	4.653122	5.170839	4.344793	4.522711	4.556612	4.27608	4.805613	4.43318
LOC93622	7.420479	7.436597	7.248858	7.551955	8.259286	8.667051	8.518453	8.04635	8.584696	7.993078	8.752605	7.964587
PADI2	5.166901	5.168212	5.065576	5.529333	5.140555	5.219669	5.14575	5.511463	5.455021	5.377312	5.29437	5.377476
TTLL6	4.179627	4.365846	3.900519	4.096978	4.186813	3.770165	4.239523	4.335726	4.144275	4.141725	4.425028	3.672753
LBP	4.2074615	4.7860555	4.312102	4.472589	4.6700505	4.482978	4.4409595	4.57298	4.27905	4.2411155	4.5166365	4.3068645
PRG2	4.526346	4.789724	4.52775	4.237381	4.020059	4.128188	3.998523	4.068292	4.263676	3.886965	4.201401	3.977317
CDCA3	8.669473	8.8171695	8.0433775	8.4576045	8.773823	5.474618	9.230036	8.4662365	5.7971055	7.661287	7.215931	7.240077
MFN1	8.73249	7.958412	8.485035	8.614255	9.358909	8.819493	9.019626	9.533192	8.178566	7.848887	7.609847	7.799367
KLHL22	6.50647	6.570482	6.634158	6.359509	5.656898	5.083379	5.73159	5.714255	6.258461	5.899345	5.635268	5.045044
HECTD2	3.1007535	3.1319535	3.2041705	3.8658275	2.99122	2.916699	3.371935	3.010033	3.341153	3.466271	2.9929105	3.1423595
KIF21B	4.612671	4.781358	4.776767	5.06094	4.613603	4.367481	4.499092	4.754933	5.068594	4.555167	4.866261	5.04178
RETSAT	8.105625	7.541095	7.568933	8.157673	8.226171	8.955416	8.446034	8.148006	7.972361	7.998694	8.340069	7.791027
IPPK	6.2516275	6.037975	6.3362655	6.325221	6.6920815	6.92734	6.7885095	6.7033045	6.2518025	6.52337	6.901342	6.5830355
RFC1	8.5392615	8.273439	8.495483	8.451325	8.1839095	7.7858755	8.6868395	8.073985	9.163003	8.344034	7.548871	8.315884
WSB1	8.866321	8.777347	9.105999	7.117561	6.970192	5.186882	6.96267	6.792336	7.656628	8.66717	6.267102	8.523709
DYNLL2	7.000722	6.538266	6.99734	7.181582	6.863858	7.755995	7.36933	7.2161	7.098136	6.451245	7.295167	6.457652
PHACTR1	4.982306	4.882777	4.94036	4.869528	4.397716	4.535247	4.07749	4.523156	4.806394	5.048974	4.409523	4.271437
ASB2	4.2754245	4.5659995	3.7421215	4.241785	4.258647	4.0226015	4.290774	4.260013	3.930103	3.6687715	4.174071	3.5396495
POSTN	4.9054165	4.061365	7.325274	7.8355615	3.1325225	4.2748725	3.2096885	3.084535	7.5780735	5.287527	4.9959275	2.991942

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
CC2D1B	5.813591	5.751666	5.756011	5.096926	5.073486	4.634309	4.772961	5.091787	5.205901	5.600685	4.547701	5.585013
AK1	7.555503	7.748319	7.374308	8.0474	8.028495	8.7467355	8.0035595	7.9965135	7.400404	7.468767	7.944048	7.102436
QRICH1	7.411794	7.341156	7.522112	7.6917235	7.203325	7.3341855	7.2875615	7.3049715	7.590423	7.1816275	7.383482	7.181488
ADRA1A	3.451938	3.446708	3.363192	3.301821	3.6047895	3.400678	3.954553	3.801261	3.436902	3.7693995	3.3277935	3.70545
TBX2	5.253178	5.364957	5.503241	6.019963	4.9109315	5.0323075	5.028087	5.0080345	4.7043545	5.509839	5.569756	4.9351545
GNA13	7.237607	6.957387	7.177418	7.381303	7.480046	7.538315	7.527327	7.229682	8.210493	7.94893	7.422038	7.920223
FAIM	7.533655	7.158244	7.889127	7.774743	9.102864	9.309816	8.364162	9.154396	7.984943	6.928394	8.496155	7.05808
KCNK12	3.08327	3.79008	3.171383	3.178773	3.534989	3.13533	3.309077	3.505412	3.441449	3.361058	3.332062	2.983714
PABPN1	7.398336	7.264449	6.789523	6.237577	7.54675	6.577364	7.221713	7.531868	7.461702	8.540165	6.241078	8.575559
NKG7	3.995781	4.462496	4.05569	4.114353	4.222461	3.994249	4.118514	4.028153	4.145243	4.042272	4.306524	4.119519
TLE1	5.538452	5.880602	5.476001	5.778637	6.239658	4.943872	5.505006	6.297555	6.188173	6.813963	6.065738	4.470942
RILP	6.682402	6.986757	6.885827	7.070689	6.692522	6.866134	6.598329	6.735832	6.519392	6.32929	6.925897	6.269769
FGF11	5.497629	5.851733	5.7427435	5.2105235	5.266627	4.931263	5.0349145	5.379236	5.0981715	5.408328	4.883955	5.2323745
LGMN	7.718198	7.496308	7.988525	9.027761	10.91854	9.491316	10.04677	11.10389	9.117186	10.61346	9.752396	10.58223
EGLN3	4.262796	4.457091	4.1954945	3.934438	6.7448375	4.4857415	7.0612865	6.631939	3.9353455	5.956355	4.527739	5.70145
UBL7	8.740584	8.635544	8.272328	8.833219	8.794124	8.49746	8.743826	8.61123	8.693196	8.219697	8.618733	7.958401
POLR1C	7.7905025	7.5348995	7.9625335	7.835059	8.6524905	9.301719	8.32923	8.626824	7.976476	7.9769825	9.1581345	8.126922
TLX2	3.9619815	4.588484	4.245183	4.0751005	4.0189595	4.138677	4.109699	3.9245285	4.1765045	3.960676	4.3758915	3.814549
CLK3	6.6435745	6.6701655	6.4712505	6.423265	6.624484	6.852729	6.44076	6.531983	6.3251675	6.472158	6.686447	6.371862
CLEC12A	3.154438	3.064747	3.344927	3.045025	2.993818	3.137197	2.971327	3.040829	3.046513	3.204658	3.14211	2.969996
CYB5A	8.9513635	8.4012945	8.363463	8.9219765	8.920556	7.208516	8.0448425	8.8751355	9.316073	8.0934875	8.079385	8.0404615
SLC7A10	3.502774	3.681911	3.420802	3.57856	3.730038	3.449296	3.706731	3.736727	3.678443	3.225032	3.987179	3.752161
MCL1	7.525826	6.839262	5.581344	6.613225	6.916415	7.723434	7.405859	7.489671	7.228935	6.959922	7.8951	7.061068
PTPRCAP	5.811076	5.822305	5.783015	5.582723	5.304469	5.232829	5.168144	5.308712	5.455706	5.513124	5.452657	5.090806
SDHC	9.513199	9.397189	9.244245	9.5551305	10.340685	9.7961225	10.120935	10.1917	9.182459	9.114027	9.646893	9.0035285
TCEAL8	9.494674	9.60719	9.778603	9.818046	9.247059	4.567532	9.229269	9.201017	10.01216	8.999748	8.687513	8.779922
PECR	6.351533	6.6625405	6.3719005	6.3534215	6.3152035	5.3448535	6.8229165	6.1768525	6.178782	6.7291185	6.5944915	6.6871945
PIK3R3	4.096357	4.153869	4.014733	4.205531	5.683068	5.744704	5.949913	5.658234	4.877797	5.09122	4.409821	4.978848
DUSP2	5.734118	5.528877	4.888491	5.860559	6.678174	6.467602	5.776793	6.290058	5.34798	5.324505	5.857938	5.619961
MAP2K1	10.30739	10.36939	10.358	10.24479	9.336462	9.721796	9.3864	9.340065	9.868056	9.116319	9.660926	9.142994

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
ZNF585A	5.876678	5.0954045	5.0804015	5.700473	5.5264035	5.8615425	4.621204	5.454064	6.4987235	6.955332	5.986308	6.7311575
MAN2C1	5.864688	5.904021	5.892514	5.670619	5.759521	5.701156	5.753273	5.818991	5.896834	5.306028	5.950175	5.239387
XPA	6.917155	7.059793	7.426962	7.209395	7.203754	7.727919	7.520683	7.178716	7.090686	7.683869	7.303779	7.570568
STAG1	8.483537	8.176712	8.352912	8.547271	7.935164	7.533329	7.834656	7.834039	8.560293	7.079238	7.058302	6.867536
TLE2	5.9309265	6.7571595	6.8230715	5.9847245	6.179886	5.2490435	5.739156	6.0583255	5.3898805	6.9823065	5.371355	6.6458215
CHCHD1	10.14642	9.900926	9.74743	9.979605	10.81067	11.05019	10.7955	10.68787	10.34465	10.01913	10.5807	9.779033
CYP2A13	4.691053	5.066634	5.017276	4.61859	4.665578	4.824814	4.753274	4.90151	4.552644	4.562159	4.746152	4.971789
NPY5R	3.283607	3.02211	3.593762	3.485623	3.592123	3.430197	3.626811	3.659046	4.296024	3.596279	3.860073	3.645802
RAB5C	8.336329	8.4055885	7.7524905	9.2803185	9.1326325	9.886593	8.777234	8.9773825	8.9501755	8.103778	8.8273105	7.538326
OR3A2	3.140892	3.097221	2.956791	3.205991	3.346924	2.994558	2.949188	3.383458	3.062662	2.955087	2.994558	3.155771
NPHS2	5.072502	4.813768	4.92337	5.160142	5.30447	5.137252	5.145762	5.437579	5.333229	4.935044	5.617708	4.980124
KRT24	3.875981	4.117247	3.702884	4.187944	3.976496	4.934505	3.824315	4.102502	3.741728	3.619196	3.933562	3.819307
TOE1	7.343992	7.404012	7.507133	7.348669	7.90464	7.28465	8.237844	7.695106	7.294884	7.39762	8.171618	7.620722
BCOR	5.5607975	5.745023	6.689949	5.6887475	5.749904	5.2208945	6.200618	5.64878	5.6250675	7.077228	6.1627655	6.8948555
CDK7	10.16149	10.51781	10.47701	9.679155	9.854041	10.33278	9.564949	9.824801	9.301411	8.88759	10.01811	9.179969
PRTN3	3.239476	3.368112	3.436569	3.377626	3.518664	3.679837	3.294534	3.358785	3.075714	3.191715	3.469108	3.219128
GLMN	7.518657	6.617158	7.231305	7.348106	8.066008	8.406146	8.68877	8.000926	7.585142	8.351593	7.569221	7.940618
MTM1	5.0123155	5.047123	5.4502815	5.4341145	5.3254005	5.994835	5.3718495	5.559696	5.5382385	3.9581845	5.458371	4.2126165
IL9	2.885164	3.223778	2.762639	2.913252	3.000639	2.859426	2.880854	2.996639	2.92316	2.909553	3.139037	2.814908
EPHX1	7.200388	7.733854	7.110626	7.813245	6.334898	5.813482	5.674801	6.045476	6.450295	5.710442	5.214114	5.24673
TAAR8	4.102704	4.111244	4.117063	4.290102	4.271746	4.458926	4.113422	4.239093	4.267323	3.900519	4.440238	4.029384
SH3BP5L	8.354836	8.275119	7.567371	8.107652	7.24783	7.225607	6.878253	7.066303	6.891781	6.817787	6.976621	6.783746
BCL2	4.9022795	5.0845085	4.885088	4.8868365	5.071124	5.126626	4.865898	5.0180365	5.134181	4.8729735	5.360056	5.0492785
ACAD10	5.173232	5.64137	5.1686135	5.0870435	5.4162915	5.8407185	5.122482	5.346013	4.880852	5.1378895	5.3327205	5.10722
OR5H1	2.32084	2.2877345	2.503818	2.2785795	2.1926335	2.3546065	2.367484	2.276071	2.2556015	2.334683	2.407369	2.4220555
ANAPC7	7.0018005	6.1694785	6.874247	7.066333	7.907475	7.664409	8.101918	7.867645	7.8325775	7.8775365	7.742335	7.89943
MTMR14	6.512877	6.4866285	6.3811125	6.3728985	6.3796785	6.319749	6.119432	6.276719	6.681612	6.269098	6.8085695	6.6476435
SNRPG	11.37629	11.1631	10.9782	11.4265	11.96957	11.64758	12.13324	11.87383	11.03119	11.30158	11.67948	11.47367
EGR4	4.608435	5.150387	4.666091	4.860706	4.592452	4.634066	4.667025	4.571501	4.620265	4.32861	4.328498	4.342304
CHST10	6.430496	6.930275	7.110075	7.142904	6.908208	6.751612	6.242492	6.612851	7.872457	7.151771	7.523971	7.11542

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
CSF1	5.506286	5.8762115	5.392759	5.30189	5.5067605	5.7140205	5.262442	5.4295655	5.498969	4.937346	5.423297	5.095601
PTGER1	6.144237	6.580805	6.398967	6.576337	6.136098	6.292018	5.895502	6.412254	6.671968	5.97436	6.64611	5.912777
PHACTR4	7.1718175	7.442267	7.148038	7.263341	7.5206355	7.4662285	7.627569	7.3174655	8.4147585	8.212568	7.83814	8.1557785
CETP	3.757406	4.170249	3.565094	4.088003	3.900519	4.171761	3.712312	3.739123	3.784686	3.586768	3.699335	3.49573
SIGLEC5	4.563135	5.270017	4.624829	4.743834	4.915182	4.764669	4.53089	4.998789	4.759743	4.369127	4.630136	4.569907
RUFY3	6.46673	6.780679	7.206263	5.915606	6.069691	4.972391	6.040927	5.983383	6.611175	6.568021	6.085304	6.971777
ZNF552	5.190655	5.6236275	5.1923765	4.977282	5.12705	5.606191	5.414235	5.4157475	5.08448	5.1661555	5.27052	4.7954455
PPP1R14D	4.043296	4.555498	3.858446	4.047023	4.073945	3.939745	4.269976	4.299106	3.842319	3.658676	3.996799	3.744248
VGF	5.334388	6.172129	5.427012	5.528877	5.264415	5.008828	5.195162	5.098528	5.12512	4.905669	5.172897	4.961296
ADAM9	9.729442	9.992678	9.964336	9.580184	10.02285	10.21706	9.270363	10.05558	8.997577	7.543609	8.28269	6.568229
ABHD12	8.124976	8.149179	8.119812	8.640104	7.901972	8.021429	7.907196	7.806416	8.818248	7.400878	7.202465	6.772512
PAPOLA	8.9085065	8.6412365	8.9255255	8.801518	9.065343	9.419498	9.4375335	9.0626875	8.4352265	8.081409	8.309737	8.2054175
CLEC4F	4.500906	4.676455	4.733954	5.320822	5.112305	4.721797	4.773792	4.817247	4.638264	4.324059	4.579655	4.38201
RAD9B	2.6228985	2.7034615	2.902153	2.819417	3.0056845	3.014458	2.945546	2.8556295	3.5366485	2.7611815	3.021972	2.7319565
ZC3H10	4.788161	4.7241695	4.6522465	4.874244	4.8668785	4.7858465	4.650061	4.9569845	4.9255635	4.6427905	4.7945715	4.6636655
ATG10	5.3211295	5.3611705	5.3623285	5.23747	5.8457305	5.2500755	5.9682515	5.8790035	5.497989	5.2104945	5.5357395	4.983395
LHX9	3.761341	3.9689395	3.9928045	3.893269	4.529935	4.6794215	4.2152225	4.618318	3.739966	6.2806895	4.3321665	4.8736355
AKAP7	5.414729	6.105705	5.564399	5.834558	6.987907	5.984173	6.944276	6.967894	5.602089	6.252662	6.150093	5.860942
LMNB2	8.468903	8.751393	8.610629	8.664047	8.545358	7.934401	9.069368	8.028963	7.43215	8.815635	7.953535	8.528488
PDE9A	3.6928675	4.0089725	3.8314685	3.5846865	3.733255	3.727789	3.6044845	3.435627	3.706411	3.863011	3.8331395	3.741504
PCYT1B	3.335947	3.783875	3.225109	3.600247	3.914699	3.566678	3.610443	3.92909	3.537785	3.397313	3.639167	3.768297
FKBP5	6.493066	6.762143	6.750004	7.222106	7.451373	7.185673	8.243174	6.907849	7.38103	7.73817	6.216934	7.400361
POP5	9.118502	8.39143	8.35999	9.428527	10.45381	9.814713	10.35068	10.47013	9.420307	9.413855	10.24238	9.278837
PAPPA2	4.663982	4.208708	4.737518	4.9302645	4.2880355	4.7349835	4.273147	4.189808	5.006731	4.578384	5.903884	4.842934
RBM12	8.21954	8.455999	8.5474145	8.3808835	8.0839385	8.8675895	8.7123185	7.9892565	8.962705	8.67384	8.415068	8.4934015
SUMF1	9.597958	9.305866	9.374931	9.609364	9.679264	9.834712	9.13013	9.649234	9.909478	8.960608	9.162379	8.899405
RDH16	5.515194	5.747165	5.155355	5.314517	5.004349	4.674775	4.841769	5.098507	4.850907	4.30135	4.852322	4.522051
MYOM2	4.643064	4.30104	4.30887	4.985734	4.638446	4.280215	4.566086	4.569099	5.616317	4.487405	4.577528	3.798757
CCT3	11.0795	10.63466	10.81512	11.0421	11.86584	12.1833	12.01325	11.81733	10.94056	11.60075	11.85756	11.76109
NANOS1	3.6991035	4.0426905	4.9152215	4.1482135	5.085939	5.287627	4.6612805	5.1281235	5.7537955	4.6388515	4.975671	4.6707845

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
ZNF572	4.613639	4.299193	4.21009	4.713807	4.611269	4.208382	4.667578	4.776447	4.572828	4.648455	4.540007	4.620265
BNC2	7.7819845	7.483985	7.299165	7.3826195	4.7351795	5.231718	5.986774	4.8331195	6.96154	5.681136	4.1545435	6.87677
EFTUD2	7.569018	7.167969	7.436502	7.52391	7.6393895	8.066522	7.7497115	7.6568825	7.4347895	7.4207395	7.6484685	7.467492
CIC	7.883681	8.218122	7.861764	7.603386	7.346004	6.718603	7.164164	7.203493	7.275604	7.333609	7.161545	7.253829
NENF	5.0472	5.1882835	4.943421	5.1991635	5.010673	5.0675315	4.9723655	5.232602	4.846158	4.9937485	4.997204	5.0197995
PALMD	3.50146	3.440039	3.331704	3.500401	7.121767	3.445644	3.781822	6.657018	3.39707	3.607173	3.381119	4.056639
PDE4DIP	7.261276	5.708517	6.9591505	6.6862965	4.859237	4.463699	4.9429005	4.895223	5.630927	4.7611645	4.721791	4.2429195
MRPL55	6.5508615	7.0177355	6.6238975	6.6538765	6.8683445	6.657421	6.753917	6.8389735	6.888789	6.771057	7.071917	6.841927
ATP6V0A4	2.978451	3.164114	3.277496	3.195894	3.186912	3.607701	3.07684	3.200566	3.30288	3.164268	3.378395	2.944612
ZDHHC16	9.810932	9.089859	9.372707	9.352226	8.87447	8.765999	9.133092	8.818245	8.423466	8.412954	8.747993	8.272371
OLFM4	2.436646	2.521499	2.424488	2.389801	2.554014	2.527981	2.443742	2.920631	2.582555	2.302164	2.658403	2.324337
LYPD3	6.079245	6.098488	5.916295	5.87341	6.380642	5.973357	6.110585	6.477353	6.196622	6.153294	6.765974	5.800548
DLX4	3.970053	4.006068	4.012693	4.021163	3.9181565	3.8464915	3.845577	3.82224	3.8708505	3.7823075	3.9442545	3.637203
MPPED2	2.696144	2.7139255	2.863544	2.775651	2.6948695	2.502179	5.0945285	2.8331265	2.565908	7.377235	2.755605	7.6092995
SFXN4	6.429256	6.3136535	6.3370505	6.4229715	7.142801	7.808028	7.7225565	7.048754	6.7560875	7.346629	7.71086	7.2845415
USP21	7.64171	7.612754	7.288233	7.332535	7.402089	7.027972	7.049495	7.283856	7.102088	7.250296	7.287601	7.09837
SLC35B4	7.077329	6.611956	6.942148	6.983255	6.224913	7.032628	6.995896	6.193249	6.727599	7.262015	6.694667	6.751355
APOE	6.255812	6.271877	6.133105	6.008855	9.079262	7.459738	8.756747	8.955327	8.379132	8.90116	5.875787	7.481231
PGBD5	4.1159645	4.2027805	3.661511	4.28247	4.302167	4.2336145	5.1161395	4.2805575	5.1080125	5.646429	5.4486265	5.701795
LRRN3	5.097628	4.7732675	4.1439125	7.084572	5.4060665	3.7256595	4.1251775	5.303536	6.678345	4.906826	4.157618	6.8336825
PAK3	3.826133	4.3702645	4.001172	4.051347	7.1019015	6.922283	8.9609335	7.1691885	3.9396995	9.018833	5.9967	9.3335
UTRN	8.007103	7.862637	7.759887	7.054646	7.361447	6.782799	8.925494	7.136909	5.751166	6.748954	5.683335	6.59843
KIF14	7.959684	7.507377	6.5297655	7.7338875	7.8556215	3.803038	7.8344735	7.4579935	4.1340245	6.906404	3.987057	6.409783
TMEM92	4.76446	5.0658385	5.1589555	4.9696645	4.930584	4.826708	4.9691585	5.118029	4.837623	4.6732155	5.0343395	4.732053
ZAN	5.164694	5.272303	5.283872	5.366723	5.406235	5.301741	5.39916	5.402978	5.30969	5.018145	5.536334	5.015357
RHOB	4.109221	4.499042	4.156353	4.033357	4.091708	4.325669	4.15183	3.938198	4.089769	3.795528	4.217273	3.836439
NUS1	9.3226445	9.2252285	9.165485	9.055412	8.701894	9.6429185	9.434507	8.6568195	8.69961	8.2375795	8.6740835	8.401524
SNAPC2	6.384887	6.839416	6.080445	6.346254	5.61897	5.342398	5.783484	5.719675	5.685699	5.275052	5.780434	5.036839
RGS5	4.284432	4.4895355	4.146727	4.3641475	4.380989	5.628844	4.476861	4.3370355	7.4120095	4.0195395	5.7382075	4.451627
OXCT1	8.980152	8.578206	8.572719	9.24476	9.070121	6.602957	8.846838	8.911669	9.575104	9.392673	7.687666	8.646761

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
FBXL6	5.4344635	5.5745595	5.399796	5.442566	5.513403	5.5367205	5.830829	5.129633	5.1777305	5.4251785	5.1522665	5.108437
USP29	3.439212	3.283865	3.705667	4.092825	3.92123	3.602468	3.516132	3.620436	3.538195	3.33853	3.381429	3.695601
FOXA3	3.719892	4.13749	3.74004	3.9164	3.715957	3.904695	4.095897	4.022517	4.510637	3.84172	4.076519	4.163026
MAGI1	4.3093785	4.2587965	4.5138505	4.706571	4.2233645	4.1060205	4.0251595	4.228841	4.180739	4.660446	4.185582	4.5896955
COASY	8.07857	8.030282	8.146993	8.208994	8.293602	8.801997	8.535717	8.429115	7.603869	7.680704	8.045145	8.070229
DMBT1	5.633232	5.722421	5.658583	5.886593	6.347219	5.95542	5.893122	6.248991	5.843396	5.930148	6.027903	5.337365
PTGER3	4.31027	4.225545	3.851877	5.5139045	7.9411925	6.034551	6.388565	7.969809	3.5337065	6.8980205	4.6933215	6.6232455
AP1M1	8.374543	8.816135	8.3365255	8.1955525	7.978589	8.38885	8.0085295	7.8131485	7.6552155	7.227281	7.7172035	6.861041
KLK8	4.6292595	4.9441575	4.3576885	4.621477	4.58187	4.3204815	4.397624	4.4607655	4.4139765	4.332967	4.4033605	4.272579
DDX19B	5.413966	5.318566	6.320529	5.967896	5.316781	5.334273	5.473209	5.342704	6.207567	5.691179	5.675931	5.721107
RNF141	5.492316	5.500808	5.795202	5.743058	5.475515	5.585691	5.0048005	5.463251	5.379961	4.7734395	5.394966	4.5871725
IRF2	7.260443	7.539737	7.487838	7.377925	7.158534	6.885786	7.02285	6.965703	7.971026	7.25679	6.972429	6.631847
ATRX	7.680806	7.2770195	7.58162	7.192479	8.8563965	8.2471575	8.562848	8.980997	7.953139	8.6882825	5.734169	8.813345
NHLRC2	4.542774	4.378259	4.4432985	4.65232	4.55177	4.665233	4.498016	4.4524895	5.007575	4.365851	4.1775385	4.074309
PGK1	11.760225	11.64981	11.65564	11.52204	10.73632	10.711375	10.92058	10.87451	10.162145	10.30932	10.616295	9.8437105
ABCC2	3.911011	4.303883	3.250911	4.375533	7.39157	5.752666	5.004201	7.675168	3.565093	3.60398	4.606345	3.649341
HELZ	7.873297	7.454916	7.779648	7.662364	7.538095	7.309133	7.890098	7.397391	6.608706	8.397317	6.539156	8.165744
CD37	3.9500165	4.450955	4.062245	4.214199	4.274629	4.1842515	4.0236605	4.156551	4.0853875	3.8765455	4.202376	3.849963
ZNF18	6.922753	6.819026	6.766566	6.900877	6.913822	7.27632	6.763182	6.657018	7.370686	7.426263	7.338364	7.344794
HOXB5	6.0167735	6.1732685	5.733955	6.238073	6.4241125	6.1375845	6.2455385	6.381778	5.6375565	6.4303105	6.8043545	6.26312
UBASH3A	3.161258	2.934481	3.062583	3.022465	3.194875	3.273896	2.964387	3.438555	3.179822	2.978891	3.201376	2.931014
LRRFIP2	5.036553	4.394423	4.384552	4.230654	4.406248	4.053586	4.321417	4.406248	4.151288	4.624828	4.242329	5.165027
ZNF93	5.2809445	5.670082	5.461519	5.2333315	4.333606	3.59332	3.70397	4.149058	4.9345875	5.1357345	3.972759	4.5065025
TRADD	8.160374	8.064419	8.168856	7.84347	7.749659	7.640942	7.486744	7.777889	7.56841	7.595431	8.402938	7.664225
TREX2	4.861077	4.849906	4.979357	4.60299	4.522235	4.746819	4.871706	4.630939	4.394538	4.199224	4.747758	3.968644
HRH4	2.9936065	2.7141495	2.9487455	3.093123	2.990965	2.9735915	2.9340045	3.1086665	2.826777	2.736992	3.070556	2.9310385
GPC2	4.634066	4.559177	4.463525	4.275561	4.007012	4.357669	4.673369	4.18774	4.751501	4.539772	3.743827	4.923508
EPO	4.456728	4.785509	4.4756975	4.3910315	4.2391985	4.2389025	4.3356015	4.382559	4.4283675	4.24793	4.3671585	4.1487185
RARA	5.987677	6.628318	6.31288	5.714101	5.781744	5.820979	5.412739	5.560106	5.745236	6.044042	5.862268	5.759339
SPRR1B	3.208554	3.160795	3.470311	3.39958	3.206348	3.546329	3.370421	3.272526	3.743841	3.265178	3.48462	3.548922

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
CAPSL	3.3338	3.83443	3.900518	3.690651	4.801379	3.698126	3.330149	4.927254	3.079849	2.975302	3.070651	3.287196
KCNJ3	3.653659	3.464499	3.343061	3.174427	6.527285	3.907465	3.983826	6.514693	3.122972	3.340155	3.501452	3.847238
SHMT1	4.900157	4.8614985	4.839407	5.207939	5.298875	4.9526205	5.1919375	5.133923	5.608688	4.9871275	4.8089445	4.8068075
ZNF551	5.81805	5.519369	6.003473	5.683905	5.187509	5.748514	5.96553	5.20847	5.630908	5.870555	5.652161	6.240605
WBP11	8.565601	8.919022	8.451309	8.256871	8.009103	7.912858	8.438953	7.760321	7.610932	7.352112	7.2062	7.104161
DOCK4	3.8261275	4.0000455	4.037845	3.81508	4.026834	4.2786545	4.172088	3.8523505	4.0415505	4.3856075	3.9653095	5.1091935
TRPS1	7.60298	7.03967	7.405107	6.655962	7.497228	6.4261945	6.7461885	7.3346	6.250899	6.82995	6.112105	6.5004275
KLHL12	7.8902015	7.67225	7.7022655	7.868768	8.225983	7.6119715	7.6454885	8.1785085	8.3223735	7.5301635	8.2271615	7.3020145
CPM	5.5430215	5.5017245	4.948703	4.927899	5.026927	5.7396185	8.1854835	4.8854495	3.5283585	5.3154525	3.6098455	4.344165
NEU3	5.439527	5.6405455	5.534883	5.503204	5.399561	5.260004	5.185267	5.3937735	5.2317275	5.017715	5.2548615	4.961283
PAPOLG	5.778505	5.603742	5.535718	5.915768	5.78357	6.358497	5.9507	5.915264	6.517431	6.336207	6.015119	5.651844
GRIK2	2.720207	2.755719	2.994639	2.8073	3.763044	3.038325	2.975196	3.97399	2.5335105	2.9510235	2.625542	2.7833265
POLB	5.3186055	5.6001745	5.381662	5.3467965	5.682276	5.677123	5.7792555	5.536073	6.2305635	6.0683275	5.616414	5.764912
ZNF165	2.988203	3.122606	3.324182	3.042446	3.209563	3.660584	3.515146	3.13287	4.155199	2.948827	3.468501	2.943854
ZXDA	5.73398	5.897746	6.270753	6.149686	5.946222	6.235213	6.173583	6.12455	7.229294	6.544988	7.258501	6.333633
COMMD5	6.818005	6.734349	7.0294855	7.368244	8.0349785	8.109596	7.7161385	8.0335235	8.0404275	7.314964	8.113468	6.750945
KIF23	6.8856355	6.0189705	6.2425285	6.55985	5.926003	4.7366635	6.9243805	5.833634	4.593626	5.865912	4.9211435	5.88883
HIST1H2BO	2.684224	3.132351	3.218276	3.245138	3.690821	3.941211	3.928952	3.747885	3.867304	3.331583	4.027889	3.257856
ZYG11A	4.187536	4.434446	4.600456	4.597146	4.508348	4.225027	4.434446	4.570474	5.533427	4.296999	3.830707	3.682696
STMN4	4.8896225	4.8964545	4.5330355	4.778496	4.894743	4.6575335	4.7616525	4.877456	4.8307455	4.5526855	4.849817	4.9682995
GNB4	8.568589	8.082063	8.014019	7.705631	6.981929	7.027457	6.057029	7.134379	8.072504	6.284306	7.116574	6.229867
CER1	4.84389	4.859982	4.67739	4.699554	4.658563	4.771953	4.843242	4.855263	4.772601	4.742128	4.936665	4.747112
ADHFE1	6.657402	6.56582	6.77317	6.410802	7.699759	7.059593	7.791704	7.990576	6.434626	8.198248	8.458787	7.526218
TRDMT1	4.023011	4.10935	4.013688	3.706081	3.716115	3.689801	3.887917	3.716115	3.700268	4.061246	3.790754	3.873289
RNPEPL1	6.831832	7.402794	6.769229	6.932371	6.657018	6.904449	6.859726	6.740345	6.851994	7.221242	7.278166	7.159795
SNX3	11.49693	11.45202	11.403755	11.5373	11.50498	11.79078	11.44719	11.569335	11.28259	11.482665	11.19017	11.40535
TSPAN4	9.641869	9.9519405	9.626696	9.97187	8.9110565	9.499827	8.933822	8.9012645	10.0499165	9.029437	9.5121785	8.5755685
CCNL2	8.782352	8.753817	9.019779	7.862836	8.838583	7.896633	8.555024	8.758114	7.86047	9.406987	8.239471	9.549246
TRPC3	3.181236	3.1024945	3.166069	3.090947	3.0697425	2.995539	2.811367	2.957999	3.1133155	3.2750245	3.0795455	3.1414005
GTPBP3	6.569902	6.674011	6.1653075	6.5389195	6.4099215	6.1526855	7.114282	6.4698935	6.4787035	6.5129655	6.3561945	6.468073

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
SGCB	9.8719915	9.4796745	9.646839	9.5357105	8.4099245	7.7295065	7.4423585	8.362439	8.853684	7.836061	8.3272475	7.568358
PLK3	7.101537	7.363195	6.774405	6.510026	6.291846	6.466633	5.915759	6.360366	6.58515	6.209332	5.820669	6.520555
PODXL	11.05183	9.503992	9.640425	10.66874	8.044044	11.4749	7.359805	8.245081	8.326871	5.80229	11.32374	5.553334
RNF38	6.809829	6.8099135	7.636826	6.826261	6.8299635	6.8152615	7.037196	6.8350615	7.075903	6.4714995	6.36991	6.0430605
SNAPC4	6.951111	7.1041135	7.0898375	7.0270865	7.8403205	7.7425225	7.4334965	7.759551	7.3473995	7.6362305	8.272333	7.820804
KCNJ13	2.6976075	2.8621815	2.8959055	2.6291415	2.641316	2.527143	2.6505615	2.9275435	2.6109275	2.826233	2.5625875	2.614562
KLHL17	5.654442	5.7900325	5.6338995	5.829814	5.936896	6.0657985	6.2203055	5.841881	5.9499135	5.782942	6.063337	5.573027
CDC26	9.459602	9.268924	9.373953	9.438284	9.631888	9.884473	9.500359	9.527152	9.168354	8.280087	9.229071	7.553732
PLRG1	7.523795	7.718276	7.396349	7.715616	8.182181	9.456764	8.147204	8.170202	8.35057	7.499921	8.200081	7.515698
PRLR	3.372053	3.544074	3.430007	3.10648	3.128466	3.605728	2.846193	3.031306	3.019291	3.405453	3.089708	3.705657
GCNT1	7.0202345	7.4086455	7.498025	8.2559845	4.7998885	4.811397	7.9561115	4.9930395	6.038858	6.16586	5.3893325	5.549265
SEMA3B	5.1057925	5.527212	5.123563	4.7940595	4.7425745	5.875117	4.806218	4.9697645	4.9438785	4.8009485	5.001989	5.010153
ZNF567	5.266406	5.3877545	5.775208	5.3178225	6.1868265	5.528063	5.826335	5.9361275	5.4141755	5.377184	4.832303	4.8785585
MSH6	9.244023	9.594137	9.652336	9.197825	8.328888	7.04345	8.99816	8.049038	8.514048	7.963091	7.357903	7.03342
USP5	7.078701	7.194689	6.682972	7.10754	6.913884	7.627563	6.996978	6.659165	6.253745	6.215656	6.506377	6.329419
GPR174	2.886991	2.59426	2.586856	2.589409	2.532548	2.626334	2.531891	2.596813	2.591834	2.503398	2.613945	2.569724
TMC4	4.810993	4.848415	4.745659	4.916297	4.872038	4.633637	4.649904	4.611891	4.397676	4.447196	4.498955	4.722038
MIER1	6.235213	6.043187	5.837561	6.457245	6.521594	5.997255	6.963238	6.563511	6.2434	6.268167	5.626966	6.230337
POLR2K	9.121605	9.1251705	8.746304	9.248911	9.666788	9.427526	9.815486	9.656538	10.0398425	9.085479	9.5899575	9.091626
PRLH	5.704782	5.923868	5.606422	5.528878	5.943732	5.579949	5.414727	5.714996	5.318513	5.679005	5.665357	5.701326
PPP4R2	8.090532	7.588726	7.634603	8.421385	8.612047	9.010892	8.816205	8.586203	8.891486	9.009408	8.143436	9.196589
SNRPA1	8.4835395	8.2500795	7.971004	8.4492335	9.4846595	10.3201655	9.4764035	9.5184275	7.546041	8.2820965	8.7336755	8.3527295
COG6	6.3418445	6.18583	5.981824	6.530815	5.9884665	6.089428	5.805867	6.0073765	5.909325	6.0158275	5.5250195	6.169803
UBAP1	8.0164605	7.9196965	8.176934	7.918238	7.9347905	8.2354375	7.57601	7.9394315	8.2839445	7.6511015	8.760744	7.4352565
BECN1	8.99623	8.559695	8.65665	9.190594	9.823897	9.618839	9.67154	9.881852	9.309362	8.575549	9.792273	8.628078
SEMA4B	7.57136	7.937684	7.425531	7.144796	6.971679	7.111015	6.548401	7.142668	7.000519	7.051072	7.21836	6.426128
TTF1	7.639362	7.3916705	7.1138155	7.5544845	7.7651495	7.506596	7.993277	7.5983705	7.566281	7.778444	7.3265505	7.837705
ZNF441	3.5998695	3.924402	3.560161	3.456181	3.7507625	3.692508	3.670607	3.8249705	3.7751485	4.1815345	3.535291	3.846403
RSRC1	7.009423	6.421247	6.537838	6.30614	8.840044	7.992411	8.752528	8.762936	6.717557	7.411973	6.890594	7.5454
PDPN	5.5706655	5.6755985	6.281509	4.733423	5.98105	8.1059645	8.794407	5.959799	4.7105345	7.770411	8.9837245	8.8948205

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
LBR	8.767439	8.487794	8.645017	9.198689	9.702487	7.702948	11.53757	9.255964	8.331359	10.73351	7.154428	10.21636
TIMM8B	9.097485	8.7554055	8.5461325	9.163052	10.096693	10.5084325	10.414278	10.1307645	9.5921465	9.35973	9.9848205	9.454405
SH3BP5	9.5333385	9.5482275	10.038632	9.386619	8.9895925	8.43864	9.249985	8.7078265	8.2831505	9.913314	9.165721	9.5501195
FBXL13	3.0109195	2.9690705	2.925004	3.156046	4.3835815	3.0724415	4.056695	4.637303	3.1643885	3.950301	3.057771	2.8996115
P2RY13	3.538788	3.863776	3.734817	3.826424	3.72904	3.76334	3.760195	3.971139	3.714252	3.712155	3.714493	3.392535
FGR	4.439502	4.532258	4.493009	4.468735	5.101237	4.513116	4.67608	4.936808	4.614398	4.517586	4.770957	4.701665
BYSL	8.33725	8.460574	8.201977	8.314016	9.23704	9.616993	9.372248	9.256044	8.704765	8.463433	9.882771	8.383621
FCGR2B	4.360188	4.271933	4.315324	3.989276	4.409589	5.148149	4.266235	4.344096	4.193166	4.344096	4.175649	4.327581
UBE3A	6.588961	6.821633	6.501576	6.7638805	7.139855	7.297864	7.3273335	7.076016	6.6340355	7.1628235	6.674132	7.12433
AQP6	5.559644	5.684996	5.5305155	5.6106155	5.4740895	5.3823825	5.3731255	5.540108	5.442929	5.4386195	5.635682	5.255405
LAMB3	5.718974	6.93118	5.638039	6.343945	5.348991	9.702461	6.324928	5.750177	6.185919	5.12827	8.627033	5.534076
COL4A5	3.404497	3.138065	3.126825	3.2883355	6.505677	6.9107715	6.441796	6.5703615	6.9765865	6.347428	5.8840135	6.4368225
BNIPL	3.363001	3.584848	3.4232695	3.746332	3.580249	3.6228	3.659856	3.7068855	3.52851	3.5618155	3.521864	3.285286
ADAT1	7.163759	6.749824	6.716751	7.455697	7.792202	8.000482	7.72998	7.595029	8.298061	7.331939	8.015066	7.033492
CSTF1	7.479112	7.218592	7.828066	8.1206885	7.930885	8.215704	8.174967	7.908778	7.871999	7.0959645	7.848545	6.838842
MRC2	9.8987955	10.3509135	9.9033805	9.3249145	8.5463305	7.591615	7.680655	8.5452375	8.829626	9.3794535	7.6722155	8.920893
GHRH	4.063303	4.046983	3.757195	3.728392	3.641776	3.42393	3.284683	3.711903	3.546658	3.272418	3.731409	3.379162
ZSWIM3	5.879844	5.79655	5.887405	5.849886	6.122989	6.030499	5.856251	5.907577	6.043564	5.63969	6.026985	5.667227
SH3BGR	5.528877	5.319951	5.379812	5.454216	6.755096	6.427659	6.307161	6.889288	5.803118	6.625616	8.262895	7.635666
ADK	8.7884715	8.2931735	7.4523335	8.8114215	8.891207	8.9791885	8.7856495	9.023778	8.181934	6.5746155	7.4249495	6.700847
ADRA1D	3.62771	4.305366	3.8389675	3.7488515	3.5589255	3.506867	3.423397	3.348259	3.3167575	3.2381745	3.4021265	3.0391695
DAOA	3.703917	3.3767435	3.711738	3.4947265	3.3439045	3.4239595	3.5423025	3.513765	3.4194305	3.425142	3.610713	3.2390035
ITM2C	7.54776	7.849901	8.200705	8.206282	8.680062	8.239874	8.308314	8.707146	8.829144	9.485284	7.946468	9.356364
SERPINF1	9.65589	9.465609	9.032339	8.149479	10.67713	7.298972	8.881302	10.30134	5.056265	11.69022	7.478147	11.27419
MRGPRX2	4.526843	4.28844	3.839319	4.690812	4.887951	4.518585	4.370466	4.834101	4.193722	4.56405	4.775743	4.41842
STARD13	5.6269635	5.1667475	5.672522	5.41898	5.0129235	5.329715	4.5473575	5.023748	5.146856	5.5662565	5.993378	5.446867
CABP1	4.180122	4.417722	4.518442	5.324966	4.323103	4.08001	4.443289	3.97129	4.049393	4.057062	4.218719	4.044844
SCRN2	6.799322	6.8000695	6.6619455	6.778021	6.408704	5.9250285	6.308337	6.459992	6.5833555	6.565636	6.1250215	6.434654
HMBOX1	7.6265485	6.467028	7.330859	6.5997785	8.740476	7.908506	8.3229985	8.7720835	7.651431	9.0634665	8.170014	9.3978775
COL11A1	6.995178	7.782834	7.94118	7.849374	11.95251	10.90269	12.5121	12.01633	11.34555	12.87787	8.718203	12.83025

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
SALL1	7.056596	6.2584215	6.412259	5.3669885	2.924488	6.7305045	4.7983245	2.691105	2.45973	5.4095685	7.1506125	6.946592
HIST2H2BE	5.329823	4.47117	4.727563	5.99739	7.997284	9.455322	8.274192	8.381296	8.413087	7.192895	9.319063	6.792245
HIPK3	5.8823975	6.3573175	6.2033945	5.699201	5.796827	6.1541275	5.183276	5.669462	4.8425025	4.330664	5.000129	3.9225075
OPN3	6.3180705	7.132245	6.8040515	7.0432545	7.4629455	7.3422005	7.1465075	7.812698	7.27309	7.878026	5.615504	7.8507425
RFC2	8.0500015	7.978769	7.921445	8.4706195	8.149573	6.7706905	8.6676625	7.863514	8.0217335	7.7721405	7.7705255	7.537033
DNAL4	7.040559	7.1354	6.989033	6.968664	6.968699	6.813268	6.517107	7.07375	7.796346	7.517878	8.100998	7.324725
MYH10	9.315463	9.098548	9.5814965	8.2649745	10.308396	8.8019845	10.1715645	10.1700005	8.934066	10.442101	8.387073	10.366607
GALNT10	7.721692	8.108656	8.184049	8.601427	7.763739	7.936126	7.277649	7.806112	8.086956	6.820441	8.179462	6.550497
DRD4	4.811253	4.986659	4.639776	5.034103	4.632583	4.785794	4.626757	4.567876	4.966645	4.624828	4.841069	4.455338
PAK2	7.7826145	8.091985	7.690644	7.6553545	6.776328	7.3360945	7.11821	6.2831395	6.3858005	6.6486535	7.201608	6.5243395
GAB1	5.233099	5.402485	5.335369	5.583608	5.632776	5.335897	7.543106	5.542027	5.171598	6.55986	5.027	6.748191
HIST1H2BD	7.0313215	6.653542	7.0283305	8.1590475	10.180167	10.56606	9.5663615	10.62723	9.294472	8.28743	10.693605	8.1186445
IQCH	3.3692635	3.1120885	3.1519635	3.316652	3.320878	3.820627	2.978728	3.2810525	3.281617	3.333262	4.1307455	3.3281095
CTXN1	5.660612	5.725658	5.34085	5.700449	6.139557	5.87079	5.660618	5.801429	5.189071	5.488308	5.418097	5.278908
NKPD1	5.948149	6.344119	5.751368	5.974082	5.98489	5.967703	5.828664	5.911576	5.536962	5.582793	5.826981	5.501368
FAM47B	2.864255	3.086441	3.446221	2.782465	2.934619	3.162567	2.745271	2.869383	2.72177	2.658662	3.196659	2.657015
TLL2	3.471219	3.56654	3.262239	3.682083	4.969818	5.994322	5.189172	5.03911	5.824369	8.574898	6.075878	8.308533
ITIH1	3.901317	4.440299	3.929596	4.154923	4.272873	4.202449	4.265021	4.378894	4.364128	3.823086	4.408428	4.217604
LY6G5C	4.739573	4.744222	4.702609	5.436797	5.989105	6.287448	5.167066	5.860937	5.502002	4.839587	5.860625	4.796052
SAV1	8.123096	8.387273	8.443288	8.161276	7.402557	8.717364	6.594468	7.275924	7.953897	7.172025	7.269522	7.119632
PPP2R3A	10.29322	10.21978	9.907442	8.994709	6.877171	6.758221	7.080488	6.983041	7.056404	7.004683	5.979053	7.061135
FGF14	3.473827	3.635206	3.665918	3.744239	3.728057	6.179402	3.76428	3.803429	3.619906	4.517581	5.200036	3.93715
CPT1A	5.1514125	4.673738	5.0748395	4.8040775	6.9552105	7.460113	7.3899905	6.9708975	3.874283	4.954253	6.217973	5.7063345
NINJ1	6.648734	6.310002	7.0099	6.448884	7.199407	8.14753	6.872171	7.233486	7.60636	7.696387	9.370752	7.480412
OR10H1	4.783347	5.017037	5.011324	4.828668	4.851112	4.888025	4.677351	4.728778	4.85632	4.791734	4.833519	4.637383
USP8	5.215015	4.842639	5.030652	4.986939	5.394609	5.534221	5.4356665	5.430218	5.2793625	5.155597	4.462858	5.3512095
TBRG1	6.7584905	6.3222125	6.619554	5.957379	6.8999115	6.8139065	6.7919115	6.8856045	6.910444	6.6283495	7.6679095	6.42251
RPL28	10.9995805	10.96864	11.064335	11.01008	10.69493	11.2519455	10.911191	10.6333675	10.766634	10.797069	11.1294745	10.8659185
KCNK1	4.8297465	4.883476	4.9801555	4.4422485	4.0017445	4.764378	5.310621	4.0834745	3.8655095	3.976713	4.484603	4.614188
FUT1	4.170211	4.415816	3.788166	4.476089	4.604797	4.868505	5.011244	4.434446	4.299092	4.511909	4.507232	3.927872

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
ABTB2	5.9074285	6.128696	6.112937	5.6611865	5.502534	5.520879	5.3503895	5.246827	5.8833795	5.6574385	5.752973	5.241684
ZCCHC8	6.824761	6.579732	6.7933685	6.6431565	6.4554695	6.4574775	7.173165	6.5201595	7.7200885	7.395682	7.4135865	7.5767645
TMEM67	2.60853	2.714256	2.942601	2.737645	2.866682	2.820075	3.026552	2.893076	2.835897	3.518692	2.844812	3.781822
TSPAN3	5.500589	5.374539	6.153697	6.150591	6.420708	6.084139	6.191269	6.438796	6.631276	5.771532	6.270076	6.241407
GSTA4	7.74788	7.181651	7.804092	7.6950185	9.091139	7.6611815	8.5636155	9.0536915	7.4706965	9.1819755	7.5927655	9.2149445
ARID1A	8.09851	8.388679	8.088601	7.9133305	6.8198025	6.960267	7.1605685	6.60876	6.594018	7.2423775	6.5939715	6.9138605
PLAG1	6.115474	5.859307	5.733725	6.718066	3.832254	5.392614	5.907373	3.891657	6.555865	6.676189	5.246171	6.7159
ICOSLG	5.711468	5.90889	5.78706	5.753718	6.164385	5.881578	6.130769	6.206393	5.996901	6.431331	6.22937	6.190499
GAGE1	3.050518	3.352804	3.360033	3.178882	2.911206	2.911206	3.249654	3.193731	3.269232	2.949739	2.965466	2.567915
PKNOX1	6.512312	6.469041	6.480275	6.8035	6.23171	6.649817	6.237361	6.182947	6.33909	6.718392	6.74432	6.658545
TMEM74	3.076323	3.152637	3.249981	3.357758	2.891882	3.08699	6.034646	3.136374	3.054578	4.098099	3.128009	4.583826
KIFC2	5.699526	6.171857	5.780321	5.6932605	5.323452	5.0116385	5.422094	5.3706985	6.4224195	5.910482	5.1851335	5.4641045
CPNE6	5.1369155	5.42677	5.379848	5.4012905	5.537005	5.184718	5.376403	5.292388	5.392436	5.3109535	5.792818	5.0605565
GLIS3	7.11768	6.8592945	7.2528355	6.3520815	3.6285975	5.871032	4.1370915	3.5095985	6.7348515	4.4851155	4.938251	4.011743
TP53BP2	5.6457165	5.5121945	5.5849425	5.7194315	5.803925	5.6896235	5.7299325	5.722716	5.954094	5.950683	5.7765825	5.9740845
CLDN10	4.259913	4.517339	4.159833	4.3376795	4.049753	3.9811385	4.157654	4.095419	4.011327	3.894767	4.0439965	3.873284
GDPD5	7.066724	7.501158	7.299606	7.1251335	6.431147	6.6257055	6.2718225	6.533598	6.31032	6.6168195	6.4070555	6.4418575
ARHGEF18	8.329671	7.843111	8.300369	8.517097	8.229322	8.046254	8.497558	8.163809	9.098646	8.749723	8.700266	8.354486
PPP2R5C	7.4009635	7.0810695	7.0569685	7.466712	7.888573	8.126449	8.1692405	7.916217	6.9702585	7.9891815	7.688872	7.869208
KIF3B	8.6652435	7.969235	8.420085	8.940839	8.704114	8.40913	8.5635025	8.627645	8.453528	8.6820605	8.4736195	8.3377165
TANC1	4.987569	5.354284	5.379434	5.054071	5.157163	4.975532	5.016161	5.352672	5.155415	4.999119	5.064071	4.925156
STAG2	9.682266	8.969943	9.299133	9.664846	8.323805	8.112314	8.363505	8.177822	7.166839	7.45121	6.747995	7.781358
STYK1	4.064057	3.137359	3.139369	3.585262	3.108592	3.12961	3.159442	3.1222275	3.598182	3.128237	3.1719335	3.1226945
LETMD1	8.334978	8.560539	8.455955	8.081051	8.931106	8.778826	8.968263	8.855698	8.645308	9.107363	9.439029	9.167626
P2RX2	4.938126	5.323956	4.9447375	5.1901045	5.075795	4.9799615	5.1525305	5.3071685	4.7366385	4.711267	4.965727	4.850238
NEK3	5.832686	6.019534	5.664373	4.702859	5.184692	4.890818	5.956411	4.84851	5.434512	5.296366	4.737215	5.156404
GCDH	6.8541575	6.917056	6.942494	7.164755	7.3906935	7.265318	7.9862915	7.2891675	6.96908	7.3588945	7.6160965	7.467048
PDE3A	4.8978385	4.239639	4.50966	5.0179975	4.7948625	4.1548895	4.8258945	4.6705115	4.2650955	5.835668	4.4259085	5.361216
MIOX	5.140349	5.671081	5.849505	5.61792	6.04172	5.761203	5.735138	5.714281	5.960917	5.454133	6.027903	5.493307
TRIM14	4.760528	5.257847	5.17523	4.947042	5.466069	5.08632	6.618349	5.421776	6.38514	5.15044	6.641624	5.15045

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
ITIH5	3.530868	3.7404315	3.659985	3.5807255	3.3589065	3.4042775	3.457603	3.7119745	3.4705445	6.131817	4.467163	5.687187
NUP93	5.7857425	5.4932155	5.490082	5.806729	6.1429715	6.2073425	6.647763	6.0572165	6.217988	6.649312	6.081161	6.543571
HSD11B1L	5.940133	6.2764125	5.860454	6.0211075	6.0108705	5.6899555	5.7721945	5.9891765	5.9973175	5.9864745	5.935032	5.876432
ALDOA	12.46035	12.75071	12.94335	13.26179	12.69707	12.738	12.72923	12.68962	12.65159	12.75605	12.60851	12.46382
CHCHD4	8.133066	7.80428	7.944813	7.996236	8.530308	9.286255	9.130664	8.296101	8.049739	7.888557	9.124467	7.742888
ELOVL5	5.518026	5.2580885	4.9988905	5.272077	5.7242205	6.265364	6.038417	5.862692	5.713055	5.391278	5.7120865	5.2851525
CNOT2	5.9193875	6.245335	6.2050855	6.418402	6.348715	6.414226	6.499079	6.264737	6.4430425	6.406594	5.9382325	6.360978
ZNF593	8.337475	8.287432	7.905364	7.947828	9.387337	9.997738	9.491608	9.243432	8.145988	8.709714	9.969132	9.153667
DNAJB4	9.614474	9.909638	9.5067315	10.298635	8.8325295	9.182238	9.022438	8.738075	10.223745	8.21941	8.4502635	8.577757
CD53	3.920745	3.822572	3.748139	3.602462	3.94966	3.561157	3.728951	3.881501	3.804496	3.767328	3.827905	3.638735
EPS15L1	5.320992	4.97479	5.534571	5.863722	5.497957	5.64225	5.855031	5.539287	5.424538	5.981848	5.542416	5.633455
SYCP1	2.733614	2.898263	2.7690275	2.9551685	2.655692	2.6945145	2.7583925	2.663804	2.7209875	2.685	2.6962705	2.728834
VN1R1	4.156786	4.121575	4.3329	3.911855	4.21009	4.115467	3.848418	3.927334	4.20682	4.23706	4.105762	3.962881
C1D	9.240771	9.341815	9.511618	9.682159	9.773644	9.564631	9.66936	9.676077	9.245868	7.921945	9.241504	7.595044
LDOC1	6.5409825	6.669452	6.439821	6.7133295	4.920395	4.5049455	5.3777285	5.0017115	5.2065885	5.7144125	4.8109635	4.9088275
SLC6A15	6.295269	5.708851	4.5975555	5.5394585	3.175906	3.1112085	3.947704	3.386687	6.435182	4.565038	3.456892	5.4267615
GAB2	7.108076	6.981359	7.447082	7.092418	6.614429	6.777017	6.076135	6.617158	7.36632	6.518909	6.831122	6.344537
SLC6A11	3.497816	3.704105	3.65386	3.397752	3.531266	3.310212	3.396393	3.41385	3.295476	3.423954	3.388242	3.239254
DEK	11.34185	11.29379	10.97466	11.44181	10.66893	8.876732	11.03135	10.58286	11.43757	10.18004	8.908523	9.602606
MAGEA1	3.787914	3.895987	4.112393	4.195473	3.985895	4.23071	4.005301	4.43478	4.108112	4.091689	4.112253	3.834971
ADAM7	4.127624	3.993171	3.82335	4.083501	4.351134	4.786152	4.114353	4.28954	4.155148	4.179812	4.295679	4.117204
GRTP1	4.8490715	3.8520375	3.852896	4.7609435	3.5655295	3.969602	5.7573565	3.807287	4.864246	5.4456455	3.997348	4.161309
HAP1	5.781087	6.443058	5.840024	6.077726	5.750551	5.571853	5.936527	5.519515	5.444468	5.064515	5.61424	5.336953
KCNK17	5.695478	5.780332	5.228632	5.948363	5.512307	5.24891	5.383894	5.528481	5.374069	5.203309	5.372075	5.385768
VILL	5.635405	5.288502	5.142144	5.528878	5.619476	5.308489	5.700828	5.582	5.88352	5.783391	5.912702	6.120361
TERF1	7.942278	7.763611	7.908275	8.08029	8.488206	8.107576	8.375702	8.401112	8.301965	8.608936	8.121049	8.8233115
IPO7	10.78847	10.812815	10.527435	10.67247	10.79259	10.49032	10.95581	10.681555	9.9765845	10.450385	9.7890705	10.67265
SLC24A5	2.942959	3.170816	3.217826	2.73152	3.431887	3.703305	3.380996	3.466859	3.561969	3.424192	3.816948	3.348308
TEX9	2.61612	2.56907	2.8205945	2.972974	2.6952555	2.7377725	2.63037	2.8067225	3.1115955	2.8327395	2.792069	2.8446955
DCAKD	4.972924	5.506934	4.629468	4.544545	5.969623	6.544318	5.895184	6.022365	6.72244	5.379293	7.263675	5.112411

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
CORO7	5.036011	4.947245	5.336582	5.331189	5.069909	5.167655	5.701333	5.423899	5.283899	5.631418	5.420313	6.036284
PROX1	3.127205	3.284158	3.736667	3.364094	3.098372	3.205991	3.210721	3.265178	3.062137	3.223128	2.900502	3.222517
NUDT17	5.95902	5.8926735	6.1197465	5.711038	5.600158	5.295105	5.594029	5.6811925	5.9149905	5.567412	5.621766	5.47651
CYB5R1	6.0037065	5.7733825	6.338704	6.5447225	6.906238	6.677768	6.5218305	6.838833	6.743022	6.3080815	6.593264	6.177133
VAPA	5.759545	5.252522	6.004063	5.054831	5.181808	4.41698	5.506958	4.575603	5.320054	7.086812	5.336885	6.495924
WFDC11	4.267228	4.333571	4.36639	4.454285	6.582547	4.904936	4.504096	6.666587	4.228367	4.005528	4.131047	4.215726
FECH	6.993198	6.845488	6.956492	7.165177	7.20531	8.152976	7.741147	7.175279	7.526172	7.536264	7.317809	7.8119
ANKS1A	7.263734	7.048363	7.37761	7.526234	7.997838	9.115949	8.416093	7.965221	7.433539	8.361389	8.518379	8.84199
MTRF1	4.726031	3.815127	4.00262	4.99054	5.595577	4.880908	5.674639	5.507544	4.618794	4.951582	5.300418	4.687933
SYAP1	9.965073	10.06833	10.03755	10.06845	9.78745	10.41129	9.832842	9.837364	9.337753	9.261898	9.348766	9.450418
TMEM53	5.972849	6.261849	6.335226	6.619918	6.958264	6.972801	6.34175	6.804737	6.789001	6.361941	7.240417	6.58262
DAG1	7.858459	7.933139	8.0889435	7.8929845	8.741054	9.3730765	8.643359	8.850667	7.8293765	7.994916	7.9179995	7.8035875
KBTBD4	6.4765495	6.3516005	6.6439755	6.7985825	6.911137	6.066814	6.6622735	6.8915165	6.761444	5.8243135	6.86413	5.161713
LAMA2	6.7095255	7.173138	6.8698845	7.0428395	8.1069985	7.3096625	7.278935	7.924261	8.149181	9.2677015	7.719705	9.7602865
GPS1	8.146244	7.945017	7.622986	8.185398	8.373979	8.18003	8.568437	8.207154	8.240228	8.294621	8.196384	8.361268
SGPL1	7.123608	6.788917	7.157151	6.747428	7.874686	7.828613	7.742016	8.015879	8.584775	7.984316	9.083356	8.172268
GAP43	4.920261	5.651133	5.713074	6.55638	5.587388	6.758221	7.699282	5.539543	4.052186	5.402678	5.284462	5.684855
USP43	3.110555	3.331325	3.782825	3.278576	3.087408	3.272026	3.060131	3.1476	3.77578	3.372054	3.056905	2.689538
INSIG1	8.861086	10.1409	9.270038	9.250652	10.02489	9.110492	9.947495	9.762627	9.391211	8.655355	7.993238	6.158573
MYH11	5.168756	5.165905	4.972445	5.395522	5.578496	5.256831	5.508881	5.494814	5.34591	4.624009	5.215735	4.938226
MTRR	8.068069	7.435582	8.2461205	7.9740735	8.599279	9.308091	8.7164045	8.4204055	7.9022155	7.796802	8.1739755	8.0510945
PDIA6	11.768285	11.70088	11.611135	11.980035	11.656615	11.59947	11.72907	11.711595	11.120575	11.763925	11.602985	11.6073
CKM	3.456749	4.11617	3.883395	4.054761	3.845422	3.705602	3.73884	3.975886	3.804353	3.681318	3.878061	3.716702
ZNF620	2.312216	2.422558	2.411707	2.473219	2.490842	2.469828	2.448003	2.54398	2.779981	2.634741	2.442866	2.485125
WFDC10B	3.307955	3.565093	3.694426	3.302828	3.362242	3.48368	3.525322	3.352238	3.260848	3.024773	3.411307	3.201042
NAT10	8.377501	8.351432	8.291655	8.430969	8.396465	8.840534	9.105188	8.278056	7.912876	9.010995	8.766891	9.055748
IFNA7	3.462643	3.379744	3.464495	3.488294	3.766454	3.31701	3.845599	3.485411	3.278651	3.184669	3.362618	2.825663
OTOS	4.770015	4.667833	4.857307	4.418183	5.091959	4.884198	5.076773	4.860853	5.086685	4.687128	5.059903	4.752422
SNX6	10.4452845	10.37363	10.366491	10.580365	10.115519	10.648565	9.7233315	10.2057975	10.26747	9.7417735	10.092669	9.8303685
RNASE11	3.117494	3.088297	3.022418	3.449675	3.250371	3.186491	3.152579	3.297801	3.174422	3.180338	3.676144	3.367558

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
NRG4	2.493908	2.936273	2.671878	2.704279	2.533457	2.594433	2.682885	2.75239	2.590599	2.385461	2.752589	2.450755
RPS6KA3	9.7183415	9.409861	9.383797	9.2025085	8.0687715	9.6889165	8.0793415	7.989839	8.4440455	8.1186475	9.062775	8.0088335
ZDHHC23	4.709383	4.415561	4.514252	5.196646	3.49499	3.751437	3.496039	3.684775	4.323712	4.057616	3.822033	3.07874
SCYL1	6.411815	6.5087965	6.5001865	6.6608935	6.41754	6.275483	6.314397	6.4347085	6.1345155	6.218551	6.366333	6.2815415
MCM3AP	5.759339	5.987176	5.398399	5.333211	5.394672	5.363592	5.181162	5.532463	5.060238	5.179313	5.346876	5.165816
LCE3D	5.5007	6.000541	4.256659	4.54318	4.657598	4.520397	4.61824	4.846703	4.472212	4.550428	4.78444	4.460352
SPRR2G	5.858139	5.884366	6.09234	6.323784	6.233365	6.169921	5.973288	6.381804	5.828625	5.963009	5.973948	5.58149
HCN4	4.1842205	4.273882	4.283634	4.7179605	4.348302	4.411187	4.410767	4.4786875	4.269674	4.2276555	4.6920655	4.2061245
THAP1	8.015736	7.323429	8.048492	8.189363	7.419336	7.905343	7.45131	7.419631	7.958672	6.16445	7.279222	5.957595
IFT74	5.3537765	4.408344	4.941105	5.364684	6.2784165	6.0050475	6.2076815	6.469151	5.739063	5.676435	5.1546655	5.562328
ZNF706	8.084705	8.104092	8.422146	8.578841	9.6508365	9.239091	9.185229	9.459607	9.229328	9.526917	9.4317995	9.539469
LTA	4.440119	4.419798	4.007539	4.40134	4.491329	4.229122	4.568471	4.523961	4.374537	4.460433	4.709444	4.246197
RAPGEF6	6.1943435	6.013081	6.185349	6.206933	6.2338155	6.3448905	6.5213685	6.251293	6.3181535	6.311272	5.8585605	6.4588045
NDRG3	7.694185	7.732803	7.084222	7.94042	7.966295	7.469425	7.864724	7.976327	7.490982	6.635165	7.54174	6.650331
SNX16	5.708507	5.277265	5.7641595	6.197181	7.374938	6.0134515	6.004367	7.321089	7.6316925	6.2410145	5.663635	6.3326645
ASB17	3.014986	3.097348	3.087636	3.291547	3.26665	3.107616	3.324501	3.039838	3.312474	2.988187	3.157619	3.129323
MDK	7.442739	8.405459	8.176413	7.06686	7.924906	7.057254	7.847704	7.365462	9.194192	11.32109	8.217752	10.30818
TIAL1	7.317656	6.8784405	7.074342	7.304654	7.3785105	8.2642525	7.825713	7.155835	8.1667245	7.892238	7.534528	7.7186105
HIST1H2BJ	3.792201	3.533982	3.300891	3.511059	4.206297	5.188767	4.054733	3.927168	3.784172	3.04879	4.131047	3.015276
JMJD1C	6.1477335	5.467683	5.510714	5.049351	5.7637795	4.9472	5.5698215	5.783545	4.942364	5.743487	5.011635	6.095454
GPR107	5.829962	5.24021	5.648621	6.2117	6.497284	6.455569	6.495383	6.609865	5.938655	5.872131	5.978327	5.497306
DMXL2	6.5463965	5.8123885	6.172687	5.7786545	5.74895	5.5840715	5.618688	5.679769	6.043141	6.6728665	5.69589	7.0812865
TAF13	8.495121	7.358698	7.490755	7.9213155	8.4405425	9.4944015	8.7992435	8.5371895	7.997478	7.0545995	8.318506	7.6481
OGN	2.9818075	2.9591385	3.070618	2.8339055	5.6194575	3.839038	5.3962355	5.499843	3.0850405	4.305274	3.110372	5.370364
FZD6	9.767561	10.14707	9.783937	9.855139	9.214299	9.440349	9.406558	9.307817	9.900427	8.352354	8.412244	8.713797
CELSR2	4.6282375	4.626527	5.0852535	5.4076485	5.907503	5.7758425	7.146959	5.906211	7.6720005	7.309602	5.27321	6.725933
TRUB2	6.879203	7.082734	6.855832	7.600321	8.458011	8.65694	8.515203	8.470441	7.689336	7.911419	8.405504	8.013566
YIF1B	7.7728125	8.0741605	8.1078	7.910223	7.073089	7.6904135	7.438191	7.0273315	6.558715	6.6235245	7.648689	6.6815105
CMAS	6.457519	6.0201075	6.097437	5.877484	5.9953625	5.9375795	5.9853225	5.9855305	5.962974	6.0168875	6.557773	6.139984
MRPL21	9.221551	9.207996	8.918312	9.294538	9.890596	10.16409	10.69285	9.873922	9.477938	9.718103	10.75836	10.19531

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
SMARCAD1	8.828958	8.586865	8.5933	8.546893	8.919562	9.381575	9.148749	8.956411	9.210189	8.870106	8.253639	8.482808
DARS2	7.52561	7.120476	7.242076	7.410515	7.744987	8.714243	8.266147	7.609178	7.031299	6.896157	8.082047	7.401508
GTF2H3	8.3431325	8.032538	8.0120545	8.4453295	8.731861	8.6773135	9.1446805	8.71667	8.249883	8.830902	8.7697005	9.634424
UTS2R	7.691658	8.187764	7.883562	7.750593	7.777986	7.945372	7.590137	7.876143	7.606617	7.47298	7.753304	7.120524
LMCD1	6.490716	6.544315	6.429638	6.168406	5.456354	6.709548	4.753252	5.869358	7.598571	4.400055	5.274839	4.179784
ELOVL4	7.020514	6.258416	6.447759	8.043545	6.359487	5.410888	8.241988	6.372031	7.707301	6.385542	3.951554	6.589521
SCN4A	3.760598	3.605882	4.19495	3.737827	3.788756	3.27739	3.456462	3.759545	3.515655	3.355211	3.509394	3.28066
MSH3	7.361	7.369667	7.28317	7.49478	7.378034	7.213095	7.4759205	7.449896	7.2943425	7.382125	7.0005305	7.425675
RNASE4	8.8167255	9.5162025	10.243275	9.173915	4.8208085	4.060763	3.9977495	4.58408	6.9146015	5.3162	3.625687	4.3507785
CST3	5.222968	6.044391	5.443259	5.366723	5.154808	5.722315	5.307614	4.910819	5.842242	5.6099	5.507501	5.954438
SMOX	5.95351	6.43089	6.303331	5.789351	5.523946	5.728412	5.454425	5.40633	6.073823	5.122392	6.484268	5.362911
CLCN7	6.853498	7.117428	6.73774	6.717899	7.463399	8.015767	7.263883	7.678329	8.084807	7.639465	7.482388	7.623537
TBC1D19	7.844607	7.145505	7.511324	7.431618	8.063829	6.491879	5.99262	8.067433	7.564284	6.895825	7.870363	6.976572
PROCA1	4.780615	4.9856175	4.8674595	4.6343945	4.580739	4.3257715	4.387045	4.478991	4.4912405	4.1736605	4.4721535	4.415708
POLR2L	9.5705575	9.1049355	9.0776445	9.8416005	9.782033	10.039515	9.686282	9.7539805	8.911069	8.869634	9.5358255	8.664432
ANXA6	7.64218	7.806114	7.396063	8.1131055	8.091019	7.5653975	7.354801	8.0297505	7.186657	7.6174015	7.772742	7.5959335
MYCN	4.515382	4.73472	4.514627	4.584793	4.754764	4.612093	4.672325	4.853016	4.642147	4.514157	4.487511	4.452644
APEX2	6.3831545	6.316371	6.3456725	6.36043	6.6130065	7.347672	6.7521685	6.5688515	6.9900285	6.237028	7.1578425	6.5379335
ATIC	10.51753	10.10999	10.24507	10.50323	10.93282	11.16337	10.98662	10.92962	10.61459	10.54457	11.27643	10.60966
SOD2	7.310303	4.89561	4.97479	7.27573	6.095485	6.937147	6.632992	6.619341	8.669456	9.295197	9.376909	9.086217
CLEC7A	3.001679	3.335707	3.020678	3.091222	2.813547	2.902178	2.7566205	3.117334	2.813329	2.6530585	3.012312	2.754081
GRIA4	2.82253	2.536932	3.120814	3.192091	5.894465	4.967656	6.237388	5.461853	2.795371	6.277011	5.171929	6.704226
ZC3HAV1L	5.879504	5.9682205	6.305662	5.8480195	6.2368325	6.3968165	5.9123245	6.108022	6.1860085	5.8731185	5.593337	5.6326435
LEPROTL1	8.7208035	8.1157065	8.5359865	8.7294585	9.3288805	9.3363235	9.378137	9.2880045	9.4000095	9.1499005	9.4850845	9.2750045
DOCK3	4.016262	4.480847	3.795478	3.925782	5.82758	5.719694	5.509458	5.911558	4.704427	5.7847	5.920702	7.676543
TSC1	8.33725	7.612867	8.372293	8.43428	8.174107	8.289306	7.791295	8.244939	8.996239	8.79694	8.304371	8.696829
TAOK3	7.342842	7.2856695	7.5064315	7.09508	7.062679	6.7445125	6.583711	7.068562	6.9790995	6.9674255	6.358644	6.935881
SPATA20	9.246851	9.280001	9.056389	8.937637	7.61793	8.816092	7.822134	7.453884	8.664832	8.901873	8.433303	8.881863
SLC3A1	3.246702	3.625899	3.754959	3.604767	3.564806	3.645782	3.487687	3.746194	3.628907	3.314094	3.520655	3.494618
CD320	7.875001	8.117209	7.955746	8.464886	9.24145	9.904716	9.321872	9.11652	7.868727	8.81762	9.395714	8.690804

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
MRPL12	7.1806695	7.130673	7.008232	7.357079	8.029754	7.911162	8.674077	8.0292345	7.7603845	7.8715875	8.2846845	7.92434
SNRPB	10.9407	11.0022	10.361581	10.84591	10.956225	11.35859	11.37044	10.802305	11.250475	10.497825	11.19776	10.415315
SHC1	10.815582	11.173415	10.989861	10.6378765	9.983817	11.084361	9.445183	9.9437025	10.0730415	9.313956	10.2591255	8.624893
WNT10A	4.857834	5.1278815	5.071552	4.96395	4.804113	5.0278825	4.818752	4.8075205	4.742031	4.592122	4.731163	4.597971
OR5V1	3.105385	3.087254	3.106368	3.715365	2.934634	3.061163	3.292182	3.268322	2.955575	2.698408	3.061858	2.931014
ASB9	3.148113	3.21374	3.280418	3.199071	3.845602	3.933959	5.566789	3.828802	3.228599	6.516561	3.847517	6.905381
MPL	3.525991	3.881784	3.416211	3.705904	3.640203	3.617135	3.683774	3.607972	3.246128	3.354738	3.48462	2.931013
ACTA2	3.670337	3.34597	3.241456	3.420382	3.336595	3.131293	3.383781	3.373757	3.32363	3.802008	3.392896	3.477785
PTPN5	4.035082	4.397675	3.84027	4.340251	3.950562	3.915039	3.627212	3.981333	4.072953	4.028483	4.038615	3.633197
LILRB2	3.742171	3.9542335	3.591569	3.6110455	3.630104	3.7719815	3.564695	3.7191235	3.6245875	3.5994425	3.6150375	3.64073
THBS1	8.035392	10.09719	10.10313	9.688207	5.717204	8.551066	4.621101	5.890388	6.920732	7.053148	7.253325	5.530877
GRIA3	5.321766	4.774576	5.363079	4.932496	2.838707	2.851259	2.762558	2.933192	2.765081	3.627332	3.339861	3.959198
DSC3	2.696779	2.879457	2.894647	2.888958	2.984626	2.873177	2.856207	2.788117	3.001519	2.788008	2.879077	2.977452
SCRIB	8.023374	7.720863	8.078426	8.193115	8.462255	9.168831	9.019758	8.399863	8.300224	9.074317	9.156381	9.229744
RPS6KB1	7.535088	7.187904	7.748863	7.690117	7.96747	8.341888	8.045394	8.06997	7.46985	7.438879	7.38613	7.560784
ADRA2B	5.570829	5.637818	5.282706	5.700448	5.282706	5.214284	5.10779	5.348216	5.268893	5.090692	4.899798	4.945868
CPNE4	3.4851345	2.5574445	2.873373	2.801403	2.853433	3.0381795	2.915891	2.6871785	2.8725315	2.659833	2.921886	2.5352635
RGS9BP	3.739476	4.137916	3.817011	3.381428	3.423702	3.341599	3.550354	3.355062	3.600543	3.47781	3.702332	3.115369
AIP	8.118402	8.4290555	8.038419	7.9438875	8.5034185	8.4728275	8.2868985	8.4175565	8.5707235	7.9540155	8.2617605	7.8042855
ERGIC1	9.2950935	8.675414	8.063665	9.113467	8.0745045	8.483981	8.734079	8.00668	8.803841	7.2992485	7.650303	7.304765
CCDC43	7.56911	7.641607	7.626848	8.115227	8.067515	8.306954	8.220983	8.091435	7.798741	7.870806	7.900867	8.170675
TG	4.910803	5.134039	4.64041	5.025042	4.941891	4.623114	4.778927	5.011626	4.886853	4.839843	5.071183	4.97939
UPB1	4.386496	4.7385335	4.504623	4.7700845	4.613705	4.502973	4.6055315	4.700807	4.512681	4.2817955	4.5796605	4.228748
CEP76	7.1024555	6.3312935	7.062758	7.035351	7.8760665	8.570705	7.99169	7.7906	7.312176	6.9887355	7.5552755	7.570512
BIN1	7.796611	7.62123	7.561162	7.28822	8.141346	8.818354	8.714637	8.236412	8.582966	8.233535	8.286201	8.843487
OR10H3	3.906606	3.732538	3.617309	3.82908	4.089844	3.643879	3.936524	3.907701	3.898882	3.806834	3.676057	3.986617
FAM53B	4.739273	4.90422	4.6052355	4.708433	4.9803825	5.0916545	4.8106505	4.914544	4.4884275	4.928489	5.0654205	5.08508
REEP1	4.226448	3.931661	3.8461325	3.9089205	4.4745565	7.7141805	4.8566245	4.6199685	4.2190475	5.0088565	4.269005	4.645773
HCFC2	7.4631025	6.880322	6.6068245	7.596276	6.7678565	5.959924	6.498747	6.89418	6.648776	6.6155455	5.5125645	6.3210155
PHF6	6.653534	6.8568345	6.617265	6.934677	8.0314395	7.4029215	7.9801615	8.0791845	7.23384	7.3066315	7.1926935	7.606933

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
CASP8	5.929059	6.279433	6.551617	6.205989	6.891427	6.793662	6.630875	6.869484	6.519306	5.775859	7.144876	5.805333
SLC22A18	7.627912	7.934923	7.838319	7.90367	6.937384	6.351067	6.777188	7.008752	8.36705	8.473977	8.658113	8.880671
HAMP	4.780645	5.429693	4.859055	5.104017	4.495036	4.583029	4.708878	4.759022	4.665184	4.560055	5.156381	4.46541
TBX3	5.763527	6.550612	4.720126	4.912885	4.109345	4.069106	3.781973	3.840347	3.974209	3.750792	3.774993	3.969633
RP1L1	3.344785	3.77059	3.804792	3.792708	3.771559	3.7205	3.328487	3.787004	3.683681	3.413531	4.113487	3.567761
SSX5	4.919402	5.391967	4.828671	4.736471	4.932748	4.818151	5.01858	4.910638	4.707862	4.725938	4.663248	4.654458
ATP8B2	8.891082	8.897516	8.747163	9.0893975	9.4523805	9.285318	9.372716	9.37672	8.2573295	8.697219	9.288691	8.685231
PEX11B	8.429414	8.134149	8.288915	8.438848	8.154572	8.194798	8.354463	8.192903	8.307847	8.291999	9.142257	8.408485
MID1IP1	6.938559	8.058313	6.978719	6.892031	6.975082	8.151331	7.958837	6.685656	7.595999	6.850161	7.616325	7.171586
FCN1	3.029997	3.1295805	2.9894025	3.2834355	3.325665	3.1241795	3.170016	3.2703715	3.257487	3.2827	3.31271	3.0675305
TAL1	4.8891575	5.0506425	4.838601	5.0865775	5.2250365	4.8839025	5.0897615	5.1088515	4.8994955	4.6084135	5.0347645	4.5829615
AASDHPPT	8.44672	7.902254	8.396743	8.119865	10.31049	10.30462	10.69477	10.36458	9.111246	9.376707	9.317488	10.03312
GFAP	3.859833	3.9554515	3.9255745	4.010884	3.8415875	3.7655335	3.772355	3.968637	3.8566765	3.786476	3.9877965	3.786942
PLA2G4C	4.3874715	4.1951305	4.256426	4.46973	4.6649855	4.3159395	3.9158275	4.5349955	5.663592	4.5799595	5.6725445	4.5188805
STUB1	10.00408	9.930614	9.889436	10.31771	10.52002	11.41825	10.41569	10.57137	10.0494	10.04385	10.81731	10.00539
PGLYRP1	5.462027	5.52586	5.274992	5.356801	5.545918	5.455792	5.139157	5.346014	5.547693	5.314963	5.804708	4.944533
CNN2	9.556026	9.93637	9.852304	9.809051	8.74831	8.28271	8.020829	8.837008	9.05398	8.982993	7.265355	8.471313
CRYZ	10.30686	9.451189	9.584584	9.220108	9.401314	10.37589	10.43515	9.430158	9.084308	10.17753	9.60669	9.729904
UBE2E2	9.291137	9.162811	8.848703	9.428604	8.975246	10.31478	9.213598	8.920477	10.20417	9.469875	9.931334	9.570808
VAV3	3.258685	3.0472	3.068917	3.064296	3.218276	3.252865	2.999712	3.418604	3.067071	3.022955	3.356991	2.786232
NCAM2	2.7689085	2.922953	2.913168	2.9869375	2.7321555	2.706568	2.8513475	2.672193	2.9403275	2.566444	2.5899	2.6599
SSR1	9.9764315	10.0585095	9.8881065	10.2053255	10.179915	10.35363	10.45697	10.19342	9.642493	9.274894	9.1622105	8.9936195
THYN1	8.186211	8.533137	8.2364215	8.5494795	9.1937435	8.3242285	8.8253885	9.1892295	8.87098	9.128374	9.907802	9.2611155
ZNF625	4.378936	5.048856	4.358331	4.713492	4.378119	4.610889	4.187992	4.485641	4.808764	4.851307	4.432063	4.610889
CYP2E1	4.1606585	4.8267315	4.3137095	3.9388415	3.867237	3.4221735	3.746153	3.7876395	5.2392465	3.701169	3.6889965	3.7313245
CACNG8	3.765189	4.550955	4.00768	3.879755	3.624514	3.818331	3.455853	3.888608	3.821037	3.415461	3.947587	3.581197
GPR143	3.740273	4.155095	3.750287	4.413145	4.022695	4.011794	4.149433	4.210732	4.176842	4.007656	4.303043	3.364755
ZNRF2	4.133181	4.300145	4.463991	4.421462	4.8943515	4.650889	5.00569	4.9908155	4.636987	3.9856415	4.357632	4.1976455
TEAD4	7.0573105	7.45309	7.261862	7.3973425	7.3519105	8.424783	8.249566	7.159025	6.967391	7.481713	8.254988	7.579697
ASCL3	5.222951	5.261491	5.263018	5.608124	5.116368	5.029793	5.181825	5.487253	5.194747	4.887792	5.768186	5.335451

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FARP2	4.165497	4.276278	4.473058	4.491267	4.623027	4.40057	4.526965	4.396023	4.436275	4.552929	4.578895	4.451393
PON3	4.101119	3.833926	3.892564	4.130384	4.26234	3.545814	3.884043	3.976378	4.202846	3.72611	4.035229	3.60617
IL19	3.8692665	3.908747	3.954358	4.0460485	4.2893395	5.3639795	4.280723	4.3490395	4.11307	4.1790865	5.808384	4.043873
EWSR1	7.105559	7.1520935	7.0364995	6.917796	7.208257	7.185623	7.5159655	7.1944515	7.025979	7.418798	7.054269	7.932353
GRPEL2	6.609542	6.400976	6.3372385	6.969222	7.293689	8.066616	8.084133	7.0712875	7.81841	6.2195865	7.3210535	6.2174385
GPX4	10.76764	11.00577	11.29041	11.41384	11.78743	11.75451	11.7603	11.70085	12.48223	11.29636	11.46016	11.29412
EXOSC3	6.3028435	6.1150765	5.8073535	6.612369	7.1256345	7.0987215	7.613653	7.3319685	6.748685	6.8729775	7.3853265	6.838011
SYNGR2	4.4778905	4.599618	4.6025755	4.6547095	5.6072835	7.201965	6.2735025	5.6438465	5.971135	5.4050055	6.348846	5.3960765
CDC25C	5.23358	5.322623	4.920615	4.742077	5.296584	4.244775	5.699641	5.103712	4.45598	4.214591	4.303446	4.259508
BRD3	6.68235	6.58212	6.4305175	6.620951	6.577221	6.3512535	6.450302	6.5052935	6.5223845	6.9909955	6.6992505	6.930396
P4HA1	7.033043	7.2620825	7.0984155	7.4588475	6.4593605	6.8449215	6.434838	6.585566	6.550073	7.210939	6.37947	6.878546
ALAD	7.3523995	7.6136515	7.1885555	7.378982	7.109237	6.6591075	7.0261615	7.095292	7.473921	6.8323085	6.575498	6.233425
FTL	13.282955	13.317545	13.226285	13.29625	13.711455	13.42023	13.12777	13.76904	14.03619	13.294725	13.61297	13.24892
LGR5	3.354562	3.3644925	3.3891585	3.5197805	3.4447985	3.30182	3.355815	3.4797625	4.5494915	3.3221555	3.377943	3.4466535
RPL3L	4.433937	4.876716	4.402439	4.620749	4.404078	4.276255	4.764668	4.614975	4.538304	4.294691	4.196239	4.283199
TGM6	4.330948	4.734303	4.373613	4.667933	4.978733	4.641305	4.769376	4.930227	4.524879	4.710736	5.054327	4.630793
ERCC8	5.1639965	4.9426425	5.1446725	5.1050065	5.6113015	5.815473	5.995463	5.626433	5.6690725	5.3316165	5.7052925	5.0996105
DGKZ	6.1111795	6.222888	5.911868	6.6270145	6.3602825	6.351814	6.2313365	6.047307	5.847909	6.3489855	5.892221	6.309755
TROAP	7.3246105	7.285846	6.72766	7.0838625	7.1369315	5.910539	7.820625	6.8607915	5.9990315	6.9151965	6.4224895	6.5490565
OR10A4	4.179442	4.529109	4.570517	4.804894	4.608702	4.389693	4.6412	4.727856	4.484547	4.376586	4.62045	4.061114
PRPF40B	6.27922	6.318745	6.007615	5.941686	5.682661	5.444987	5.870363	5.635382	5.941478	6.505432	5.809246	6.612243
PFKFB4	6.9849515	7.5787345	7.2899395	7.0308055	5.9018745	5.8613855	5.9832555	5.7966865	6.332171	5.9847075	6.2070855	5.790089
CDC34	7.969936	8.027444	8.16481	8.199456	8.135145	9.546174	8.243206	8.155318	8.990192	8.419983	9.077302	8.528991
ITPA	9.659945	9.33309	9.339517	9.516473	10.06107	9.725935	9.863138	10.02773	9.686679	9.818711	9.873545	9.736943
PSKH2	5.150296	4.919723	4.7	5.257006	5.336958	5.316154	5.244366	5.39482	5.081998	4.521046	5.022647	4.502865
RRAGB	4.773825	5.121387	5.555952	6.354138	6.232835	5.537886	5.169847	6.005005	6.717149	5.592663	6.695292	4.877919
OCRL	8.0643855	7.725156	7.962309	7.8356795	7.564308	7.92463	7.5472175	7.5257095	8.0185035	7.338991	7.804696	7.249994
KCNQ1	6.216309	6.3175845	6.349593	6.340179	6.393159	6.267401	6.3311285	6.4375365	6.305296	6.0061765	6.310006	6.054107
METRN	7.238789	8.17078	7.332277	7.522463	6.993476	6.662783	6.566669	6.727235	7.388438	7.357807	7.463286	6.985486
FCAMR	2.58056	2.883819	3.016375	2.894402	2.873978	2.75684	3.201952	3.009264	2.806156	2.717375	2.988379	2.812442

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
RASSF7	7.2070095	7.620306	7.325635	7.2316155	7.440651	7.714324	8.0633145	7.406893	7.7031335	7.60481	7.7667475	7.275604
PTPRE	4.111895	4.420543	4.283848	4.647921	3.821134	3.79511	3.659304	4.044796	4.009409	4.188777	4.240171	3.526022
PPA2	5.4282555	5.1254785	5.553528	5.361725	6.2028365	7.7544685	6.6072835	5.991436	6.2376965	7.1718855	6.3877165	7.470411
RPGR	5.876515	5.100854	5.497169	5.266025	5.731635	5.331612	6.077138	5.493066	5.755132	5.743928	5.833971	5.714314
F2RL1	4.120087	4.935622	5.2841675	5.7302465	3.87918	4.251375	4.063222	3.805191	5.888435	4.284785	5.43351	4.11056
CD99	11.836825	12.002765	11.820545	12.034505	11.54852	10.85207	11.02075	11.377435	10.363235	11.443775	10.81205	10.7872375
CAMP	5.992595	6.324984	6.31288	5.956396	5.700449	5.714262	6.078936	5.91993	5.99668	6.143239	6.405378	5.806255
COL4A4	4.476925	4.30181	4.807706	3.703682	3.516754	3.696151	3.470428	3.484582	5.96655	3.074986	3.614352	3.476271
MGMT	7.709614	7.615061	7.956169	8.546034	8.216017	7.652435	8.154949	8.257933	7.742361	8.59579	8.642967	9.074814
BANF1	9.822122	10.67972	10.16935	10.81573	8.276777	8.670143	8.738132	8.088573	7.91968	8.69567	8.696039	8.584468
NOM1	7.4500925	6.98469	7.6826035	7.268633	6.966163	7.6622	7.7038545	6.881223	6.564209	7.5495385	8.088464	7.684543
PPM1F	7.217992	7.3239995	7.2235105	7.194647	6.9383965	7.430035	6.728417	7.046848	6.746139	6.848962	7.2674005	6.856861
CFL2	10.53436	10.37091	10.07242	10.5377	10.19703	9.90501	9.243536	10.31872	9.805574	8.585106	8.460917	8.136237
VPS33A	6.983969	6.919687	6.753792	6.858772	7.277025	7.689494	7.581568	7.268066	7.053375	6.763546	7.31105	6.715494
DIP2A	5.238889	5.0940955	4.9070385	5.554287	5.497743	5.424091	5.566817	5.4459605	4.369275	4.9973245	5.397778	5.269369
CA8	3.077821	3.092325	3.35734	3.025934	3.034955	3.111196	2.869383	3.034512	3.23753	3.113239	3.000781	3.248405
HLA-G	9.919927	10.718605	10.419555	10.29209	10.47234	10.336115	10.969615	10.3050055	11.96692	11.2253	12.09622	10.919785
ZAP70	4.1530835	4.4583975	4.174866	3.9960445	4.1552075	4.255476	4.1898515	4.1161385	4.01136	4.0119185	4.283536	3.92697
GLUL	9.020372	9.5064265	8.6932565	8.2472195	7.9739025	8.0665155	8.7575675	7.7347815	8.2808385	7.2563415	7.9079065	7.266903
MRPL28	7.921041	7.598627	7.600293	8.435081	8.737803	8.73541	9.043392	8.73358	8.588089	8.676894	8.696324	8.809157
PTPN23	6.058293	6.8762865	6.020006	5.6790975	5.568738	5.710962	5.5147905	5.3789765	5.550755	5.3134925	5.6290355	5.4037075
BAX	7.641239	7.4514685	5.825522	7.531889	8.71921	9.057015	8.763739	8.572252	9.0815095	8.253914	8.778882	8.2839955
FOXR1	2.942598	3.277924	2.941713	3.038692	3.0656	3.278613	2.925654	2.965214	3.048425	2.557518	3.01264	2.860943
SORBS3	7.253605	8.68451	8.120101	7.599133	6.1332195	6.189461	6.18566	5.964174	6.299533	6.1710465	6.101582	5.809253
RGS10	6.815805	6.835093	6.845603	7.35746	5.514081	6.647614	6.102201	6.283034	5.820735	5.98489	6.610408	6.302038
NPY	4.020265	4.274904	4.150607	4.385056	4.32046	4.025373	4.215678	4.506289	3.81728	4.047448	4.090153	4.069105
FAHD1	7.8546095	7.479385	7.8343345	8.23672	8.5268175	9.1258195	9.0453495	8.543058	9.013899	7.9403555	9.573516	8.042272
GALC	7.187762	7.2418045	7.052312	6.92595	7.7575545	6.437811	5.7923885	7.745387	7.2203875	6.4285475	5.844767	6.5167125
NKX2-3	2.854233	2.938723	2.799083	2.627437	2.764309	2.898684	2.843226	2.664779	2.832639	2.99047	2.648576	4.076229
NDRG1	11.64578	11.99972	11.76937	10.81427	9.17503	9.918644	8.316659	9.257775	9.747074	9.569693	10.18478	8.920349

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
HERC4	6.9629055	6.5081375	6.7399105	6.9858185	5.732109	5.9047805	5.625302	5.901447	5.7526205	5.848022	5.7303555	5.4268465
AZIN1	9.8596335	9.8713065	9.831071	10.077623	10.25572	10.0172185	10.23435	10.186647	10.1597265	9.926375	11.32383	9.888649
CCBE1	8.378838	7.878781	8.491858	7.751871	4.204841	4.632671	3.829002	4.598092	5.04433	3.831094	5.073353	3.841186
FAS	9.050318	8.833303	8.9341995	9.334979	8.4749535	9.2956075	8.393568	8.961821	7.6193235	8.0140645	9.298599	7.58867
NR1H4	3.291096	3.296131	3.021703	3.137481	3.719107	3.381021	4.887281	4.127283	3.492821	3.470623	3.62795	2.998191
PPP2R2B	3.242568	3.3707795	3.5350515	4.3694365	5.001555	5.158962	5.441294	4.9317865	3.3092565	5.2897175	4.020455	6.090288
KCNC4	6.554531	6.743093	6.220778	7.093675	5.713286	5.507995	5.456985	5.865414	5.304469	5.154252	5.449813	5.065723
PRMT5	8.211078	7.979245	8.135882	8.610964	9.286365	9.555334	9.60737	9.239376	8.788419	8.572304	9.813781	8.71667
DEPDC1B	5.741548	5.345383	5.294274	6.30321	6.749626	4.665579	8.109652	6.239159	4.587224	6.251592	5.269496	6.202847
FOLR2	5.5335025	5.9593045	5.6460385	5.4582765	5.125962	5.2642315	5.3456765	5.2392935	5.0229365	4.893551	5.295087	5.165018
MBNL1	6.58054	6.2408605	6.432359	5.6680215	6.6678655	6.9655255	7.1075365	6.7961455	5.8077415	8.5955325	5.3843515	8.360773
SFRP4	3.748959	3.3791125	3.5409195	3.611056	3.551083	3.6887695	3.489963	3.633676	3.6338655	3.527613	3.5761475	3.472064
BBS4	7.644199	7.6941575	6.9899955	7.3753745	7.749857	7.2707595	8.4530745	7.6855375	8.1252155	8.066988	7.962777	8.2371395
BRMS1L	6.5111515	6.185999	6.302411	6.4990825	7.696867	7.755769	7.5646635	7.6223505	6.8594035	6.3167415	6.908408	6.2948555
PBX4	4.982189	5.432528	5.345754	4.859029	5.080715	4.70703	4.173701	5.216498	4.850764	4.304712	4.640326	4.327069
IRX2	7.0214305	7.0227585	7.1957155	6.8157505	5.593081	6.8723485	7.383966	5.634147	4.613545	7.2501855	7.4956265	7.11833
TCEAL4	10.52023	10.58348	10.7936	10.93368	10.41691	10.40358	10.38125	10.37833	11.07149	10.45544	10.45464	10.4856
SOX9	7.468617	7.6761675	6.898515	7.667518	8.244654	6.8799695	3.8751405	7.992097	7.4676575	8.439978	6.893824	8.3673955
MAK	3.520451	3.3107885	3.295092	3.1247635	3.293794	3.214194	3.4192295	3.456586	3.2987615	3.3469395	3.411105	3.3419795
CRYAB	10.67429	9.555144	10.79011	10.68473	11.44652	11.34387	9.961359	11.34604	8.033501	8.979066	9.889948	9.585057
AKAP4	3.303441	3.678218	3.244996	3.531519	3.130353	3.26859	3.232931	3.265177	3.565134	3.202608	3.393142	3.303781
CDC37L1	6.752512	6.408351	6.245537	6.785758	7.417113	7.869604	7.302257	7.431608	6.329097	6.805957	7.098463	6.637921
SPATA3	4.832245	5.05566	5.167975	5.345638	5.061784	5.156941	4.944286	5.225178	5.145793	4.873806	5.356262	4.735992
MEF2A	6.7476585	6.6929805	7.08747	7.3704705	9.1522085	8.284082	8.414793	9.1521365	8.211003	8.945944	8.4960295	9.483253
WBP2	6.923052	7.748594	7.192505	7.325679	7.537276	6.906724	7.299515	7.379699	7.366312	7.731572	6.911889	7.538673
SLC12A8	5.385729	5.069106	5.445908	5.735941	5.912254	6.743228	5.565587	5.951625	8.167668	4.304425	6.303263	6.012212
LOC285074	7.987377	7.967806	7.973457	7.406958	7.499418	7.762104	7.824957	7.534906	7.871466	7.730038	8.870611	8.032494
FASTK	8.500082	8.802448	8.534117	8.571984	8.578325	8.443818	8.646948	8.507668	8.424227	8.452543	8.535706	8.415296
TRIM63	3.237834	3.180145	3.576989	3.408305	3.80376	3.552395	3.469117	3.537718	3.515655	3.692111	3.676057	3.452737
HNF4A	4.8226035	4.8412215	5.0383355	5.0514205	4.9024325	4.830672	4.5131385	5.0453365	4.6542665	4.261096	4.98322	4.66674

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
PPP2CB	8.1623485	8.21552	7.964083	7.726084	8.745138	9.067854	8.6964315	8.833823	8.3125875	7.4911605	8.558788	7.4856065
COL19A1	4.3457945	4.0891825	4.281811	4.377581	4.4100835	5.2268005	4.5093675	4.4571905	4.1069525	6.173149	4.2467375	6.249793
SNCG	4.7880075	5.1771365	4.796753	4.942344	4.848666	5.3193595	4.7224305	4.8063105	4.817277	4.601084	4.809604	4.5664075
UPK3B	4.564761	4.214447	4.3929	4.266549	4.400448	4.352952	4.608015	4.331715	4.367623	4.459864	4.611502	4.512782
VAX2	5.291973	5.779444	5.523577	5.623534	5.464623	6.909363	5.356043	5.318007	5.263099	5.448993	5.691659	5.145035
RAB9A	9.576159	9.361734	9.574393	9.096456	9.493375	10.02239	8.960968	9.572384	9.871424	8.619289	9.56509	8.558044
TNFRSF25	5.638107	5.642789	5.27632	5.336132	5.21703	5.567175	4.994832	5.382483	5.432414	6.000738	6.337572	5.690634
LGALS8	8.232953	8.3289815	8.5882095	8.1201405	8.4366495	7.2379575	7.5704635	8.298959	7.9680345	7.88216	7.4417185	7.6434625
PSME3	9.0812955	8.9417365	8.760837	9.00641	8.9389435	9.1537015	9.1582855	8.74845	8.0534035	7.9310725	8.650066	8.235927
TPSG1	5.974214	6.509567	5.911167	5.940665	6.080306	5.910438	6.149718	5.968758	6.085886	6.192799	6.294844	6.156559
HHEX	3.179873	3.361311	4.116869	3.504477	3.9557605	3.340991	4.408727	4.3089655	6.062151	3.028363	3.1370225	3.160189
JOSD2	7.504197	8.391588	7.434816	7.557424	6.535449	6.688544	6.368516	6.81164	6.135299	6.296751	6.689222	6.530776
NXPH3	6.2142415	6.707432	6.3436195	6.3995695	6.0931095	5.9489235	6.09333	6.000591	5.7461565	5.6548215	5.802357	5.656871
ZNF277	5.2107255	5.3323655	5.29866	5.1285305	5.658292	5.608667	5.654117	5.509144	5.714661	5.7038815	4.9597735	5.7481835
KCNA5	4.327217	4.191822	4.210091	4.366203	4.496706	4.136274	4.457985	4.08397	4.263676	3.994249	4.328602	3.939929
DAZL	2.526229	2.706027	2.295895	2.619952	2.600359	2.311242	2.315517	2.397764	2.590755	2.47309	2.468068	2.557043
IFITM3	12.21598	12.38658	12.29122	11.88211	12.02566	10.65882	11.66042	11.98068	13.03952	11.80302	12.88674	12.30024
PEX10	6.897651	7.4666555	6.728745	6.967996	6.328158	6.412524	6.5327835	6.3880815	6.694291	6.1819815	6.4647125	5.8121135
ABCC11	4.0537205	4.0494755	3.9358885	4.098856	3.927974	3.8985085	3.7800085	3.9137755	4.0057635	3.846936	3.946092	3.861431
PRDM7	3.202983	3.590595	3.463933	3.556173	3.611418	3.289435	3.3253	3.546529	3.560477	3.295136	3.14991	3.306304
SIAE	4.8437475	4.803526	4.844109	4.3117135	5.1198925	4.840687	4.681725	5.258752	4.5344985	4.703458	5.28043	4.764566
C1R	9.716759	9.924811	10.47755	8.314827	7.335362	6.871035	6.962893	6.850853	11.06445	9.555882	10.29891	9.626553
ACHE	5.124162	5.567168	5.226325	5.004141	5.337366	5.167418	5.269831	5.094958	5.147013	5.050644	5.212635	5.080918
E2F6	7.626369	7.278515	7.784926	7.830428	7.997155	8.013857	8.047835	7.695229	9.05386	7.788844	8.391884	7.469796
ACOX2	7.918913	7.972428	7.862198	7.662964	5.737059	4.57878	5.222147	5.890282	4.263676	4.823832	6.188066	4.766277
USP10	8.47471	8.649586	8.4649615	7.9117255	7.9294625	9.031511	8.539816	7.8749715	8.802633	7.5061765	8.3638085	7.33444
PRDX5	9.7233455	10.1994695	10.73063	10.993835	10.9496	11.489835	11.20873	11.00451	11.45364	11.00561	11.30243	11.010255
TOX	2.8913995	2.7513215	3.3908605	3.7411515	4.5530975	2.688348	3.2730175	4.5695715	5.3670365	5.3961485	2.6668765	4.625763
SDHA	2.629591	2.951037	2.932785	2.885206	3.037872	2.867406	2.902078	2.944393	3.036146	3.106008	2.671033	2.911737
DPAGT1	8.525244	8.109132	8.47847	8.363038	8.298751	9.030206	8.787841	8.363109	8.335024	8.247373	9.423943	8.418301

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
CDC42BPA	5.695826	5.502346	5.86802	5.969622	6.259882	6.91004	6.033415	6.205366	6.487869	6.04672	5.970009	6.233691
DIAPH3	5.4412125	5.6452925	5.300204	5.6007475	5.1244475	5.050334	5.529525	5.284472	4.807874	4.814547	4.377876	4.7133015
RNF7	10.2577	10.058055	10.099446	10.111295	10.621045	10.743875	10.28547	10.607185	10.21485	9.417719	10.766415	9.3599275
CCND1	10.54195	10.63796	9.438269	9.74535	9.266858	10.47981	9.462504	9.394547	9.520199	9.957541	11.19119	10.63847
SFN	5.413684	5.275404	5.598289	5.866595	5.956999	7.929893	6.167108	6.030363	5.965266	5.466361	5.948744	5.656584
WT1	3.398665	3.585602	3.398272	3.600759	3.6816865	3.4833185	3.4636715	3.8585615	3.619571	3.375764	3.696236	3.427867
LRMP	3.522451	3.412455	3.029993	3.470947	4.31431	5.872541	8.676888	4.090504	3.404272	4.725195	3.465431	6.219269
FCRL1	2.883304	2.965273	2.8892055	2.8068935	2.8997735	2.9309125	3.035444	2.8823925	2.814508	2.8934225	2.764264	2.875689
ADORA1	4.9734005	4.8003205	4.756815	5.1110545	5.0207	4.931414	5.7292875	4.675852	5.449116	5.82853	5.047053	5.365751
FCGRT	7.251111	7.544797	7.742359	7.003326	7.577565	6.97361	7.380244	7.646079	9.043026	8.980736	7.257314	8.759724
SIRT1	8.237039	7.994944	8.239297	8.264677	8.202526	7.23143	8.164713	8.095488	8.345737	8.167778	7.806235	7.628725
FURIN	7.897942	8.280357	7.737068	7.988978	7.368505	7.401097	6.891125	7.308777	6.678859	6.669405	6.747071	6.737623
RAB3D	6.2410685	6.675277	6.4000795	6.259591	6.3804925	6.9870075	7.0570715	6.3081015	5.8924185	6.9033865	6.99117	6.8894415
TAGLN	11.14191	12.15049	12.24633	11.98228	10.44355	9.904165	9.668413	10.62032	10.98088	8.293228	6.997017	7.252798
HPX	6.3948085	6.6396135	6.3149995	6.494384	6.4855345	6.090084	6.254035	6.62473	6.3121735	6.1842775	6.497048	6.2324545
IL21	3.848614	3.700641	4.489782	4.156347	4.099909	3.943376	3.781823	3.924519	3.892861	3.994249	3.877196	3.565823
NFYA	6.9312675	6.464743	6.594411	6.5694055	6.862011	7.581448	6.400443	6.807696	6.3673905	6.4010525	6.691561	5.869287
FHIT	4.687029	4.485821	4.197421	4.568776	6.312599	6.940956	6.04493	6.152336	6.435431	6.412214	6.692322	7.550678
HS6ST3	4.6064455	4.033672	4.3802735	4.149607	4.2473665	4.111198	3.9716365	4.0594435	4.1034015	4.1645485	4.1556235	4.1647005
FCGR2A	3.212831	3.371591	3.2306695	3.203109	3.059066	3.1696005	2.88196	3.037643	3.1661265	3.090094	3.215114	3.0337145
TREML2	5.105728	5.717594	5.445908	5.382546	5.284168	5.49875	5.418097	5.260392	5.435845	5.279997	5.734716	5.394338
NFS1	6.9971335	7.060386	6.8227295	6.6270225	7.5214075	8.213752	7.3699595	7.5875905	7.5055405	6.921382	7.790835	6.518348
ALKBH7	6.64126	6.764601	6.696141	6.731636	6.467717	6.1182245	6.551669	6.3014385	6.581998	6.5874165	6.752442	7.0153995
PIGA	6.851604	6.590723	6.995295	6.769389	6.599566	6.895433	7.697346	6.741799	7.060705	7.113568	6.842192	7.342799
XK	2.449486	2.381038	2.420243	2.588722	2.892743	4.123088	4.726988	3.038498	4.071079	3.084636	2.969694	4.030095
CYP19A1	3.13978	3.705083	3.022417	2.911074	3.051621	3.018271	2.823651	3.170662	3.209072	2.782047	3.258779	2.843993
RBM4	6.378455	6.2960485	6.500232	6.4137925	7.069471	6.7393295	6.9577025	7.3429495	6.4332395	7.188824	6.379474	6.745828
PHF2	5.912455	6.0554485	6.123007	5.9668835	5.393188	5.6611405	6.037629	5.3325405	5.7193335	6.1259615	6.347849	6.065826
ST6GAL1	3.297699	3.537717	3.372054	3.519259	3.445673	3.088449	4.421362	3.446489	5.018588	3.193804	3.658401	3.343787
SNRPN	2.94798	2.793523	2.905458	3.068541	2.983568	3.112782	2.897722	3.214071	3.030801	3.078559	3.11126	2.977145

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
GABRD	4.355026	4.9612915	4.568436	4.6857925	4.713022	4.7025255	4.9099145	4.864764	4.526335	4.370013	4.880358	4.286812
GPM6B	3.6176715	3.532785	4.213218	3.0632005	4.0414355	3.945458	5.2990645	4.089139	3.1813995	6.482391	3.2917125	6.81962
KTN1	10.76226	10.61597	10.81793	11.10813	11.20423	10.94343	11.03057	11.29448	10.81577	10.43003	8.750574	10.29378
GAD1	4.137492	4.240263	4.004407	4.082198	4.212519	5.770993	3.997561	4.490564	3.8651	3.569562	4.973072	3.760427
FANCF	7.28684	6.8934335	6.9106545	7.131798	6.747791	6.2907655	6.4655365	6.7595375	7.649268	6.631346	7.1274585	6.315717
MAX	7.748751	8.334616	7.531814	7.324552	7.997822	8.351244	8.271072	7.892698	8.482065	7.210262	8.566648	6.60661
ZNF250	4.1979475	4.4711035	4.6271475	4.3758125	4.2126425	4.0722225	4.186855	4.050461	4.623059	4.3980865	4.430306	4.28598
NCOA1	7.445002	6.9779705	7.5751535	7.0688375	7.0661245	5.7807075	7.078745	6.850373	7.376464	8.254967	6.242756	8.0630985
NASP	6.351947	5.92533	5.939077	6.765915	7.354057	5.764692	8.15062	7.031131	7.675297	8.047441	5.919506	8.457836
POMC	4.678642	5.591947	5.058926	4.662023	4.907736	4.745489	5.47579	4.810266	4.823068	4.513072	5.005486	4.246622
EHMT1	4.459904	5.152845	4.502225	4.5851935	4.6287635	4.892247	4.8727925	4.6810995	3.9344885	3.628353	4.5632945	3.9902285
SMPD3	4.6242655	4.9445285	4.809796	4.7053915	4.710415	5.0038905	4.5029095	4.8176825	4.669497	4.470381	4.7685425	4.3105115
CALB1	2.8876505	2.918679	2.9328935	3.0895785	3.017653	3.049481	3.2169555	3.082551	2.9863085	3.072119	2.973699	8.087327
DHDH	5.106693	5.1443	4.89227	5.187854	5.132054	4.900209	5.191462	5.036891	4.928477	4.821007	5.1443	5.054781
CUL4A	5.916505	5.835611	6.287409	7.059793	6.053761	5.70276	6.151649	5.901649	6.146354	5.787264	5.866983	6.055034
TMEM59	6.9585465	6.8364725	7.0623215	6.9454305	7.139342	7.0738825	6.7636175	7.178139	6.849475	7.0586525	6.9347065	7.2431135
PYGO2	5.893186	6.5975395	6.194529	6.378	6.0573625	5.893773	6.0553265	6.0185365	5.957229	5.930775	5.939311	5.7858145
ZBP1	3.992683	4.3864445	4.102861	4.2190165	4.044603	4.0740405	4.1014115	4.1027905	4.0467115	3.85182	4.1654285	4.0852
SPATC1	5.098966	5.332919	5.483096	5.427511	5.301996	5.260809	5.385923	5.484164	5.324829	5.145415	5.542864	5.149169
EPAS1	8.6340935	8.7070025	9.432929	7.7047975	4.964112	5.555634	4.1745015	4.875624	9.9013405	5.682497	5.3609565	4.539144
VPS13D	6.607808	6.195694	7.047812	6.259758	6.167198	6.678617	6.157287	6.207317	6.462192	7.003749	6.79935	7.107277
MFAP4	9.012069	9.638794	9.307411	7.117552	8.733182	5.418468	4.639419	7.980211	8.600942	9.536177	4.700828	8.270784
LHX5	4.727543	5.283322	5.375632	4.886477	4.713264	5.107492	4.787494	4.806171	4.862785	4.68193	5.023945	4.652503
TKT	9.882509	10.18088	10.32182	10.17524	11.40343	12.03834	11.49925	11.33629	10.61318	10.83406	10.66684	10.69937
TK2	6.455338	6.9279005	7.115501	6.9486915	6.7306775	7.375559	6.31683	6.676119	7.4709675	6.791995	7.4257355	6.935644
MPP7	2.9581315	3.337065	2.9687235	3.2572935	3.0001715	3.326102	3.2369895	3.062429	4.343887	2.9866075	3.0346	3.068629
FGF12	4.300513	4.36112	3.706664	4.058416	6.789701	7.601018	8.942434	6.886763	4.184249	7.361211	5.841639	8.330916
GRB10	7.008382	6.7428235	6.948382	6.890375	6.551907	7.057001	6.4539755	6.7153195	7.3311465	6.846806	7.5824275	6.6296895
ATP9B	5.253418	4.9293865	5.0994105	5.0766535	5.002412	4.9566675	5.2181005	5.055734	4.735469	4.886239	5.0022815	4.5232595
MPG	9.144711	9.157665	9.011145	8.997158	9.223301	9.147288	8.963019	9.178097	8.870364	8.607676	9.021004	8.60562

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
PRCC	7.524879	7.685692	7.504966	7.907665	7.541105	7.821729	7.673327	7.397529	7.241584	6.932704	6.776114	7.164412
MCM8	5.995705	5.837387	6.078591	5.860086	5.816741	5.139196	6.52983	5.66994	5.562003	5.428876	4.920273	5.742629
EIF2S2	9.4703765	9.320973	9.6743975	9.506209	9.2619395	9.591277	9.574978	9.2330385	9.795081	9.2440905	9.6294745	9.3397695
OTUD5	7.010412	8.04566	7.05839	7.006887	7.08165	6.816205	7.011733	6.990377	6.460009	6.467514	6.631609	6.237263
CDH26	3.1392035	3.142288	3.0175345	3.3571855	3.2482655	3.2656405	3.1519075	3.0756505	3.1565555	3.1721645	3.3320555	2.8366745
AKR1D1	2.458745	2.804457	2.843171	2.7435	2.485528	2.789884	2.59236	2.608705	2.559811	2.431094	2.428442	2.469829
SLC2A11	4.898279	5.432496	5.073302	5.389903	5.517195	5.753893	5.823891	5.683291	6.518868	5.762778	5.862143	6.281922
BACH2	3.473034	3.791163	3.6032645	3.6228875	3.597989	4.013783	3.663705	3.5594675	4.8899555	4.4144795	3.7218935	4.4654835
DHTKD1	6.1527995	6.4450805	5.7714335	6.459114	7.4672175	6.0891045	8.277222	7.283722	6.903644	8.308756	6.7652565	8.3375725
ACOX1	7.273794	6.559885	7.106496	6.890549	8.282982	8.037802	8.265471	8.320047	6.441933	7.400163	7.19213	7.612064
LTBP4	5.927372	7.3440155	6.455684	6.2605315	5.6749375	6.02275	6.171549	5.6516685	6.3469215	5.578588	5.223319	5.4583805
XAGE3	4.887784	4.818151	4.768683	4.966983	5.1684	5.198071	4.915005	5.213988	5.171914	4.71674	5.524598	4.739714
SIRPB2	2.995496	2.948822	2.701551	2.872424	2.770646	3.142909	3.21079	2.948822	2.975112	3.147529	3.058764	2.908799
TUBGCP6	5.588804	5.570435	5.8063745	5.705745	5.739645	5.616553	5.554627	5.5812015	5.7996445	5.8198785	5.521153	5.864474
FASTKD3	8.230257	7.804307	8.026374	7.855503	8.790783	9.033422	9.305636	8.763172	7.878104	8.353114	8.135094	8.433844
SLC17A3	4.214489	4.046344	3.518738	4.338496	3.950562	3.839939	4.193305	4.245827	4.242527	3.900519	4.220511	3.791261
MAZ	7.411925	8.6964935	6.9039595	7.763555	7.2490165	6.7015535	7.0134015	6.949118	6.3828825	6.1056035	6.625326	6.1053585
SLC6A5	4.2125095	4.462171	4.281425	4.3070845	4.44709	4.179914	4.2387195	4.316753	4.256391	4.016651	4.3270505	4.0534725
SLC12A9	5.726812	5.811036	5.34095	5.165856	6.074572	6.54709	6.112709	5.827738	5.839736	5.813542	5.854523	5.021906
TTC8	9.006559	8.536772	9.075415	8.888997	9.013747	9.128396	7.73086	9.101322	9.088489	7.705225	8.52104	7.728616
SLC19A1	4.408577	5.855721	4.845453	5.279997	5.426725	6.016147	6.174972	5.48645	5.63181	5.277521	5.665876	4.972024
CREG1	10.11232	9.944196	10.29052	9.605342	11.09686	11.10124	11.29859	11.13014	10.11029	10.88668	10.65906	10.8752
CRB1	3.871803	3.617759	3.5495825	3.7117665	3.6498435	3.7232745	3.764366	3.650703	3.4239085	3.4991095	3.5033595	3.785721
PER2	5.8194265	6.248488	6.350397	5.712584	5.126354	4.464112	4.8725555	4.9171555	5.575644	5.501422	5.2977215	4.983947
TRERF1	5.193943	5.097011	5.177428	5.344318	5.573259	6.094244	5.802952	5.550603	4.818771	4.709871	6.506899	5.337365
RHBDF2	6.365411	6.475469	6.354117	5.58952	5.866642	6.121915	6.907904	5.804418	7.23403	6.246507	7.355354	6.188779
TAS2R10	3.124623	2.81026	3.029332	2.927474	2.974929	2.820358	2.932863	3.050949	2.848775	3.004941	2.901356	3.840774
TMCC3	4.2722395	3.817156	3.606249	3.505878	5.587022	6.738595	7.2337335	5.5326145	6.1410725	6.627803	6.196726	7.853445
GMPR2	8.697458	8.572476	8.685305	8.524714	9.041492	9.242285	8.994643	9.169802	8.504251	8.294621	9.714865	8.302673
MAPKAPK3	8.459899	8.4010635	8.1588735	8.538371	8.1530465	8.67859	8.462044	8.2193185	7.614179	8.0180365	9.3196165	7.8552255

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
TMEM99	8.229618	7.336876	7.545606	8.245768	8.166187	8.925813	7.947225	8.215064	8.157604	7.68791	8.977099	7.444303
KIRREL2	4.169539	4.722482	4.161167	4.339694	4.10272	3.985701	3.913078	4.203695	3.758388	3.95764	4.290514	3.996955
YRDC	8.027236	7.7712465	7.770695	7.9641705	8.3288615	9.2903135	9.1516925	8.351381	8.77372	8.024117	9.691035	8.259864
DBN1	9.175903	9.2127705	9.3166095	9.9323925	9.1874885	9.0253425	8.719544	9.2398445	8.617262	9.088422	8.6052	8.7474685
CHMP5	10.194936	10.0207045	9.873413	10.3002005	10.760455	10.68111	10.422635	10.84099	11.048535	10.216095	11.168985	10.158515
ACADL	3.295466	3.205397	3.299232	3.1002525	2.9425575	3.095598	3.012272	3.33452	3.128211	2.8528435	3.539889	2.9108235
HSPG2	8.451233	8.766315	8.516777	7.7431605	5.672028	6.2036235	5.3066405	5.5114935	6.1134755	6.4500665	6.1096485	6.219471
NEIL3	6.367736	5.918684	6.380425	6.935194	6.009994	4.017724	7.458748	5.941114	5.207891	6.850631	4.265583	6.375041
TRPC6	3.3499095	3.405287	3.482048	3.2720945	3.8583675	4.4798145	9.1352805	3.9696955	3.198948	6.3803255	4.327688	6.334853
TNXB	4.696747	4.741257	4.6107	4.52918	4.779317	4.817812	4.503517	4.764668	4.726838	4.530442	4.589144	4.42719
APOL2	5.985754	6.008555	6.5056355	6.265759	6.874327	7.193326	7.1903295	6.9378265	7.107431	7.8536295	7.5470955	8.0446245
OSBP2	5.285445	5.241573	5.171549	4.950991	4.890042	6.101779	4.818151	4.924938	5.113676	5.076569	5.966814	5.15778
CITED1	4.723893	5.27608	4.963871	4.762285	6.247158	5.343822	5.110913	6.048338	4.903598	6.113739	5.072835	5.283146
RPL32	13.52698	13.56708	13.60338	13.52479	13.67925	13.56189	13.70192	13.621	13.58006	13.73401	13.79874	13.76211
FKBP6	4.979999	5.113255	4.88427	5.23632	4.937519	4.914724	4.913999	5.121152	4.818151	4.775568	5.117576	4.420728
DISP2	5.21243	5.447921	5.335407	5.234272	6.34598	6.396984	5.308294	6.451829	6.387846	4.649044	6.220731	5.759339
MVD	5.364916	5.717665	5.742525	5.58025	6.163988	7.202753	7.462967	6.259842	6.665477	6.2047	6.383276	5.787971
GART	6.93098	5.911502	6.595509	6.362374	6.421779	6.493053	6.747071	6.308198	7.526049	6.501396	7.385246	7.010155
HAPLN3	7.057971	7.101204	7.400976	7.378236	7.461617	7.111009	6.743103	7.365505	7.090733	7.236657	7.219426	6.971867
FUT7	4.336335	4.798982	4.5460435	4.163831	4.3453885	4.1825575	4.489874	4.321401	4.1932305	4.30142	4.251556	4.3074535
MRPL36	10.30424	10.29527	10.5455	10.84185	11.10958	11.35548	11.21212	11.04413	10.76744	10.12698	11.2106	10.34821
CEACAM21	4.2981845	4.765559	4.3770105	4.3559105	4.598486	4.136738	4.500561	4.5710625	4.326557	4.1924405	4.5320595	4.1874545
GH2	3.675986	3.9305555	3.7868535	3.7936265	3.7455295	3.771103	3.9329915	4.0826905	3.9020315	3.491304	3.8209535	3.762168
SNX27	7.889081	7.4363085	7.183845	7.223201	6.837254	7.458328	7.3140785	6.8248055	6.856721	7.5115835	7.3519965	7.517775
GNRH2	5.22253	5.713076	4.97479	5.499964	5.260288	5.065393	5.261142	5.28576	5.377217	4.890753	5.543081	4.733771
ELMO1	3.721992	4.51407	3.753885	5.029596	6.653479	7.438776	7.027169	6.829828	4.238246	8.456699	8.453516	8.824209
RAPGEF1	6.041402	6.505762	6.417395	6.152149	6.2137695	6.334362	6.031188	6.0447995	6.076195	5.972817	6.11405	5.8182875
BANP	8.989866	8.1516	7.693485	8.584257	8.38352	8.769317	8.370686	8.243963	8.157255	7.968669	8.999032	8.214283
SLC2A1	5.9730315	6.0776055	6.8061195	6.437115	5.906273	8.7199255	6.7172295	6.3874445	6.9056545	6.8223415	7.3661015	6.04988
CD59	12.40632	12.17891	11.97761	12.20189	10.36887	11.01236	9.271561	10.42883	11.07448	8.900747	11.59548	8.562346

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
GADD45GIP1	5.608932	5.824973	5.920678	5.723366	5.688274	5.555289	5.666409	5.693244	5.636437	5.326922	5.690023	5.445152
ATP2B1	9.414055	8.59726	9.163433	9.31125	9.16934	10.18869	9.798067	9.156422	10.04263	9.276762	9.421168	9.359566
TASP1	5.4985215	5.100544	4.9451585	5.5750255	5.366345	6.4581645	5.8956115	5.2973335	5.8098445	5.322178	5.7671825	5.361826
IARS2	10.65068	10.42129	10.73317	10.66356	10.74609	10.41051	10.58433	10.63728	10.37979	9.848615	10.244	9.621862
HINT3	5.635374	5.805067	6.437682	4.893731	6.085999	6.858602	5.907133	5.919931	7.131816	4.697292	6.353427	5.588822
CHMP4A	8.4386575	8.305528	8.581654	8.748825	8.773348	8.0558645	8.825506	8.807323	8.827343	8.353875	9.269679	8.1408255
PARK7	11.85532	11.83994	12.12425	12.52253	12.81171	12.80121	12.84719	12.84226	12.1917	12.34157	12.6173	12.2841
WNT8A	4.760528	4.796193	5.021307	4.629674	4.621253	4.543934	4.643424	4.803208	4.634065	4.391399	4.65474	4.733991
PDK2	7.041121	7.349383	6.9388525	7.051233	7.239793	7.268098	7.091338	7.1123285	7.1153695	6.410896	7.1115485	6.0235125
SORBS1	4.193655	4.304968	4.257066	3.9242675	4.1878595	4.9448575	4.929719	4.135739	4.0822	5.925258	5.640166	6.033752
ZNF182	5.6292985	5.4400365	5.4301135	5.591699	5.6983005	5.996769	5.915797	5.5565115	6.0309925	6.133012	5.364489	6.135845
CDK2	6.298488	7.501718	6.704455	6.545884	8.118834	5.463677	8.148604	7.600808	7.415036	6.707635	6.670008	5.524368
CYP3A43	3.681053	3.7198435	3.3824945	3.7018365	3.686703	3.632402	3.649784	3.632062	3.5040745	3.534602	3.5625075	3.3490565
SNAP29	7.22641	7.202352	7.60975	7.488917	6.822001	7.277516	7.051396	6.946379	7.089017	6.196751	5.908054	6.141276
BCL7A	5.7762885	7.120092	6.5905085	5.750988	4.6035185	4.6855625	5.2308335	4.597755	5.4407335	6.0232915	5.638669	5.6670925
PLXNA3	6.936636	7.092678	6.809334	6.429211	5.47167	4.928265	5.115081	5.172698	5.118512	5.216609	4.825694	4.471773
ST8SIA5	3.930714	4.262985	4.202554	4.142095	4.343187	4.196193	4.171472	4.266933	4.182512	4.028517	4.340654	3.88348
SORCS3	3.108305	2.694757	3.051198	2.823409	2.834364	2.81531	2.637485	2.686457	2.903223	2.983868	2.946246	2.780049
ZCCHC7	5.92766	6.312791	6.194371	6.022966	7.265829	7.93525	7.511313	7.318274	7.197259	8.308481	7.545972	8.215651
PTPRR	4.2109965	3.792181	3.612431	4.266973	4.1397315	5.466074	6.435767	4.112883	6.2926245	3.58488	7.1450165	5.637637
NUMB	6.4647675	5.886792	6.010115	6.7615475	5.4415	5.383814	5.2284755	5.565819	5.686753	6.2138985	5.4150125	6.3487535
HBS1L	5.601148	5.9042555	6.2439445	5.860367	6.414137	6.9145695	6.5209315	6.4528765	6.467933	7.102495	6.6055915	6.8695785
PSCA	3.497942	4.029857	3.75383	4.153	3.658679	4.021351	3.329234	3.736741	3.781823	3.156059	3.966794	3.353106
NR5A2	2.688154	2.999886	2.9152175	2.8871185	2.740301	2.642189	2.6827935	2.5602475	2.588005	2.5857915	2.698011	2.696224
PHLDA2	4.203913	4.095924	4.091767	4.076174	4.253756	4.215444	4.040675	4.294264	4.156671	4.080235	4.349649	4.069106
MEN1	8.521912	8.832122	8.679185	8.084514	7.851252	8.048031	8.230794	7.892606	7.095757	8.249902	7.523985	8.275735
CHRND	4.713728	4.93479	4.842646	4.769615	4.992816	4.673553	4.518934	5.0163	4.937787	4.644505	4.880579	4.651536
ADCY3	8.0081415	7.989352	8.226195	7.852351	7.821795	8.102914	7.8825715	7.699625	6.159117	7.5647515	7.5283835	7.359753
TCN2	5.159392	5.794735	5.815909	5.824342	6.738665	6.589684	5.807355	6.764829	6.885534	6.428666	6.634811	6.956511
CDH20	3.218492	3.308697	3.298773	3.523668	3.044126	3.233068	3.089708	3.113764	3.415191	2.935415	3.176252	3.040385

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
MEOX2	2.4760385	2.4271095	2.224887	2.460571	6.580543	2.451182	5.1252685	6.684878	2.466456	5.220081	4.3805395	6.0603835
ST8SIA4	2.751874	2.518942	2.440823	2.586849	3.509866	2.56071	2.841382	3.381429	2.541388	2.719123	2.906125	3.900066
STAMBP	5.515977	5.75183	5.585716	6.050132	6.152932	5.533365	6.060381	6.329317	7.115942	6.336527	6.338292	6.259935
OR7C2	5.44685	5.464218	5.739524	5.875006	5.955102	5.677152	5.622094	6.044682	6.003387	5.860909	6.079443	5.337007
FBL	10.98564	10.98833	10.89049	10.83751	10.86543	10.56746	11.38433	10.74787	9.894367	10.64846	10.77431	10.88767
HMGA1	8.768728	10.20477	8.562764	8.6068735	6.3285085	7.809071	7.6018285	6.387281	7.4922315	6.980292	8.052557	7.0953845
ATP6V1B2	9.356097	9.073549	9.574121	9.225087	9.722546	9.536311	9.292174	9.797598	11.07102	9.090967	10.50435	8.792309
UFM1	8.452803	9.180737	8.755567	8.449847	8.562194	9.030892	8.824715	8.556518	8.397107	7.480961	8.506468	7.107179
ATP2B4	10.84596	10.54213	10.53952	10.78551	8.880192	8.545379	8.678635	8.565739	7.838579	9.45465	7.315902	9.242958
RFX2	5.544253	6.033688	5.813899	6.025171	5.194423	5.245702	4.837554	5.187804	4.850764	4.981567	5.171549	4.91764
CDK5R2	3.886338	4.203014	3.846894	3.69352	3.563172	3.613459	3.241109	3.613459	3.648812	3.286578	3.272313	3.55679
MOCS3	6.232184	6.411829	6.538972	6.156265	6.807735	7.299049	7.010293	6.767768	6.961919	5.739654	7.137952	5.792455
ZNF701	4.703673	4.5473785	4.8020935	4.3649345	4.8541705	4.4353375	4.464482	4.7872335	4.8021735	4.714507	4.4269035	4.269971
WDR48	7.843937	7.8413675	7.8366495	7.788966	7.9863685	7.6772165	8.2089685	7.8706915	8.2786235	8.1697205	8.089383	8.525986
TRIM35	5.883544	6.158956	6.585807	6.744045	7.010293	7.473212	6.940749	7.111727	7.308337	6.990404	7.944693	7.386478
SLC17A8	2.662735	2.615006	2.824999	2.372277	4.93015	3.362825	6.252002	5.80397	2.629618	4.198791	2.362307	4.879601
CLIC4	10.94082	11.42462	11.39355	10.75499	10.01879	11.30951	9.887177	10.11364	9.604531	7.207013	9.334344	6.628712
DMWD	7.286844	7.768515	7.259471	7.291577	6.427714	6.147094	6.309714	6.152938	6.311658	6.350169	6.464544	6.195003
COX11	6.98109	6.595194	7.317411	7.44442	7.456863	7.847308	7.512684	7.559244	7.818581	7.68396	8.148602	8.094956
RHBDF1	6.828798	7.03005	6.986921	6.820173	6.510775	7.0567025	6.539428	6.459798	7.381876	6.3315805	7.1873115	6.3096045
HM13	5.38182	5.274609	5.38182	5.040453	5.014419	4.952858	4.805254	5.110913	5.372865	4.830729	5.116286	4.620265
TGFBI	13.91273	13.8934	13.92027	13.66682	12.72916	11.51347	9.071684	12.78156	11.49296	10.68095	12.22391	10.14668
UBQLN4	6.81996	6.5971085	6.6551795	6.820355	7.196965	7.230146	7.3979735	7.165193	6.900038	7.433294	7.1549585	7.9717695
GNLY	4.3550875	4.4768985	4.22808	4.6596295	4.437323	4.5030715	4.443943	4.570204	4.3923645	4.1177265	4.3860215	4.0575465
NRAP	4.217559	4.055362	3.828314	4.092094	4.377498	4.533283	3.897543	4.070809	4.019189	3.884992	3.909999	3.676057
HPS3	6.8840985	6.105006	5.6979535	5.681455	5.367867	5.091032	5.9816895	5.0722605	5.6432225	5.544149	5.2337185	5.033702
LEPROT	9.589336	10.25609	9.588362	10.11166	9.369686	8.971251	9.079515	9.366001	9.368526	9.129488	9.230429	9.037075
HEPH	5.7570375	5.4962985	5.3078475	5.699969	3.9376225	3.5142785	2.7561525	3.922926	2.765004	3.8618545	4.198292	2.7645925
GRIK1	3.8791025	3.566503	3.9084055	3.567961	3.5483375	3.5404345	3.596608	3.553777	3.525126	3.596759	3.7238485	3.4184155
CDON	5.287608	5.534392	5.382973	4.860379	5.502618	5.197352	4.368609	5.656994	4.450055	4.797008	5.031253	4.704427

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
SAMD14	4.874024	5.117114	5.2563	5.00169	4.991752	4.707076	5.075045	5.030279	4.871547	4.84803	4.803658	4.704427
AR	6.479508	5.310266	5.8623915	5.999152	4.7378835	4.642457	5.5110595	5.0253935	6.2093355	6.2382355	4.9821235	4.703034
PFKM	9.125656	8.781988	8.890738	9.180773	9.858657	9.166595	10.02848	9.866217	9.753912	10.091	9.846665	10.1713
ILF3	8.579841	8.555193	8.565542	8.381518	9.046712	8.788918	9.24233	8.891089	8.477273	8.907376	8.324203	8.869591
ASTN2	6.188312	6.010437	5.284303	5.762022	8.749168	8.928518	7.713372	8.580395	5.742143	8.837349	8.289474	8.686
FGF22	4.786432	5.125367	4.975751	5.499964	5.446669	5.141279	5.599379	5.504828	5.168162	4.762968	5.369632	5.119943
SALL2	6.66451	6.279359	6.668979	6.549305	6.959682	5.321371	7.255414	6.908891	8.155735	7.700933	5.851563	7.293468
NR1I3	3.4602365	3.8489915	3.6446705	3.492814	3.334245	3.499125	3.404434	3.5379025	3.4262145	3.3839865	3.5206405	3.595507
CYP11B1	3.667104	3.755919	3.38808	3.3915635	3.6638535	3.60276	3.592132	3.6610435	3.6268545	3.520774	3.6370015	3.4886385
GNG7	4.847934	4.84122	4.924005	4.345586	4.43051	4.554998	4.395433	4.668814	4.689683	5.021387	4.786796	4.58891
CHRM2	3.401274	3.32975	3.372054	3.575535	3.503477	3.156605	3.496797	3.691012	3.445978	3.374829	3.337926	3.60416
HGF	3.796059	3.7349	4.56518	4.446565	2.909753	4.10234	3.352626	3.15563	2.90067	2.933827	3.678904	3.424816
RAB23	8.671775	8.262329	8.775906	8.823845	8.354868	7.900289	7.289713	8.452312	8.845861	7.555877	7.679988	6.905384
EFNB3	6.161579	6.482608	6.4639265	6.2901365	6.903231	5.7016995	6.898086	6.786175	6.1710935	7.0116315	5.823389	6.835264
HOXB7	5.203245	6.583529	5.716913	6.477529	7.43742	6.327923	7.520432	7.475732	4.535835	8.104856	6.954701	7.679183
ASCC1	8.071773	8.098546	7.875839	7.7743505	8.5221185	8.399207	8.144595	8.593921	8.153512	7.4208405	8.2414825	7.3648145
PRDX3	7.9691115	7.9168955	8.1572505	7.833199	8.48157	8.3667325	8.582873	8.5434315	7.944278	8.089442	7.985794	7.8911255
SESN3	4.572598	3.883913	3.830611	4.114353	5.084863	4.946523	3.503335	5.754059	3.457107	3.696812	3.548382	3.885733
MAML1	6.396885	6.3867655	6.197877	6.14168	6.299554	5.9706315	6.2192165	6.2320445	5.9197495	6.482352	6.312851	7.048595
CEP63	7.731723	7.231583	7.346146	7.293878	6.591944	6.446693	6.531758	6.460463	7.283437	6.113738	5.696601	6.299205
TREX1	7.6970545	8.038144	7.640073	8.03047	8.08139	7.3270245	7.877592	7.903049	8.592531	7.8215145	7.944251	7.700964
METTL7A	5.395711	5.159257	5.2311485	5.179439	5.4790195	5.192281	5.573004	5.4581665	4.849622	5.41133	5.3360805	6.221075
CRNN	4.619443	4.881005	4.624828	4.784358	4.940815	5.033124	4.645468	4.87675	4.672998	4.423945	4.88146	4.486191
UPF3A	7.901274	7.657414	8.0892565	7.837367	8.329802	8.333213	8.2010155	8.2366885	7.5345735	7.4747145	7.737484	7.4282145
MMP7	4.098006	4.120474	4.211747	4.604812	4.088634	4.114354	4.060509	4.130343	3.828962	3.796257	3.871717	3.994249
GRK5	6.9024775	7.1207485	7.1296815	6.988014	6.7712525	7.043753	6.5550225	6.705137	6.4483915	5.356711	6.775312	6.304105
SLC29A4	6.0411535	6.1733185	6.0992435	5.984158	6.085565	5.945807	6.1322365	6.1199035	6.048769	6.204398	6.042123	6.1613665
MRPL43	8.554041	8.558867	7.791032	8.641895	9.267776	8.372846	8.938497	9.244469	8.635283	9.250178	9.16062	8.797608
HSP90AA1	12.491875	12.30542	12.43663	12.832095	12.92462	13.19735	13.183955	12.854455	12.65008	12.54808	12.03892	12.58493
FCER2	4.3052165	4.8925555	4.286396	4.293973	4.132226	4.250086	4.310088	3.994317	3.9838505	3.575141	4.212176	3.9778945

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
KCTD1	5.3634035	5.9109815	5.3295475	5.676351	5.677659	6.0932145	5.5446705	5.7192665	5.474237	5.433558	5.846105	5.4897895
GBA2	6.6914295	6.6510175	6.9077915	6.6122865	6.675235	6.486705	7.1975265	6.697267	6.3870235	7.11961	6.4719215	7.233729
SACM1L	9.813895	9.392673	9.718003	10.12867	9.895833	10.03958	9.95182	9.902707	9.658479	9.599545	9.514071	9.685081
PCSK7	6.837337	6.2571385	6.6368005	6.5408335	7.380968	7.253395	7.478698	7.370757	6.3057825	6.784424	6.8267935	7.116336
NECAP1	8.250419	7.936087	8.013739	8.409574	8.458741	9.098809	8.89077	8.537392	8.856626	8.386597	9.402655	8.4201
USP32	8.057014	8.008291	8.180835	8.233928	8.523709	8.353478	9.208497	8.550031	7.988801	8.659731	7.799483	8.158658
ROS1	3.2145005	3.424704	3.470964	3.463042	3.2957545	3.132853	3.1065555	3.192693	3.053962	3.1618835	3.241679	3.137529
ZNF215	4.8823185	5.0415245	5.18699	4.9552055	4.872575	5.1257315	4.900101	4.510241	4.756587	4.702981	4.959854	4.669053
PPP1R13L	8.213131	9.058009	8.750089	7.405286	5.426482	5.911026	5.169126	5.466733	7.169595	5.4052	6.228151	5.164613
WEE1	8.539633	8.808679	8.7666725	8.4522685	11.053335	8.8889875	10.322635	11.083155	9.4879485	9.6204705	7.7126825	9.42581
FLOT1	9.289203	9.5639115	8.752516	8.6367915	8.556729	7.084218	8.359832	8.4089765	8.626061	8.2454545	8.282768	7.80977
ESRRG	3.1125375	3.1142105	3.32031	3.1583685	4.135635	3.093547	3.308546	4.1056665	2.98416	3.5648815	3.073515	3.376952
PRPF19	8.740538	8.862012	8.376229	8.82893	8.792608	9.519047	9.584379	8.548205	9.608651	8.847175	9.381964	8.673898
FUBP3	7.2355465	7.022306	7.497596	7.5130275	7.1998565	7.46367	7.3692545	7.2973425	7.4111315	7.5688375	7.741906	8.0836285
ELAC1	5.4163135	4.87527	5.612461	5.4594205	5.576714	5.024504	5.1574235	5.22771	5.7147765	4.961109	5.9446405	5.013417
HARS	9.959492	9.513702	9.592756	9.804016	10.07101	10.50845	10.11374	10.19333	8.882388	9.890164	10.47922	10.02397
FAM3C	2.996319	2.948748	3.122732	2.952198	3.031447	2.831609	3.359299	2.947055	2.803117	4.472274	3.0992	4.790984
NUP133	7.5230405	7.339031	7.5342125	7.3796715	8.450878	7.9633885	8.1312215	8.387356	7.435747	6.8826045	7.3122025	6.7194865
SPC24	6.2616955	5.826507	5.9666225	6.480818	5.9520725	5.145411	6.1495545	5.9278345	5.222631	5.7587095	5.3820605	5.606185
HINT1	11.58776	11.48787	11.76591	11.73143	12.35288	12.71746	12.43342	12.34031	12.44592	12.26075	12.50351	12.20387
IL5RA	3.040804	3.4487295	3.0896325	3.1199	3.0698345	3.005138	3.107583	2.9887335	3.1898875	3.053476	3.237241	3.004123
KCNH6	3.684084	4.092143	3.483031	3.662033	3.700775	3.250235	3.865995	3.722155	3.785776	3.44655	3.925243	3.447014
PRSS16	3.413981	3.695581	3.426627	3.623607	3.409083	3.709049	3.7136	3.6867	3.732432	4.061558	3.662123	3.562763
ARFGAP3	10.27947	10.10907	10.12774	10.1689	9.24318	9.287874	8.971065	9.362542	10.13686	8.745505	9.203815	8.271563
RNF175	3.2328815	3.102772	3.1554925	3.178652	3.3274065	3.2952725	3.294889	3.297433	3.4578525	3.0923955	3.478987	3.1667305
BBS5	4.493165	4.675019	3.823767	4.359011	4.665693	6.353262	4.82392	4.528238	4.828977	3.768023	5.081472	3.681812
HIST1H2BK	8.458105	7.883698	8.561085	9.674079	11.42224	12.09261	11.19614	11.64942	11.42553	10.27294	12.08319	10.31242
PYCARD	8.385937	7.920466	8.030886	8.585908	7.956466	6.881413	6.823365	7.69565	7.293853	6.211685	6.67323	6.38514
RHCG	5.451412	5.63181	5.445908	5.531301	5.228502	5.108493	5.242539	5.287589	5.143351	4.804064	5.163934	4.796212
GJB2	3.269119	2.955087	3.196658	3.937777	2.892419	7.419386	2.667327	2.51405	2.882486	2.985266	6.2431	2.641385

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
PML	6.70403	7.136921	6.6090085	6.332008	6.039814	5.885195	5.9077585	5.884917	7.1614715	5.5515985	6.4280465	5.430923
S100G	3.684009	3.995442	3.948129	3.795886	4.228874	3.840821	3.841849	3.930919	3.90708	3.684009	4.019676	3.493805
OSBPL3	7.693282	7.802152	7.400996	7.637005	9.1177995	9.0615075	8.789606	9.1420075	7.61083	9.1747315	9.2207895	9.05276
SH3BP4	7.378163	7.4908865	7.8438775	7.553115	7.199441	7.2090405	7.089016	7.20793	8.334351	7.146988	7.573797	6.9053
RAB11B	5.7084615	6.9181725	5.7377445	5.567596	5.253426	5.1123115	5.160541	5.15426	4.988349	4.723151	4.798791	4.672611
ZNF92	3.620935	3.659233	3.510688	3.412752	3.893584	3.967512	4.600961	3.739423	3.312474	3.012108	3.131236	3.266184
FAM49A	2.869382	2.829037	2.752372	2.725876	2.833188	2.778994	3.391022	2.767944	7.437399	2.955087	3.185746	2.795555
CR1	3.242723	3.32975	3.404994	3.216454	3.253394	3.196671	3.176033	3.120737	3.192656	3.334791	3.207536	3.248835
SAMD11	6.610461	7.031584	6.368188	6.721232	7.994835	5.723733	5.731202	7.840957	5.893621	5.27365	5.84358	4.704427
GPR160	3.981701	3.845227	4.181243	3.849469	4.108083	4.39585	5.346548	4.101577	6.862152	6.031826	4.386045	5.530777
RASSF1	7.686668	8.269625	8.18574	7.968034	7.816661	7.920352	8.113219	7.619894	7.974211	7.831264	7.956012	7.80413
DCTN1	8.395746	8.590609	8.115437	8.743145	6.998061	7.093371	6.989839	6.657018	6.158018	6.840716	5.566757	6.692977
PTPN18	6.997542	7.158187	7.222771	6.953827	6.259975	6.487236	6.294641	5.88278	6.347282	6.650126	6.952053	6.661302
IDE	7.5545675	6.9785375	7.6123185	7.574663	8.0764435	8.3481935	8.4278675	8.007369	6.935996	7.328235	7.512861	7.340583
COX6A2	5.552218	4.972515	5.175145	5.384583	4.774827	5.123318	4.718752	4.945613	4.944796	4.855353	4.923211	4.778048
LIFR	4.525344	4.415111	4.693202	5.072534	7.088883	6.868028	7.559894	6.874169	5.00434	8.390168	4.719162	7.892468
MTIF3	5.714071	5.576634	5.5635935	5.77992	5.8277095	5.8988735	5.722025	5.891522	5.385486	5.5121445	5.6351515	5.675003
PRKD2	6.920856	6.89377	7.215376	7.118449	6.793576	6.632836	6.721042	6.781481	6.878163	7.013613	6.624741	6.816582
B3GALT5	4.042849	4.530336	4.16494	4.545493	4.162695	4.204244	4.343148	4.306796	4.496094	4.240358	4.358067	4.040452
RHOA	11.92348	12.05734	11.84921	11.62089	11.88965	11.54553	11.68378	11.88615	11.5651	10.14858	11.53901	9.518965
HPR	4.14136	4.304218	4.123359	4.093847	4.060068	4.114353	4.153826	4.151418	4.398569	4.097745	4.363985	3.908024
ZNF83	6.7100955	6.0747435	6.5661775	6.1090065	6.766451	7.4230105	5.019271	6.583937	6.575514	7.397984	7.3871095	5.3108655
ASB4	3.3160165	3.4053315	3.546988	3.4957665	3.3340705	3.3658595	3.5184025	3.445413	3.1834175	3.4704925	3.372153	3.4212755
FCAR	3.242817	3.642818	3.561067	3.60621	3.551604	3.667126	3.39498	3.548756	3.512588	3.512588	3.877624	3.346477
OR8B8	4.874058	5.005557	4.953671	5.172812	4.900356	4.918509	4.818965	4.918509	4.935216	4.702573	4.907161	4.811644
RLN1	3.224585	3.17273	3.043623	3.070109	3.204447	3.119437	2.976088	2.804573	3.250034	2.984763	3.381429	3.0184
TCEAL1	7.432657	7.425899	7.665557	8.278042	8.726692	8.909993	9.655954	8.989377	8.417767	8.003265	8.54225	8.239673
GRIN3A	3.6557525	3.6986325	3.504324	3.754869	3.939815	3.6475575	3.919252	4.0268315	3.6108135	3.853859	3.7008415	3.909032
TMEM69	9.220184	8.769007	8.897121	9.089939	9.591503	10.20508	9.916515	9.678381	9.663547	9.170198	9.381309	9.281954
TMEM71	3.409146	3.350159	3.765479	3.116242	3.2336	6.601525	3.021939	3.302621	3.578384	3.274899	3.730697	3.046664

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
SLC8A2	5.28268	5.657928	5.511932	5.253094	5.489172	4.93586	5.965039	5.511932	5.072803	9.610674	5.327291	7.223557
UPK1A	3.531876	4.187024	3.797306	4.114353	3.943173	3.999702	3.816199	3.999702	3.737537	3.589343	3.842933	3.810784
RAB37	4.609966	4.5898375	4.456585	4.5200015	4.5635315	4.439789	4.4760525	4.6198085	4.368265	4.132274	4.552425	4.2320105
H6PD	6.3479665	7.0934095	6.999065	6.7521005	5.666788	5.6534055	5.463424	5.581629	5.8077675	5.7874605	5.6447655	5.8403655
TPM2	6.3725945	7.3205915	6.509752	6.6811325	6.259133	5.784421	6.124414	6.2961855	5.6428355	6.247375	5.37321	5.8896115
NOS1	3.909827	3.9715105	3.939889	3.993821	4.289865	3.8869625	4.0044315	4.2183195	4.175433	4.016279	4.0659255	4.0239205
SPTB	5.8556685	6.218762	5.813692	5.683603	5.595865	5.632231	5.670507	5.632237	5.491653	5.345645	5.76959	5.417451
KLF2	5.477219	5.438236	4.903811	5.363862	4.932744	4.737123	4.822713	4.449927	5.725558	4.600476	4.669595	4.716014
DHPS	8.555176	8.584109	8.222405	8.516277	8.179449	7.340401	8.554722	7.995295	8.45866	8.544364	8.79143	8.426275
GPR78	4.911737	5.515983	5.207041	5.354937	5.736458	5.497463	5.283447	5.544957	5.102178	5.177095	5.360328	5.007424
MEI1	5.50698	5.571279	5.523666	5.686077	5.051123	5.107492	5.260713	5.219201	5.055226	4.91748	4.751685	4.823345
ZBTB38	8.478985	8.082899	8.273365	6.556544	6.236279	5.9831	5.863341	6.318916	7.004584	5.515398	5.979809	5.774456
PSMB6	10.54372	10.30457	10.05575	10.52634	10.82502	10.66415	10.89234	10.83875	11.11607	10.23314	10.44545	10.07094
PRSS23	7.770015	9.464798	9.759855	9.583708	9.479717	11.09755	9.685738	9.790001	9.825623	9.560015	9.999868	9.096581
BAD	7.083834	7.145607	7.096828	7.422148	6.899594	5.301624	6.802433	6.711086	7.657333	6.706576	6.999063	5.671655
ITGB3BP	9.07506	8.922089	8.9266	8.566534	8.775219	5.821467	8.840603	8.434975	7.918242	8.848067	7.702408	8.690544
TBC1D22A	7.461143	7.573773	7.336098	7.508221	7.28218	6.304322	7.082596	7.275685	7.031115	7.334414	7.705432	7.297749
NIF3L1	8.739076	8.383627	8.259729	8.617256	8.782179	8.179372	9.153444	8.757797	8.728334	8.249926	8.720768	8.430267
SLC22A7	4.687416	5.175694	4.729739	5.204164	4.515195	4.292423	4.573103	4.489945	4.562177	4.387285	4.697536	4.530066
BMP2K	5.41516	5.257717	5.5412795	5.865224	5.564105	6.1699415	5.4382235	5.755188	5.5382555	5.0226965	5.669657	5.7561295
MAP3K7	8.6053045	8.522565	8.801725	8.3197065	8.489115	8.3570465	8.204921	8.4707905	8.572757	7.538897	7.928235	7.349934
PSMA3	4.634066	4.489486	4.756094	4.444278	4.964374	4.728923	4.677826	4.995009	4.864658	4.94377	4.813681	4.557998
NTRK1	3.45667	3.925055	3.391081	3.398021	3.344838	3.473848	3.627146	3.532144	3.360891	3.384368	3.699091	3.309194
PBXIP1	6.659622	6.8618595	6.4569505	6.446332	6.8409705	7.4703925	6.7491835	6.970118	7.3012	6.5058895	6.3309725	6.422635
TREM2	6.168826	6.531677	6.058644	6.264147	6.267745	6.267745	6.096272	6.366292	6.187534	6.228815	6.741962	6.136129
SLC25A18	3.9185955	4.249205	4.276997	4.173093	4.422553	4.093097	4.18431	4.225301	4.23918	3.957803	4.065158	3.814197
CLK2	8.502697	8.588362	8.5312	8.102848	8.417288	7.239972	8.642593	8.411736	7.828759	9.017044	8.383476	9.196085
HOXA3	5.324243	5.3769755	5.553706	5.621106	4.294535	4.5841445	4.7300885	4.5816715	4.447435	5.495611	4.553513	6.016237
DAO	4.758218	5.200726	4.36639	4.880315	5.394813	5.167645	5.384894	5.336725	5.0207	4.840322	5.345201	4.455338
UQCRC1	9.991353	10.42144	10.01027	10.57933	11.033	10.89043	11.15425	10.91896	10.44355	10.57569	10.65661	10.47853

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
POLG	6.626113	7.342292	7.214427	6.566097	6.653114	7.16705	6.748265	6.590928	5.353569	5.806127	5.581172	5.670878
KLF3	6.8020445	7.2224775	7.013417	6.25151	7.4253395	8.0800545	7.942149	7.3654925	6.2359195	6.476937	7.566362	6.6342065
SPCS2	10.71719	10.53816	10.88597	10.64995	10.83432	10.35212	11.25511	10.72328	10.63864	10.55261	10.78081	10.14687
ZNF667	6.210551	6.7441985	6.7801555	6.0018285	3.3098585	3.178551	3.615841	3.4598255	6.9349465	6.4976505	3.479881	3.7912435
GKN1	3.863364	3.487368	3.785951	3.945084	3.812169	4.130173	3.391338	3.710415	3.617589	3.701205	3.586521	3.242429
LRFN4	6.418621	7.09618	6.5382945	6.614983	7.1874055	6.823244	7.2762975	6.955796	6.7567425	7.0006085	7.0690415	6.7733455
BCL2L10	4.14554	4.3990045	4.2200695	4.112219	3.8426935	3.92788	4.2108385	3.8939555	3.9796575	3.7297495	3.9303355	3.832607
CAMK2D	8.427258	8.001408	8.509087	8.495681	8.008894	7.870701	7.403693	8.146905	7.674749	8.138241	8.547163	7.672041
TNK2	4.691142	5.268251	4.873857	5.0152	4.817084	4.51626	4.336836	4.430457	4.589617	4.510707	4.679171	4.440244
KCNG4	4.927126	4.943242	4.633854	4.588171	4.891967	4.483909	4.5104	4.945332	5.173534	4.187684	4.603416	4.275561
CD79B	4.556144	5.057549	4.583891	4.559271	4.304271	4.15416	4.181993	3.976379	4.168056	3.878508	4.472121	4.188025
SERPINB2	11.7799	10.48608	9.709401	9.716863	3.478901	6.01008	3.301384	3.202848	5.886416	3.7876	10.07573	3.360822
UCP2	5.0679255	5.565208	5.4271935	5.375201	5.8274555	6.136645	7.0365895	5.7593015	6.591624	5.3494865	5.5388485	5.5934675
SRD5A2	3.8334835	3.696568	3.677326	3.6598975	3.718786	3.5719865	3.716615	3.840003	3.6410305	3.647951	3.6919405	3.781217
FUT4	6.4705025	6.697274	6.9318205	6.796132	4.3263665	5.3231045	4.6412245	4.572794	6.6585445	4.5237485	4.917386	5.486436
SUMO2	11.34347	11.50314	11.33712	11.73903	11.58879	11.09677	11.80835	11.49237	11.45014	11.26657	11.10371	11.41328
SATB1	3.197893	2.971293	3.17403	3.507297	5.919608	3.559959	3.810295	5.564189	4.050089	5.634595	3.59538	5.174839
SPECC1	4.647605	5.006708	4.844913	5.163499	6.811639	6.103952	7.207718	6.974669	6.804024	6.549108	6.204549	6.253713
CDC14A	3.385243	3.158169	2.986193	3.137647	3.124126	3.819836	3.348804	3.292052	2.974845	3.281649	3.435538	3.429186
IL1RAP	7.3802945	7.092097	7.2241375	6.7903175	5.2989445	5.9095915	5.421327	5.4249315	6.689206	5.7898775	5.751246	5.322287
CCT4	8.8679085	8.510907	8.6287965	8.982119	9.3930675	9.609803	9.390861	9.5808095	9.222497	8.6773815	9.7723285	8.7868805
ZNF420	6.2348805	5.48146	5.789536	6.219636	6.4506775	6.672361	5.4287055	6.300991	6.3292155	6.5899215	5.935686	6.6923085
IRX3	8.661184	9.70894	9.291788	9.365914	7.690915	5.746248	6.550176	7.345236	6.74819	10.21658	6.783231	7.322263
CCDC71	5.754738	5.58173	5.523666	5.6226	5.671863	5.620967	5.88087	5.863036	5.420357	5.691179	5.477009	5.946415
PCOLCE2	8.853204	8.282031	8.496552	9.782062	10.06559	11.27792	10.90496	10.25512	5.902659	10.15856	10.32211	10.65302
SOAT1	8.03808	7.409154	8.138941	8.061735	8.210826	8.207832	7.685159	7.959774	8.451871	6.861085	7.666108	6.722476
REEP5	10.467125	10.217577	10.078816	10.31436	10.5546155	10.671485	10.3247495	10.526828	10.224151	10.86335	10.2413125	10.88079
USP26	3.473667	3.25882	3.457587	3.600099	3.158384	3.311525	3.452632	3.099949	2.889094	2.950591	3.192095	2.592079
PSEN2	5.302284	4.883002	6.212602	5.669399	6.002641	5.984214	5.723384	5.986875	6.727918	5.465184	6.250685	4.928989
CASP4	7.327234	6.325624	6.5302435	6.376299	6.798018	5.78925	5.3946455	6.521142	7.0571215	6.206378	6.932146	6.3864865

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
CCR5	5.905749	5.516566	5.821988	5.768334	5.617442	5.391988	5.288771	5.919271	5.723397	5.135064	5.71896	5.302594
NUP50	6.5232915	7.2125405	7.2315215	7.0437105	7.482939	7.4606905	8.133523	7.3045795	6.5677225	6.549867	6.9288795	6.205056
FAT4	6.928531	5.316259	7.21236	7.724456	7.497725	5.693527	5.805871	7.654725	8.224001	8.266471	5.368235	7.194722
TLX3	3.473424	4.175285	3.695385	4.086585	3.562952	3.513076	3.500962	3.707787	3.712276	3.216007	3.484621	3.320264
DGKB	3.0416755	2.8831065	2.8306365	3.349554	3.1203505	2.713722	2.8775095	3.1278545	2.9604295	2.9142975	3.0126305	2.930995
KCNIP4	4.231006	4.357355	4.34488	4.5292635	4.3691825	4.222498	4.1349705	4.226843	4.2491285	4.677303	4.33832	4.4436245
PPRC1	8.184584	8.108324	8.41544	7.758243	7.747818	8.262259	8.255087	7.546239	7.619144	8.04002	8.111182	8.306822
GCC2	3.193132	3.329931	2.969434	3.078139	2.958412	3.498765	3.069321	2.911463	2.829879	3.35957	3.398082	3.22242
GPR176	9.2633675	9.4242625	9.730836	9.501161	7.4963235	6.0019055	8.3604975	7.3865275	8.382069	7.1405985	6.367472	7.246021
HIVEP3	5.379615	4.501647	4.551126	5.502946	4.883371	5.857987	4.475744	4.772288	4.949708	6.914724	6.536154	6.5937
SIRT2	6.496808	6.5049785	6.3991325	6.2424365	6.26919	5.765016	6.256819	6.224563	5.891558	6.5545795	6.140889	6.7607505
RBM12B	6.130706	6.029427	5.58233	5.928511	6.329553	6.281286	6.700211	6.282561	6.666508	6.988391	6.765766	7.343131
IHH	5.322599	5.583782	5.2538405	5.4240865	4.9509175	5.0069025	4.844028	5.1025325	5.1233	4.8540815	5.0647545	5.078025
PCSK9	5.659829	5.451411	4.885747	5.213987	8.619116	9.760897	9.885561	8.584095	6.352772	8.261007	8.839051	9.516036
TP53	5.26057	6.468425	5.7156315	6.692266	7.085303	6.793143	6.98883	6.749507	7.1893345	6.919823	6.4037475	6.6478755
EGFR	7.694458	7.689996	6.643034	6.383701	4.887323	4.69596	4.648227	4.634204	5.455552	4.481802	5.124315	4.908056
IGSF1	3.7771475	3.7937755	3.848733	3.827562	3.730804	3.5922825	3.588019	3.7408755	3.7392875	3.7794615	3.813417	3.5959255
TCTA	8.773783	7.819399	7.900469	8.74334	8.66165	8.076728	8.298061	8.643238	8.050867	7.613151	8.038346	7.246343
PIM1	6.443563	6.676413	6.9571	6.576949	6.646989	6.265615	6.202683	6.624476	7.469035	6.071591	6.697691	6.051794
ADAM19	5.9454955	6.9307925	6.549646	6.4816765	6.413098	6.6230575	6.4647835	6.4667995	6.6184735	6.054572	6.801167	6.1269205
PLVAP	4.694633	4.873554	4.943503	4.882868	5.254138	5.051951	5.302734	5.38709	5.494652	4.942221	5.398922	5.050432
PLA2G1B	3.349901	3.387416	3.022418	3.084024	3.461764	3.224639	3.085927	3.565094	3.862124	3.234714	3.384674	3.210035
ZDHHC22	4.5667135	4.6693505	4.5952045	4.709339	4.5541105	4.129235	4.5118715	4.521345	4.405296	5.582522	4.3890525	5.563802
BTBD7	7.932236	7.059037	7.447082	6.968141	7.224028	7.14858	6.675847	7.159079	6.241425	7.092974	6.366987	7.447598
RSPO3	6.176903	5.643115	7.784587	7.505102	6.767295	3.850732	5.472191	6.281542	7.202031	6.090137	3.841563	5.740117
NDRG2	4.604616	4.690413	4.538409	4.814768	4.833061	4.578429	4.707559	4.937817	4.696134	4.515003	4.864508	4.537817
SALL4	5.654481	5.39996	5.601408	5.525396	6.567727	5.665682	6.766994	6.346518	5.600505	6.889272	5.646706	7.336877
NFKBIB	6.340975	6.807345	6.38701	6.293808	6.579209	6.572608	7.310229	6.298877	7.20413	6.286467	7.386613	6.38514
LEPR	4.751232	5.5620485	5.2794755	4.6864155	4.3498525	3.9931055	4.1654135	4.5073035	4.0793505	4.389607	4.039945	3.8615155
CNNM2	4.45498	5.192475	4.97479	5.27372	5.726787	5.438815	5.748517	5.762505	5.961928	5.509315	6.668615	5.283076

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
SNX8	6.817066	6.827605	6.344812	7.014645	6.142954	5.29147	6.105997	6.028988	7.125335	6.180035	5.843471	5.721107
CIB4	3.199077	3.488421	3.419995	3.395278	3.600727	3.144767	3.216287	3.41928	3.282894	3.429707	3.581392	3.305798
RHBDL2	5.418097	5.265037	4.813887	5.467918	4.823116	5.351016	4.189307	4.528658	4.103017	3.688529	4.818151	3.759012
NFATC3	5.864202	5.9696895	5.8684905	6.161167	7.1370925	6.942388	7.1985775	7.012212	6.739856	6.7790065	6.879723	6.7747855
MXI1	10.87426	10.70986	10.79146	9.906255	8.90689	9.343921	8.72826	8.955207	9.861349	9.833845	9.676872	9.61387
SLC25A3	12.71584	12.62688	12.87289	12.62062	12.76597	12.74923	12.62888	12.81104	12.77127	12.74873	12.61629	12.64829
NEK7	11.40025	11.73734	11.78135	12.11965	11.55997	10.99818	10.82024	11.79745	11.2534	11.04616	10.19567	10.61217
EPX	4.776151	5.113707	4.764576	4.963385	4.979458	4.71761	4.806344	4.88929	4.943731	4.891519	4.851743	4.90665
PLEKHG5	5.931555	6.3300765	5.760328	5.722356	5.6383775	5.738676	5.6587255	5.9195145	5.7749945	5.676738	5.9582195	5.5088245
ZSWIM2	2.429084	2.916965	2.608659	2.737583	2.607078	2.628345	2.482993	2.635543	2.591834	2.6063	2.591225	2.581429
GABPB2	6.133389	5.991823	6.704648	6.422455	6.568587	6.505095	6.174241	6.594944	6.788512	7.559514	8.040253	7.689623
ZNF284	6.313035	5.711185	5.844953	6.419074	6.775075	6.450036	6.636897	6.744293	6.82627	7.213758	6.5956	7.683167
SLC22A13	4.634066	5.114731	4.366409	5.076135	4.748238	4.611112	4.689351	4.725532	4.618058	4.569496	4.941601	4.631006
CHRNA4	4.317161	4.5881355	4.2636025	4.2797025	4.388826	4.320002	4.3428845	4.401748	4.356551	4.3637295	4.382317	4.09693
ECE2	5.644138	5.36358	5.609559	5.828174	6.132503	6.010835	5.989868	6.078831	5.752666	5.675865	6.007491	5.776324
ZNF653	4.431518	4.5776455	4.872307	4.470123	4.7468345	4.5350775	4.6134675	4.6108025	4.817223	4.5868825	4.658989	4.0853985
MIA	5.259218	6.091891	5.70953	5.790078	4.917244	5.760314	5.363806	5.575611	5.372781	5.168212	5.328429	4.946454
ABCC1	8.9755555	8.865435	9.045624	8.6513335	8.9082415	8.3064365	8.5285275	8.794154	8.2393545	9.0353705	9.190726	8.392119
DQX1	4.634065	4.883916	4.36538	4.60323	4.320579	4.525913	4.562077	4.463667	4.625371	4.447793	4.805674	4.295073
CSMD2	5.301006	5.407773	5.161868	4.983788	4.646488	5.107493	4.069694	4.550514	4.483629	4.188777	4.807868	4.398971
CDK2AP2	7.540043	8.004348	7.545607	7.741654	8.113437	7.596525	8.487488	7.884793	8.231861	8.18535	7.905567	7.552338
SMAD9	7.4679845	7.2068235	6.935563	6.6496665	7.998454	4.4410195	5.2009265	8.011119	4.9519005	4.574908	3.7976725	4.686765
OR12D3	4.343388	4.441493	4.384561	4.694797	4.522034	4.790388	4.222282	4.833882	4.626462	4.460433	5.051938	4.50508
SCGB3A1	5.076424	5.503198	4.974363	5.35003	5.173016	5.35003	5.154613	5.288938	5.275725	5.185089	5.088656	5.174839
TPK1	4.418337	4.017924	4.8948795	4.734742	6.590303	7.476406	6.6069365	6.860141	7.6444325	5.8080905	7.345204	6.7822905
NRXN3	3.29451	3.3461	3.7131235	3.778089	3.517718	3.5672325	3.789961	3.7957035	5.8017875	3.7108845	3.6878055	5.390496
SLC26A7	2.43416	2.762422	2.398436	2.390155	3.877264	4.237294	4.519589	4.121313	2.468848	4.058284	4.089562	4.449546
LMTK3	4.327598	4.847166	4.317641	4.16769	3.503361	3.565093	3.301062	3.676404	3.795199	3.440139	3.50508	3.343787
SASS6	6.027388	5.442196	5.523833	6.138741	6.130842	5.319428	7.20401	6.147332	6.005824	6.163533	4.418746	6.361379
GOLGA4	7.91411	7.398551	7.6735615	7.292759	7.4670515	7.412696	7.679325	7.494871	7.674419	8.487809	6.421902	8.852464

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
KLRD1	3.992966	4.018659	4.058417	3.926538	4.124254	4.195533	3.824501	4.108599	3.886054	3.935971	4.005912	3.783343
MYBBP1A	6.4415425	6.5101525	6.3382475	6.822928	7.398371	7.9044975	7.737453	7.220011	6.870161	7.669082	7.716715	7.957331
CASP9	5.492742	5.133822	5.3585645	5.681855	5.700351	5.699646	5.495815	5.6819725	5.910439	5.760975	5.8987485	5.588588
DMRT1	3.040764	2.981223	3.196659	3.055858	2.963745	2.820563	3.440104	2.947334	2.713117	2.710492	3.211134	2.96064
FGF5	7.796038	8.169283	8.506473	8.337993	4.495004	5.190083	4.721906	4.911579	5.932704	4.506641	4.653987	4.365102
ANAPC11	8.2866915	8.3050325	8.187861	8.1012565	7.9584755	7.5742955	7.781139	7.877731	7.8876215	7.9691325	7.87807	7.5656945
FGFR2	4.149189	4.350029	4.068587	4.2182	4.880087	5.344707	5.076917	5.123812	4.335159	4.409405	4.976778	4.455338
THNSL1	4.950317	4.69302	4.8976145	5.4859265	5.814994	5.775671	5.886158	5.717308	6.11233	5.9049755	5.9132005	5.747338
MAN1A1	8.797892	8.4790665	8.124661	8.7515235	5.399772	6.866853	6.8717415	5.717197	8.4509525	5.5282715	5.8940195	5.153445
ITGA11	6.9064545	7.563182	8.3400485	7.853617	6.765475	6.280591	5.8450615	6.8807275	9.2381715	6.596144	6.7389815	6.529469
HIST1H1E	4.264764	4.869914	4.373838	4.139884	4.91362	4.669019	5.598718	5.120767	4.425056	4.415253	4.923075	4.746291
UAP1L1	6.330423	6.383317	6.413261	6.606659	7.535703	4.315058	5.975385	7.427998	7.135164	6.531378	5.17896	6.318761
SPHK2	6.40131	6.6447285	6.3263755	6.635835	6.8528865	7.248537	6.6204375	6.702299	7.0079405	6.5142495	7.062514	6.618287
ZFAND3	7.9302685	8.230485	7.9835315	8.072777	7.7286475	8.236638	7.35976	7.7198475	8.4508905	7.8730925	8.0850565	7.8465585
PLA2G4D	3.745425	3.622948	3.551638	3.823209	3.69179	3.543271	3.641191	3.473237	3.48462	3.536878	3.356295	3.33005
HCP5	4.060949	4.575133	4.058417	4.236184	5.059402	6.668882	9.625421	5.11338	4.422263	8.784207	8.873065	8.974154
FAM24B	6.137841	6.224091	6.290415	5.836077	6.883744	9.064578	7.766508	7.021891	5.94124	7.048709	8.092196	6.886089
ALKBH6	7.683172	7.498515	7.136365	7.545343	7.395318	7.214106	7.564265	7.498635	7.543193	6.940553	8.289334	7.125854
PREPL	8.237131	8.1135635	8.389918	8.437799	8.813793	9.3340125	8.345742	8.942859	8.131557	8.304619	8.3453855	8.320308
NOL12	6.5922225	6.418983	6.4405625	6.332097	6.326308	6.1666165	6.3907245	6.2852085	5.994811	6.28047	6.546541	6.0562365
CDC6	7.057992	6.834067	6.8814005	7.5727895	8.1521915	6.6339245	8.620678	7.8883515	6.7311665	6.78388	5.895815	6.1989255
LHX2	3.9949815	4.1275025	4.0622175	4.0513735	3.8745765	3.934337	5.346321	3.887242	4.012359	5.242458	4.4966235	5.4049255
NRN1	9.366505	9.89332	10.03402	10.58285	8.610102	8.309909	8.949352	8.668773	2.808372	8.413775	8.843365	8.744982
H1FX	8.421871	9.015648	8.464887	8.219773	7.832911	7.396983	8.868308	7.528635	7.99596	9.062016	7.510434	9.263227
NID1	7.994353	8.627533	8.932366	8.079172	8.848362	5.527114	5.838758	8.596674	6.636587	7.835725	6.388575	7.539617
COPS6	9.835537	9.610147	9.4489675	9.8934255	9.1802	9.4855275	9.623607	9.1953955	8.7819695	9.0403095	9.140999	9.052143
PEX6	6.807021	7.3858525	7.645566	5.7881475	7.0971535	7.931592	6.6102035	7.11065	5.707564	6.6470875	6.655599	7.576768
RBM15B	7.5519945	7.3932505	8.0127255	7.787985	7.971656	7.714403	7.934204	7.9970755	7.676173	8.215478	7.93255	8.153118
PSG7	6.602439	9.114403	8.803871	6.655828	6.454815	7.151481	5.379434	6.658751	6.259414	5.770886	5.61917	5.124988
PPP1R10	6.7982475	6.822227	6.659256	6.925062	7.1436705	7.9140445	7.287046	7.1161475	6.3380755	7.0159695	6.696369	7.297641

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
MTMR7	2.683382	2.668326	2.623884	2.729571	2.86963	2.697157	2.954562	2.865593	2.709432	2.60702	2.702243	2.694963
PDCD4	2.877697	2.844185	3.1769	2.634655	2.896668	2.938728	2.867077	2.479089	4.867979	2.982241	2.792645	2.792054
SPON1	5.760728	4.532892	4.803135	3.610422	3.755371	4.00052	3.808375	3.653143	3.854316	3.680107	3.565272	3.133355
TNRC6B	7.25918	6.239289	6.482469	6.570568	7.665566	8.034348	7.487201	7.764639	6.72716	7.938758	7.174108	8.25935
SOX3	4.0813715	4.378419	4.139323	4.284001	4.2753395	4.1248105	4.0205735	4.198945	4.086319	3.7846775	4.126679	3.852468
AGBL1	3.039443	2.722556	3.145335	3.308889	3.326533	3.177493	3.321018	3.470893	3.145581	3.34507	3.565093	3.100685
RGS6	4.7183665	4.8662255	4.6307735	4.7156615	4.8360565	4.595008	4.931563	4.765087	4.6215455	4.553032	4.6725865	4.715544
NME4	9.957664	10.31133	9.83226	9.945695	9.476643	8.36113	9.7666	9.157386	9.78247	10.0105	8.582726	9.785019
CCM2	8.90171	8.866707	8.726946	8.893883	8.553269	9.261474	8.334784	8.588585	8.149299	8.319398	9.184585	8.283382
CLUL1	3.025088	3.154285	3.04647	3.183697	3.134644	3.086829	2.922879	3.152689	2.94281	3.284212	2.973939	2.957632
RIF1	5.4835255	6.0028785	5.720592	4.8141315	5.9006365	5.993703	6.3918625	5.9408085	5.506458	5.046466	4.735378	5.349696
BOLL	4.094647	3.961344	4.338759	4.072098	4.186805	3.994249	4.029062	4.071518	4.018513	3.832851	3.903846	4.090556
RAG1	2.8118325	2.8680295	2.739025	2.8521	2.6353505	2.8603745	2.6408935	2.7618205	3.4024755	2.531064	2.7265325	2.4764665
RBM19	6.5053025	6.0078075	6.1502365	6.300024	6.4493115	6.484305	6.7689	6.578084	6.314384	6.071715	6.4726505	6.178826
OR2L1P	3.6130745	4.013181	3.6728855	4.1729825	4.1408975	4.317339	4.185132	4.1659035	4.143288	3.786986	4.2778255	4.0871225
GPR55	3.999572	4.114185	3.8173205	3.5938875	3.6845345	3.639684	3.742176	3.703238	3.6896625	3.43226	3.8374505	3.4474415
CMTM2	3.224412	3.127345	3.196658	3.223049	3.423989	3.172236	3.269801	3.265178	3.142179	3.376085	3.261423	2.74711
C6	3.583395	4.164174	3.983082	4.115266	4.551508	4.436801	4.204794	4.488006	3.91907	4.161325	4.321202	4.257853
CPLX2	3.765488	3.9665375	3.9448685	4.355651	4.0003375	4.0431685	4.050743	3.9805465	3.8606325	3.796009	4.184386	3.767092
LDHB	12.502215	12.149325	12.1593	12.410075	13.19731	13.182865	13.33911	13.157395	12.97638	12.887145	12.762335	12.892205
SERINC3	10.155885	9.462167	9.5791045	9.670054	9.8719985	10.35521	9.41156	9.9458	9.599032	9.2084425	10.129255	9.299723
GTF2E2	9.186974	8.749985	8.986457	8.987006	9.185907	9.131257	8.907454	9.022137	8.87016	8.703982	9.304867	8.545773
ZMYND11	7.9463545	7.967657	8.2196865	7.256464	7.3825585	6.508904	7.1796625	7.2616945	6.73609	5.8731665	6.3680905	5.379557
CYP4V2	5.324229	4.5207775	5.112542	5.3183885	4.223035	4.631874	4.469714	4.095215	6.3085685	4.8035115	5.314603	5.1120965
SLC19A3	3.155006	3.264205	3.432898	3.1527315	3.168734	3.257126	3.1561725	3.2665745	3.2756895	3.1551125	3.438265	3.1208855
PMFBP1	4.363367	4.533283	4.4948	4.533283	4.64237	4.27981	4.33633	4.774261	4.213634	4.777065	4.682956	4.341098
GREM2	8.236053	7.968749	8.369595	8.178671	6.717362	3.582063	3.511453	6.384507	3.687257	3.205366	3.955055	2.785527
POU2F1	5.800333	5.957519	5.9259465	5.7892425	6.385848	6.4089405	6.7349695	6.4653665	6.4045335	6.151262	6.589467	6.608828
CTLA4	4.346907	3.997041	4.215483	3.844584	4.041391	4.184065	4.220519	4.354696	3.868196	3.627386	4.071705	3.821487
CYP2W1	4.898894	5.462748	4.922361	5.03416	4.521142	4.695338	4.298504	4.496591	4.418979	4.623361	4.901026	4.513821

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
ITGB1BP2	4.500874	4.872843	4.615008	4.717004	5.067312	4.875288	4.87675	5.077935	4.778503	4.563474	4.660167	4.394262
KATNAL2	4.4131005	4.291779	4.438407	4.100158	4.8024565	4.568436	4.45131	4.6570725	4.4364845	4.232576	5.220298	4.186622
RNMT	6.9576345	6.9941385	7.1845895	7.337445	6.901505	7.337428	7.2601295	6.8695575	7.74131	6.5762615	6.6983325	6.4453145
CAB39L	6.637239	5.969622	5.820676	7.222937	6.344517	6.933161	6.298251	6.164636	6.255113	5.868935	6.375474	4.97609
PPM1B	7.933817	7.4752415	7.728837	8.2797085	9.1307465	8.3481665	9.029551	9.09733	8.469854	8.605765	8.4535135	9.088117
RAD51C	7.0888865	6.733362	7.14622	7.0194435	8.117726	8.4783085	8.716949	8.1454215	7.6843505	7.5963025	8.7632425	7.781474
MOGAT3	3.19763	2.909402	3.090256	3.295123	3.259988	3.353965	3.15339	3.688985	3.044272	3.043813	3.161065	3.216995
TPX2	9.99227	9.807816	9.245372	9.660724	9.53612	7.439484	9.816915	9.151526	6.878196	8.499708	7.298983	7.952413
STAP2	5.550691	5.86167	5.906648	5.497162	6.530854	5.874698	6.21755	6.365851	6.52436	6.187636	6.461006	6.449629
CALR3	3.472587	3.702528	3.885435	3.549899	3.582821	3.401221	3.565094	3.645362	3.540059	3.309052	3.694252	3.282531
RBM7	8.9127465	8.68858	9.036524	8.896189	8.0412645	8.6547745	8.147686	8.062737	8.4587995	7.468156	7.7048575	6.14325
TRA2A	7.019005	5.868239	5.837073	5.097295	6.282312	4.724085	5.813948	6.296479	5.779821	8.324554	6.021312	8.781929
USP20	6.27922	6.583806	6.522497	6.588926	6.426137	6.950231	6.119782	6.493368	6.571281	6.819647	6.664226	6.819647
GPRC5C	5.1878625	5.6045665	4.7017965	5.1637505	5.826269	6.4180585	5.058299	5.837193	6.723968	5.0019625	5.808391	4.7561325
ILK	11.1567	11.38909	11.05187	11.4793	10.03522	9.278325	9.533964	9.802371	10.12779	9.269367	9.280224	9.118508
ASZ1	2.346389	2.447622	2.583806	2.381038	2.254588	2.515161	2.894629	2.407448	2.337987	2.424952	2.429348	2.408933
PGK2	4.49921	4.93993	4.510628	4.505794	4.500561	4.437479	4.500561	4.421764	4.074641	4.32508	4.447767	3.638948
DEXI	8.617961	8.425412	8.764413	8.83201	8.45535	9.270182	8.640051	8.401962	8.350766	8.216013	9.003883	7.664689
ARRDC4	7.834293	8.046411	8.320396	8.570152	7.756159	10.33356	9.270302	8.030545	9.124719	9.534502	7.957342	8.515789
MAPK3	9.094952	9.682655	9.208898	9.313432	8.304327	7.857954	7.911348	8.375474	8.696573	8.258435	8.127641	8.48039
LDHD	4.735872	4.775949	4.656095	4.616035	4.453951	4.467746	4.081291	4.242613	4.531591	4.11458	4.467746	3.729105
APOL1	5.569757	5.880602	6.02146	5.872146	6.921912	7.465565	7.618035	6.947968	6.878819	8.993733	8.693252	9.003517
LILRA6	3.442602	3.558995	3.709251	3.492546	3.542645	3.311575	3.381429	3.575035	3.438865	3.38518	3.537086	3.338846
DIABLO	9.392134	9.100342	9.359549	9.669471	9.817112	9.522957	9.844405	9.869075	10.02396	9.565742	10.12075	9.538633
KIF1B	8.530397	7.834109	8.330259	8.0217385	7.620882	7.9009245	7.751372	7.6888345	7.172422	7.8700825	7.8491555	7.8621135
GYPB	4.7053645	4.682756	4.855308	4.8822565	4.9926745	4.8656935	4.8484565	5.0129	4.7842515	4.5681165	4.9032505	4.538259
PRSS35	2.70455	2.736756	2.462595	3.697983	2.603333	4.132721	2.810457	2.713222	4.958696	2.467912	2.596143	2.931014
LSM5	6.970963	6.639487	6.109519	7.278847	7.412091	7.6336	8.082012	7.245441	7.674326	6.680949	6.583169	7.304753
TRAF5	4.577345	4.634923	5.3241885	4.661085	4.6103235	4.620692	5.642905	4.5575825	5.5837875	5.581893	4.208376	5.364045
KIFAP3	9.673739	9.162463	8.931405	9.105398	11.15607	8.384176	9.36402	11.16137	9.172269	9.52243	9.062733	8.754913

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
GPR61	3.257155	3.432456	3.431402	3.639393	3.768303	3.653122	3.658087	4.052349	3.779418	3.510455	3.819431	3.706397
IL24	5.184677	4.748319	4.840393	4.690671	4.157182	3.927309	4.318609	4.220131	4.195612	4.037858	4.155671	3.756216
SLC16A6	3.7731245	3.5642405	3.9280185	3.7929575	5.892927	6.626218	5.6739795	5.744596	5.3085625	7.3563165	7.3183395	7.685315
HSPB3	6.484525	4.910697	6.728405	6.861673	9.418597	6.277479	7.830099	10.0514	3.84642	6.669486	8.884928	6.424784
RAD54B	7.399833	6.682617	6.258671	7.34059	7.407021	6.091586	7.663578	7.354918	6.089989	7.178248	5.353191	7.068325
HHLA1	6.2580975	6.462904	6.3277345	6.3347695	6.1425865	5.9239555	5.9415135	6.215147	5.8852205	6.0410615	6.0878215	5.796443
IREB2	5.288114	5.1147825	5.0249795	5.1804155	5.5797945	5.619087	5.776252	5.603685	5.507447	5.390663	5.03601	5.7742415
RAPGEFL1	5.412908	6.042459	5.840549	5.45746	5.617108	6.327924	5.422882	5.8527	5.772786	5.843397	5.940556	5.695698
IBTK	6.0911455	5.809158	5.85989	6.0574335	5.855503	6.100157	6.0095805	5.8529045	6.17467	5.9206305	5.6220905	6.4159875
LRIG3	4.817065	4.70902	4.831893	6.670943	7.109565	3.228245	4.874564	6.795072	6.817665	7.047503	5.319559	5.620687
IER3IP1	9.2894325	8.5549185	8.7131395	9.052124	8.7863865	8.7203425	8.734717	9.080977	8.8507915	8.028854	8.9858895	8.2202275
COL6A3	13.23444	13.29851	13.45448	13.19168	10.99199	7.413548	7.742571	10.74795	12.62576	11.61647	9.755302	11.15458
TRIM29	4.988869	5.348282	5.312784	5.28391	5.239944	5.677151	5.428668	5.128335	5.241703	4.932471	5.369632	4.630364
IQCF2	4.327373	4.163135	4.361557	4.229869	4.311429	4.443089	4.55704	4.33298	4.039815	4.274502	4.23192	4.480487
USP30	7.2534625	7.1888065	7.0866515	7.1529075	6.671379	6.259816	6.2788695	6.6206115	7.506135	6.9663185	7.03975	6.56899
NBPF1	9.229982	9.009906	9.161268	7.637499	7.136134	8.365064	7.9918	6.983941	7.96034	9.045714	9.023985	8.722807
CPVL	3.318582	3.683988	3.14885	2.835353	8.219572	6.750947	7.995767	8.250692	7.067853	7.891246	4.381583	8.852564
DHX33	8.0389615	7.967343	7.8517665	8.0828705	8.3585895	8.9701295	8.902299	8.2695045	8.134695	8.716218	8.9104765	9.031443
ARVCF	6.687192	6.776633	6.814257	6.700144	6.629727	6.496339	6.469895	6.671453	6.526622	6.536202	6.623652	6.656487
SLC44A1	6.6507815	7.2580065	6.952895	7.000341	8.7478305	8.628052	9.062834	8.5562175	6.25413	9.21221	7.94846	8.535073
GSR	6.3769145	6.367462	6.5149455	6.8096125	10.241342	9.6959215	10.765755	10.2829	8.3935115	9.0922285	9.7728375	9.083867
APOL6	5.5186	5.792637	5.6306985	5.7025015	4.69567	4.464638	4.4510905	4.4955275	7.507677	4.6250525	5.5565775	5.212773
EIF4G1	8.9769835	9.2697	8.5981445	8.683294	9.163555	9.613701	9.3790155	9.0812105	7.909379	8.774599	8.749213	8.978068
PRPF38B	7.62221	6.4463785	7.191125	6.8556555	7.1407685	6.8363675	7.8025375	7.1519455	6.8423555	7.7673585	6.871479	8.3552105
LRRC41	6.131122	6.4357615	6.023613	6.42891	6.1165335	6.727877	6.455591	6.1299945	5.9834525	5.9843755	6.287092	6.15858
TPP2	5.32956	5.219213	5.155881	4.805974	6.654391	6.163864	6.38072	6.383701	4.114353	4.481036	5.351968	4.51365
RPS6KA4	6.2738465	6.553824	6.221177	6.357801	5.889291	6.010769	5.9124525	5.8657155	5.7831465	5.987098	5.9906625	5.7170345
SEMA5B	6.15956	6.453079	5.991063	6.240964	6.470985	6.580223	6.410157	6.438966	6.664148	7.820039	6.633504	7.818984
NNT	6.346113	6.1223865	6.683474	6.327924	7.0975515	6.0894	7.7972035	6.937432	6.9223215	7.380078	6.6291505	7.164368
UGT2B17	2.380363	2.49893	2.539962	2.420321	2.429348	2.455778	2.324607	2.469828	2.390057	2.590135	2.848657	2.417038

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
NXPH2	4.169723	4.185794	4.038886	4.081053	4.083156	4.12202	4.042416	4.311806	4.150515	3.477648	4.11165	4.003798
TDRD6	3.145717	3.102077	3.196658	3.15288	3.158601	3.014462	3.089708	3.127766	3.481358	2.897352	3.774994	3.205572
PNOC	4.458515	4.764668	4.542243	4.442989	4.678516	4.293665	4.469265	4.600867	4.523877	4.219557	4.328042	4.505971
ROBO1	8.981972	8.465189	8.928028	9.336	10.67029	9.885616	10.81291	10.64506	10.11963	11.34512	10.11635	10.57706
ACO2	7.221124	7.181224	7.152992	7.1755505	7.610953	7.474799	7.673387	7.587429	7.06739	7.5275365	7.4585375	7.6549975
GPBP1L1	8.14535	8.062579	8.013069	8.013928	8.228818	8.479094	8.260647	8.097968	8.212708	7.85775	8.186506	7.782743
NDST1	7.316464	6.510142	6.736963	7.783618	6.30724	6.642004	7.019943	6.577427	7.032093	6.727638	6.036406	6.567365
ANAPC5	8.9228025	9.055279	8.4677845	8.470667	9.257168	9.5645965	9.2771885	9.189696	9.086935	8.393162	9.2679685	8.490563
CNBD1	2.8843035	2.6921805	2.9239615	2.8919675	2.7848145	2.795365	2.7034715	2.780218	2.819014	2.6943775	2.6112895	2.686405
PELI1	4.150467	3.906184	4.026992	3.833127	4.076547	3.801384	3.747151	4.064828	5.010704	5.883016	4.666279	5.059327
PGF	7.228547	7.1535775	6.882493	7.337675	8.109592	6.336938	6.141687	7.9547505	6.337529	7.576069	7.5475865	7.506225
LAMB1	10.2287265	10.203435	10.253601	10.238169	10.408405	10.19609	9.817439	10.390607	10.162335	10.949725	9.5643905	10.95969
TRIP6	7.5899945	7.840626	7.52013	7.7085735	8.0717225	8.078221	7.895754	8.049175	7.4709795	7.2728045	7.802362	7.371549
CLDN16	5.844711	6.102333	5.827919	5.903799	6.143424	6.040801	6.015524	6.138285	6.719408	5.802849	6.132034	5.888247
TOR1AIP2	6.221442	5.645548	5.8620215	5.880283	6.434532	6.881652	6.278561	6.4429765	6.026559	5.661929	6.1251675	5.7113945
APOH	4.456495	4.617733	4.6691005	4.506526	4.440991	4.404448	4.4166315	4.616448	4.7608375	4.888095	4.652353	4.6367455
CNNM3	5.731271	5.829734	5.980148	6.086226	6.350091	7.066306	6.652236	6.330781	6.226002	6.394975	6.66613	6.493685
SLC29A1	6.464162	6.605951	6.1309405	6.5192055	6.578745	6.5039635	7.1274205	6.4336335	7.8142755	5.945041	6.2949445	5.851859
ZNF3	3.5100965	3.7459325	3.6254675	3.627588	3.9154595	3.713199	3.999907	3.913635	3.9600495	3.8895755	3.916198	3.817307
KITLG	8.253454	7.971841	7.499919	7.045493	4.419729	4.460431	4.100283	4.050792	4.409672	2.955087	3.856041	3.373134
TTYH1	4.080401	3.703888	3.658776	4.524357	3.389672	3.605401	3.204115	3.457165	3.671724	4.164397	3.537406	3.721071
CUL4B	9.0595105	9.167885	9.717995	9.2709675	8.736561	8.161764	9.1116325	8.9889625	9.0366295	7.931733	7.137374	7.225189
TEX13B	4.549223	4.690414	4.658195	4.583469	4.905955	4.911095	4.607105	4.852898	4.649864	4.575891	4.895496	4.755049
SKP2	6.357419	7.078981	6.532952	6.541478	8.102411	8.509228	8.947479	7.998981	6.383374	6.011362	6.202183	5.434728
VRK1	7.938251	7.706451	7.785041	8.430973	8.290102	7.536014	9.421745	8.01812	6.981869	8.5447	7.319628	8.806644
CYBB	3.7007685	3.7348775	3.6835035	4.0461585	3.9801585	4.117864	3.860317	3.98063	3.741067	3.672826	3.8930275	3.6275485
TATDN2	6.4674115	6.2790175	6.615233	6.7135225	6.650303	6.999698	6.676075	6.7330835	6.5184385	6.042693	6.9289145	6.1672095
NKX6-3	5.2962475	5.720036	5.3488275	5.560661	5.6478185	5.1547185	5.4447375	5.6638665	5.255328	4.924652	5.327296	4.7918205
VPS26A	6.753437	6.5136225	6.675229	6.595493	6.585306	6.63502	6.7359425	6.500029	6.8907665	7.219173	6.6536965	7.160083
HSF2	6.9303785	6.639977	6.908386	6.526193	7.2938295	7.6496465	7.471103	7.326184	8.0416745	6.7014445	6.538179	6.336566

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
RASAL2	6.208747	6.206721	6.642878	6.818873	5.020536	4.994475	4.020469	5.374564	6.111957	4.79943	5.289437	4.877395
FKBP2	8.852864	8.837635	8.725887	8.898853	8.388481	8.728693	9.049622	8.15735	8.470358	8.808609	8.749142	8.804712
TAZ	6.917461	6.9502685	6.842379	6.867939	6.749257	6.901196	7.0077115	6.679791	7.0738975	7.092649	7.0077345	7.139887
RALBP1	9.051015	8.669846	8.542828	8.215303	9.01442	9.28355	9.340755	8.895355	7.663008	8.621996	8.650569	9.172575
CR2	2.800719	2.884885	2.8541075	2.8210035	2.7355465	2.7613405	2.766698	2.648343	2.80447	2.606011	2.892664	2.6215185
IFNAR1	7.195388	6.4562935	6.8971895	7.1263645	6.5518035	7.3577495	6.627575	6.5210785	7.120539	6.119773	6.2678555	6.383566
LRCH3	5.418097	4.870794	4.754161	4.750654	4.795468	4.612017	4.564209	4.862639	4.687193	6.572287	5.13124	6.946736
CHST1	4.375077	4.2710055	4.504942	4.696786	4.943352	5.3500555	4.578174	4.983607	4.7277785	4.8100755	5.566204	4.4682185
MTPN	5.550021	4.275122	4.813599	5.790932	6.51819	6.39767	6.335124	6.983336	6.915043	5.350884	6.636878	4.856397
IGFBPL1	4.039735	4.268539	4.144807	4.576284	4.320097	5.042206	5.443185	4.537817	5.877933	4.227844	3.943188	4.125705
CA5A	4.809477	4.902622	4.536493	4.823089	4.728079	4.571903	4.40041	4.762723	4.908173	4.610829	4.79788	4.404582
SLC6A19	5.334647	5.90889	5.360894	5.599607	5.31091	5.11989	5.260062	5.021535	5.338862	4.777201	5.26036	4.522168
FAP	10.70559	10.82789	10.48996	9.864429	9.855375	8.718807	7.464788	9.870229	8.780028	9.024267	8.00364	7.583122
SAMD3	4.6465305	4.2491135	4.8752465	4.234239	3.3365605	3.323075	3.28887	3.570348	3.96031	4.1774565	3.399603	3.7444345
HOXB2	8.550231	8.606524	8.531212	9.051048	8.751968	8.723879	8.252902	8.69048	6.892426	8.78965	9.280094	8.796675
LRRC8D	7.836574	8.267662	8.528914	9.309096	8.865162	10.36786	9.365497	8.903981	10.13003	9.24896	10.13722	9.576731
CMTM3	8.49296	8.938612	8.905636	8.611036	8.376488	8.239037	7.614485	8.219571	9.101732	8.438726	8.604588	7.499007
NEUROG3	3.827857	4.743811	3.857843	3.994248	3.857539	4.140224	3.894978	3.910738	3.950562	3.480227	3.93515	3.595891
IL22RA2	3.126377	3.167357	2.89207	3.612497	3.206225	2.967359	3.075805	3.144948	2.962086	2.955505	2.885368	3.057868
MAGED1	12.27912	12.00633	12.12826	12.27125	11.56083	11.14689	11.09313	11.62518	11.43393	11.73075	10.57302	11.69852
TNS3	6.8431375	6.932845	7.220215	6.6202005	6.105681	5.4236305	6.6324575	6.019358	6.836409	6.5757745	7.0288855	7.195299
CTDSPL2	7.05201	7.0588285	7.2484365	7.1335655	7.313533	5.7511695	7.6195075	7.2383665	7.4569745	7.32969	6.390914	6.850959
PRR5	6.926113	7.242298	7.026617	6.866452	6.5060195	8.2199165	7.40692	6.3042655	6.49209	6.184231	7.1941105	5.7430615
TOR1AIP1	7.888345	7.8958385	7.8336225	7.795419	8.5044545	8.2581535	8.4610255	8.4626305	7.5904045	6.3957485	7.435701	5.9328905
SEMA3G	3.953777	4.406052	3.777356	3.589893	3.592195	3.453983	3.381429	3.828042	3.767823	4.188777	3.699459	3.994249
GORASP2	10.39961	10.37621	10.49577	10.6004	9.877612	10.59752	10.08071	10.06144	10.57473	9.633844	10.00774	9.501117
CNKSR2	3.481175	3.442672	3.478974	3.900661	3.88998	3.603707	4.599792	3.728621	3.412433	5.296824	3.278067	5.021989
ABCA7	4.907752	5.778979	5.445908	5.43494	6.02961	5.337708	5.381045	6.022365	6.101733	5.540747	5.325144	5.14813
GIMAP6	2.795725	2.6859445	2.8298935	2.75176	2.8298355	2.7503435	2.790452	2.720792	2.875744	2.5547	2.8111535	2.6511705
GPD2	6.717674	6.82376	6.559693	5.879512	6.410844	7.617873	7.679132	6.191793	5.810747	5.315468	5.87474	5.452533

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
SEMA5A	7.706328	6.844349	8.046125	8.091681	8.356081	8.184587	7.791974	8.529217	6.810513	9.357186	7.79286	9.48019
MGAT4B	9.620478	9.590413	9.295967	10.015385	9.378773	9.9004985	8.2433925	9.238167	9.4319105	9.114702	9.438804	8.971489
STRAP	5.302936	4.648684	4.848284	5.742514	5.293981	6.659399	5.210745	4.956678	5.5957	6.173626	5.641225	6.230738
ING5	6.000106	6.015561	5.869596	6.006235	5.7352935	5.487475	5.9141755	5.749916	5.518548	5.744939	5.87495	5.5298675
PIWIL2	5.380818	4.925157	4.758576	5.302732	5.390403	4.190617	4.156171	4.928778	4.282237	3.890267	4.318422	4.182549
HS3ST3B1	10.75674	8.883661	8.237768	6.641447	5.231453	5.403269	5.309537	5.30447	4.998645	5.27386	4.992869	4.938731
DHX16	8.583162	8.234018	8.412899	8.44623	8.714516	9.079907	9.091724	8.639163	8.616367	8.404741	8.729235	8.59939
DUT	10.3716	10.49144	10.36942	10.88003	11.06413	10.25964	11.50774	10.90187	10.26809	11.07842	10.86258	10.94113
OPA1	7.667537	7.474292	7.435299	7.7188795	7.409405	8.7278935	8.1967575	7.469413	7.606263	8.1924145	6.650893	8.218524
LZTR1	7.163987	7.319493	7.177418	7.317071	6.742705	7.700694	6.793274	7.017405	6.670209	7.518686	7.286539	7.786275
NPPC	4.495512	4.606151	4.58175	4.58648	4.494051	4.61413	4.429787	4.815776	4.473094	4.286207	4.595191	4.301353
CKAP5	9.2485965	9.1565465	8.8932025	8.7038965	8.565861	8.192566	8.791846	8.2981645	8.0262625	8.8715925	8.065346	8.67252
DUSP12	9.17836	8.927721	9.086359	9.271908	8.870689	8.790126	9.477222	8.8812	9.720875	8.462456	9.487356	8.682449
EDEM1	8.460598	8.349684	8.634504	8.89278	8.402563	8.625927	8.579775	8.45072	8.773455	8.412139	8.735121	8.343271
MSMB	2.9175985	2.804316	2.6713785	2.7591875	2.6923015	2.8393055	2.790823	2.531231	2.700774	2.653724	2.6534055	2.731087
CDK5RAP3	9.046089	9.098595	8.880131	8.793733	8.88354	7.906575	8.416687	8.819845	8.925546	9.323047	8.964314	9.227782
L3MBTL2	7.0827385	7.130142	7.1642865	7.292817	7.4980175	7.7457325	7.482627	7.5353245	7.7642655	7.2789365	7.6308215	7.0165395
FOXP2	3.789128	3.989184	4.011031	4.13871	3.962223	3.101874	3.877098	4.042398	4.067735	3.565354	3.712814	3.303706
ALG9	7.631605	6.925695	7.4181185	7.614798	6.690664	7.5561025	7.3212455	6.6633805	6.820604	7.615077	7.641659	7.141034
TDRD10	4.756134	4.886982	5.072605	5.037618	5.237614	5.570145	5.042077	5.384086	4.852349	4.850764	5.27202	5.787859
LCMT2	5.477445	5.2915785	5.6297125	5.6060925	5.8462775	5.554553	5.966204	5.7925865	5.5636565	5.8584935	5.780268	5.5894315
METTL9	8.724796	8.21733	8.099632	9.205385	7.495003	7.184873	7.304308	7.6822	7.560682	7.70277	7.059892	7.509457
OTOF	4.2321265	4.61162	4.2963455	4.006306	4.16539	4.1441405	4.2071545	4.1953525	4.060884	4.143576	4.1936555	3.856936
CDC20	9.151686	8.927305	8.637831	9.023623	9.780969	5.518082	9.989744	9.450478	6.081563	9.010993	7.609966	8.783545
TRIB1	3.743336	4.401224	3.484623	3.630679	3.565094	4.532695	3.593661	3.622034	4.34193	3.579211	3.619652	3.376601
SELE	2.801668	2.716951	2.853453	2.955599	3.026189	3.074964	3.055489	2.774624	3.028348	2.90269	2.916715	2.900651
TTC7B	7.807261	8.109842	7.93769	7.689773	3.917793	4.963149	4.066455	3.900618	7.387222	6.56535	6.719365	6.179905
LEMD2	6.534778	6.440174	6.678542	6.603708	6.12374	6.453954	6.162695	6.121083	6.521565	6.372337	6.456048	6.471141
RING1	8.951364	8.994129	9.0461905	8.863443	8.692804	8.0551075	8.49439	8.7890175	9.1912475	8.6429415	8.8516445	8.627992
TECTA	4.3387195	4.440217	4.4507875	4.443967	4.429259	4.306233	4.358769	4.496956	4.8046	4.5811285	4.382033	4.378995

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
CCNH	9.261127	8.878334	9.069613	9.534507	9.964377	10.09194	10.05628	9.852448	10.20687	9.184462	9.552741	9.450101
CAPNS1	11.84186	12.17266	11.6061	11.7651	10.98799	11.27991	11.10165	10.90781	10.65184	10.8335	10.76349	10.60818
PRMT1	7.3142715	7.440807	7.268743	7.324218	7.7433075	7.8069145	7.7716185	7.4726415	7.6138245	7.356629	7.700651	7.1745745
ANXA11	7.141253	6.863614	7.151451	7.489211	6.000739	6.622083	6.286129	5.991615	6.467901	6.240857	6.569541	6.56732
OR8D2	3.626195	3.86669	3.658591	3.889674	3.919334	3.854593	3.949504	4.051558	3.677282	3.490559	3.494765	3.898588
SETD3	7.602565	6.8962295	7.0276805	7.362263	7.09151	6.9719105	7.4404765	7.0671265	6.7351255	6.705863	7.0013745	7.085739
SEC61G	11.7186	11.75025	11.61852	11.92558	11.20475	11.39292	11.36887	11.2972	11.50047	11.15547	11.28348	11.0104
CLDN6	5.1127715	5.216018	5.157254	5.0974945	5.2377495	5.264963	5.162568	5.342475	5.2335045	4.830531	5.448482	5.0758865
PIWIL1	2.687904	2.51166	2.724579	2.48441	2.489335	2.565022	2.48609	2.396447	2.3972	2.738763	2.628015	2.465675
MFSD1	11.04939	10.1407	10.31061	10.45523	10.64673	11.23558	10.30511	10.92381	10.62959	9.287381	10.69126	9.420485
SDHD	7.5266695	7.3899595	7.7841075	7.2188765	7.764341	7.3125855	7.643496	7.700699	7.205505	7.3283725	7.5778605	7.419791
CD83	5.85587	5.912311	5.713436	6.043796	7.082247	6.336457	7.689521	6.932361	6.269189	7.958815	7.956551	8.424545
REG4	3.423528	3.513847	3.24749	3.590604	3.415845	3.403621	3.403215	3.478986	3.552661	3.265178	3.438572	3.127928
PCDH8	2.440713	2.537799	2.527276	2.294537	2.436375	2.438544	2.298882	2.441302	2.26832	2.519246	2.450461	2.639124
IFRD1	8.032181	7.661482	8.203644	7.893592	8.569227	8.654037	8.312387	8.533658	9.821526	8.877875	10.35416	8.910596
CASP8AP2	5.265995	5.1035795	5.392273	5.1347265	5.0497535	4.168057	5.17905	4.7955385	5.4698545	5.52443	4.250491	6.139578
ADAM30	3.3896175	3.5123715	3.412054	3.2850955	3.5134705	3.246572	3.314484	3.345983	3.273491	3.275207	3.2228915	3.256227
TWSG1	10.221714	10.514094	10.548976	10.237514	9.7222965	9.712879	11.099835	9.750274	9.002273	9.360147	8.4173425	9.6812585
KCNN2	3.261103	3.211623	2.883755	2.670744	3.287238	3.376235	3.06701	3.147569	3.37928	3.265177	3.565093	2.981521
RIOK3	8.471804	8.359018	9.055005	8.348982	8.311628	8.813494	8.00543	8.436032	8.574853	7.963589	8.75548	8.548605
RAB11FIP2	8.460772	7.8523465	8.394139	8.288852	8.713066	8.625459	8.859306	8.742046	8.65576	9.1128195	8.746182	9.219294
ITGAV	11.19301	10.8755	11.18859	11.21457	11.83684	11.40202	11.29647	11.93177	11.80208	11.67265	10.62172	11.47141
SLC5A3	7.8025765	7.3130675	7.664359	7.9822355	7.4157035	8.7603915	7.355469	7.313497	8.2626265	6.170921	6.0742585	6.485606
VNN1	3.0299225	3.175409	3.2539415	3.0824895	2.76039	3.4380605	4.4352205	2.801879	3.243448	6.130071	3.1807955	4.110918
CTR9	9.717236	9.506804	9.795208	9.848753	10.12228	10.49897	10.40071	10.09448	9.279308	9.605643	9.310895	9.817753
GDI2	11.33831	11.490345	11.446785	11.52202	11.606265	11.429035	11.62714	11.59095	11.271415	10.96809	11.40996	10.6121045
SULT2B1	5.002677	5.37889	4.973529	4.825175	4.758473	4.705375	4.825399	5.080619	4.605234	4.780704	4.971059	4.884446
IPP	6.406187	5.95599	6.261088	5.885698	5.6426365	6.1049485	5.6246545	5.7405855	6.0177505	5.3169215	6.4259155	5.5458275
ZNF330	8.8197965	8.842762	8.7275965	8.6647125	8.9647675	9.2481485	9.6092425	8.919084	9.3385115	9.0090245	9.2853465	9.0520535
GRIN2B	4.102704	4.166945	4.150844	4.323929	4.125518	3.748522	3.552735	4.252688	3.83234	3.294154	3.408398	3.55331

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
MFAP5	10.10363	9.990148	10.70501	10.73552	4.910285	9.86544	4.462641	5.997856	3.799399	7.102469	6.309746	6.137326
MBD3L1	3.370967	3.693135	3.642853	3.5959185	3.684055	3.505974	3.41102	3.5968435	3.5017675	3.492244	3.467293	3.448576
SNHG10	3.542692	4.098139	3.64714	3.627089	4.228477	4.017687	4.674133	4.107974	3.476697	3.474982	3.827283	3.520988
LGALS4	4.792457	5.104972	5.119023	4.868499	5.208543	4.865079	4.708445	5.11152	4.904493	4.827173	4.751596	4.599458
EXOC1	9.644871	9.455088	9.889077	9.629522	9.944811	9.869721	9.884851	10.02587	10.29539	10.01513	9.832503	10.00441
ZNF655	7.430975	6.932571	7.055793	7.550076	6.941466	6.758961	7.591834	6.981967	7.071502	6.370158	6.810221	6.440058
DTNA	5.99249	5.35953	4.78122	5.6577095	6.2224325	5.2289055	4.6357535	6.23674	5.949361	6.3943	5.4200995	5.5700745
CCL1	3.522702	3.769002	3.432255	4.216194	3.833877	4.184065	3.755542	4.079686	3.623007	3.628052	3.688184	3.69818
TFAP2B	3.652129	3.842071	3.722301	3.568078	7.566894	4.569912	5.929793	7.156261	3.442917	6.786607	3.459579	7.970452
TEX11	3.363156	3.459889	3.577281	3.607565	3.13913	3.164234	3.34156	3.223462	3.090157	3.059862	3.101261	3.012083
CYP11B2	5.447679	5.220434	5.273438	4.837766	5.415796	5.354171	5.594327	5.499963	5.276381	5.139153	5.242095	5.496003
SUGT1	7.99418	7.137304	7.744758	8.241602	8.151318	7.823967	8.045718	8.122351	7.218292	7.769194	7.064498	7.794811
NCL	7.8829595	7.5790525	7.892079	8.0928705	8.4732175	8.821241	8.3290865	8.267038	8.051525	7.956072	8.46691	8.2985025
LY96	9.412922	9.087427	8.683349	8.860919	8.751338	8.773349	7.338368	8.823367	6.944873	6.641447	9.463085	6.961069
HK3	5.282389	5.747043	5.616007	5.989655	5.730001	5.622206	5.612979	5.702759	5.638317	4.874121	5.417636	4.994994
OR51M1	4.032115	4.17698	4.166291	4.17197	4.058416	3.94539	3.889697	4.146959	4.383721	3.945875	4.143089	4.128269
GTF3C4	7.086085	6.707222	7.073497	6.997178	7.39205	8.575799	7.604842	7.388833	7.050132	6.336604	7.797354	6.485896
KLHDC7A	4.760485	4.7880985	4.990184	5.0346285	4.914138	5.733537	4.771645	5.053549	4.592308	4.4199425	5.003781	4.380243
ICAM5	5.422326	6.377391	5.019179	5.183044	4.227804	4.824126	4.483237	4.788072	5.120769	4.889392	4.77033	4.764668
NRBP1	8.342213	8.709761	8.266395	8.796792	8.866733	8.575519	8.38945	8.773348	8.438433	7.997122	8.076205	7.729228
ADARB1	5.514283	4.704575	5.323952	5.606218	5.046178	5.715539	5.363806	5.4835	5.151949	4.733566	5.43847	4.875485
PLA2G2D	5.490983	5.428886	5.171548	5.009145	5.090775	5.146662	5.037697	5.295121	5.033393	4.849034	5.077584	5.059631
FGF1	5.698771	5.821167	5.290397	5.760942	4.056688	8.41974	4.417284	4.488173	4.678516	4.323643	4.309645	4.184065
HYI	7.339458	7.525148	7.511177	7.546298	7.049788	6.313939	6.54603	7.007946	7.875451	6.365151	6.571661	6.311313
B3GNT7	3.746287	3.880333	3.830953	3.698483	3.786327	3.823906	4.1234905	3.8575965	3.939296	3.7039705	3.730539	3.625705
RYR1	3.312553	3.850772	3.620413	3.563776	4.031744	4.309645	3.676057	3.68592	3.644061	3.491964	4.346445	3.502464
CDH18	4.242349	4.558522	4.843445	4.878608	5.890828	4.114353	4.256718	5.587985	4.351027	4.679558	4.587248	4.175924
MLLT1	6.3970415	6.4402025	6.81692	6.2616975	6.438382	6.406338	6.261182	6.4032405	6.145747	6.060489	6.056632	6.2000715
RHOBTB1	6.759241	6.43127	7.090267	6.888098	7.236102	7.40313	8.082208	7.718942	7.202122	8.286691	6.799095	7.435863
DHX15	11.22516	10.941285	11.07698	11.035745	11.33575	11.18407	11.61641	11.283405	10.86182	10.79864	10.420145	10.56951

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
RBMS3	7.241299	7.42092	7.795321	7.237902	6.618315	5.943748	3.954479	6.63412	6.417306	6.109251	5.296958	6.044257
SMU1	6.932447	6.535856	6.654646	6.91621	7.552591	8.419775	7.138833	7.477213	7.618303	7.158949	7.635882	7.313374
CDH1	3.339143	3.283764	2.9350265	3.2224905	3.0940865	3.2038735	3.9177905	3.034431	3.217505	3.058211	3.0405335	2.8473875
MT2A	13.16138	13.17139	12.84632	12.25454	12.27613	10.83399	10.33591	12.05473	13.65267	10.77095	11.80729	9.935559
TAB3	4.3093315	4.899711	4.454721	3.5219575	3.558936	3.8895605	3.615599	3.508717	3.6873885	3.482338	3.702517	4.2396965
ENAM	2.9957565	3.0143525	3.209186	3.0627355	3.1658545	2.8090315	3.094158	3.146105	2.8315735	2.8037705	2.917475	2.8019185
HSPB6	6.093445	8.45749	6.7365555	7.6535515	4.7742635	4.49433	4.1574875	4.725316	4.5410195	4.107603	4.4410585	4.2176315
ZMYM3	6.103873	6.357524	5.766966	6.337072	5.475913	5.269682	5.256339	5.466592	5.819309	5.168212	5.109833	5.216114
NOX1	4.612027	4.7555905	4.741202	4.722699	4.566626	4.6332405	4.5638745	4.6456045	4.539622	4.33416	4.791031	4.4183015
PTPN6	5.150173	5.971053	5.600294	5.680304	5.170216	5.391836	5.022376	5.292878	5.05596	4.83738	5.244412	4.725544
PSMB1	12.02214	11.74269	11.68312	11.91179	12.24804	12.41973	12.14951	12.3107	12.09723	11.76813	12.30962	11.6298
ELP3	7.822038	7.5404265	7.5732715	7.801718	7.932436	8.6628305	7.856265	7.9311925	8.20175	7.5813305	8.731235	7.9098185
TMEM185B	7.578686	7.661355	7.870315	7.5602865	6.9758775	6.5163215	6.90801	6.8974115	7.618315	6.9391005	7.184718	6.629933
ECSIT	6.764969	6.947346	6.92128	7.048939	7.18735	7.259123	7.801718	7.148316	6.496201	6.864194	6.986788	7.247067
WFDC3	5.373332	5.599961	6.268344	6.113162	5.383605	5.532563	5.14511	5.586257	5.187835	4.947154	5.183486	5.281936
MAEA	9.569404	8.89234	9.431461	9.621104	10.03864	10.13862	9.89257	9.981731	9.825119	9.012582	10.03562	9.036755
TRPM3	3.781823	3.797984	3.940595	3.698402	3.96994	3.64807	3.541647	3.682184	3.618451	3.701635	4.07636	3.679996
MYH14	4.985495	5.3928195	5.121223	5.230173	5.0933525	5.090426	4.994959	5.1579645	4.939509	4.8538415	5.062564	4.7340145
PAX1	4.321339	4.789115	4.588832	4.502948	4.562088	4.435077	4.293895	4.709797	4.609385	4.414792	4.733764	4.044021
COL13A1	7.137674	7.689258	6.59867	6.683414	6.599011	6.096272	5.757903	6.600418	6.008827	6.338362	6.566146	5.838142
PECAM1	4.554473	3.987114	4.22744	4.377004	4.802073	4.473989	4.898363	4.908587	4.580688	5.830453	4.461283	4.618311
TTYH2	4.821689	5.031426	4.9155375	5.145174	6.554925	7.3490385	6.4208605	6.3640295	4.7528125	6.7287845	6.8616395	6.7327845
APOLD1	6.559954	6.719948	5.988796	7.236548	5.70008	5.910315	4.851845	5.633218	8.426401	5.068774	6.167718	4.998364
APOD	4.913928	6.154277	5.911911	5.775178	5.629941	6.076983	5.2749	5.77469	3.995643	6.981445	6.108649	6.528659
TNFRSF13C	5.651979	5.861419	5.912965	5.852506	6.173257	6.115473	6.0187	6.294135	5.841608	5.675189	6.176745	5.521785
STX17	6.454298	6.293226	6.407153	6.62517	6.627722	6.674913	7.000854	6.763554	6.861552	6.749163	6.302782	6.676358
PRDM8	4.6377075	5.517263	5.053192	4.6133275	4.5555445	4.8308935	4.5945725	4.691699	4.5864975	4.4873035	4.6494605	4.667066
EXOSC2	7.213731	6.79333	7.035724	7.610865	7.659314	6.993001	8.033073	7.389528	7.596684	7.51279	7.814501	7.958243
ZNF429	5.1315495	4.8668065	4.8116395	5.2524745	6.032259	4.811409	4.3885535	5.895557	5.242255	5.288847	5.273027	4.9625225
HOXA10	7.7585095	7.6424605	7.8020505	8.1902795	8.7287195	7.79164	7.368373	8.7863045	4.852665	8.1464125	8.0390945	8.2058105

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
RPS29	13.35809	13.36435	13.27934	13.35501	13.44419	13.54762	13.54688	13.44956	13.18189	13.32136	13.44767	13.34824
EXT1	8.694412	7.756938	8.227564	8.458992	4.57639	6.528008	3.908416	4.243132	8.360115	5.171369	4.550714	5.318976
EDNRB	4.06353	3.32975	4.420701	3.766347	3.94333	3.467577	3.589846	4.155056	2.973022	3.938061	3.372137	3.781822
MMP19	7.017982	6.972817	6.988897	6.7772945	6.030588	5.5540735	5.828951	5.9766435	5.294571	6.118578	6.098035	5.861876
TMEM14A	9.548082	9.437055	9.525393	10.09796	10.42269	9.770225	10.73123	10.38832	9.995691	9.398138	8.588272	9.4643
SMARCD2	8.106953	8.307224	8.152185	8.317258	8.474211	8.315831	8.535016	8.388111	7.802527	8.70612	8.721749	8.519226
CA10	3.209952	3.518979	3.117527	3.20065	3.179769	3.510993	3.3863145	3.381201	3.169011	3.176524	5.610164	3.2614225
TREH	3.454252	3.876534	3.577631	3.52748	3.360543	3.561201	3.228811	3.259555	3.521481	3.425556	3.362609	3.038498
PCDHGA9	5.472475	5.55818	5.529233	5.402402	5.591343	5.614832	5.211797	5.661779	5.703727	5.770196	5.38711	5.497306
AURKAIP1	7.763934	7.821548	7.439148	8.00172	8.376982	8.431437	8.591211	8.269036	8.02682	7.957935	8.553643	8.186557
RNF41	6.938411	6.754888	7.245694	6.915411	6.874434	7.375196	6.348439	6.767078	8.079285	6.205629	7.013991	6.579767
FHL2	11.58372	11.91264	11.97498	11.61746	10.45392	9.645147	9.731773	10.6409	11.74766	8.546893	9.287746	9.288313
RAB25	4.217205	4.232928	3.868187	4.145237	4.038477	4.069106	3.903669	3.755967	4.157776	3.442761	3.830355	3.510276
PDE7B	6.225935	6.815587	6.38186	6.769284	7.149938	6.708684	7.835003	6.959722	5.226139	6.340554	6.356942	7.415907
NEDD4	8.872262	8.886687	8.97322	9.214513	7.389796	8.167224	7.856474	7.42608	8.071299	7.302108	7.095617	7.625565
ZFP3	5.894546	5.834505	5.76367	5.301533	4.934994	4.491484	5.676224	4.931729	6.668883	6.910188	5.94451	6.951318
ARL14	2.608009	2.539158	2.751273	2.499874	2.443118	3.032392	2.529446	2.479603	2.549177	2.498914	3.052864	2.653227
CLYBL	3.732868	3.565093	3.685393	3.123741	3.560033	3.793347	3.71198	3.55042	3.643619	3.700149	3.676057	3.65308
NLGN1	3.360866	3.3824835	4.429653	4.8680765	5.830426	4.0654165	6.7253885	5.893272	2.93106	6.954287	2.896351	7.173833
CLEC4E	4.0410005	3.9445735	3.945874	3.8505545	3.81861	3.923333	3.8439675	3.9547475	3.864894	3.776356	3.9685315	4.031547
MAP3K4	9.615738	8.9696985	8.7693755	9.0642275	8.4475625	7.365019	8.716181	8.3606375	8.1078705	8.9917285	8.0052065	8.919418
BAMBI	4.518548	5.210746	5.592507	5.953197	8.569592	7.371948	7.631752	8.717667	9.848623	8.051304	9.515169	8.039285
COX6A1	7.657617	7.8700705	7.4182405	7.8806935	8.145759	8.058835	8.24356	8.076315	7.9464965	7.929607	8.171612	8.121482
DNAJC9	6.330683	5.842174	6.2054175	6.4252875	6.1019755	6.445134	6.8213855	6.098041	6.4693925	6.126279	5.7848355	6.3367935
HTR1D	3.564867	3.647602	3.636412	3.303605	3.50256	3.166127	3.323654	3.317073	3.588099	3.331939	3.463918	3.837508
ZBTB44	6.767079	6.79333	7.023968	6.627797	6.338654	7.330453	6.303449	6.213983	6.930746	6.783542	6.336952	6.498003
STOML1	7.300564	6.915109	7.024879	7.234416	6.608706	7.105304	6.708289	6.861707	7.400806	6.972078	7.533379	6.758715
XRCC6	7.463059	7.29275	7.3521525	7.5615145	7.8627445	7.7641045	7.8177055	7.8272705	7.6521445	7.585016	7.7402345	7.4734325
TPD52L3	3.8962725	4.125076	3.718114	3.557134	3.5358675	3.4563	3.616311	3.693009	3.4511635	3.701336	3.524635	3.450023
MAP4	8.629972	8.814488	9.088868	9.314246	8.298364	8.69945	8.28626	8.214683	8.693263	8.630032	8.281988	8.805439

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
FRY	4.385767	4.514842	5.160639	4.508821	5.52767	5.926264	6.272219	5.685139	4.339068	5.294911	3.973246	5.566313
GPD1	3.8402835	4.305984	4.057102	4.185518	4.3149475	4.158223	4.149379	4.042995	4.216157	3.964299	4.397737	3.952042
PLA2G6	7.053874	7.29768	7.098907	7.215977	7.153973	7.204687	7.167471	7.407267	7.045884	6.968499	7.340966	7.112735
UBE2D1	5.932274	6.159275	6.357802	6.255173	7.502499	7.275567	7.649529	7.559541	6.592989	5.86517	5.977636	4.03574
CEP135	4.792883	4.67613	4.6910335	4.895015	4.575968	4.930896	4.6930725	4.337777	5.304754	5.3107755	4.4202775	5.907487
CCL25	4.059619	3.974649	3.799325	3.607013	3.616086	3.515547	3.463879	3.499621	3.592847	3.384933	3.822982	3.631048
STX16	8.5511505	8.3406355	8.994373	8.059097	7.8313675	7.763146	8.244154	7.8631935	7.8022285	7.8537105	7.740934	8.4568565
XPO4	6.7414855	6.443762	6.7468295	6.6735615	6.714333	7.5034395	7.351761	6.7097445	6.5137325	6.7126835	7.121286	7.0862835
NDUFS7	6.558976	6.833201	6.524119	6.908652	7.0859205	7.14729	7.2192415	7.1253175	6.9506545	7.0558655	7.0071845	6.851416
GPR162	4.950259	5.062315	4.871801	4.848112	4.603344	4.430873	4.513336	4.646725	4.706715	4.733246	4.73042	4.837979
SGIP1	3.424791	5.565309	6.33259	4.862435	2.757783	2.908073	2.87604	3.071194	7.451793	2.856731	3.063764	3.2917
WDR7	5.0155235	4.5751045	4.9017275	4.9856085	4.897634	4.756419	4.8524845	4.931055	5.193775	4.685951	4.7431685	4.7716095
NDST3	3.165474	3.629143	3.643092	3.572926	3.67072	3.571549	3.548192	3.624122	3.68412	4.06321	3.59703	3.237369
DIAPH2	7.643192	7.529429	7.627141	7.341449	5.957176	5.960378	6.426262	6.01705	6.03029	7.014064	5.937728	7.102067
HIC1	6.007583	6.737825	6.071889	6.168827	5.298461	5.671519	4.555266	5.284515	5.300306	4.69516	5.114388	4.620264
F5	4.062762	4.631145	4.506039	4.218889	4.280798	4.1616	4.257753	4.39168	3.859697	4.144702	4.165167	4.100293
FHOD1	6.781386	6.97373	7.07123	7.867699	7.430035	6.481123	6.963199	7.265553	7.083538	6.897264	6.953376	6.918829
P2RY2	4.409024	4.34193	4.07446	4.496081	4.309645	5.447848	4.505491	4.360559	4.269486	3.778251	5.905289	4.562248
IQCK	5.6066135	5.484208	5.522939	5.61755	6.1219135	5.4193235	5.393918	6.074286	5.7702215	5.162258	6.016312	5.2113485
SOX7	3.10304	2.9310885	3.022285	3.122975	3.111543	3.419998	3.256732	2.9317045	3.27282	3.109573	3.446907	3.2609545
CDCA5	7.941988	7.875404	7.94805	8.298111	7.708508	5.90889	8.761683	7.493697	6.613375	7.663362	7.058866	7.197746
JUNB	8.763369	9.428264	8.403427	7.752036	7.680286	6.671257	6.668649	7.350937	8.009691	7.343819	8.481537	7.132913
PAQR9	3.188274	3.08593	3.2792145	3.2598555	3.087419	3.8629335	3.382443	3.28449	3.200921	3.708968	3.4809565	3.858689
RBPMS2	4.455338	5.036317	5.465936	5.391267	5.509453	5.693609	5.156545	5.440749	6.409039	4.910285	4.565624	6.216271
RBM23	8.955611	8.394395	8.696749	8.838843	9.348911	8.51581	9.479502	9.305232	9.192841	8.668707	8.880937	8.436563
DDX3Y	6.55512	3.2330495	3.232256	5.9229235	9.104581	2.8441955	8.874142	9.0786185	8.0310995	7.9238165	7.64953	2.82433
MAGEB18	2.35314	2.140415	2.397918	2.413583	2.33479	2.333198	2.189703	2.213324	2.280595	2.474943	2.429348	2.461275
PSRC1	7.735689	7.53853	7.441881	7.84107	7.946946	4.410935	9.706124	7.666712	5.194129	9.567573	5.395847	8.54961
KCNF1	5.247739	6.163522	5.238798	5.272579	4.628747	4.790339	4.822084	4.789064	4.916126	4.661545	4.859275	4.510051
CREB3L2	6.195943	6.101275	5.683245	6.009433	5.360885	4.944352	5.573276	5.265173	5.30263	5.523522	5.194181	5.206968

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
VIT	4.838105	4.948355	5.348279	7.723052	6.875492	4.484672	4.495853	6.668398	4.602336	4.205919	4.296208	4.439154
ZNF19	5.148695	5.114388	4.999416	5.389792	4.733677	4.649584	4.471725	4.798072	4.982773	5.040876	5.240379	4.817091
CNGB1	3.885133	3.890507	3.870697	3.980446	4.001287	3.910172	3.607915	3.910172	3.953697	3.941049	4.034149	3.873289
IRAK4	6.432434	6.324233	6.682671	6.605609	6.379363	6.179639	6.511837	6.448553	5.802698	6.185603	6.119242	6.472207
CYLC1	3.22852	3.171955	2.938847	3.203111	3.161328	2.951223	3.033717	3.17297	3.166728	3.039675	3.355837	3.021037
HPS4	5.689231	5.430729	5.895367	6.073653	6.052612	6.541005	6.315181	5.979249	7.152123	6.743453	7.341972	7.001455
ZMYND10	4.7568475	5.0484525	4.6592535	4.79318	4.4678845	4.460052	4.3505125	4.6241715	4.4492585	4.556751	4.7792465	4.1742765
UGT2A3	2.269232	2.206539	2.296913	2.475691	2.367164	2.30597	2.288187	2.283916	2.261875	2.211077	2.411364	2.461676
NLRP1	6.52499	6.804076	6.770703	6.129822	5.036577	5.475768	5.166574	5.53118	5.245132	5.475632	5.902227	5.429517
UBAP2L	7.8447515	8.1666275	8.044088	8.3882715	8.603	8.9127595	8.339125	8.3607755	8.047993	8.2423485	8.309826	8.156597
ZBTB10	5.308816	5.131325	5.127278	5.431545	5.331779	5.235292	5.266726	5.403762	5.326466	5.393866	5.446687	5.283076
P2RY8	3.540148	3.380175	3.965178	4.097855	4.008913	4.069106	4.076505	4.131866	3.939554	3.945268	4.123635	3.673229
ING1	6.5911525	6.666949	6.63118	6.2840255	6.7405425	6.895849	7.7514975	6.542362	6.501541	7.2593545	6.9186275	7.508704
VMO1	4.2190075	4.0805925	4.168343	3.8828595	4.109985	4.0810835	3.9466295	4.04054	4.000077	3.965035	4.0861185	4.012138
ABCC5	6.021738	5.898796	6.404897	5.527855	7.045586	5.743375	7.516231	7.134299	6.780246	8.316171	7.842636	8.626053
STMN1	6.7104425	6.5309155	6.0145855	7.0080925	6.108656	5.241425	6.6349935	6.280258	5.752968	6.215791	5.3492665	5.939329
FBXL8	4.701756	4.928895	4.629598	5.382355	4.751814	4.559783	4.650774	4.865643	4.544318	4.337556	4.605697	3.842683
TRIT1	7.940243	7.87536	7.831053	8.112099	7.570566	8.594789	8.244456	7.603847	7.875217	8.126174	8.604502	7.80413
GSS	9.0973835	9.049488	9.1461995	9.2272365	9.0890545	9.6545295	9.6071495	9.271567	9.169442	9.5568095	9.589326	9.4793675
PTPRT	4.799006	4.843794	4.615029	4.710693	4.842522	4.752878	4.735067	4.858467	4.77056	4.449485	4.516773	4.673397
GNRH1	4.599259	4.170134	4.6619585	4.1967115	3.610006	3.2374175	3.709425	3.4811825	3.640863	4.757438	3.265142	4.732894
TRIM22	9.626199	9.617114	9.269297	9.868037	11.17349	10.83004	11.59121	11.3743	11.61627	11.939	11.79475	11.70462
HYLS1	8.264455	7.951446	8.266396	8.310676	8.47859	8.134705	8.791265	8.38655	7.755332	7.163261	7.801117	7.473188
BCL11A	5.8648195	5.9821745	5.7406285	5.8564495	6.090471	5.8114045	8.024568	5.7035115	6.1663825	9.1051805	6.5064025	9.380092
PTGS1	10.653355	9.6929615	9.149657	9.307229	5.3184685	6.2424195	6.6315235	5.5429005	4.6651505	5.4992795	4.5719325	5.746796
NCOA4	11.47263	10.96817	11.20153	11.45434	11.95362	11.74907	11.34268	12.01896	11.1354	10.80242	11.34253	10.54014
CD46	8.719854	8.810436	8.780176	8.029361	8.286386	9.715654	8.426562	8.36535	8.696556	6.469271	7.751051	6.311534
VTI1B	7.974669	7.486369	7.92975	8.125662	7.718508	7.681924	7.5079	7.450884	8.081606	6.818274	7.18075	6.615415
TTN	3.6601765	3.7749545	3.76431	3.792256	3.682886	3.8120715	3.816737	3.670159	3.607848	3.835745	3.7871215	3.7104375
NFKBIZ	9.4219595	7.967572	7.232473	6.7954385	6.201287	5.9132265	5.573985	6.171691	9.653989	6.8542105	7.715337	6.7785125

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
SIX5	5.974217	6.334151	6.0548335	5.667198	5.7520955	5.5256525	5.101936	5.49154	5.7919395	5.5784205	5.7707465	5.7832925
ZFP41	5.314473	5.220819	5.348844	5.102974	5.085211	4.978346	4.952797	4.911318	5.588251	5.046681	5.542863	5.62539
EIF4H	11.85711	11.92503	11.80142	11.77425	11.5534	11.64379	11.55433	11.53872	11.23513	11.36888	11.46884	11.22041
UCN3	5.6326	6.017021	5.496224	5.943537	5.803297	5.413451	5.741474	6.067831	5.337293	5.168212	5.88632	5.414603
HTR6	4.094327	4.3926585	4.0960925	4.3854935	4.143124	4.172676	4.1622605	4.1544905	4.15922	4.111452	4.3251395	4.251491
CYP3A5	4.065446	3.4389475	3.423958	3.594333	4.2351405	4.648381	3.5312695	4.1981445	3.306799	3.599449	3.7181765	3.8655905
USP3	7.7945235	7.505211	7.881135	7.864682	7.8808315	8.281359	8.023523	7.833185	8.5678195	8.2224535	8.536522	8.181621
ADH6	4.0455525	4.104021	4.1588825	3.924052	4.0023265	3.7841865	3.9296375	4.019095	3.889123	3.891465	3.95932	3.792748
LAMP2	9.7358375	9.5685535	9.9836665	10.071959	9.8255425	9.3097435	9.856797	9.810692	10.94498	9.976488	9.5627135	9.5350055
SAMD4B	6.872543	7.278873	7.213642	6.581824	6.0206525	6.181139	5.766395	5.917703	5.699375	6.79931	6.619517	6.942826
PIK3CA	6.323375	5.562303	6.237084	5.508826	4.765994	5.765718	4.8296	4.907718	6.486548	5.83186	4.605596	5.579213
PLXNB1	5.928783	6.0244835	6.018589	6.1284555	5.994104	6.398918	5.975679	5.9435195	5.765181	6.0038275	6.1968165	5.752049
ASXL2	5.8849285	6.099302	5.827707	5.422371	5.485442	6.1645895	5.879426	5.4277625	5.3529625	5.9040535	5.413553	6.0482595
TP53I13	6.818508	7.349132	7.491101	6.934094	6.639163	6.814932	7.344499	6.662171	6.774986	7.476547	7.014537	6.978706
ZNF223	4.539375	4.124693	3.883029	4.051905	4.819293	4.562638	4.730077	4.892028	4.574637	4.859255	4.77121	5.187703
ESRRA	6.7713685	6.9768665	6.785077	6.96957	7.2717535	7.8672	7.846717	7.280666	6.6351615	7.727877	7.961574	7.948502
TRPT1	8.033113	8.534129	8.698519	8.140653	8.095545	6.833765	7.875492	8.246344	7.824403	8.052925	7.737878	7.963435
AKT1S1	6.9065225	7.1225125	5.69383	6.661308	7.2510235	7.9334575	7.163512	7.000287	6.1266155	6.224269	6.2511785	6.060062
TMEM127	7.587287	7.478198	7.585014	7.689318	7.390126	7.306645	6.840233	7.440624	7.126996	7.400151	7.334013	7.054061
ZMIZ2	5.7584235	6.1547405	5.976502	5.872279	5.5827645	5.8800365	5.77069	5.520239	6.1233255	6.38163	5.8489935	6.452346
SLC35E3	7.100057	6.991867	7.0188525	7.188095	6.6837795	7.031077	6.751933	6.867713	6.8907125	6.6142115	6.6991645	6.6967355
JPH4	4.885007	5.026537	4.782032	4.715441	5.516249	6.624197	7.411894	5.80734	5.246111	7.994353	7.327177	9.891083
ASTE1	6.477459	6.113112	6.53172	6.646328	6.264784	5.960655	6.641538	6.215031	6.61311	6.517392	6.713111	6.603749
PLD2	7.463738	8.012124	7.396194	7.389488	7.291911	6.312761	6.85342	7.337552	6.426262	7.172996	6.497169	6.89734
SMOC1	5.2237605	6.024891	5.2736285	5.1740645	6.5968745	7.378466	8.1927875	6.3648875	6.67624	7.9030215	7.0941565	8.149295
LCMT1	9.06532	8.939578	8.840493	9.139607	8.454075	8.275663	8.402657	8.447192	8.984934	8.743174	8.859151	8.724496
ALDH8A1	3.192392	2.879523	3.022417	2.877898	3.05734	3.289791	2.823717	3.101398	3.096514	3.785163	4.529752	3.546018
FCHSD2	6.3054555	6.33333	6.495686	6.7592905	6.200874	6.4410345	5.958397	6.215527	6.7338995	6.0252605	6.6542815	6.239054
SGCG	5.202515	6.503161	6.726192	5.65822	7.817241	6.791071	5.47321	7.995055	4.442825	7.798092	10.14039	7.520185
SLC25A29	5.5008425	5.810725	5.5723365	5.205125	5.578852	5.659162	5.8555695	5.4453695	5.7599165	5.808605	4.982729	5.7425575

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MARK4	8.165992	8.715958	8.5778375	7.8533415	7.894777	7.7005355	7.5280445	7.751427	8.139426	8.33859	8.209785	8.2963855
SIRT5	5.3197025	5.3652265	5.242077	5.1051605	5.0121225	5.81112	4.987342	4.929351	5.8296635	5.027104	5.410737	5.296739
ARIH1	8.08702	7.855597	8.277182	7.91011	7.442688	8.207853	7.56196	7.454223	7.509776	7.5635	7.393294	7.630685
ARSJ	8.171067	7.995887	8.68797	9.092924	7.064844	7.213459	4.898363	7.172426	7.629123	5.853744	5.955846	5.6614
LYPD1	3.737011	4.118631	3.642485	5.695081	5.522455	4.153361	3.906101	5.039673	5.009085	3.411836	3.831668	4.018243
ABHD4	7.3364785	7.6876635	7.8140625	7.446506	7.1187365	6.7069875	6.465979	7.195074	8.635866	7.2074355	7.6041495	7.440822
RBP2	3.688181	4.63046	3.797878	3.789265	3.614213	4.759529	4.048192	3.866835	3.677802	3.691486	3.797878	3.415166
CREB3	9.363228	9.224806	9.324201	9.524102	8.819439	8.567322	8.494449	8.882974	9.207693	8.528485	9.195916	8.237103
BTF3L4	6.952253	6.449245	6.520943	6.353471	6.374336	6.277398	6.086571	6.379301	7.435071	6.440386	6.805293	6.448845
TRIM69	5.725573	5.666057	5.904175	5.803898	6.149466	6.293814	6.205869	6.277598	6.54003	5.675446	6.59432	5.70221
CA5B	5.695574	5.8245305	5.6935945	5.407054	5.950873	8.032529	5.6864825	6.1091265	5.5460515	5.3003995	6.4501	5.206701
CHD9	5.5219645	5.4704805	5.3565465	4.745489	6.5403365	6.9917	6.6744585	6.570537	5.6017315	7.309514	6.1540025	7.765758
DGKH	4.9095855	4.2878255	5.117078	4.4457085	5.5175375	5.4793125	6.070061	5.550313	4.283965	5.3126105	4.4813285	6.0104265
BRD7	6.616959	6.7323615	6.5754905	6.6068735	6.8646545	7.3558695	7.2953445	6.7103555	7.754952	6.4468065	6.643528	6.6730885
NCOA2	5.2341085	5.1986225	5.382636	5.0571395	4.999475	4.5818895	4.5097405	4.8720365	4.5575235	4.8601765	4.5519905	5.2066725
SULT1E1	3.557683	3.6141515	3.087161	3.4311545	6.665818	6.905621	8.92968	6.83882	4.6946905	9.01801	9.513798	8.167329
ENPP6	2.190076	2.381906	2.267005	2.348835	2.337667	2.420646	2.469828	2.689008	2.349316	2.292092	2.333044	2.190337
ITGB1	4.345437	5.110015	4.253658	4.675442	3.867675	4.179122	3.712178	3.99617	3.81021	3.350564	3.487727	2.908726
USP38	7.987504	7.419959	8.195577	8.084031	7.369757	8.246699	8.109395	7.381928	8.072479	7.257442	7.575675	7.102172
DEFB119	3.116052	3.7306325	3.4178955	3.4049165	3.373262	3.393049	3.3985445	3.4204135	3.383168	3.3351945	3.4056395	3.231603
PARP3	8.086055	7.724009	7.69627	7.702648	6.464111	6.389763	6.13271	6.182256	6.754396	6.252662	6.660398	5.827456
ZBTB12	5.204134	5.744013	5.333243	5.500493	5.38559	5.675806	5.290248	5.368722	5.884488	5.063045	5.450925	4.80492
TCF7	6.752063	6.5397695	6.3993705	7.170655	7.0432005	5.7510625	6.0904635	6.700962	6.128069	5.8557275	6.5697005	6.135631
SYTL1	4.751546	5.065913	4.462564	4.617364	6.817081	7.637553	6.810988	7.065795	5.270283	7.637546	7.372383	7.293591
PRELID1	9.5099605	9.1925125	9.0651965	9.743447	9.9034445	10.384095	10.1583505	9.796988	9.661116	9.4147205	10.114349	9.4974615
ERC1	6.8386505	6.560585	6.6034455	6.142914	6.496343	6.350692	6.4938945	6.449612	6.0441535	5.7399165	6.206331	6.1284815
HNMT	4.0934875	4.281001	4.0337145	4.164336	5.007673	4.1767805	3.8141165	5.087259	5.2264225	3.336944	4.010872	3.3436075
GSG1	3.221581	3.405678	3.518486	3.497291	3.655934	5.3981365	3.519751	3.5529725	3.619394	3.445847	3.909689	3.529512
SCN1A	2.7044785	2.7516895	3.05918	2.876952	4.2123935	2.8548055	5.044003	4.3442465	2.892608	3.402936	3.076803	3.027797
FAM78B	3.551577	3.796402	3.819074	3.677145	4.242269	4.41681	4.530572	4.450477	3.839859	4.491731	4.555679	4.537817

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
DOC2B	4.1350645	4.428299	4.287577	4.0949895	4.2977365	4.303217	5.5724295	4.219428	4.2074045	3.8713005	4.7384675	4.089157
MFN2	7.430682	7.491995	7.216786	6.857979	7.630527	8.317421	8.075281	7.701394	6.517289	5.824843	7.059793	5.837101
ZC3H15	9.662947	9.58691	9.514391	9.94293	10.4243	10.96167	10.63416	10.39714	10.45724	9.902658	9.764386	10.19744
MMP27	4.546504	3.926022	3.704967	3.808815	3.804462	3.928213	3.652915	3.83502	3.894078	3.477649	3.640249	3.716986
VAMP2	5.152126	6.546764	5.372838	5.447616	4.509435	4.415337	4.114353	4.42591	4.637611	4.910285	4.537817	4.698101
PPP1CA	10.43131	10.2993	10.02441	10.47807	10.27071	10.0784	10.50074	10.14719	10.06871	9.969591	10.27655	9.715462
ZNF696	4.9856855	5.1349325	5.3510185	5.1759955	4.9671455	4.9604115	5.092595	4.8444705	4.9239155	4.9746545	4.958671	5.2111645
SLC3A2	8.388787	8.55621	9.016064	8.667805	9.258061	9.890645	8.890262	9.132803	10.95944	10.11438	10.96966	10.00645
GPR17	3.487533	3.948528	3.1375085	3.5159335	3.585281	5.395671	3.045856	3.492865	3.4822495	3.4284045	3.7331535	3.4245345
ACAA2	7.101627	6.978292	6.749203	6.604931	6.110633	6.151283	6.559692	5.920141	6.386087	6.556546	6.860161	6.519633
SLC7A8	6.41105	6.20122	4.747531	4.703508	5.937693	5.455484	5.167056	6.239401	4.701595	4.677752	5.30149	4.631904
CSPP1	5.430887	5.149298	4.960996	5.109003	5.608749	6.172935	6.477755	5.732022	5.922854	5.546022	5.484943	5.616154
NR4A1	6.406556	7.302114	7.441513	6.714745	6.511951	6.413018	6.665773	6.823157	6.723617	6.690055	6.379049	6.178423
CYP26B1	4.5450255	4.5026235	4.5496225	4.678822	4.8349495	4.6185145	4.4545915	5.10385	4.2955225	4.261575	4.515245	4.154294
SPO11	2.2538	2.121118	2.4813	2.454245	2.2982	2.180563	2.341886	2.282909	2.361944	2.40246	2.177406	2.249241
ARRB2	5.852046	6.421168	6.022364	6.227509	5.747882	5.5868	6.046696	5.433476	4.97542	5.369662	5.405115	5.874467
ZNF664	5.7877135	5.583421	5.5906035	5.7454155	6.024968	5.612418	6.1661175	6.1020875	6.0354855	6.1802325	5.5808445	5.644861
RFC4	9.036058	8.952886	8.766126	9.15548	8.743134	6.75822	9.84011	8.521189	8.844899	8.949742	8.502831	8.925343
UBL4B	5.886699	6.099866	5.961907	6.355587	6.190745	5.732997	5.991967	6.090163	5.790677	5.454408	5.903027	5.961205
KCNA4	4.49235	4.677664	4.795535	4.764668	4.672368	4.351761	4.729412	4.556627	4.52777	4.624828	4.578682	4.57327
CFHR4	3.60618	3.784357	3.627688	3.234013	3.381429	3.324213	3.095899	3.597577	3.91147	3.619004	3.65739	3.521037
ADAMTS15	4.438857	4.233819	4.613486	5.537385	4.2478975	5.303327	4.313819	4.544503	5.3047535	4.28423	4.729334	4.422441
CAV2	9.993729	10.27365	9.687183	10.57057	8.938988	10.60087	10.36585	9.309396	9.762479	8.569523	9.627144	8.640839
CDK5	7.307374	7.149926	7.361023	7.583757	8.876771	7.696393	8.349464	8.797932	8.177982	7.761874	8.502005	7.574048
NFATC2IP	7.8871175	7.5926205	7.654281	7.6659995	7.8267555	7.8492105	8.259434	7.680692	7.5464805	8.2055745	8.249241	8.8587045
VPS54	8.390284	7.765738	8.263863	8.113914	7.705501	8.440821	8.853678	7.619701	7.861963	8.382961	7.696164	8.310175
PTPRC	2.670709	2.584221	2.924422	2.610615	2.873977	7.223922	3.54918	2.658407	2.729682	3.819048	3.634139	7.275494
BLM	6.594122	6.462159	5.975201	6.692429	6.619671	4.820961	7.841465	6.169921	5.771439	7.258893	5.784339	7.139348
POU6F2	3.10184	3.726663	2.91419	3.241379	3.161328	2.986026	3.229996	3.148768	3.263877	3.007228	3.381429	3.038423
LYG2	3.812129	4.072419	4.182822	4.298429	4.380408	4.305724	4.264548	4.271377	4.19176	3.884287	4.349161	3.928739

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
HIPK1	6.2407665	5.511411	5.4949835	5.234854	5.176561	5.024308	5.480581	5.0172585	4.5674395	5.414074	4.9318465	5.579671
ATP6V1C2	4.086205	4.0742565	4.2315475	3.9241545	4.068176	4.2038465	3.79647	4.008194	3.9686705	3.8179895	3.8485115	3.717315
TPSAB1	4.806692	5.080694	5.05362	4.913085	5.025872	5.032937	4.879235	5.061071	4.978839	4.705091	5.078285	4.705631
MAD1L1	6.506758	6.541913	6.265213	7.089854	6.368033	6.900552	6.868969	5.946219	8.526424	6.812468	7.532042	7.298175
NUDT16L1	6.678576	5.964663	6.156002	7.075176	7.781589	7.055642	7.200997	7.768899	6.900506	7.382856	7.356082	7.197416
SPRED1	8.681721	8.307554	8.242678	8.316915	6.916353	7.458001	6.535662	6.895785	8.035562	7.95438	6.942714	7.819539
KCNN3	3.997577	4.1807965	4.013769	4.0978605	6.1629885	4.412572	4.211477	5.78074	4.2271155	6.314076	5.4604185	5.4316695
MAD2L1	9.161282	9.201882	8.942513	8.963668	9.860525	7.62266	10.45652	9.459449	7.573646	7.673978	7.734137	6.246724
RNF11	7.712255	7.721468	7.9193825	8.1622485	7.760601	8.2914665	7.4738105	7.7619795	7.7126215	7.4800355	7.8062925	7.2097745
ARFGAP1	7.677969	8.031507	7.6636025	8.0763305	7.6669195	8.0619625	7.574624	7.6640145	7.723479	7.943066	7.5749245	8.0587715
PON2	9.606495	8.883661	9.306705	9.222932	10.47456	10.95104	10.09847	10.49902	9.802864	9.404118	9.712822	9.330728
FOXM1	8.190567	7.989357	7.727161	8.951617	8.179136	5.051816	8.916874	7.567945	5.92482	7.637996	6.159623	7.518135
PCDHGA4	7.019886	5.981701	6.28024	6.344437	4.320884	3.989673	3.849614	4.380265	4.215771	6.141721	3.479446	5.90889
PCDHB13	4.1679465	4.3776325	4.251619	3.9356075	3.9268595	3.9615935	3.8541375	4.2000825	3.9029735	4.737006	3.901027	3.903326
ZNF418	5.693696	5.495486	5.840891	5.648004	6.07439	5.434139	5.848566	5.692454	5.851138	6.527824	5.95829	6.491851
SPAG9	8.149108	8.145931	7.935863	7.656193	7.368577	7.488614	7.095844	7.21867	7.118288	7.083164	7.180323	8.135089
GBP2	6.275394	6.507245	5.8853515	5.6406815	7.1641065	4.2014725	3.6856185	6.891863	5.4786215	3.93758	5.000292	4.7787935
MRPL2	6.9537515	7.746448	6.7180555	7.2096875	6.9057915	7.3893075	7.1780035	6.883846	6.9727235	7.163627	7.5959125	7.2583905
FEZ2	9.670067	9.575886	9.509281	9.28648	9.110224	8.70448	9.852826	9.150036	9.255298	9.529149	8.795337	9.288992
AGER	4.663141	5.074943	4.7360845	4.487434	4.385159	4.558481	4.109114	4.299093	4.3022025	4.34561	4.355648	4.4503915
PSMD12	9.6689045	9.210297	9.3242555	9.521425	9.7735485	10.35038	10.029931	9.6774365	9.681962	9.1789675	9.527976	9.1983335
GLRA1	3.263779	3.28291	3.711489	3.916452	3.395484	3.424462	3.375446	3.769525	3.432917	3.557099	3.869423	3.298216
FKBP4	5.6152825	5.8146495	5.623234	5.525503	6.3507335	7.263876	6.9877615	6.5033725	5.996207	6.349828	6.8926625	6.2436295
GTPBP2	5.674325	6.198494	5.796107	5.122296	5.080902	5.16465	4.923295	4.931483	5.731061	4.537817	5.204424	4.929798
KLRG1	5.180645	5.131011	5.297463	5.421608	6.251854	6.004162	6.045133	5.912542	5.478639	5.061458	5.71939	4.71286
DKK4	4.233493	3.991422	3.821829	4.431047	3.807406	3.868762	3.920256	3.621886	3.827888	3.778452	3.950562	3.369002
TMEM41A	7.102705	7.5029835	7.55635	7.670555	7.1451725	8.2104285	7.4782985	7.173358	8.1109375	7.464293	7.9632365	7.5245435
TXNRD1	6.9093015	6.4751675	6.967343	6.984274	6.6994665	6.585309	6.6809225	6.7538955	7.441635	6.27234	6.7252095	6.5119815
KCNB2	4.0762835	4.3322175	4.15322	4.065903	4.2603215	3.951972	4.262235	4.188804	4.014535	4.0499855	4.0977415	4.201331
ARHGAP30	3.81576	4.128089	3.992859	4.165565	4.247322	4.748848	4.0834	4.260524	4.087255	4.101799	4.878697	4.012686

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
IL6ST	7.781358	7.844553	8.027575	6.724833	7.943552	8.681823	7.402581	7.618068	7.932794	6.868128	6.391272	7.397628
DAB1	4.966268	4.766435	4.907929	4.816384	5.347542	5.008834	5.592217	5.285309	4.33152	5.865021	4.732086	5.825273
CD300C	4.601827	4.7002	4.594117	4.377004	4.624041	4.762353	4.502713	4.509553	4.511991	4.440736	5.65857	4.385639
TNFRSF10A	5.347953	5.392986	5.478457	5.732745	6.108285	9.409926	7.123233	6.076377	5.880602	4.926744	8.363468	5.395283
RASL10B	5.7282745	5.861339	6.07653	5.4420595	5.3872565	5.4753415	5.425044	5.4625075	6.075961	5.930288	5.4355575	5.7357115
IL17RC	6.80069	7.18378	6.612813	7.011967	6.720299	6.440173	6.745247	6.692438	6.827242	6.69169	6.735962	6.327567
CHURC1	8.423611	7.980068	7.866328	9.700336	10.11579	9.737307	8.236583	10.26245	8.92203	7.214905	7.989578	7.195736
MDN1	3.294309	3.174422	3.115582	3.706731	3.463274	3.295954	4.008184	3.557152	3.211534	4.997025	4.756094	5.499085
MOG	3.722218	3.66637	4.0455455	3.687893	3.817884	3.6623935	3.6666745	3.79178	3.797839	3.9069685	3.6887595	3.9073395
PCDHA2	3.275187	3.570942	3.308807	3.2376595	2.876107	3.6188655	2.8185545	2.967529	3.083337	3.021023	3.3076705	3.249208
APBB1	6.538031	6.791287	6.382539	6.458217	5.486945	4.940027	5.596631	5.690714	6.074264	5.954725	5.496207	5.654335
TRAK2	9.262374	8.1216535	8.5260255	8.5368705	8.792909	8.8297075	9.2193475	8.7459865	7.9124115	9.4619575	8.534369	9.167675
TEX12	2.704138	2.652713	2.643761	2.881928	2.609643	2.811072	2.606224	2.739173	2.854167	2.704254	3.17053	2.69026
OR2B6	3.538053	3.219183	3.417885	3.380653	3.844089	3.520716	3.760204	3.452908	3.574851	3.476107	3.61472	3.19743
GSTM4	5.802522	6.2276935	5.5456415	5.399622	6.029515	4.7718905	5.7446415	5.5708415	4.1915105	5.048851	5.244303	4.677961
CHST5	5.25674	5.415137	5.4888385	5.2303785	5.4903555	5.581966	5.2014985	5.434222	5.5355335	5.3405045	5.3130615	5.3303035
UACA	6.4243995	6.3326345	6.3062835	7.8524015	6.051814	6.9691365	5.9564645	6.024312	7.5136275	6.821991	4.887657	7.1235405
HOMER1	6.617158	6.716708	7.481095	6.937629	7.41834	7.501178	7.394984	7.316603	7.859531	8.342758	7.243173	7.473005
DDX58	5.753699	5.059897	5.326295	5.895884	6.859252	4.764668	7.535529	6.669761	9.553257	7.008285	8.815383	7.291647
IFNA17	5.10415	5.551766	5.445908	5.551705	5.107684	5.159792	5.279186	5.407093	5.139655	4.615829	5.086217	4.877369
DENND2D	4.226243	4.09396	4.074488	4.102037	4.167444	5.027338	3.977443	3.876405	4.405694	3.998188	4.10064	3.919611
P2RY6	4.812613	4.75942	5.217159	5.107145	4.675834	4.615725	4.393088	4.603448	4.649025	4.303984	4.819604	4.405486
AP2A2	8.454657	8.5437875	8.624941	8.503409	8.194877	8.4383645	8.2636745	8.1024935	7.374295	8.199597	7.857076	8.319458
CABP7	4.2162105	4.45191	4.396367	4.4600705	4.5111725	4.462936	4.3250085	4.494563	4.5055515	4.3038385	4.597074	4.2885885
HPRT1	6.5423365	6.6246365	6.639865	6.489018	6.099583	5.785446	6.3134785	5.9663815	6.17546	6.4695045	5.763925	6.4562115
ANKRD13B	5.557533	5.707603	5.2716	5.279997	5.209873	6.202961	5.725587	5.542928	5.206824	5.8009	5.636641	5.878686
GRASP	7.007123	7.146369	6.991036	6.736963	7.31002	7.127694	7.327605	7.136059	6.693752	7.603578	7.228338	7.523859
SLC10A3	8.281157	8.290784	8.7271	8.337494	8.305417	8.821976	8.097049	8.394104	7.636948	7.517809	8.511727	7.5115
ZNF569	5.2760435	5.3075395	5.403926	5.4443005	5.9170365	4.5160695	4.879236	5.7319375	5.439634	5.667434	4.6628845	5.1088825
FMN2	7.567208	8.0045745	7.305208	7.4349385	4.424721	3.530011	3.6150715	4.7587395	4.9884105	3.694349	3.6358025	3.478933

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
MGLL	9.747331	10.166964	10.46195	9.9004095	8.711306	8.7832515	9.063787	8.7743895	10.313483	9.6666965	9.469978	9.306883
CRAT	7.5865695	7.7891495	7.9661225	7.559463	6.666947	7.2533845	6.3769785	6.642505	6.9639065	7.130176	7.456575	6.7848845
RIBC1	5.0239555	4.663313	4.50252	4.805285	5.1375505	4.9026605	5.2218095	5.1992435	4.9739345	4.698925	5.0571415	4.422211
SCN9A	2.6794835	3.1464305	3.18871	4.9994655	2.565839	3.022138	2.689029	2.598279	6.502548	2.7048	2.7478205	2.35002
HSP90AB1	12.23804	12.17198	11.79313	11.44713	12.5388	12.61226	12.66661	12.6075	12.22988	12.03578	12.72496	11.77161
TRIM36	4.46138	4.746313	4.369887	4.6438365	4.467751	4.6976215	4.278424	4.4765085	4.887398	4.127155	4.519675	4.2035135
AURKB	6.403985	6.052116	5.560424	5.543738	5.5458985	3.7447925	6.338099	5.414126	4.1819635	5.633462	4.7293	5.338376
PSMB7	8.279516	7.7356035	7.8197145	7.9401795	7.85443	7.735065	7.979567	7.9274455	7.85865	8.0520185	8.6416315	8.0184
PSMD6	6.9090735	6.14897	6.534738	6.5269895	6.896123	6.774633	6.8222315	6.8887605	6.5701475	6.7321055	6.7889005	6.841518
ZNF354B	4.691392	4.306982	4.7510925	4.690611	5.2565665	4.73018	5.018292	5.149007	5.9176185	6.06587	4.7939815	5.42435
EED	6.1679335	5.567222	6.211494	6.0160855	6.36046	6.162122	6.561142	6.294284	6.0672775	6.8409875	5.9232455	7.026459
ICAM4	3.023231	3.193601	3.196658	3.583971	3.115321	3.158037	3.033138	3.265177	4.138601	2.573507	3.24278	3.348743
LPL	3.264776	3.5113115	3.4906255	3.677529	3.8120045	3.5083905	3.4613315	3.694593	4.9572925	4.7448735	4.0479265	4.9540175
SERINC5	8.315753	8.311449	8.175905	8.708705	9.16716	10.05368	8.932807	9.101757	8.254092	9.306774	8.977807	9.664621
SPOCK3	2.8285755	2.781428	2.7389175	2.653321	2.630078	2.6828875	2.6366665	2.6672905	2.65778	2.6610455	2.6248785	2.4988345
CLDN7	5.254573	5.451412	5.656476	5.477278	5.154808	5.9388	5.493227	5.237329	4.842753	5.09327	5.328644	5.166664
OAS2	4.673525	4.164298	4.771631	4.114353	6.129682	4.764668	6.572381	5.881154	6.831503	6.146777	7.778277	6.357549
MARK2	5.159655	5.586681	4.655829	5.1541395	5.642812	6.156103	5.510041	5.361861	5.616954	5.687645	5.323606	5.3284055
S100A6	8.957119	10.0198695	9.4462675	9.2263215	8.971688	9.935924	9.260292	8.967771	9.520302	8.0318305	9.7077535	8.179539
CENPJ	6.525495	6.894815	6.546168	5.603804	6.382193	4.986497	7.550266	6.272153	5.213419	6.116459	5.114388	6.162711
ATP1B2	5.479469	5.459759	5.444302	5.449418	5.244693	5.291793	5.364959	5.314815	5.15139	5.721485	4.953796	5.760685
LRRC49	6.939767	7.452822	7.134798	7.580811	6.213034	5.331095	6.101054	6.304338	8.449724	7.512929	6.773182	7.214789
DHX36	8.8303605	8.170417	8.4357175	8.36209	8.944152	9.6595415	9.4096095	8.8856295	8.885118	8.9394305	8.489337	9.0788425
NTRK3	4.787043	4.964343	4.555351	4.951153	4.977575	4.885023	4.744978	4.950414	5.385741	4.562722	5.093586	5.379888
USP7	6.199237	6.256977	6.372375	6.620737	5.476477	5.887005	5.685687	5.63181	6.705054	6.28891	6.291915	6.109351
BCL6B	5.497966	5.5359925	5.403401	5.518265	5.441935	5.456314	5.2112805	5.444707	5.301743	5.3278345	5.6123955	5.432084
CAPN2	8.802853	8.6563135	8.6087565	8.6778095	8.2392755	8.2983095	8.3097755	8.2786345	8.448821	8.4193995	8.743548	8.513606
TMEM186	7.011813	7.285088	6.963588	7.774663	7.806158	8.710807	8.181973	7.851199	7.944604	7.735542	8.330603	7.651996
GALE	6.164903	6.499117	6.220778	6.414172	6.506315	6.159322	6.341506	6.383801	6.282312	6.297824	6.766369	5.896862
DAP	9.599531	9.632804	9.714562	9.963137	9.184958	9.962535	8.921212	9.073961	9.458792	8.951418	9.490694	9.095129

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
CASC4	4.8224735	4.8066755	4.612085	4.945909	5.097091	5.1051415	4.8756825	4.932342	4.7022825	5.192493	4.7901945	5.7543785
HLA-DPB2	3.269119	2.541628	2.394027	2.602924	2.986092	2.770504	2.762558	2.823651	3.133451	2.623523	3.19581	2.922804
SEMA4F	7.113944	6.700052	7.076744	6.691815	5.414979	5.617217	5.53653	5.500845	6.56732	5.61065	5.376424	5.318154
CCDC121	2.731368	2.635967	2.315092	2.488331	2.676437	2.327608	3.147569	2.664779	2.911258	2.644682	2.568164	3.038497
SMOC2	4.024281	4.1933525	3.9134255	4.0521825	4.0866	3.890999	3.8493535	4.2642585	3.845248	3.962491	3.890015	3.777443
TGFBR2	9.293061	9.062882	9.1887485	9.134447	8.752097	7.8806305	7.0668005	8.8483905	7.4771425	6.2572855	7.010127	6.1535655
PTPN1	4.424127	4.5458315	4.190552	4.609565	4.4974495	4.581211	4.477688	4.5476795	4.358934	4.1848435	4.339258	4.1790305
GNE	8.67948	8.537532	8.20319	8.104162	8.46722	8.559219	8.760164	8.268032	8.476102	8.099054	8.350641	8.03545
CRYBB3	5.057951	5.332711	4.986723	5.054619	5.02248	4.747503	4.929302	4.854174	4.850229	4.916407	4.67045	4.839416
POLL	6.712146	7.431872	7.121513	6.997681	6.763264	6.723703	6.565299	6.647688	6.953866	6.821444	6.885484	7.11956
TMCC2	5.193255	5.4302225	4.927992	5.5543915	5.3059355	5.348263	5.517717	5.4796565	5.2812285	5.271811	5.411828	5.271671
PSMD1	10.04405	9.464442	9.7138615	9.9948295	10.18181	10.206585	10.522415	10.16674	10.0320655	9.638398	9.9002335	9.6440165
DST	5.0118335	4.9610925	5.0010505	4.918231	7.3771675	6.8949975	6.5576475	7.5270985	4.497168	8.065288	6.7236515	8.5945985
CLEC10A	4.51081	4.878381	4.281748	4.618911	4.227711	4.314337	3.912294	4.068606	4.201842	4.068372	4.516293	3.912294
PTGES2	7.247224	7.147456	7.31654	7.519798	7.824658	7.440884	7.933166	7.566468	7.395492	7.573015	7.399581	7.467782
GABBR2	6.710257	6.141948	6.524484	6.2111845	4.1249485	4.7681385	4.199712	4.420887	4.0792445	4.11716	4.1715325	3.792649
VEGFA	10.3613565	10.687835	10.58678	8.274973	7.2320685	7.9290945	7.4392035	7.2338685	8.889892	8.672561	8.315612	7.590471
FXYD5	10.82939	11.26486	10.79883	10.4110005	9.0648305	11.3091	9.4058685	9.131894	8.607043	9.759484	10.94386	9.596551
PSMB8	8.251537	8.780907	8.379133	8.176507	9.024617	8.571058	10.53095	8.820601	10.25148	9.435884	10.63953	9.25226
OR7C1	3.078044	3.111269	3.176174	3.265427	3.116135	3.202994	2.977026	3.193304	3.223243	3.185313	3.488071	3.137481
SIN3B	7.145275	6.509317	7.003322	6.983726	6.330107	7.048532	6.153054	6.22499	6.900865	7.037585	6.927965	7.446413
FBXO33	7.7486355	7.4493875	7.5551985	7.7304025	7.7124495	7.7109625	7.5626745	7.856207	7.4112635	7.474567	7.610788	7.355207
YIPF6	7.047962	7.080918	7.1350915	7.069134	7.1701105	8.490983	7.140038	7.146504	7.9196305	7.108232	7.5791135	7.045643
CPNE5	4.711593	5.150452	5.312342	4.784554	5.411014	4.513531	4.787897	5.190795	4.460955	4.711751	4.790813	4.974716
TPCN1	5.898673	6.678953	6.022364	6.444385	6.222389	6.265495	6.228177	6.396602	6.32508	6.194934	6.818977	6.416336
ZNF608	4.5379475	4.575052	4.737291	4.74968	5.7400385	4.6368245	5.27234	5.63247	5.3466905	6.5990865	5.02807	6.6108825
SLC39A3	5.692755	5.734339	5.330029	5.338363	5.459309	5.021073	5.423353	5.339996	5.308246	5.027995	5.154634	5.308414
CD80	3.391232	3.623104	3.690434	3.846858	3.381429	3.259851	3.257246	3.381429	3.634513	3.372054	3.442236	2.981592
MRPL38	6.20766	6.459264	6.078592	6.396602	6.510376	6.199819	6.853381	6.244051	6.393956	5.824652	6.383057	6.212177
DHODH	4.351904	4.425797	4.686339	4.035075	4.460488	4.937767	4.932879	4.356543	5.076135	4.933012	5.42156	5.651353

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
UVRAG	6.999313	6.678041	6.925603	7.234303	7.163265	7.937527	7.574523	7.271342	7.899825	7.699021	7.523091	7.889734
COL4A2	9.190628	9.777897	10.2668475	8.6494875	8.7559385	7.851336	4.128633	8.6912025	11.1518835	8.299577	9.7787425	7.9437925
NR1D2	8.579928	8.517398	8.2918815	7.8864395	8.5365665	8.266307	8.308304	8.623028	8.4580535	8.2976075	7.982887	8.4844295
EYA2	5.323318	5.224395	5.153528	5.459201	4.802145	5.059012	4.795239	4.972382	4.577933	4.712751	4.841892	4.36639
CBX8	5.127175	5.925562	5.164899	5.606278	4.600234	4.502911	4.519408	4.475186	4.22892	4.567345	4.385513	4.899383
PLA2G12B	4.379347	4.5860285	4.123811	4.6385995	4.355026	4.119147	4.1953575	4.323062	4.2342695	4.077643	4.288117	3.986523
CLDN9	5.418097	5.587484	5.24494	5.287696	5.343825	5.403498	5.270739	5.26838	5.107493	5.286997	5.499533	4.925156
IRS2	9.1127255	9.3422805	9.220699	8.293855	8.888649	6.0853635	8.352923	8.7629765	9.710785	9.795161	7.1663045	8.918612
EAF1	7.68926	6.990425	7.593151	7.983468	8.48945	9.590796	8.685202	8.503728	8.829672	8.634765	9.279151	8.802198
SLC6A1	2.457098	2.646342	2.710464	2.64708	2.698873	2.440607	2.752561	2.846358	3.234381	2.365079	2.591835	2.844528
NDUFA12	11.36061	11.14683	11.1597	11.09137	11.83953	11.85756	12.44916	11.86764	11.33614	12.47987	12.36351	12.62239
ALG8	9.126058	8.531897	8.508793	9.024035	9.610393	9.934557	10.26022	9.652327	9.211481	8.874222	9.215628	9.002932
MTMR1	7.8294015	8.0832415	7.672294	7.127354	7.049358	7.550818	7.483683	6.958859	6.9689095	6.4871565	6.242514	6.320547
IPO9	5.7339375	5.175907	5.382961	5.6853715	6.132667	6.442132	5.7706495	5.8193085	6.4741185	5.7827045	5.3947145	5.596321
TRIM5	5.4079825	5.254	5.2242605	6.20926	7.0716235	5.958871	6.779613	7.094439	6.2086705	6.385463	6.138916	6.6024145
TCEA1	6.249169	6.123091	6.082335	5.982865	6.124431	5.982865	5.995751	5.98489	5.811588	6.241605	6.379675	6.895825
PPOX	3.889721	4.269105	4.619841	3.905969	3.788441	3.915027	3.719842	3.783159	5.554977	3.983051	4.090465	4.067806
HSPA2	6.212696	5.836076	7.475411	6.96591	6.19421	5.627524	6.749554	5.92122	7.673142	6.879724	3.832147	6.604521
WIPI1	9.567879	9.168332	9.675431	9.6170035	8.4823795	7.243001	8.014254	8.5561145	10.03421	8.94695	9.861721	8.9127325
ARL16	7.417852	7.279956	7.303409	7.759437	7.831646	7.56566	7.437725	7.748302	7.684372	6.974857	7.638676	6.756521
CLTA	6.612308	7.42822	6.783604	6.762656	6.403454	6.188173	6.146353	6.113939	6.534642	6.702417	6.583053	6.489427
NPDC1	8.074586	8.50846	8.560996	8.395113	7.793975	8.322433	7.946312	7.865741	7.469899	8.948481	8.334631	8.847484
TRIP10	8.16154	9.32421	8.034347	8.415505	6.466518	7.042807	6.325801	6.520943	7.356274	6.578508	7.061989	6.562459
TRIM7	5.041852	5.552145	5.240747	5.542339	5.122668	5.112458	5.169816	5.296091	4.962736	5.043922	5.650913	4.806933
SHOC2	9.840671	9.46537	10.15556	9.952879	9.942136	9.956156	9.627029	10.00825	10.37979	9.322104	9.085031	9.004249
NPY6R	3.89429	3.908094	4.08495	4.174268	3.886114	3.841773	3.7021345	4.030028	3.89256	3.824608	3.874713	3.634675
LTBP3	7.107922	7.019863	7.421128	7.264557	6.344784	6.973767	6.132959	6.366319	6.941153	6.763653	6.51111	6.90995
ING4	7.9898545	7.8448555	7.717163	7.638531	8.108472	7.3355465	7.4704285	8.14052	8.250185	7.417799	7.706293	7.4848405
CFL1	8.3794725	9.1523825	8.5911545	8.6306435	7.788588	7.9580415	7.859228	7.7935965	7.3648865	6.960659	7.32451	6.4626615
GPR137	6.401222	6.908496	6.469714	6.593876	6.647406	6.291705	6.518074	6.602087	6.482538	5.933102	6.44501	5.764139

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
CSN1S1	2.993989	2.923314	2.97694	3.250912	3.036266	3.140996	2.993571	3.009685	2.964874	3.015065	2.912435	2.834748
CCDC14	3.208752	3.13687	2.977889	2.978297	2.87209	3.021597	3.066736	2.945696	3.144198	3.02165	3.077469	2.851978
UBQLN3	3.718572	4.009865	3.809917	4.044891	4.016423	3.73497	3.705743	4.066517	4.129245	3.869452	3.907392	3.761065
CCL21	5.523527	5.8384	5.487313	5.539859	5.30447	5.328015	5.43677	5.366723	4.876288	5.283656	5.295226	4.934724
UGT2B28	4.229772	4.355842	4.332549	4.768271	4.44067	4.696716	4.805196	4.580084	4.924987	4.418997	4.944352	3.930615
RUFY2	4.670897	4.854643	3.563792	3.873289	4.610135	4.426073	4.24961	4.661284	4.623044	4.559279	4.305878	4.451236
H1FOO	4.407996	4.859963	5.015036	4.466379	4.713264	4.248933	4.473174	4.586347	4.432697	4.148361	4.714515	4.35778
SENP3	6.4854405	6.50299	6.5137915	6.218549	6.6372545	6.8153735	6.924451	6.5548305	6.5150965	7.0166525	6.5903435	7.2063205
PAF1	7.0171	7.0946	6.990437	7.729881	7.686321	7.516608	7.720571	7.648362	7.500237	7.518222	7.732156	7.553535
THBD	9.857523	8.863051	8.255331	8.285552	6.851462	8.064486	3.852464	6.940262	5.562302	4.444178	6.381018	5.164404
PGM1	10.51319	10.32332	10.66329	10.60747	8.032006	8.568342	8.414661	8.081678	9.952258	8.579586	8.572172	7.973754
TMEM80	6.526673	5.969623	6.514562	6.380501	6.401301	5.398474	5.966139	6.056771	6.649604	6.577427	6.221158	6.523915
PPP1R16A	6.684683	6.848126	7.26914	6.821794	6.027207	6.625361	6.460663	5.812092	6.179339	6.352701	6.400211	5.772314
SAMD9L	5.930112	5.180314	5.648232	5.563239	6.678676	6.052284	6.263657	6.822303	8.556412	7.401558	7.885788	7.385074
SLC28A1	4.2157115	4.1972905	4.3301965	4.6588005	4.160786	4.1538595	4.3179415	4.198702	4.0724185	3.9956995	4.3434215	4.1620795
AGBL2	3.27202	3.01823	3.493923	3.436481	3.439248	3.176428	3.134513	3.303932	3.894372	3.328006	3.333161	3.126948
MYH3	3.016273	3.583162	3.229334	3.3253	2.870288	3.14794	3.2331	3.193773	3.662545	3.90549	3.694947	3.551738
HMOX2	7.336577	7.2336195	7.1756145	7.571992	8.1360155	8.6596085	8.3093015	8.18443	7.3792135	7.140479	7.9341785	7.231634
RANBP2	8.160694	7.8836825	8.283331	7.6825575	7.9831455	8.693235	8.283926	8.020511	7.752544	8.307789	7.383368	8.6915605
STK11IP	6.626215	6.412152	6.984822	6.602086	6.338731	6.022385	6.428523	6.255051	6.53368	6.190087	6.311323	6.322535
FANK1	6.358086	5.539769	6.187177	5.954491	5.184692	4.781437	3.76826	5.318089	4.870662	4.638974	5.722366	4.741993
TNFAIP8	7.348465	6.995706	7.586325	7.971606	4.046051	4.904459	3.3253	4.03704	8.754332	4.882952	5.402051	3.666446
SHOX	4.022645	4.308075	4.251774	4.323645	4.537817	4.47117	4.353807	4.420062	4.44528	4.295026	4.682956	3.993435
HDAC1	10.16628	9.942961	10.11257	9.894327	10.36181	10.27251	10.2716	10.31105	9.441275	10.28784	10.43022	10.30221
TRPC1	7.2946105	7.6939005	7.054447	6.615902	7.109263	6.013163	6.955412	6.843479	7.080006	7.152902	5.860143	6.7301675
FBXO9	5.531812	5.26086	5.703749	4.550987	6.181818	5.505875	5.745018	6.062466	6.135062	6.491066	5.713923	6.986303
RXRG	3.602297	4.001557	3.876591	4.068139	3.892467	3.92282	3.850415	4.11502	3.789503	3.833951	3.778416	3.872595
CXCR4	4.615913	4.39546	4.793124	4.681231	4.592452	4.384876	4.794877	4.902856	4.918947	5.768905	4.967697	6.324562
GPM6A	3.246851	2.859216	3.140256	3.126157	4.884281	3.479227	4.017204	4.29327	3.244558	2.94515	2.927079	3.343787
PRTFDC1	9.222492	8.978359	8.969724	9.499681	8.162138	6.361768	9.120504	7.788313	9.144268	8.630835	7.251606	8.993868

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
CCS	7.938482	7.970093	7.857464	7.894777	8.030979	7.484062	7.739675	7.958888	8.345625	8.452551	7.822304	8.475322
ZNF671	5.862206	5.843063	5.63576	6.096626	5.787315	5.390302	5.927275	5.814901	5.768186	5.843396	5.61179	5.696839
IGFBP1	2.707438	2.6362335	2.698151	2.761385	2.8056945	2.6629205	2.5143795	2.6329585	3.8026775	2.5845485	2.5704145	2.6223465
ABI3	5.571608	6.263988	6.013961	5.970939	6.130312	6.427659	6.281504	6.266797	5.582506	5.37543	6.748416	6.900869
SLC7A3	4.342777	4.676838	4.487116	4.749059	5.239411	4.415422	6.309502	5.280797	4.753847	4.878092	4.324525	5.977761
CRYBA1	3.757346	3.555866	3.321181	3.60481	3.258734	3.366517	3.265178	3.482491	3.044455	3.241563	3.06553	3.290775
RASAL1	5.34827	5.505973	5.3424675	5.276946	5.4188345	5.40104	5.1701195	5.4340595	5.255643	5.2755065	5.411318	5.0428795
GJC1	7.082114	6.161731	5.962445	6.222567	4.942909	4.468357	5.344043	4.365747	6.208766	5.253348	5.805901	5.002646
STAT4	6.06429	5.732931	6.49085	6.023172	5.876495	6.285061	6.952257	6.59341	7.61612	6.932704	6.182897	6.904523
ZNF682	3.973723	3.7861525	4.167229	4.099935	4.3074025	3.1163635	3.2207305	4.4316335	5.0325315	6.5225085	3.8697135	3.6322105
DGCR2	6.9032215	7.0109435	7.119256	7.2654435	7.147333	8.152192	7.433597	7.195756	7.405489	7.231386	7.51671	6.983318
BNIP3	11.65451	11.93149	12.06805	12.115405	9.083305	9.347084	9.664917	9.067022	10.3915135	10.070285	9.213504	9.1197275
KLHDC2	10.31525	10.19518	10.21454	9.748027	9.706878	9.202705	9.341685	9.780289	10.04103	9.034307	9.235053	9.118506
ZNF677	5.538287	5.74487	5.65738	5.509339	4.532661	3.528077	3.646995	4.616854	5.625114	5.8951695	3.7093285	5.64164
NEK2	7.1782015	7.2036625	6.5214035	7.217747	8.6530285	4.086961	8.743309	8.3278005	4.326195	6.7340445	5.4598915	5.655439
KIAA0408	2.474556	2.678739	2.671497	2.670969	2.503922	2.44536	2.552365	2.432589	2.780862	2.861598	2.235557	2.590007
RBPJ	10.56191	10.73386	10.28154	10.5308	10.29361	10.07326	9.77894	10.3236	9.996483	9.594113	10.77364	9.360598
EN1	7.662404	8.607567	7.317407	7.290651	7.381793	6.887096	6.393152	6.970718	3.194072	6.569086	6.015339	6.270977
PDAP1	6.850073	6.805207	6.4741695	7.1102335	6.904436	7.4224535	6.7422835	6.72615	6.9837275	6.489294	7.191207	6.2087315
PRDM11	4.0949675	4.093127	4.2320555	3.938164	3.999564	4.0951725	3.9833995	3.9119925	4.2626475	4.0336495	4.311262	4.368405
GCHFR	4.676661	4.944234	4.629112	5.094793	6.33914	4.899594	7.594193	5.677877	5.14147	5.658516	4.818151	4.838433
SUMO1	10.39899	10.24741	10.35753	10.59059	10.70179	10.37667	10.46551	10.71246	10.69108	9.754288	10.16302	9.5093
GATAD2A	6.2354965	6.750727	6.60756	6.6831935	6.924017	7.7282515	7.3862095	6.931127	6.851301	6.6789095	7.125875	7.034678
PTGFRN	8.2564405	8.6198645	9.2580285	8.0968115	10.2999045	9.916574	10.51113	10.1204515	7.750091	11.062195	9.49677	11.06184
SLITRK2	4.142249	4.230154	3.641932	3.628346	3.983867	3.8210785	4.8916095	3.9345685	3.947034	5.9030085	3.9635005	4.6558255
IGHMBP2	6.192815	5.915994	5.718118	5.890379	6.090481	6.367775	6.382014	6.303596	5.739453	5.991748	6.159527	5.8913
SORBS2	3.512389	3.74952	3.576977	3.379002	3.53888	3.95571	3.283119	3.879935	4.073027	3.891565	5.199548	3.637665
LUZP2	4.112339	4.219281	4.515987	4.553745	5.666876	3.898238	4.407022	5.422857	4.525489	6.496587	4.582762	5.717664
L1CAM	4.8821855	5.155576	4.8090585	4.7434975	4.5779195	6.9363925	4.636252	4.6770335	7.1691095	4.7253025	5.6656805	4.39274
BMP3	4.396409	4.65748	4.40919	4.131319	6.918167	5.334251	4.41698	6.970555	3.868196	4.452786	4.28592	3.972607

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
PPP2R1A	9.712722	10.07889	9.377	9.706887	9.69101	10.00314	9.544573	9.5096	9.035213	9.327927	9.303701	9.154637
KLF6	10.04148	10.37321	8.73595	9.899734	8.009039	8.139081	7.602432	8.018188	9.971766	8.296369	9.60762	8.209008
FAM111B	4.0928925	4.624195	4.466795	4.3511835	5.1354475	4.0320485	6.3183255	4.91714	4.1285755	4.8774025	4.025285	4.373525
MDH1B	4.480647	4.3829065	4.470287	4.7823625	4.870247	4.538756	4.4040585	5.1846905	4.986214	4.6420075	5.2614655	4.912871
TMEM115	7.697535	7.754554	7.848886	7.630048	7.484081	8.337936	7.470342	7.541511	7.346255	6.608308	8.000698	6.992775
FGG	3.251835	3.207894	3.405526	3.00702	3.49499	4.094378	3.301389	3.449411	3.169353	3.477649	3.627527	3.108423
COMMD6	8.6885445	8.786498	8.6523555	8.743195	8.923834	8.6907095	8.62171	8.8769345	8.6868935	8.67977	8.763453	8.645817
CREB3L4	5.827997	6.069965	5.640204	5.813794	6.352096	4.553475	6.540077	6.171304	6.341733	6.853348	6.492133	6.682836
TDRD9	3.014144	3.801506	3.48061	3.267023	3.229449	3.835449	3.077708	3.061882	6.751424	3.246656	4.687212	3.155261
ZNF273	5.258245	4.935225	5.132009	5.0807505	5.3541915	4.2813285	5.470799	5.0480925	4.781441	5.038287	3.7115175	5.077712
PCDHGA10	5.562587	5.754145	4.918981	5.636455	5.550892	5.32272	5.334493	5.506034	4.828568	5.17181	5.114388	5.467916
WRNIP1	4.963261	5.032546	4.828098	5.2017475	5.3214655	5.2520275	5.1084695	5.4563265	5.104723	5.599914	5.404999	5.115899
NLRP3	3.318568	3.583694	3.469035	3.37823	3.53282	3.541852	3.337188	3.463789	3.802024	3.168785	3.679313	3.534886
GP2	4.575961	4.854318	4.715373	4.7435375	4.594969	4.441282	4.5029905	4.5535645	4.4503975	4.389941	4.230051	4.2501605
ABCG5	3.882247	4.181849	4.186931	4.345253	4.123707	3.621884	3.655032	4.18477	3.718425	3.671085	3.918535	3.766198
DNM1L	9.36852	8.623812	8.865652	8.82045	8.549551	8.469816	9.068237	8.541375	8.01144	8.347689	8.023156	7.729717
SYPL1	10.1407405	9.9270045	10.063646	10.01712	10.0318585	9.488496	10.278185	10.0307135	10.24431	9.2014155	9.99022	8.5561745
LBX1	4.843412	4.914708	4.489783	4.672159	5.092121	6.024686	5.211502	4.968872	4.437472	5.132497	5.37755	5.337366
REPS2	4.145412	4.16208	4.221116	3.429457	6.189971	4.630715	5.723529	5.968645	4.634066	7.166187	4.826325	6.5937
SLC30A5	7.561617	7.606006	8.035866	7.864369	8.14699	8.176248	8.474476	8.075924	7.718619	7.084807	7.784567	7.322103
MPZ	4.660172	4.857566	5.076161	4.934202	5.578544	4.857566	5.270739	5.310634	5.374862	5.33968	5.847982	5.150267
EMX1	4.914884	5.2699745	5.069762	4.920617	4.872827	4.822547	4.9697345	4.970593	4.719817	4.730855	4.9598065	4.646516
RBBP9	4.8746455	5.6113175	4.9014675	4.449143	5.821377	5.211535	6.0185755	5.4709255	5.815832	4.0371855	5.463053	3.8641745
MET	7.7590835	7.9525725	7.6905525	7.7483195	7.593482	8.454635	8.0553895	7.4883645	7.749063	7.638972	7.895717	7.2284675
ZNF326	5.0871905	4.630569	4.690705	4.4922615	5.5337295	6.755761	6.612566	5.529032	5.9233575	5.70563	5.455514	6.189724
ANKH	5.029745	5.727839	5.647627	5.784454	5.409935	5.016684	4.096932	5.331892	5.207564	4.059919	5.06552	3.64679
MGAT4C	2.8525505	2.6366915	2.9596485	2.8639115	2.877889	2.833737	5.182748	3.073663	2.9147735	5.4712315	2.8835975	5.2985935
PRKAG2	6.723794	6.565619	6.973182	7.442325	5.616201	7.573575	4.368435	5.725692	7.533329	5.16333	6.362773	4.901073
IVNS1ABP	7.8879335	7.3781615	8.097177	8.041811	11.49596	8.503068	9.449183	11.614045	8.1385585	9.2004915	9.3574395	9.0084465
RHEB	5.987006	5.832918	5.419815	5.740039	6.520999	5.962732	6.27852	6.394013	5.802397	5.632762	6.670269	5.608603

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
ABHD11	6.583264	6.822735	6.603554	6.823416	6.681218	6.207709	6.629121	6.745356	6.387733	6.074847	6.393979	6.032966
CCDC50	7.45879	7.111006	7.385358	7.400736	7.06647	6.650016	7.208271	6.949561	7.499863	8.019739	6.191908	7.214181
LAX1	4.223924	3.975939	4.285455	4.106489	4.026798	4.214791	3.84619	4.18182	4.137973	4.043	4.091	4.17605
RAD21	10.062198	10.256521	9.9418185	9.786121	10.66128	9.381044	10.2973935	10.52744	9.413658	9.434815	9.468358	9.581638
F13A1	3.910763	3.951357	3.83309	3.726398	3.929421	3.813186	3.27439	3.936829	3.831548	4.674069	7.111998	4.088354
GNAO1	4.5573215	4.858759	4.314458	4.697711	4.370169	4.184674	4.528848	4.3645705	4.0646705	5.0678805	4.560124	5.473594
BTAF1	8.269161	8.007812	8.761554	8.107653	8.069225	8.318069	8.271072	8.144389	8.3851	8.666955	8.188887	8.854385
DLST	9.581163	9.324741	9.32885	9.210329	9.661119	10.1283	9.852268	9.526979	9.666971	7.677948	7.960937	8.74216
DNMBP	5.733159	5.6562885	5.791301	5.9294955	5.166753	5.130522	5.271505	5.0224825	5.3038255	5.201901	5.0191735	5.4057605
BRI3BP	6.8050925	6.9554185	7.2054515	7.230496	8.0172055	7.858608	9.19522	7.6119465	6.2046425	8.520693	7.616995	8.2639035
HP1BP3	9.760098	9.848251	9.7679395	9.2321065	9.043463	7.771146	8.6058625	8.9864885	8.371241	9.046279	8.212777	8.7449545
ADCY8	5.01742	4.886285	3.633683	4.825586	3.614649	3.639595	4.013521	3.948448	4.726279	3.422957	3.826723	3.257856
MRPL4	7.881635	8.162243	8.171176	8.039832	8.491457	9.554484	9.390079	8.23852	7.81628	7.752826	8.74691	7.52737
LATS1	3.622436	4.1353765	3.7220515	3.5609415	3.7890975	3.998799	3.678338	3.848879	4.314932	3.725533	3.9663015	3.6061095
IL22RA1	5.325376	5.152808	5.087481	5.175313	4.849329	4.783297	4.820174	4.804298	4.931344	5.006204	5.36016	4.77324
BVES	5.896732	5.764996	6.006639	6.0702315	5.6590085	5.1461205	6.373197	5.9612915	5.4422745	6.012445	4.74002	5.728885
CEACAM3	5.736079	6.42178	5.97159	6.086213	6.083961	5.828632	5.999479	6.059451	5.969267	5.771477	5.99857	5.68372
RPUSD2	6.544318	6.502038	6.659438	6.710091	6.579691	7.117208	7.113708	6.633795	6.936474	6.822555	7.388326	6.714293
TNIK	4.717727	5.4270985	3.821083	5.5474775	3.9893175	3.8969755	3.9810835	3.8575475	5.200058	5.109375	3.8066455	4.480915
DISC1	3.840036	3.912887	3.542394	4.044887	3.770656	3.608553	3.962972	4.140378	3.744339	3.645458	3.579588	3.398996
CD1C	4.993381	5.186166	4.951549	5.170423	4.998878	4.930677	4.985596	5.154927	5.123551	5.004986	5.470571	4.360699
NEBL	3.4170705	3.499655	3.7366405	3.636075	4.061281	3.6275195	3.4420585	3.9778315	3.6749775	4.116307	3.251831	3.8484185
PPP1R14B	10.20491	10.27296	9.959968	10.46885	11.28523	10.87993	11.29867	11.14181	9.885724	10.81569	11.2137	10.62253
MMP25	5.2865525	5.2591165	5.173556	5.081954	5.1176875	5.10106	5.491261	5.245982	5.0594355	5.1166275	5.3164455	5.103773
DOC2A	5.314857	5.407009	4.91878	5.535505	5.172921	4.976153	5.193945	5.129933	5.429122	5.372175	5.139462	5.080285
CPXCR1	2.4646015	2.659241	2.7509795	2.7682715	2.994646	2.826682	2.8990665	2.936098	2.860703	2.872083	2.903265	2.8621845
REXO2	7.049413	6.671013	6.436403	6.422436	6.450747	6.635643	6.6025095	6.434117	6.7472095	5.182729	6.768402	4.601151
OLFML2B	8.045141	8.422416	8.1578	7.599342	6.43458	5.141192	5.213556	6.281078	5.597644	6.232209	5.562783	5.798742
CYP17A1	3.6012445	3.6375475	3.7100155	3.7213845	3.5296775	3.4946245	3.577385	3.628212	3.747766	3.8462405	3.5844735	3.377724
CYP2S1	5.229535	5.163773	4.707718	5.085825	5.021599	6.268216	5.94277	5.123472	4.820285	4.743708	5.206681	4.334993

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
DUSP8	5.997777	6.421949	6.213307	6.0830615	5.9763565	6.658604	6.1573105	6.220776	6.2355615	6.48807	6.30768	6.4522365
LHPP	6.274861	6.73116	6.656255	5.927375	5.504943	5.039044	5.14018	5.683371	5.605415	5.726348	5.333405	5.552697
ARID4A	6.9784975	6.697009	6.807297	6.790982	6.65971	6.0008235	6.062234	6.697853	6.7200885	6.171317	4.9808305	5.5773985
SPRED2	5.513296	6.355203	5.96699	4.738904	5.058776	5.06552	4.910667	4.777956	4.561502	4.764668	4.36612	4.286572
ALKBH5	9.207479	9.971542	9.523729	9.802343	8.886303	9.328337	8.946833	8.743992	8.578424	8.499493	8.542536	8.205311
GABRA4	3.8399835	3.7034055	3.9267175	4.106078	4.0960125	3.864903	3.805189	3.8428085	3.9110785	3.9010695	3.9032525	3.949139
GCLC	6.683687	6.59867	6.958245	7.292535	7.926602	8.699104	7.907069	7.741735	8.952515	8.065875	8.623199	8.11507
SLC4A5	4.526544	4.662972	4.7302415	4.4505685	4.506048	4.4646975	4.4642345	4.528953	4.4413405	4.441215	4.73141	4.4790425
PUS1	7.360994	7.397295	7.618483	7.275531	7.476867	8.321549	7.963667	7.408625	7.279807	7.680297	8.214046	8.183221
ZSCAN1	4.523828	4.048453	4.158309	4.395841	4.677248	4.348131	4.209559	4.294264	4.451488	3.938755	4.470174	3.387795
NUP153	5.05409	5.305576	5.195989	5.494047	5.262824	6.565011	5.808428	5.418097	6.106865	5.361218	6.409388	5.523203
FLAD1	7.1913885	6.8908585	7.1365635	7.021385	7.9991555	8.1667275	8.4519675	7.80726	8.301378	7.704733	9.027742	7.5891905
SEMA6B	5.386121	5.956324	5.792726	5.43212	5.601981	5.587188	5.594999	5.633741	5.379361	5.549005	5.721418	5.484367
ZFP91	8.6931625	8.455702	8.208719	8.031381	8.569069	8.7530735	8.8048025	8.568783	8.5387605	8.2078085	8.78777	8.306913
ADRB3	4.7096245	4.873843	4.743719	4.7322375	4.68492	4.680068	4.6536065	4.6039235	4.689999	4.516431	4.76634	4.435095
SUPT4H1	8.950575	8.9564485	8.775785	8.854691	9.0213365	9.029423	8.676403	9.04381	9.2980375	8.183684	9.0676005	7.874214
FUT8	8.5209695	8.9839835	8.1935695	8.511413	7.932439	7.5842695	8.471926	7.907786	8.5150325	8.418469	7.374902	8.1825215
KY	5.3592445	5.4141905	4.8329995	5.5656795	4.765859	4.5504025	4.719488	4.9961835	4.8114875	4.6698055	4.713608	4.5818695
ATP6V0D1	7.4536935	7.33	7.335018	7.5435985	7.8527935	7.9695715	7.604878	7.8286935	7.8848375	7.2583295	7.7512305	7.096042
SCRN1	9.559318	9.600228	9.90564	9.888476	4.866781	5.558509	7.149318	5.302519	10.46231	6.968664	6.230413	5.214731
EDAR	5.354178	5.151881	5.734229	5.412954	5.688876	5.447966	5.694409	5.772405	5.337917	5.423709	5.807355	5.41153
IL33	5.181321	5.481109	4.601305	6.078673	10.71021	5.367981	4.638165	11.03938	3.242898	3.571559	5.218931	4.508583
COPS3	9.373075	8.951405	9.261438	9.692629	9.557956	9.173584	9.892993	9.453023	9.391238	8.805843	9.041909	8.792586
NT5DC3	5.268793	5.1860115	5.1603905	4.9696555	4.9212885	5.055935	4.9378845	4.997657	5.190136	4.8794965	5.128875	5.043342
WFDC9	4.1313885	3.9876435	4.062844	3.976639	4.3232165	3.9269635	3.993726	3.9916635	3.9157235	3.768885	4.336046	3.8837285
OAZ1	12.98916	12.932145	12.87981	13.14977	12.96598	13.021415	12.96165	12.96746	13.170585	12.471845	12.76522	12.373885
AKR1C3	9.171091	8.278014	8.497471	9.145975	10.86693	10.39721	10.03127	10.77056	7.649367	10.05592	10.18448	9.815125
ERCC3	7.899656	7.643911	8.068329	7.643275	8.163682	8.436863	8.746428	8.067582	8.051332	8.121703	8.202104	8.294258
IFI16	10.43019	10.45525	10.1884	10.35019	10.72783	9.659966	10.25153	10.68987	11.28591	10.76057	10.48884	10.65244
LONP2	8.904017	8.618757	9.059958	8.52543	7.821289	8.616296	7.764203	8.004215	7.107351	7.688995	8.342525	8.229061

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
POR	7.177307	7.215363	7.41192	7.223498	7.220953	7.482425	7.099801	7.002413	7.486236	6.968665	7.031584	6.8324
CHIC1	4.542809	4.779175	4.628928	4.614924	4.990288	5.458497	5.283713	5.499964	4.883632	4.50751	4.460182	4.153888
ATP6V0D2	3.308127	3.597761	3.469011	3.549393	3.679526	3.664941	3.726058	3.768446	4.708401	3.600924	3.70301	3.698152
CSNK2A2	8.256067	8.531327	8.7484955	8.4498295	8.3031175	8.7490505	8.6716285	8.229023	8.2912735	8.706878	8.5779305	8.910397
RBP4	4.872792	4.655825	5.5919675	4.5039505	4.8148515	5.672501	4.3331405	4.8728015	5.020845	4.3680895	5.4816105	4.4814155
ATP10D	8.170206	7.983347	8.662688	8.219975	8.039804	8.578372	8.13361	7.952979	9.904526	8.133801	8.537541	7.948873
NRM	8.385394	8.486693	8.097706	8.34141	7.807318	6.446548	8.413368	7.536983	8.488683	8.414808	7.776725	8.009723
RTN2	6.886771	7.359032	7.1373585	7.1051505	6.999998	5.8898835	7.012328	6.69237	5.812626	6.214496	6.021912	6.313482
SMARCA5	8.852344	8.426292	8.656896	8.97129	9.405969	9.18994	9.659845	9.455322	9.018896	8.879661	8.62865	8.956152
KCNT1	4.324617	4.566379	4.451305	4.32674	4.422709	4.338615	4.37236	4.368003	4.555246	3.823127	4.398343	4.048656
PARD6G	3.916456	4.323819	3.952141	4.431927	4.196939	4.062394	4.110066	4.292491	4.013826	4.196939	4.685368	3.553552
KIAA2026	5.6877355	5.666849	5.5589405	5.361713	5.302409	5.8783105	5.449331	5.3197985	5.0499505	5.771472	5.002255	6.08509
BPNT1	6.120986	5.822306	6.18831	6.501819	7.729603	7.208527	7.390874	7.60095	7.398515	6.425562	6.992705	6.916622
COX7C	11.47368	11.49719	11.34963	11.46305	12.18218	12.14503	12.16053	12.14069	11.7628	12.09956	11.72017	12.14711
ZNF366	2.595069	2.740342	2.777963	2.616217	2.53708	2.601394	2.64136	2.574408	2.513863	2.410002	2.567741	2.518119
CACNA2D4	4.1263685	4.25729	4.1954025	4.333147	4.051026	3.6044195	3.8674205	4.3279205	3.958993	3.6991665	3.8228605	3.6422885
PIK3R1	7.406852	7.060858	6.9571	7.496021	6.87666	6.271657	7.039948	6.880989	6.65178	6.766148	6.323488	7.34098
ST13	9.9484175	10.027308	9.9131825	10.1780685	10.219875	10.283697	9.7075685	10.1096675	10.539842	10.025193	9.784262	10.1262625
TJP2	4.7265445	4.3864085	4.6810765	4.7222025	4.918299	4.729906	5.18704	4.893553	4.423955	5.865204	4.968376	6.16506
UCHL5	6.331497	5.936582	5.6404925	6.3179765	7.119946	7.5365145	7.547583	7.036657	6.126714	6.1881255	6.012725	6.506963
WASF1	8.388542	8.193934	8.14077	8.497383	9.401052	9.81422	9.712654	9.392527	9.311686	9.385571	9.005097	9.609154
XKRX	4.102704	4.085262	4.067991	4.241733	3.918	3.822604	3.822023	3.885068	3.969085	3.784415	4.207589	3.695052
USH1C	4.666756	4.92875	4.779157	5.111375	4.705094	4.896267	4.638165	4.824568	4.870795	4.980528	4.655221	4.642886
NR6A1	5.044648	5.332479	4.810719	5.177094	5.058884	4.985723	4.87922	5.133718	5.351389	4.972346	5.120277	4.942784
SLAMF9	4.747085	4.857347	4.7753085	5.011881	4.6348845	4.563168	4.4211475	4.528631	4.488617	4.2007275	4.6008605	4.405148
ZNF239	6.615154	6.144608	7.155213	6.637125	6.858872	5.491082	6.755468	6.941652	7.330897	6.83347	6.386539	6.640825
RAD52	4.963319	4.490194	4.6215055	5.0722	5.061391	5.346101	5.567919	5.0619015	4.8598895	5.191704	4.75131	4.74695
DNAH10	4.491613	4.863108	4.97106	5.213988	5.214173	4.869126	5.488135	5.243186	4.721774	5.137699	4.756094	5.168893
PSMD2	11.01556	10.68865	10.55383	11.24362	10.65186	10.63426	10.41855	10.69549	10.11882	9.955045	10.71576	9.829
PTGES3	11.87035	11.94891	12.00856	12.20589	12.35239	12.41444	12.57334	12.24984	12.2372	12.0375	12.34703	11.84563

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
ZNF613	2.72569	2.712807	3.133846	3.299014	3.196617	3.084337	3.580324	2.985226	3.892639	2.968987	3.084687	3.065002
GABPA	7.156005	7.279369	7.5798305	7.2001265	8.691115	8.593047	8.040256	8.369554	7.2530435	7.2428045	7.070451	7.2747085
HDGF	10.3112885	10.2204975	10.163198	10.162598	10.6806085	10.385451	10.5848145	10.5814655	9.651347	10.0025925	10.6138255	10.0466365
SEH1L	8.2925355	8.540431	8.621192	8.831254	8.8603925	9.360539	9.5809765	8.865062	8.6031445	8.433002	8.574319	8.506355
TRIM24	6.529686	5.973322	6.415873	6.614687	7.509403	7.542067	7.317411	7.638771	7.408555	7.224936	6.864184	7.032261
ZNF626	5.293184	5.412473	5.71287	5.801178	5.794257	5.015636	5.399473	5.874434	5.328429	6.745952	5.95197	5.475059
DHX37	6.57621	6.5737355	6.67403	6.7940235	6.931691	8.0086465	7.769102	6.7701885	7.001471	7.0163655	7.1274175	6.956455
ERP29	10.38494	10.18072	10.18583	10.46656	10.54488	10.43685	10.71754	10.32629	11.33193	10.683	11.15017	10.75861
PPIL3	9.481108	9.616701	8.875259	9.248718	9.474897	8.476178	8.873682	9.366845	9.509145	9.203608	8.630924	9.236576
MLF1	6.399481	6.952671	6.867634	6.593186	7.0787275	6.0902305	7.5208725	6.913912	7.4627955	7.42972	6.9100785	7.5601145
CBFA2T2	5.615648	5.9332465	5.5814625	5.2427075	5.463199	5.100726	5.4356595	5.400719	5.27248	5.451837	5.47142	5.255573
NAT1	7.425416	7.055421	7.544195	7.743131	8.071764	7.990669	7.668873	8.072239	7.360231	7.371813	8.029811	6.959111
UBE2Z	9.708176	9.68547	9.431289	9.629889	9.562712	9.329441	9.166626	9.508072	10.31156	9.129632	9.77503	9.081242
GPR83	3.35344	3.414512	3.600848	3.564174	4.286367	7.897763	6.149636	4.294264	3.341206	3.290452	7.118023	3.137481
SV2A	7.002615	6.903929	6.543505	6.540492	5.803378	4.862605	7.075126	5.244452	7.616272	7.82306	4.756094	6.521371
KLF11	5.8574925	6.1812315	6.0974775	4.995615	5.252778	5.577105	5.7752285	5.2152515	6.2022455	4.8418595	5.9188755	4.730889
RPS9	11.32617	11.42373	11.47692	11.48733	11.67066	11.3493	11.85153	11.6251	11.18274	11.8399	11.62101	11.93306
CHRNB2	6.1283615	6.6758635	6.4195425	6.523199	6.1681395	6.2342025	5.923404	6.066467	6.09294	6.1627265	6.283831	6.1444165
SS18	8.521603	8.3575735	8.1077705	8.0127785	8.8266665	8.506338	8.782602	8.9934145	8.555575	7.7478765	8.707296	7.737212
LEF1	4.0703025	3.971366	4.0159815	3.904105	4.2388575	4.12946	5.148435	4.387648	4.0091775	4.298601	4.2367465	4.145444
CLDND1	5.9290345	5.568875	5.8850495	5.37687	5.9803025	5.5502	5.7274975	6.0873875	6.3056915	5.932653	5.8238105	5.6340355
PTER	7.5665675	7.197017	7.590057	7.1041935	6.4106975	4.7313075	6.7332365	6.405033	7.703265	6.218427	5.33126	5.421243
INTS1	6.3431855	6.842932	6.405226	6.6589365	6.4996305	6.3361865	6.255291	6.375595	6.0491655	6.1621765	6.167795	5.9017695
ZDHHC12	7.154484	7.065234	6.645257	7.080918	7.066088	6.186396	6.69837	6.92213	7.035025	6.197665	6.74014	6.167815
TMEM25	4.785771	5.0792845	5.3498595	4.6616015	4.6779965	4.2745285	5.0858525	4.640641	5.6719495	5.296311	4.2837105	4.5544155
ASAH1	8.269515	7.573181	8.089078	8.229395	9.979424	9.458217	9.159873	9.932215	10.70932	8.807164	9.263482	8.173854
HPS6	6.7316785	6.927698	6.8009845	6.590145	6.545373	6.5457425	6.744494	6.3102695	6.4966235	6.423055	6.7351175	6.449345
PDILT	3.490264	3.662204	3.022417	3.595465	3.842396	3.862693	3.38584	3.782098	3.515864	3.445682	3.608544	3.320913
USP47	8.229721	7.979911	8.059951	8.110133	7.782625	8.107008	7.873027	7.745968	8.475327	8.032	6.563926	8.140621
CDK10	6.953198	7.074542	7.306324	7.074891	7.561303	7.180924	7.478835	7.423173	7.211076	7.385195	6.673469	6.848342

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
KCNC2	4.097328	4.0275055	4.0440295	3.994421	3.8243205	3.9316255	3.977581	3.885847	3.941251	3.698482	3.9472645	4.171765
GDPD3	6.092753	6.048698	5.811871	6.340919	5.689295	5.642495	5.088501	5.863724	5.86808	5.821742	5.975677	5.549686
ALS2	5.432881	5.233473	5.306079	6.105891	4.184036	4.9369	5.518111	4.534278	6.286761	5.265107	5.921554	5.17518
ZNF320	6.656123	6.1454815	6.530489	6.761257	7.297541	6.308084	4.8602945	7.3316715	7.072612	7.8559235	7.55421	6.051118
ANAPC2	7.260448	7.744372	7.147087	7.34721	6.530515	6.928172	6.244753	6.188174	6.59165	6.531379	6.714411	6.265325
GTF3C2	8.95211	8.742392	8.767159	8.683201	9.191346	9.238645	9.415284	9.095669	9.125095	8.958525	9.293694	8.837027
AMPD2	8.952376	8.861233	8.957643	8.642504	8.458214	9.27154	8.302645	8.454522	7.649533	7.592419	7.702719	8.021956
MPND	6.927142	6.90912	6.783031	6.509652	6.553325	5.864184	6.829636	6.551321	6.383976	6.605799	5.784095	6.58652
ZNF483	3.445944	3.471431	3.655731	3.348666	3.342524	3.231808	3.600779	3.533983	3.242561	3.445944	3.461038	3.480399
AMMECR1	7.2175715	6.7790665	6.0771475	6.5430475	6.711737	8.0817435	7.22147	6.6813425	6.597836	5.8330295	6.27969	5.862645
CMTM1	4.776873	5.1257165	4.551017	4.562036	4.7147055	4.3764	4.5783945	4.6435225	4.7128975	4.3240685	4.5603625	4.3174265
TXNRD2	5.8312775	6.01402	5.7721145	6.0651765	6.3125185	6.606111	6.3451085	6.277529	6.17922	5.891701	6.367899	5.967826
EBAG9	7.6016445	7.6552035	7.6693745	7.793802	8.086351	8.6752725	8.490013	7.977717	8.6907085	8.09227	8.540279	8.214453
KIF20A	9.367277	9.581985	8.935164	9.294756	10.00114	4.20912	9.758568	9.56933	4.333778	8.990884	6.998322	8.660064
CCNC	6.694533	6.5642885	6.6288225	6.6396475	6.953194	6.9633875	7.0810685	6.871533	6.6620735	7.2338115	6.5294375	7.0700345
DUSP18	6.7318145	6.4941115	6.4828295	6.5480205	5.685777	5.207521	5.1745005	5.8039475	5.755259	5.053369	5.6278805	5.174189
TMEM37	5.277021	5.6269035	5.4170845	5.226588	6.2142595	5.768986	5.474978	6.090463	5.9236465	5.0617385	5.227223	5.168601
SUSD1	6.06429	5.825217	6.156082	6.701788	6.868677	6.169921	5.754258	7.160079	6.698935	4.737405	5.339575	4.826034
ARMCX3	9.291164	9.193121	9.201363	10.00844	9.454579	9.254856	8.89926	9.581043	9.967707	9.084149	8.671835	8.651607
ABLIM1	4.8550695	5.1435215	5.314948	5.7901935	7.4303175	8.412713	7.8393745	7.3226635	6.589333	7.9795565	7.8023265	7.9468595
IL21R	4.540591	3.784749	3.841686	3.51228	4.138884	4.265214	3.763857	4.474294	4.789555	3.651541	3.72192	3.321262
NRP1	7.0677075	6.57301	6.6842995	6.5290805	5.5473555	5.499981	5.728677	5.5544965	5.252012	6.4796365	5.481236	5.9677205
INSM1	2.496332	2.227118	2.710593	2.449041	2.506337	2.688033	2.589612	2.402287	2.489498	2.694139	2.491897	2.315092
HEATR5B	5.336138	4.829221	5.336266	5.273421	5.4355535	5.27019	5.294505	5.426461	5.3366015	5.8899625	5.4452595	6.1966145
CNIH4	7.347267	7.144088	7.4385255	7.211512	6.7399065	6.274028	6.695824	6.4831445	8.195036	6.653118	6.766483	6.5966055
SLC1A1	9.460505	9.479419	9.0855125	8.5806855	4.1575055	5.132158	4.075827	4.021574	7.4367485	3.764176	3.882092	4.008966
ELP4	7.429461	7.514281	7.577371	7.522179	7.924885	7.550692	7.952971	7.956189	7.841843	8.141353	8.019224	8.032239
PPP1R9A	2.8936595	2.778924	3.048497	3.157141	3.02945	3.03295	3.12486	3.0415595	3.9595345	3.14008	3.0038135	3.906433
GTDC1	5.142964	4.78266	5.108346	5.044177	5.144732	5.312124	5.487173	4.940472	4.963415	5.85549	5.098325	5.050694
DPYD	6.115473	5.674812	5.811843	6.292825	6.252891	5.738411	5.708898	6.096272	6.77649	6.128531	5.807355	5.294799

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
CDKL2	3.5288395	3.5478195	3.5935625	3.493298	3.355897	3.35692	3.3440995	3.338309	5.622918	3.379091	3.4201755	3.3525555
ASB13	6.478409	7.311646	7.317411	7.506546	8.131377	8.039797	8.147926	8.051023	7.959764	8.01641	8.10923	7.961856
ATN1	6.196581	7.1900695	6.551868	6.345034	5.8052015	5.813618	5.8000115	6.0967375	6.0131335	5.606701	5.718904	5.9470705
ASB3	6.01835	5.6027265	5.615252	5.983127	6.137327	5.9504365	6.157498	6.1594675	6.1033435	6.1738755	6.025984	5.9397315
LSG1	7.324457	7.407736	7.691088	7.893804	8.083221	9.095636	8.365426	8.126348	8.304838	8.370663	8.744049	8.009497
SIL1	8.023048	7.887856	8.38343	8.664963	9.016996	9.381424	8.903389	8.951664	8.31003	9.580225	8.930044	9.731743
TFAP2A	3.525075	3.920205	4.249741	3.629934	3.728057	4.588401	3.401028	3.439788	3.806759	3.797555	3.672798	3.671815
PHKA2	6.042697	6.588316	5.868118	6.00424	6.231361	5.832534	6.036384	5.872446	5.361491	5.918454	5.438181	6.119064
DOCK10	6.8653335	6.705012	5.935478	6.5659295	5.5420495	5.907107	5.07954	5.946097	5.875924	7.3451575	7.7378345	6.998848
PSKH1	6.072483	6.649561	6.140457	6.589267	7.104738	7.05515	6.923807	7.119438	6.948256	7.216976	7.101112	7.060303
RGS9	4.01104	3.979309	4.307007	4.314246	4.258593	6.379736	4.607606	4.037633	3.880773	4.928161	4.207384	5.307166
SIPA1	6.872463	7.415714	7.064814	6.752395	6.044735	6.115619	6.023804	6.038392	6.3848	6.234784	5.471591	6.082146
NFKB2	5.553239	6.295225	6.081743	5.586714	4.989497	5.281991	5.200834	4.866712	5.335912	4.995407	5.107974	4.852835
POLA2	5.963304	6.105377	5.651567	5.918142	5.491364	4.604981	5.30143	5.211417	5.250181	4.984598	5.095376	4.789627
NUCB2	8.798253	8.390329	8.642356	8.8861425	7.389353	7.484479	7.764995	7.253836	7.4696305	7.692259	6.5274925	7.565038
ST3GAL6	3.012032	2.968472	2.96657	2.991366	2.9253195	2.9528185	2.6830715	2.8003135	5.1835175	2.8129865	2.864027	3.0665535
CDH11	7.6527965	8.224053	7.88173	8.5358825	7.3036265	9.5676375	6.5507785	7.28688	8.2443525	8.3533325	8.750093	9.0091685
TLX1	4.25458	4.700847	4.361589	4.569761	4.503136	4.001011	4.26315	4.26575	4.263676	3.994249	4.484302	3.896362
KIF1A	4.112272	4.485649	4.294932	4.324146	4.501931	4.246679	4.076921	4.464412	4.606069	4.747949	4.557626	4.036808
TRIM9	3.5892985	3.197313	3.3338905	3.5597375	5.0499665	4.1657745	6.5447725	4.848571	3.2701375	5.600187	3.1282695	5.1035145
CHMP7	7.902005	7.90132	8.082031	8.224181	8.483929	9.01339	8.158344	8.41064	8.595519	7.848678	8.71392	8.001944
PPP4R1	9.790396	9.386387	10.03125	10.03852	10.25327	9.780193	10.42395	10.3275	9.836841	10.78998	10.10287	10.49721
DRP2	3.07767	3.195492	3.002883	3.483146	2.931014	2.859106	2.94095	2.853716	3.001049	2.799264	3.196658	2.850391
AGRP	5.90889	6.389038	6.263001	6.298203	6.13026	6.26366	6.176726	6.401265	6.101299	6.097513	6.436281	6.013462
CD44	10.01404	10.97684	10.04803	9.729046	10.45251	10.66222	8.707695	10.6448	7.912333	7.723897	9.783154	7.624314
CLN3	6.9650055	7.063314	6.9271845	6.8909685	7.8219475	8.509296	7.707549	7.821446	8.577015	7.113238	7.8850005	6.9716545
GAS2L1	7.26401	7.165919	7.227717	7.602427	7.056184	6.49573	7.015512	6.771573	6.756916	6.676781	6.966081	6.492869
ABR	7.202122	7.641448	7.098907	6.802585	6.82796	6.123593	4.905287	6.845883	6.871129	6.149888	6.820248	5.648612
TNNT2	4.836702	5.2372725	5.1075395	4.8128965	4.8411195	4.8429295	4.7768425	4.930889	5.574355	4.7845485	4.9189185	4.472055
CAV1	12.683695	12.694385	12.31851	13.138605	10.86032	12.591545	12.504515	11.130615	11.832675	9.241364	11.53795	9.679493

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
MEP1A	2.937757	3.115234	2.876617	3.042711	3.159192	3.06313	2.991153	2.922705	3.193025	2.702492	3.288099	2.875783
FPR1	4.168387	4.240636	4.5127845	4.368136	4.4327495	4.345366	4.353466	4.404014	4.489145	4.206662	4.5541445	4.244958
RASSF2	4.687846	5.693765	6.680742	4.551375	4.985972	6.593382	4.465881	5.681035	4.23785	4.460433	6.148197	4.596591
LDHC	4.380435	5.106271	5.049914	5.525524	4.764676	4.388193	4.868119	4.698806	4.472182	4.079835	4.646339	3.723895
ABCA6	4.279687	3.277239	5.313576	3.961366	4.387115	3.77579	3.292645	4.882776	3.19799	3.71104	3.54901	4.283828
CATSPER3	3.050018	3.285272	3.322012	3.560881	3.410832	3.560485	3.381429	3.304503	3.66005	3.66005	3.760018	3.41096
MCTP1	2.840067	3.134089	3.01339	2.8983	3.264486	6.101967	4.060078	3.135553	7.23867	3.713232	3.972968	4.166558
RP2	5.2604815	5.201271	5.4774865	5.779995	5.7025655	5.9495415	5.5309605	5.599677	5.9993725	5.2350065	5.4555365	5.1808115
REPIN1	4.221861	4.875147	4.449093	4.62624	4.634066	4.906312	4.816358	4.400588	4.572429	4.489432	4.58587	4.439138
CCR3	4.381582	4.199297	3.904814	4.228007	3.856271	3.985936	3.872375	4.232541	4.046645	3.476546	4.021948	3.665792
HIST1H3F	6.361548	6.363177	6.293949	6.716224	7.80413	8.805433	7.587127	7.936491	7.323339	6.213588	8.283088	6.364052
IFI44	6.1648455	5.156104	6.2299755	6.008372	8.075646	5.4931505	7.9634655	7.9385295	9.562982	8.610454	9.6522705	9.3891465
KLHDC3	7.423327	8.5073425	7.5423335	8.2990415	7.7755215	7.8368645	7.7325965	7.5732605	7.277845	7.0596195	7.298748	7.148547
ZNF678	4.4050115	4.3557555	3.7951425	4.3130895	4.25799	3.628388	4.582436	4.2525315	4.052963	4.7964645	3.939472	4.697063
SFMBT1	4.840055	4.7749325	4.869219	5.2929125	5.319524	5.3584035	5.726574	5.4383665	5.1792385	5.2411175	5.68612	4.970376
OR52D1	4.347075	4.420362	4.748061	4.834966	4.908986	4.802205	4.690735	4.867372	4.556867	4.209817	4.795444	4.359377
SF3B2	7.4965405	7.63209	7.2058505	7.665052	7.6368255	7.2745885	7.39915	7.674553	7.4217695	7.744494	7.7611445	7.6288095
PHIP	6.081486	5.641906	6.155068	5.981261	6.943473	7.038479	7.130675	6.939577	6.602775	6.495779	5.821479	5.82118
CUTA	10.76694	10.62517	10.66193	11.45566	10.99214	10.52204	10.6915	10.91672	11.13539	10.8876	11.05412	10.71546
FZD8	5.875145	5.725657	6.357549	6.865215	5.553098	4.914824	5.193142	5.540229	7.596151	4.957169	5.615639	4.95238
YAF2	5.5227465	5.7175595	5.6938835	6.0622905	5.528619	6.144289	5.321526	5.448066	6.10149	4.6449905	5.504486	4.47075
JSRP1	4.226854	4.802278	4.583557	3.952977	4.038137	3.955206	3.979737	3.857352	3.82876	3.949099	4.077227	4.020007
CNIH2	6.462767	6.668731	6.625902	6.574561	6.687845	6.253886	6.76512	6.657018	6.404786	6.604662	6.475806	6.752375
DLX2	5.89679	5.6600525	5.6054015	5.754817	7.807644	4.1883385	4.7676035	7.718129	4.6164485	5.5348485	4.292848	4.643948
TNFAIP1	7.628499	7.814982	8.0332875	7.7944965	8.0980315	9.1669215	7.5486405	8.3292965	8.0267865	7.0814765	8.3155545	6.958052
NOL11	9.106562	8.635971	8.878357	9.62108	10.02412	10.01755	10.44487	9.810946	9.420871	9.281683	9.453713	9.110336
RPUSD4	8.131894	7.796539	8.23552	8.270707	8.710553	9.395975	9.116406	8.598718	8.08923	8.504437	9.143109	8.629856
MCF2L2	2.205158	2.317534	2.658441	2.358707	2.258638	2.241083	2.110812	2.21499	2.281084	2.158552	2.254095	2.360809
SHROOM4	3.907993	4.153454	4.297127	3.827273	5.477511	4.36639	6.410408	5.335396	3.994249	6.041698	3.912779	6.371363
TSPAN15	4.858925	5.137554	4.756353	4.937891	7.276123	7.749207	8.866779	6.668882	4.941976	6.079839	5.585262	6.46022

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
EDN3	3.546851	3.475902	3.669852	3.716842	4.236277	3.6781105	3.5907575	3.9743895	3.769542	4.443908	3.949715	3.4256505
PRKAG3	5.251653	4.90092	5.099495	4.982231	5.431187	7.226291	5.32	5.508114	4.798921	5.016019	7.963139	5.980666
TM2D3	9.025869	9.001302	9.203787	9.378105	9.409433	9.661872	9.489708	9.41873	9.65643	9.453377	9.409567	9.495386
LATS2	7.830189	8.606223	7.933493	7.1572135	6.6122585	7.359052	6.57913	6.726066	6.9288955	6.8332905	7.314065	6.766664
GOLGA3	7.990004	6.895147	7.487838	7.343103	7.034599	6.975981	7.050155	7.062699	6.80771	7.028337	7.335413	7.181565
TIGD4	2.869383	2.955087	2.877086	3.137481	3.023721	3.060122	3.116843	2.8252	2.961946	2.859426	3.01616	3.614809
GPR137B	8.480592	8.642147	8.474116	8.619524	7.687119	5.470512	6.144395	7.712707	8.146896	8.106313	8.175824	7.438941
NKRF	7.512664	7.585895	7.470883	7.969938	8.237103	8.994931	8.600605	8.18695	8.324555	8.265224	8.33949	8.030408
CD34	5.283422	5.520946	5.226317	5.257209	5.175818	5.37146	4.932858	5.391247	5.343417	5.469188	5.397674	6.10523
SLC6A9	3.752031	4.291781	3.850533	3.52451	3.577162	4.271701	4.041356	3.448349	4.183081	3.525084	4.313126	2.96298
GABRB1	2.639705	2.753288	3.010067	3.20121	2.992967	4.275248	3.077669	3.122179	3.047943	4.692077	2.930089	4.915909
EIF1AY	7.604477	2.8698495	2.874155	7.927808	8.445414	2.918407	9.2163255	8.502675	8.244624	8.0701715	7.843362	3.05052
SCIN	3.039653	3.028487	3.940705	4.37287	8.147976	5.979202	3.3253	8.683281	2.814674	3.917855	2.9289	6.679487
MAP7	3.84396	4.2076655	4.796816	4.001945	4.4722275	4.899476	7.2032375	4.769809	4.2330955	6.504695	4.6021975	5.887273
TRPM1	2.606677	2.724867	2.62538	2.828831	3.970894	4.835449	5.393724	4.242614	2.678134	3.507285	3.405119	2.834748
NPC1	5.472056	4.740146	5.505235	4.415602	4.145467	4.449686	4.518548	4.437807	5.335533	4.419862	4.761761	4.697498
CX3CR1	3.4072195	3.413759	3.3125205	3.312523	3.364454	3.4548615	3.264826	3.2659665	3.182971	3.431024	3.620746	3.2492835
HP	4.963865	4.989709	4.563301	4.613204	4.245374	4.47117	4.532675	4.430167	4.353786	4.680365	4.456135	4.455338
DTX2	5.528424	5.955116	5.372861	5.688533	5.271869	5.462194	5.170194	5.169104	5.66548	5.216948	5.464895	5.101167
ASF1A	8.101935	7.689013	7.524884	8.117046	8.4300525	8.438764	8.935883	8.3670095	9.8362595	8.1718695	8.917303	8.1573295
STK25	8.472633	8.096695	8.396942	8.520233	8.47923	8.258858	8.421804	8.464916	8.006013	8.159489	8.174347	8.274453
SNX14	7.6901265	7.3757665	7.6058085	7.367247	7.189325	7.0462655	7.1774795	7.44059	7.1925095	6.9505625	6.9421545	7.0684275
VEGFC	10.05804	9.632611	9.727098	9.986842	7.178109	6.553764	6.041692	7.167605	9.588737	8.089598	7.224895	7.613422
TAF6L	4.537201	4.843966	4.96917	5.012364	5.280853	5.184357	5.194002	5.234334	5.641778	5.080279	5.575204	4.925156
DUSP6	10.30759	9.297588	8.414959	9.832867	7.500671	8.12988	5.528532	7.472911	9.440891	7.829259	9.915681	7.855906
KRTAP4-4	2.688302	2.717741	2.859426	2.6261	2.901079	2.649145	2.568044	2.780039	2.469829	2.502297	2.565278	2.789201
MIB1	8.1976375	7.3341415	7.605042	7.425723	9.0075245	9.6059935	8.8144235	9.0250695	8.8775155	8.8558375	7.373145	8.5590045
TNKS	3.9640245	4.0644725	4.020366	3.855292	4.0897275	4.0746	3.9723015	4.1025715	3.836912	3.875342	3.9901925	4.038408
MBTD1	4.587116	4.198677	4.1863985	3.867109	5.158893	4.9201795	5.608321	5.1705975	4.2592915	4.8669615	4.537091	5.635724
RNPEP	9.789799	9.953167	9.874084	9.69338	10.55228	10.41996	9.862301	10.51379	8.85078	9.541249	10.00099	9.413273

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
EHHADH	5.372532	5.011587	4.640972	5.653463	4.940813	4.889472	5.188259	5.032655	5.677925	5.375431	4.782811	4.632241
TRIM10	4.0295595	4.2669345	4.039139	4.15433	4.0370865	4.147242	4.07076	4.067237	3.907024	3.9517975	4.092572	4.3990715
PLEKHN1	5.790078	6.282899	5.884018	5.789932	5.582778	5.425872	5.36146	5.545485	5.359535	5.107493	5.475655	4.926075
SERPINA6	4.085067	4.308784	4.302556	4.074691	4.111833	3.955249	3.874947	4.249569	4.291299	3.993794	4.051261	4.059088
POLR2C	9.243313	9.262731	9.002005	9.114347	9.363433	9.075516	9.2983	9.285865	8.965744	8.505661	8.766754	8.451271
CNOT10	7.250072	7.335516	7.70944	7.540726	7.591645	7.324565	7.719483	7.407613	7.956471	7.593598	7.632998	7.638885
ARHGDIG	4.93645	5.421969	5.082711	5.528614	5.235179	5.316571	5.096951	5.361071	5.256894	5.180891	5.33394	5.036046
TTLL3	4.853582	5.114388	4.954402	4.768619	4.688653	4.505083	4.908253	4.663331	4.394041	4.369923	4.453932	4.699574
SLC1A3	5.353994	5.1921675	5.016792	4.344974	3.9194515	3.679778	4.0304915	3.8094875	5.052218	4.7276965	4.3710735	4.4313085
FAM20B	8.71153	8.58663	8.5093765	8.394539	8.1440855	8.395593	8.700136	8.0293165	8.0288315	7.7234675	7.882675	8.038713
NGDN	6.036753	5.875281	5.974961	5.9286265	5.9371545	6.039994	6.303783	6.087961	6.0120205	6.2709055	6.142557	6.281389
FIS1	10.45382	10.13873	10.13243	10.3866	11.05196	10.81716	10.74343	10.9621	9.362772	10.14722	10.61692	10.07593
MYO1B	10.67825	10.6915	10.60442	10.36521	9.287867	9.163628	9.601042	9.440763	9.288197	9.485544	9.923451	9.330935
HTR2B	2.765582	3.020295	2.637982	2.946993	2.82468	2.871613	4.114553	3.142594	7.659097	2.718445	2.769121	5.054763
TAPBP	6.31636	7.126473	6.20883	6.454813	6.802262	7.039395	6.527851	6.720661	7.323247	5.773672	6.837556	6.042413
VAMP8	3.721087	4.409211	3.524896	3.552854	6.262874	6.914197	7.636346	6.563991	4.259673	4.88116	5.582506	4.724993
NKIRAS1	7.65708	7.077335	7.722424	7.800198	8.451553	9.745113	8.813246	8.331044	8.30458	7.829899	8.253651	7.440506
TAF5L	6.7336535	6.639439	7.0466995	6.9188175	6.7021475	7.6547515	7.13205	6.5815135	6.984686	6.2573735	6.7786455	6.502113
TMPRSS2	4.598535	4.7167955	4.8332535	4.955198	4.79446	4.7238045	4.794964	4.85476	4.6933045	4.622895	4.792622	4.445307
BLVRA	7.257389	7.025731	7.652796	6.981972	4.637452	3.49499	4.612837	4.230039	7.633928	5.564674	5.161484	3.748064
ZNF684	4.258447	3.7569945	4.026659	4.1157995	4.6609025	4.58226	4.9954765	4.367391	4.802185	4.7235425	4.123447	4.439591
MLLT6	5.914317	6.185999	5.794417	5.755941	5.879986	5.714595	6.22659	5.723683	5.707368	6.438009	5.935021	6.515255
GALNT11	8.855623	9.143838	9.074373	9.122923	9.107924	8.889358	8.398231	9.065247	8.375099	9.318194	9.048362	9.177211
MRPL23	7.1053365	7.230198	6.756774	7.126831	6.950597	6.561378	7.238604	6.7045885	6.600844	6.8947125	6.672807	7.1651515
AVPR2	4.519975	4.9187055	4.7325285	4.626765	4.580412	4.7144525	4.50222	4.6542335	4.642453	4.4357445	4.7899145	4.104708
LRRC20	6.221919	6.314807	5.717131	6.315023	6.129511	5.530891	6.070075	6.168817	6.300061	6.461402	6.4413	6.449362
CYP4A22	2.94496	2.976205	3.023933	2.91696	2.986785	3.003424	2.931014	2.978744	2.93843	2.955088	3.005771	2.914529
TAS1R2	4.215541	4.000322	3.745757	4.081486	4.270575	4.041105	4.231755	4.236141	4.061267	3.619992	4.309645	3.447013
LCORL	5.775691	5.725658	5.788759	5.701284	6.15631	5.97923	5.813899	6.18562	5.836752	7.088322	5.276031	6.973558
PPP4R1L	4.41063	4.5315385	4.2539215	4.358482	4.141564	4.015955	4.234029	4.2030235	4.3529325	4.336632	4.508719	4.2987455

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
IFNK	2.386553	2.436177	2.517271	2.201365	2.814345	2.428539	2.441765	2.428539	2.664779	2.375075	2.486999	2.464658
CCT7	11.14663	10.63543	10.83488	11.03398	11.69611	12.20085	11.7583	11.67105	10.97017	11.26101	11.79825	11.38199
CEACAM5	4.9022715	5.1711585	5.1291765	5.228532	4.9663345	5.072259	4.800719	5.12452	5.1608045	4.860677	5.016989	5.046727
GUSB	6.3765635	6.4663875	6.5447805	6.183626	6.476253	5.205371	6.577707	6.4697435	6.394313	6.5851095	6.3319395	6.5464465
LGALS14	3.827892	4.189839	4.004428	4.440886	4.445228	4.153384	4.148052	4.418085	4.120961	3.758068	4.243	3.824329
PTPRA	6.265549	7.101536	6.369426	6.313346	6.269903	6.903688	6.262638	6.294336	6.27083	5.658585	6.855842	5.984783
PZP	4.435832	4.320354	4.050334	4.440374	4.29293	4.051393	4.283304	4.312425	4.120092	3.900518	4.075282	3.716567
CRISPLD2	7.423399	7.435156	7.793993	7.29298	7.353212	6.96076	5.013894	7.1187175	5.8912045	5.511499	6.8088235	5.0383365
HTR1E	4.242613	4.030104	4.431446	4.305778	4.326196	4.360088	4.377004	4.537163	4.457336	3.781822	4.693845	4.049106
CRABP2	12.14585	12.2607	10.86844	10.98186	8.118706	9.807772	7.825426	7.715994	6.65052	7.60478	7.897854	8.189566
AQP4	2.678279	2.816686	2.669481	2.57738	2.641269	2.771243	2.604192	2.7261	2.708073	2.62537	2.714695	2.707084
OR5K1	2.717765	2.57511	2.62617	2.916258	2.770646	2.591834	2.540312	2.688616	2.814917	2.714574	2.769348	2.586877
ROCK1	7.290401	7.419802	7.3442615	7.0882985	6.406858	6.861283	6.581289	6.3910825	6.4707355	5.9610825	5.916722	5.705579
SCO1	8.44972	8.143378	8.402699	8.245079	9.25282	9.418379	9.434317	9.248414	8.656099	8.433064	9.623073	8.500517
ABHD8	5.219635	6.085235	5.632586	5.650679	5.28965	5.528875	4.940669	5.038554	5.324942	5.501321	4.903533	5.152053
ABCC8	5.0632075	5.293794	4.97802	5.0947375	5.154174	5.035171	4.9927775	5.127581	4.9367895	4.764109	5.277096	4.78761
DPYS	3.475312	3.250696	3.294864	3.460946	3.413424	3.43374	3.373988	3.404514	3.462202	3.632926	3.632867	3.638468
LENG9	4.760528	4.510658	4.466823	4.415108	4.489782	4.836199	4.987788	4.603099	5.058392	5.119464	5.40319	5.042666
CARHSP1	6.8029575	7.045281	7.036696	6.982189	6.539809	5.5299325	6.410473	6.5356245	6.5834515	6.2849375	5.652522	6.1596375
RPSA	4.895486	4.865479	4.695969	4.509999	4.95585	5.264206	4.85504	4.991934	4.753014	4.764668	5.363025	5.462868
PSMA1	10.81314	10.49364	10.65865	11.1594	11.35564	11.37706	11.53517	11.40143	10.7122	11.01088	11.42619	10.87562
CEP57	8.187724	8.362108	8.310019	8.232819	8.074024	6.780733	8.070996	7.944824	8.6558	8.524999	7.853307	8.093312
PCDH12	6.364861	6.206695	6.402298	6.260083	6.423372	7.306453	6.244594	6.608486	6.414475	5.989885	7.241247	6.311499
CHEK2	7.339641	7.084262	7.424511	7.310335	7.840875	7.431818	8.216745	7.851227	7.624104	7.565817	7.721557	7.24193
UBE2NL	9.733451	9.682374	9.70347	9.977017	9.552988	9.704	9.86908	9.792519	9.387764	9.252232	9.525242	9.592993
GTF2IRD1	7.616562	8.317575	7.949066	7.914485	8.150593	7.369959	7.766528	8.064591	8.44896	8.270016	7.802135	8.028881
PODXL2	4.526357	4.97203	4.424219	4.853794	5.94852	6.970569	7.136398	5.814888	5.825193	7.359558	5.985379	6.37091
LYPD5	4.717913	5.138689	4.817361	4.638163	4.286545	4.271969	4.5263	4.459876	4.632165	4.264592	4.638462	4.228293
DACT1	8.308395	8.478071	8.328765	7.963697	6.300811	6.286595	3.525634	6.469443	7.80451	7.005095	6.550278	5.655014
TRPM4	5.907344	6.304268	6.668882	5.971449	6.006966	5.828683	5.162792	6.094815	5.786476	6.823443	6.007491	7.358348

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
ATP6V1G3	3.506682	3.62844	4.680454	4.068133	4.071463	4.309645	4.141567	3.997846	4.476209	4.138956	4.230906	4.104156
MME	10.68175	10.60101	11.655235	9.4726085	4.0559	7.3962025	4.0730765	4.388376	9.239959	4.918484	6.3492655	4.1614805
TM9SF1	9.006062	8.892987	8.953894	8.675368	8.925312	9.34761	8.711666	9.040234	9.170309	8.40496	9.503616	7.969978
PSMD10	10.1730685	9.9688665	9.762427	9.9416045	10.4488	10.0623965	10.0643185	10.52154	9.9042655	9.6139115	10.3228	9.1326155
ZNF586	4.9123025	5.01023	4.9408705	4.906936	5.154816	4.904623	5.450306	5.0074055	5.078611	5.343223	5.2153925	5.271437
PRPS2	9.3547685	8.7719055	8.3403495	8.656552	8.204416	7.0210325	8.4625865	8.3609205	7.478534	7.9782295	8.3985285	8.119834
FOXRED2	5.609598	5.980983	5.474266	5.660911	6.187178	5.535128	6.218857	5.864183	6.388807	5.551334	5.599609	5.335447
SHANK1	4.045554	4.651252	4.165217	4.491938	4.466811	4.601898	4.324517	4.294634	4.45753	4.107893	4.50565	4.254725
RAP2C	8.6769375	8.4404265	8.922026	9.370378	8.4575955	9.083281	8.665563	8.3168275	9.499203	9.2243215	8.9461775	9.355575
ARMCX2	11.02944	10.91836	10.94012	10.89231	9.792338	5.866724	9.59621	9.908578	10.69761	9.772184	7.366649	10.71742
PKP3	4.9923305	5.500825	5.2265955	5.3805545	5.5846855	7.1016365	5.6176505	5.579704	5.2368855	4.78037	5.3995825	4.7235145
IL2RA	4.522553	4.3992395	4.2155	4.277066	4.2699215	4.3988705	4.3828365	4.415742	4.2992645	4.0218295	4.1406565	4.102747
HIPK2	5.932006	5.845314	6.081961	6.196192	5.6903495	5.8793975	4.964532	5.760048	5.6509915	5.8388575	5.945494	5.518352
TP53I3	8.694559	8.096968	9.009413	8.769094	9.170075	9.06927	8.896095	9.568492	8.370047	8.525536	8.613733	8.207252
COX7B2	3.39786	3.632894	3.669304	3.257779	3.781823	3.6733	3.447014	3.970721	3.441449	3.194609	3.439345	3.343787
GFI1B	4.881071	5.1754915	5.1865075	5.0743595	5.066643	5.2178785	5.120991	5.1069975	5.1297505	4.69298	5.1637855	4.354704
TMEM11	8.259743	8.269209	8.556574	8.136779	8.27298	8.88538	8.49918	8.228817	8.233801	7.845717	8.641165	7.940465
CAV3	5.867914	5.936302	5.788368	6.015352	6.18645	5.829083	5.894825	6.108998	5.945078	5.723429	6.072934	5.669982
TIAF1	5.28099	5.439213	5.072054	5.330565	5.219742	4.990442	5.182752	5.145362	4.925667	4.742292	5.080685	4.811152
HIF1A	12.89394	12.73985	12.70456	13.06259	12.17833	11.7291	11.66021	12.21009	13.37165	11.57624	10.0564	11.28511
POGZ	7.240199	6.599306	7.299558	6.5040815	6.7717665	6.2425415	6.8060835	6.6389995	6.5477775	7.6761525	6.4238455	7.9771325
ARPC5L	8.822983	8.4568085	8.8257805	9.1191195	8.8511625	9.317564	9.09014	8.7369665	8.5556765	8.4573905	9.6736405	8.4439535
DZIP3	6.563038	6.271921	6.506556	6.167378	7.131599	6.647654	6.789376	7.06302	6.945141	6.914798	5.23102	6.672967
P2RX5	6.387012	5.993375	6.320631	7.067561	7.549462	11.48169	9.694492	7.68263	6.265555	6.189277	9.14674	7.592651
BCR	6.415762	6.459294	7.059235	7.049487	6.97509	8.175647	6.894805	6.932832	6.501495	6.338273	7.420135	7.037842
ST3GAL1	6.299205	6.940839	6.518723	7.032502	5.892011	5.589128	5.35032	5.776033	7.104124	6.42861	6.730875	6.468224
HIRA	5.8185935	5.6827795	5.374067	5.225921	4.879364	6.256109	5.17807	4.8039875	6.3576585	4.9729705	5.6746165	5.119452
TSPAN16	3.530123	4.397675	3.903673	3.927181	4.057506	3.934407	3.998104	4.139561	4.271702	4.047927	4.146425	4.373027
TNFRSF11A	4.2660815	4.044452	4.137644	4.328764	3.732278	5.4250255	6.8176405	3.780736	4.2327405	4.6545305	3.600263	4.327894
KIF12	5.489302	5.623853	5.507434	5.74991	5.557109	5.507434	5.401508	5.45605	5.516297	5.21703	5.522626	5.040934

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
SLC12A6	4.833349	5.425862	5.220757	5.039693	4.511087	5.694911	4.826132	4.568624	5.04316	4.483813	5.431599	5.141766
TINAG	3.112004	3.612496	3.051601	3.271053	3.396131	3.36459	3.494898	3.59389	3.423589	3.495607	3.950562	3.281315
HBD	4.574637	5.372531	4.479637	4.985637	4.651473	4.867476	4.730077	4.811464	4.794277	4.675547	4.595196	4.187088
LIPI	2.395452	2.374964	2.526163	2.747965	2.656585	2.805103	2.641121	2.934811	2.684998	2.693774	2.632382	2.656585
INMT	4.344125	4.518485	4.461912	4.336056	4.572134	5.175537	4.607578	4.62956	4.671103	4.870042	4.828254	5.470624
TFPT	7.625233	7.303281	7.132008	7.56989	7.793538	7.525845	7.194336	7.870442	8.220466	7.604632	8.356208	7.455008
SPP1	3.3842695	3.1222145	2.9673	3.8094965	2.9560495	3.9316935	3.0071985	2.84345	4.6384965	2.897796	3.95483	2.868302
SLC1A2	3.5881235	3.5646605	3.7985775	3.72217	3.343479	4.3824915	4.7625935	3.650264	3.054322	3.7594565	3.03404	3.9628725
STRC	4.546961	4.763349	4.5133045	4.618025	4.555163	4.5566215	4.5573475	4.611539	4.7459065	4.2511775	4.7383435	4.3829165
APTX	7.346972	7.20771	7.281906	7.426568	8.393032	8.045295	8.302871	8.358672	8.026983	7.632495	8.694139	7.459093
ACACB	4.5405995	4.1626495	4.031215	4.359444	4.4028875	4.008497	4.115873	4.4395455	4.571894	3.9671265	4.1422125	4.309492
TEAD1	6.729822	5.75636	5.33894	5.842062	6.078789	6.459297	6.599461	6.240506	6.727918	6.252662	5.556851	6.251203
KCNK2	9.479947	10.19774	10.19535	9.68398	6.108005	2.946774	8.260265	6.380877	4.825967	8.482204	4.784285	7.96251
PJA1	9.171669	8.92065	9.519757	9.582683	9.235914	9.461393	9.211997	9.265669	9.725126	9.403128	10.45404	9.313084
ADAMTS3	4.407992	3.161694	3.923787	3.657574	6.970429	6.551435	8.942513	6.690766	7.606423	9.27263	6.589763	10.05246
GRINA	7.877088	9.162237	8.633294	8.613912	7.236321	7.693222	7.325617	6.87906	7.363134	8.026295	7.325129	8.141807
ITM2A	3.4800645	3.759849	3.561599	4.039631	3.946557	3.951641	7.768344	3.7364755	3.7355655	4.8863595	3.697032	5.897343
AKAP14	2.6082	2.654417	2.841585	2.647537	2.840922	2.931014	2.764054	2.856441	2.626954	2.598664	2.758929	2.754442
NFATC1	5.885304	5.82066	5.8370415	5.9995365	5.752736	5.4440605	5.3467035	5.71476	4.6139905	5.6292355	5.8339265	5.530822
PPFIBP1	5.734305	6.821049	5.696921	5.357734	6.761374	6.428749	5.998392	6.670781	5.790268	5.427234	6.118934	4.817308
MAP3K3	6.871336	7.211473	6.993519	7.460907	7.039734	7.217552	6.880986	6.912241	7.304852	6.823365	7.386312	7.003156
STX18	8.274669	8.155691	8.70052	8.562001	9.287243	8.674211	8.707689	9.412406	8.461976	8.304534	8.824117	8.32181
NCR3	4.610338	4.671544	4.882282	4.981816	4.641704	4.432614	4.625066	4.811876	4.551222	4.199151	4.508783	4.280728
TMEM70	6.1849	6.100376	5.846773	5.945099	6.534688	7.422371	7.210437	7.378524	7.579944	6.679399	7.265211	6.876854
LIAS	5.520624	5.832135	6.09933	5.923939	7.826547	8.781421	8.513355	7.828617	7.742257	7.562241	8.940616	7.878187
MSI2	5.166577	5.323856	4.782474	5.356947	6.447163	7.192029	6.97688	6.434826	5.640082	6.167307	6.194007	5.445908
PTK6	4.3170055	4.105903	4.295129	4.145483	4.042871	4.2028305	4.148621	4.1599225	4.2177055	4.1169845	4.1255785	4.0638445
PCDHGC3	5.040518	4.801757	4.718257	4.911696	5.023255	4.114353	4.120653	4.449653	4.455579	3.986442	4.162741	3.896395
APLN	5.791719	6.150758	6.443611	6.216422	5.322631	5.412469	5.486202	5.069106	5.330541	5.251093	5.514626	4.88054
FBXO24	4.5228425	4.7448235	4.586369	4.423808	4.4327505	4.373224	4.283919	4.2929825	4.1504275	4.3846705	4.6920005	4.117093

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
GDF15	4.242614	4.57216	4.166844	4.25349	4.489501	5.208378	4.271948	4.51655	4.852416	4.327975	5.389445	4.762571
TAS1R1	4.1910855	4.4418075	4.3609685	4.424554	4.692803	4.3902095	4.338246	4.6192775	4.4752665	4.5597715	4.7882455	4.272825
SART1	5.8199985	5.986914	5.899712	5.9210435	5.332469	5.459691	5.5482295	5.3125735	5.132254	5.5551475	5.3296675	5.593946
SBF1	6.385139	6.93676	6.030035	6.190982	6.02518	7.470642	6.00322	5.44399	6.2473	6.570626	6.372206	6.16776
GTPBP10	4.012665	3.862292	3.877466	4.038666	3.702518	4.145946	3.529373	3.569023	4.662949	3.664451	3.774994	3.65616
FBN2	3.430296	3.325933	3.419344	3.414058	3.953668	5.589678	3.5682	3.687881	4.466183	5.470169	3.66286	6.319223
OR2B3	3.267246	3.32975	3.295903	3.697565	3.438282	3.376883	3.497459	3.778574	3.551931	3.374523	3.453159	3.260325
LMO2	4.2171365	4.200849	4.597708	4.2036035	7.530267	5.322831	5.550758	7.576941	3.994978	6.391678	6.0947105	6.003628
LONRF3	3.5888305	3.544613	3.517143	3.509819	3.8423415	4.8565115	3.6765205	3.908971	5.6451	3.632697	3.975946	3.5910765
BUB3	9.7586615	9.9936545	9.7037805	9.8961105	9.726165	9.753395	9.864679	9.6507775	10.07441	9.471642	10.20835	9.12864
DAND5	4.198811	4.28479	4.295151	4.08503	4.169294	4.013589	3.935071	4.414204	3.928699	3.797941	3.790667	3.775699
GRID2	4.409285	4.686105	4.539405	4.423586	4.405435	4.392217	4.445916	4.556581	4.400584	4.282207	4.085932	4.142196
SH2D4A	8.865267	8.583715	9.821177	8.982249	7.794563	8.252949	7.50141	7.510953	8.333231	7.101652	8.370927	7.430264
TMEM54	7.110316	7.865898	7.276926	7.216497	7.173694	7.175889	6.218616	7.072812	7.305675	6.922027	7.749575	6.50603
CYP4B1	3.9926865	4.14258	4.151167	4.1386415	4.369289	4.2535445	4.220779	4.2158005	3.959727	4.334256	4.1836725	5.0211685
BCL11B	3.990195	3.648595	3.761464	3.612753	3.516338	3.082822	3.590199	3.510755	3.323007	3.592666	3.377402	3.747856
CSH1	4.314963	4.406757	3.913861	3.871538	3.853357	3.894622	3.9561	4.243942	3.836282	3.661969	3.950562	3.74763
RASGEF1B	3.1994345	3.2469625	3.268135	3.4678825	3.382817	3.456479	3.7655415	3.6881295	3.613416	4.077333	4.065387	3.655301
ALDH2	8.399466	8.682995	8.663558	8.654235	10.90921	8.737812	9.128667	10.76091	8.308434	8.810504	8.231434	9.222915
TRIM37	7.2451555	6.7907885	6.988721	7.245517	7.665748	8.046993	7.5509675	7.7327865	8.659296	7.2113965	7.3724485	7.508888
RTN4RL2	4.448936	4.562744	4.361698	4.412299	4.449618	4.438903	4.240935	4.513966	4.503322	4.729211	4.155543	4.111321
LRRC23	5.489302	6.223129	5.38103	5.482874	5.688469	4.844852	5.1675	5.516605	5.734613	4.718918	5.743817	4.663779
ZBED1	7.489751	7.34235	7.0361685	6.9631355	8.283293	7.542227	8.378018	8.2039225	7.238472	8.590163	7.596401	7.8911065
BCL2L1	5.856911	6.725486	5.464302	5.4995615	5.428757	6.681584	5.282259	5.45342	6.055824	4.7903195	5.9902585	4.720505
CCND2	4.620184	4.3334325	4.7943625	4.6628635	4.7220085	7.177101	5.4325435	5.089406	5.4653805	6.9404425	7.002818	7.343926
DLX1	5.3074045	5.4519075	5.556031	6.140632	6.6373835	4.4576515	4.7274655	6.600512	5.358453	6.9817985	5.0865635	5.5584935
ZNF414	4.6838465	5.1351295	4.784245	4.7443	4.6443365	4.6606445	4.692841	4.689812	4.695959	4.6244195	4.72798	4.6284015
GPAM	7.803425	8.0086075	7.3455835	7.027059	7.62796	9.0040725	9.3879785	7.475432	6.6915405	8.0756825	7.2695245	8.813008
TBX1	4.109365	4.461309	4.39205	4.116945	4.024286	3.920205	4.210609	4.241288	4.046674	4.051984	4.038773	3.896275
RAB27B	3.972199	4.018987	3.909284	3.717952	3.903834	3.911142	3.631388	3.639507	6.029958	3.611106	3.902782	3.757443

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
CHML	4.384574	3.9979975	4.257569	4.645138	5.0523375	4.9662455	4.953247	5.1692175	5.3943085	5.158221	4.148024	5.0913495
HAO2	4.715053	4.862979	4.61002	4.28434	4.870794	4.846493	4.707672	4.634066	4.679542	4.251229	7.814005	4.329965
IGF1	3.765103	3.317532	3.900519	3.583709	4.126801	3.174984	3.135096	3.842474	3.296483	3.14381	3.432622	3.179805
OXGR1	3.781303	3.781303	4.226324	4.239437	3.950042	3.875991	3.607303	4.000528	3.950042	4.253746	4.422724	4.000528
TMEM31	3.588257	3.275948	3.448219	3.426826	3.381429	3.307517	3.089708	3.482115	3.145651	3.265178	3.586146	2.953413
HDAC9	3.6241035	3.464005	3.375412	4.236684	4.108257	4.41374	5.5961415	4.2478475	4.252854	5.4746235	5.282995	5.8334745
KIF26B	4.568674	4.982089	4.795918	4.995405	4.958261	4.497076	4.48911	5.002968	4.936996	4.878016	4.927136	4.728482
VHL	4.0471435	4.2578245	4.56816	4.2461775	4.3619985	4.3947215	4.248207	4.3390515	4.5083655	4.390964	4.468479	4.9320605
DSTN	11.62017	11.89355	11.90636	11.88696	12.5116	12.49594	12.25879	12.63244	11.95399	10.14217	11.98663	9.628983
TFAP2D	4.12591	4.55619	3.971026	4.155797	4.481786	4.53626	4.311821	4.369347	4.269357	4.020017	4.3017	3.925936
LCK	4.9031145	4.932076	5.034242	4.817382	4.932746	4.55459	4.640492	4.6989445	4.6925665	4.6412675	4.876721	4.618204
SPAG1	4.578571	3.54391	5.167807	5.670977	5.548387	6.209215	6.786808	5.542265	7.322552	6.622713	5.93875	5.79692
MTMR3	5.8115945	6.186289	5.802293	5.680554	6.1973655	5.662658	5.3054615	6.03332	6.007167	5.953349	6.2139365	5.660372
PIK3CB	5.3261365	5.0140105	4.8304625	5.045656	5.4767545	5.9560035	5.6636035	5.560013	5.145812	5.360189	5.1827945	5.1037275
LRRC43	6.974428	7.429754	7.025614	7.322953	7.407521	7.225019	7.607029	7.481678	7.417753	6.958858	7.475943	7.061338
GUCA1B	4.944728	5.2527265	5.0411795	5.019775	5.0328995	5.069602	5.081342	4.9679805	5.069053	5.0578195	5.2602695	5.128982
LEO1	8.40996	7.841596	7.862415	8.363039	9.637482	8.24303	8.94277	9.615249	8.049806	8.764871	8.116508	8.775844
SMPX	3.372054	3.165506	3.583888	3.215519	3.187207	2.951445	2.885722	3.351968	3.052211	2.955087	3.017748	2.828702
TMLHE	4.687091	4.303164	4.443618	4.648997	5.353666	5.209415	4.744166	5.34341	4.97426	4.999989	5.303164	5.277286
CCDC12	8.575568	8.548013	8.685823	8.754644	8.635372	8.764603	8.923337	8.617813	8.508453	8.774039	9.036968	8.798536
FAM49B	4.574637	4.275158	4.249341	4.438392	5.117854	5.634934	6.283689	4.925156	5.534122	4.878693	4.844308	4.518314
NOTCH3	7.366496	7.841947	7.328209	7.59242	5.4748565	5.786159	5.457843	5.7023675	6.060084	6.3727935	5.8049875	6.152166
S100A14	4.457802	4.52742	4.48183	4.419164	4.400645	5.358606	4.492411	4.694991	4.256145	4.230995	4.533369	4.373714
LSM14B	4.602296	5.015796	4.680075	4.817749	5.132698	5.846559	5.120553	5.110858	5.811234	4.818994	5.039735	3.990584
MARS2	5.28616	5.080575	5.231324	5.722048	6.925173	8.353281	8.210059	6.801999	6.942833	6.272672	7.883154	6.391431
ACP2	8.166832	7.480167	7.92975	8.039831	7.707424	7.533008	8.069739	7.65415	8.791975	7.992018	8.062925	7.392889
LRP3	6.4620165	6.712618	6.7784125	6.58916	6.9402035	6.5918675	6.382502	6.829425	6.3932185	6.799038	6.9731755	6.677408
PTPRG	6.7947805	6.623098	7.102655	7.29445	8.189069	8.6944185	7.443904	8.162869	7.4762925	7.49314	7.3521035	7.1839745
ARHGDIA	8.2553035	9.674793	7.9182685	7.882764	7.4321095	6.710836	7.6791525	7.1048145	6.9277495	6.785161	6.8055345	6.2925395
MCC	7.046667	6.51115	6.405119	6.9858215	9.309444	8.212338	8.58	9.270257	7.454082	9.0974255	7.9432655	8.7986245

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
ZDHHC5	8.0978755	8.355589	8.5016995	8.22865	7.894725	8.7627355	7.990145	7.97509	7.8072975	8.017609	8.2066645	8.200238
TGFB1I1	10.9888	11.35959	10.90261	10.63612	8.939713	6.362566	8.002081	8.834564	9.669763	9.088873	7.910965	8.865168
VPS52	9.306544	9.213374	9.158888	9.190931	9.242076	8.667466	8.906325	9.169513	8.742673	9.070242	8.877087	9.082488
DNM3	3.488711	2.9848	3.709521	3.632034	4.020204	3.614452	3.96017	3.983029	4.22838	3.842511	3.428289	3.872376
GPX5	3.7923295	3.5983755	3.611383	3.650331	3.8146535	3.542913	3.73345	3.673185	3.6757465	3.677625	3.617422	3.381118
NEK4	5.398035	5.417765	5.711308	5.593936	4.793132	4.578779	5.438456	4.388524	5.799664	5.623971	5.29756	5.65976
TOMM34	9.509456	9.767051	9.081964	9.87384	11.12926	9.92078	9.608891	11.0204	8.953335	9.555067	9.737703	9.720326
FAM126B	4.915263	4.583476	4.790603	4.818131	5.025486	5.597683	6.412214	5.094968	4.461164	5.125161	4.265972	5.826998
SPPL2B	5.6655435	6.0634785	6.2038785	5.8961725	5.7206405	5.977921	5.5539765	5.6722425	5.7552265	5.5799615	5.6099715	5.3241195
LYST	4.9436215	4.907427	4.9299155	4.731863	4.971312	5.025643	4.861225	5.2378195	4.9253195	4.9025085	4.722423	5.1213075
TBC1D17	6.341331	6.894815	6.47178	6.619089	6.236276	6.314118	6.013618	6.096272	6.131819	5.376855	5.820711	5.617558
RNF5	6.492503	6.7575845	6.345188	6.780686	7.0930055	6.4485805	6.8648355	6.9304555	6.907216	6.4204165	6.389328	6.2364595
FHOD3	8.459459	8.322453	8.746465	7.657461	3.655929	6.265698	3.837273	3.915374	7.558821	6.414289	4.81815	6.01866
LAMB2	8.947984	9.131553	9.539337	9.109975	7.543452	8.376163	7.721712	7.413444	8.316933	8.954066	7.33187	9.069636
NPTXR	5.478302	5.10262	5.6764145	5.650935	5.105502	5.0446105	5.3376965	5.1838585	7.176348	6.8866155	5.18579	6.279832
ABT1	8.390099	8.402176	8.208277	8.047577	8.159738	8.855017	8.77357	8.130556	8.395744	7.738654	8.644409	7.63008
NDE1	6.057688	6.046416	6.087457	5.693781	5.980307	5.721139	6.146354	5.950217	5.570037	6.011514	5.809692	5.896635
DBNDD1	5.442161	5.822306	5.034199	5.394197	5.201077	5.627636	4.346041	5.280793	5.160531	4.943826	5.010366	4.921688
PHF12	5.882936	5.949211	5.866314	5.7520305	5.570053	5.8208805	5.5097975	5.5478635	6.320743	5.6733275	5.842093	5.867543
ZCCHC3	4.302277	4.557684	4.175835	4.222282	4.21489	4.143104	4.058496	4.415326	4.556074	3.741735	4.401427	4.086794
PDLIM2	6.7789275	7.043515	6.5236215	6.735353	6.0527965	6.3911625	5.5287215	5.935476	6.594805	5.498444	6.146469	5.173678
SMA4	5.1598315	5.08171	5.131299	4.5078265	5.241331	4.146193	6.095409	5.1579325	5.227016	7.1218585	4.815372	7.225284
CAPS2	2.9029485	2.5532845	2.9665515	2.9366255	2.518681	2.5610515	2.4527035	2.618773	3.2976975	3.928208	2.289849	4.0432225
COG3	5.452562	5.36108	5.926338	6.034463	5.079673	5.567822	4.950301	5.229069	4.634066	5.168212	4.451754	3.99695
PLA2G5	3.57415	3.999361	3.579948	3.938646	3.275189	3.361137	3.188318	3.359303	3.268747	3.471067	3.527427	3.157653
CACNB4	4.268468	4.267228	4.1191815	4.1235985	5.7550465	5.0593595	6.0143565	5.8216035	5.113652	6.820329	4.3713425	6.746159
ACVR1B	4.6020795	4.866001	4.8003355	4.7456515	4.9301185	5.5242445	4.8087205	4.834795	4.547644	4.282453	4.6752045	4.6879715
TOM1L1	5.829358	5.4463575	5.744721	6.037644	6.349948	7.14601	7.695935	6.4032755	6.4683385	7.585794	6.1381365	6.847283
RPL32P3	5.76762	5.215156	5.699528	4.996054	6.515107	5.983676	6.506154	6.520058	5.879058	6.768194	6.739545	7.038962
TUBB2B	3.133372	3.541652	3.954662	3.247669	5.095479	6.355387	5.995477	5.242539	5.738007	5.245384	3.565093	5.317554

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
GJA10	4.300301	4.564469	4.564593	5.172461	4.954056	4.757279	4.623696	5.153603	4.74989	4.993384	5.06552	4.889614
GEMIN7	7.636084	7.830316	8.343602	7.851737	7.924811	8.397742	8.253868	7.851463	8.135222	7.052678	8.377901	7.148899
TMPRSS3	3.516048	3.121008	3.183891	3.200175	3.303347	3.159901	3.3253	3.30774	3.403028	3.199244	3.381429	3.271434
PKHD1	3.372187	3.4503755	3.4676405	3.565266	3.4961325	3.3710205	3.624764	3.574033	3.400869	3.228226	3.5257	3.4880025
CLSTN2	3.054148	3.077209	3.323768	3.49069	3.481892	3.590331	3.43692	3.664549	6.720437	3.880171	3.871596	3.273046
SRI	9.6958585	9.481735	9.379057	9.652991	8.6210225	8.9066985	8.8039305	8.5202955	8.7000075	8.417841	8.509638	7.5593465
RTEL1	6.526966	6.4937755	6.2998655	6.2926215	6.3706745	5.868321	6.6319565	6.3306	6.1494475	6.385837	6.258184	6.2377635
ADD3	10.86734	10.510045	11.01282	10.92356	10.765835	9.5560085	10.22604	10.869455	10.6704	9.696254	8.4071905	9.963451
RPS15A	7.202892	7.547582	7.242783	7.39077	7.92975	8.35913	8.093581	7.839675	7.427181	8.179909	8.2946	8.636624
IL32	5.579301	5.956951	5.165083	5.57003	5.323043	7.422552	5.784967	5.486081	6.50347	6.437868	7.957746	5.478991
MALT1	8.612358	8.918886	8.818362	7.839165	7.186845	7.205707	6.67421	7.072895	7.312576	6.444533	6.579013	5.527082
FOXI1	3.529503	3.915082	3.887738	3.855425	3.973087	3.724586	3.721156	3.860962	3.743841	4.061028	3.730531	3.59352
KATNB1	6.746691	6.96955	6.668882	6.355933	6.294913	7.395727	6.751379	6.246842	6.659902	5.81228	6.502642	6.028052
COMMD3	9.428804	9.458835	9.304237	9.52738	9.423383	9.234398	9.375312	9.405855	9.876968	9.650607	10.23054	9.481437
PTPRZ1	2.750624	2.708091	2.676553	2.303188	2.787235	3.338621	2.747109	2.591337	2.401677	3.10497	6.603451	4.620265
PEMT	7.863514	7.879083	7.693475	8.064885	7.712937	6.05619	8.299687	7.545933	8.047789	8.022122	8.019537	8.209046
NBR2	5.751111	5.7440065	5.1886835	5.8443065	6.455175	6.1371155	5.890067	6.2277165	6.8913405	6.4528205	7.100312	5.8325685
PDGFD	4.963115	5.254256	6.600516	5.9207545	8.6375815	8.854592	6.519818	8.3688255	5.632858	6.500627	5.4118785	6.4909165
SOS1	6.937026	6.765201	7.195029	6.424864	7.708508	6.605449	7.107533	7.773901	6.119466	9.363405	5.908072	8.617774
ATOH7	2.8031595	2.8442875	2.990895	2.9610345	3.0938905	2.793135	3.0289765	3.111962	2.814346	2.822829	3.0361985	2.738825
LRCH1	6.32566	5.989974	6.124777	6.238003	6.799272	5.848499	6.553576	6.602657	5.616032	6.482508	6.056654	6.198854
ZNF644	8.214601	7.979472	8.427313	7.987753	8.0229555	8.409384	8.210522	7.9825565	8.3643055	7.714955	6.7925245	7.4591345
LHX3	4.455338	4.81815	4.539609	4.612831	4.450345	5.04284	4.535047	4.856694	4.730709	4.20983	4.467415	4.111926
GSTZ1	6.921939	7.015877	6.957522	6.950611	7.661968	7.232359	7.594966	7.564618	6.903278	7.240747	7.892795	7.412402
PRM2	3.729734	3.964962	3.628409	4.050005	3.654525	3.683621	3.68407	3.62929	3.78628	3.582922	3.798177	3.415926
ANKRD37	5.7804765	5.966683	5.8550945	6.235783	5.472867	5.2477205	5.8028595	5.5658615	6.1123345	6.309326	5.643931	5.3621725
KLF14	4.246441	4.570676	4.4270725	4.4249955	4.482182	4.2782655	4.318677	4.4925455	4.536825	4.2809895	4.3751765	4.37263
ARCN1	11.38102	11.30834	11.3479	11.3321	10.46604	10.47052	10.35412	10.6137	10.34169	10.09798	10.14862	10.13203
CARD8	5.7785035	5.8187885	5.689614	5.612217	5.822547	5.3333155	5.8830175	5.648976	6.133838	5.6520245	5.6104875	5.569949
EPHB4	6.729209	7.1183825	7.0118995	6.8749265	7.149767	7.196647	7.175921	7.034509	6.634645	7.502478	6.5396225	7.490073

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
BCLAF1	8.489852	8.03285	7.9829915	7.986374	9.116912	8.579519	9.4069135	9.01245	8.080234	7.697342	6.64432	7.7067585
LILRA1	3.3697015	3.719911	3.468373	3.409924	3.4395935	3.3370855	3.450604	3.3869335	3.295277	3.2203775	3.572203	3.2062225
SARDH	4.3693255	4.582578	4.5112955	4.232563	4.358689	4.251107	4.4518165	4.2718725	4.0941485	4.1523195	4.251611	4.1151155
RNF167	8.291637	8.598963	8.645424	8.604835	8.858994	8.947273	8.704279	8.732759	8.580231	8.489048	8.388597	8.101355
IVD	7.183115	6.9307645	7.5305875	7.07687	7.952601	7.6592815	8.1615385	8.0730155	6.919002	7.5517575	7.8790105	7.4188675
TTC25	3.295504	3.657201	3.920424	4.177814	4.110456	3.869916	3.729928	4.045577	4.177814	4.505238	4.917934	4.420226
ADAM22	3.492102	3.5619955	3.6002305	3.473614	3.520211	3.687857	3.57164	3.490794	3.5071165	4.6611465	3.516531	4.045722
NUP210	4.652563	5.168509	4.77205	4.566739	4.59281	4.253402	5.424686	4.727814	4.695247	5.107493	4.765036	4.854806
RGS3	5.981356	5.638176	5.991143	5.865332	4.870205	5.8813495	4.956653	4.974611	5.9501655	5.256815	6.114886	5.12364
RPS7	13.189515	13.298215	13.02588	13.13019	13.30021	13.17666	13.428465	13.27154	12.78209	13.193805	13.27688	13.27229
DKK3	6.558854	7.001876	6.146541	6.531379	7.23231	6.366997	6.245296	7.279141	8.93281	5.973796	7.475785	6.827341
SARM1	5.690984	5.9030095	6.1165775	5.7711885	5.390738	4.9370805	5.326534	5.3922835	6.1801765	5.501158	5.6452225	4.9543545
RPN2	11.55437	11.36004	11.34168	11.57743	11.65123	12.14064	11.76598	11.66568	11.79323	11.88768	11.75634	11.80367
FBXL18	5.927635	6.1368545	6.2825135	6.3723905	6.068258	6.4704055	6.113745	5.908249	6.3592345	6.195097	6.296013	6.0583415
ZNF493	5.498893	4.809813	4.9067435	4.565908	4.9169985	4.0745935	4.376108	4.6564135	4.381484	6.511722	5.013876	5.919346
TMEM86B	4.724573	4.834795	5.169774	4.378482	4.309645	4.47117	4.266822	3.810124	4.391692	4.807348	4.575721	4.979436
CHI3L2	4.529965	4.401079	4.456686	4.823074	5.076864	4.678516	4.5424	5.093798	4.64474	4.764668	5.046363	4.259345
SUSD3	5.207582	5.7729575	5.2438215	5.48011	5.056297	5.1480135	5.7807855	5.0123585	4.8138395	4.4562235	5.0234475	5.0414185
SLC6A17	6.7014805	6.7882645	6.7114285	6.82792	6.8216095	6.651515	6.62364	6.8205755	6.847159	6.514658	6.796263	6.259449
ZDHHC8	6.637749	6.822046	6.672004	6.67391	6.223988	6.3993975	6.3093285	6.177709	6.084972	6.600987	6.046704	6.7858805
HIST1H2BA	2.916967	2.885398	2.892444	2.813324	2.582202	2.723215	2.68798	2.612791	2.899348	2.714898	2.773248	2.772266
SUMF2	7.669616	8.27707	9.147655	9.331982	9.484256	8.542889	9.321148	9.587431	10.29533	9.843091	10.0988	9.71755
SLC35F2	7.564961	7.623292	7.695201	7.69253	8.531574	9.261998	8.859699	8.396442	7.650752	7.405659	8.401069	7.635866
MBP	4.612554	4.849095	4.871916	4.7317835	5.1179115	6.046388	6.0625545	5.12229	5.6481095	4.8875535	5.144655	4.719377
STK11	7.512524	7.437097	7.683186	7.808787	7.649917	8.214771	7.388307	7.666552	7.634985	7.338927	7.530284	7.507946
HOXB13	4.437677	4.8324945	4.147055	4.3097505	4.4328305	4.1534555	4.39141	4.426374	4.3351305	3.975853	4.3585845	4.2945065
SKIV2L	7.815305	8.117453	8.082949	8.389646	8.318975	8.526408	8.206427	8.359413	7.901004	8.285542	7.714062	8.398232
FAM3D	5.112419	5.475948	5.285421	5.390896	5.470113	5.256802	5.197318	5.316627	5.096304	5.061701	5.081035	5.220985
MAGOH	8.6666165	8.6591005	8.643091	8.5783725	8.0582125	8.6906975	8.5313225	7.6807015	9.0892145	8.262914	8.52915	8.2956725
GPR68	5.884915	5.6953055	5.742225	5.663411	5.36886	5.353877	4.974696	5.4230735	5.373839	4.8480015	6.0362815	4.620854

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
TNK1	5.1026205	5.371374	4.873496	5.02203	5.249506	4.7122435	5.024939	5.260603	4.740336	4.819014	5.1189205	4.9275155
CSTL1	3.200902	3.191129	3.109124	3.207212	3.104414	3.463161	3.162946	2.958948	3.145445	3.031403	3.129427	2.599753
DDX17	6.912799	6.764688	6.279666	5.576529	7.236012	6.949626	7.398613	7.140568	5.846117	7.38029	6.796272	7.881226
PMAIP1	6.3942345	6.1060135	5.51422	6.3999475	8.0908475	8.788818	8.4883315	8.1272195	10.873665	9.9127075	10.2574655	9.3638305
PCDH15	2.2514655	2.214444	2.362931	2.3501175	2.3716185	2.41675	2.3319595	2.442488	2.373519	2.301216	2.4469535	2.22327
DNAJA4	5.8153875	5.472475	6.5684285	5.3656545	6.9884985	6.2389915	5.9787205	6.9266465	6.9258065	5.115655	5.3581825	5.6998795
ZNF497	3.478687	3.675903	3.618455	3.613077	3.524691	3.631809	3.392114	3.449223	3.837	3.265178	3.797948	3.449485
PLOD2	11.402955	11.127015	11.633715	11.498	10.0180115	11.673315	10.518455	10.2708995	11.710875	9.7694595	10.50836	9.8522415
BICD2	7.8952825	7.8012525	7.937404	7.571456	8.0899925	8.999372	9.146331	8.054136	7.047972	7.6411675	8.243934	7.6727725
ABI2	8.207201	8.227793	8.54463	8.340888	7.464209	6.760929	7.397749	7.288265	7.65319	7.517381	7.416444	7.356935
TCEA2	6.916708	6.892856	6.699041	7.001704	6.317407	7.112519	6.001703	6.22944	6.415587	6.082311	6.915824	6.01866
CCDC110	3.126934	2.89812	2.620522	3.547104	3.671104	4.335186	5.151701	3.847013	4.048765	3.774734	2.74711	3.218598
PRAM1	3.901505	4.198627	4.633681	3.495545	4.087062	3.653123	3.614851	3.624183	3.631148	3.866302	4.076921	3.616861
GSK3A	6.809774	7.4663055	7.0720765	6.939389	7.0870185	6.964763	6.8525695	7.027144	6.8698975	6.92021	7.0354355	6.8657025
SPZ1	2.651187	2.5633	2.663466	2.583985	2.583674	2.626697	2.529473	2.72771	2.631283	2.664779	2.4321	2.223194
KCNJ10	3.472169	3.610186	3.5393815	3.5181985	3.5452975	3.5766525	3.608856	3.5801605	3.3988005	3.3716395	3.4030175	3.2451215
HOXC6	8.564102	8.021519	8.980089	8.46752	10.51873	8.686598	9.510963	10.47667	3.827418	10.20752	9.258623	9.362926
RABEPK	6.2816835	5.6529925	5.851968	6.2775455	6.506166	7.2627075	6.8660265	6.6067035	6.0540245	6.3984815	6.847435	6.3191085
GNB5	6.3791785	6.4130455	6.26569	6.284829	6.366281	5.788636	5.999716	6.5324805	6.6175395	5.3883045	6.3211695	5.2166095
TUBG1	9.701035	9.606729	9.405502	9.535542	9.994205	9.657643	10.06627	9.939874	9.663695	9.030659	9.499651	9.051096
PLAUR	9.703321	9.956046	9.442109	9.197961	6.852418	7.464546	7.03282	6.755259	9.592324	6.636481	9.71761	5.942087
GPR15	4.464319	4.445724	4.319016	4.5561	4.706555	4.526188	4.611777	4.763927	5.054355	4.62787	5.188695	4.366389
HIST1H2BC	4.249327	4.035583	4.192397	4.408192	8.107015	9.380851	7.266378	8.660204	6.367516	6.146914	8.788904	5.81003
DKKL1	5.799891	6.113693	5.860796	5.80683	5.986652	5.831698	5.776256	5.840777	5.872516	5.574021	5.681906	5.596604
LEMD3	9.159241	9.071686	9.434592	9.335591	9.220781	8.798999	9.16888	9.148523	9.153219	9.158907	9.169216	8.675596
SLFN13	2.4565075	2.6076025	2.3577225	2.385142	2.391949	2.3028215	2.5563175	2.474113	3.097628	2.396952	2.4860065	2.559017
TCP11L2	3.691421	3.863364	3.752564	3.528703	4.397675	3.73864	3.535283	4.175688	3.82367	3.338468	3.681758	3.654722
ZNF417	2.611248	2.793616	2.746574	2.578486	2.433059	2.482119	2.559297	2.355924	2.33628	2.324606	2.700738	2.533685
GABRA2	3.48619	2.791183	3.151852	2.772288	9.999855	8.112004	8.213953	9.925419	3.24667	7.128867	8.734303	6.210161
STARD6	2.863929	2.819845	3.09181	2.777458	2.4784	2.711414	2.702965	2.945819	2.729647	2.749601	3.090957	2.374626

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
CNGA3	6.917338	3.545239	3.835997	3.665175	4.103163	5.71494	4.27483	4.131802	3.39213	3.477649	5.137337	3.357933
ADRB1	3.114586	3.471165	3.126138	2.827301	2.983169	2.832141	2.64719	3.060295	2.959928	2.917013	3.085752	2.612829
FJX1	7.427359	8.119713	8.223376	8.005625	7.990239	9.298643	8.23187	8.026984	8.206224	7.069648	8.55542	7.262852
APBB1IP	6.148483	6.938488	5.2702	5.368654	4.215699	4.41083	4.159297	4.375267	4.314388	4.288109	4.192657	3.860471
AP3M1	7.755291	7.4396015	7.742978	7.6352885	8.0702005	8.492359	8.152374	8.0093455	7.836356	7.627535	7.49466	7.700387
PRRT3	6.541723	6.12008	6.441558	6.550818	6.082517	5.926558	6.012329	6.200423	7.322659	6.648427	6.383523	6.581806
PIK3C3	5.402392	5.162735	5.521089	4.681877	4.511178	6.186069	4.638384	4.389278	6.068233	5.022301	5.20826	4.957077
AMN	5.07246	5.232265	5.331157	4.886771	4.967537	4.886928	4.594856	4.988844	4.754177	4.51764	4.765149	4.3104
FOXK2	6.167541	6.3402475	6.649873	6.360003	6.7693775	7.345372	7.0267915	6.584532	6.6193525	6.105197	6.56737	6.185706
PILRA	4.3248945	4.660926	4.29167	4.468993	4.1520095	4.1456025	4.137031	4.0916075	4.2296415	4.175384	4.200003	4.272804
ACSL4	5.660012	4.75156	5.763327	4.421732	3.458674	3.648367	3.560104	3.884851	3.613894	4.138322	3.653034	5.046635
EPB41	4.1568545	4.5147105	4.3305995	4.191291	4.2561275	4.454134	4.6518575	4.3397	4.3348735	4.3948195	4.4490715	4.387716
DEFB126	3.072053	3.3693125	3.114114	3.4070215	3.0935955	3.2370655	3.4130815	3.2222935	3.2211125	3.236781	3.166526	2.9950025
STK17B	5.668727	6.1913465	5.6653405	5.9059115	5.7769435	6.1289685	6.558074	5.58209	7.3118275	5.072164	5.29078	4.397622
ZFP42	2.690535	2.831683	2.745151	2.850811	2.819125	2.82732	2.937445	2.810658	2.770007	2.948627	2.935376	2.815729
CFC1	4.5790685	4.5876985	4.3987925	4.5105705	4.458571	4.575241	4.5916555	4.488987	4.4347535	4.434484	4.5715575	4.405923
DDI1	3.269119	3.707489	3.533938	3.497794	3.562024	3.340427	3.390525	3.332715	3.500514	3.26571	3.683075	3.245375
ATP6AP1	9.169538	8.973698	9.078562	9.606236	9.870494	10.53503	9.705575	9.896585	10.72222	10.25067	10.7945	10.05846
NUDCD3	4.764388	5.140393	5.011295	5.266002	5.003822	5.032373	5.287206	5.19664	5.17655	5.153988	5.223321	5.030465
ATP2B2	3.4998055	3.592565	3.7938385	3.5450705	3.505194	3.6312615	3.4440755	3.544934	3.6075925	3.22172	3.581074	3.2581045
MIDN	4.455338	4.783712	4.546633	4.319437	4.83209	5.361348	4.608319	4.34188	4.544666	4.244629	4.825161	4.02136
ZNF555	4.157688	4.1322715	4.0972075	4.240861	4.2729515	4.1716655	4.1502285	4.345154	4.752651	4.382543	4.028976	4.4593625
MASP2	4.300462	4.585925	4.369637	4.289321	4.537817	4.300699	4.209444	4.439404	4.369653	4.230531	4.266855	4.402278
LRRK2	3.876333	4.196065	5.594184	4.77357	3.393504	3.49267	3.177697	3.456485	3.811363	3.237539	3.315786	3.233307
UPF3B	7.94192	7.476406	7.510779	7.765986	8.431202	8.974427	9.014019	8.207204	8.915624	9.106232	7.671834	9.044888
KLHL18	6.440362	6.122354	6.271128	6.652651	7.24614	8.030995	8.515566	7.155016	6.327928	7.324932	7.52029	7.175113
KNDC1	5.238729	5.602777	5.016659	5.383189	5.248816	4.944352	4.966858	5.218557	5.037947	4.986686	5.15574	4.957279
CDH10	4.898316	4.204621	3.910894	6.099979	8.353901	6.894864	4.474608	8.801307	3.588753	8.884679	4.838924	8.74818
GFI1	3.398143	3.957094	3.613127	3.263197	3.190342	3.168445	3.227153	3.167453	3.374912	3.04879	3.21951	3.038498
MFAP2	9.900853	10.89463	10.42026	9.813371	9.614971	8.080915	8.138417	9.154396	10.6188	10.69385	9.551051	10.15971

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
FBN1	11.46444	10.89091	11.89144	10.55643	10.73776	10.6425	9.252762	10.8225	10.00904	9.103477	9.852807	9.417269
MAPK10	4.4944375	4.6572075	4.524005	4.50776	4.7501925	4.65668	4.6148215	4.893827	5.4501495	4.597475	4.8402435	4.4587605
DHCR24	6.656236	7.15572	8.347252	8.99881	9.900722	10.41521	10.33154	9.742091	8.975622	8.675606	8.557619	8.603767
TTC23	4.3737965	4.6895	4.3954935	4.6211335	5.0917105	4.817222	5.279946	5.018706	4.149477	5.006873	4.489193	5.1675775
COX5A	8.09961	8.0004665	7.9668755	8.1956305	8.960433	9.5428685	9.4714915	8.890154	8.5903905	8.6819175	9.009184	8.7345655
S100PBP	7.8830045	7.200233	7.44792	7.6951895	7.7081205	6.5787315	7.5573765	7.666083	8.0431355	7.463804	7.438032	7.375826
ARHGAP20	5.4555815	5.6285495	5.017609	5.3478035	4.328143	4.4881935	4.438895	4.432166	5.248664	4.296707	5.158807	4.3948025
CLDN8	3.396303	2.670022	3.299182	3.062155	3.094474	2.692894	2.941544	3.079851	3.001049	2.955087	3.017748	2.579512
LRRC55	3.129455	3.376798	3.489924	3.376798	3.47322	3.294379	3.582491	3.498499	3.173908	3.094481	3.232394	3.937006
CASP5	5.204742	5.152283	5.133281	5.235663	5.152867	5.253213	4.748381	5.199587	5.339865	5.312733	5.970265	5.226753
PAFAH1B2	5.810919	5.620823	5.762459	5.888381	6.038986	5.793084	6.269904	6.438884	5.294747	5.313792	5.463955	4.666132
TIMM23	9.506777	8.910609	8.942917	9.391421	10.19616	10.34189	10.19301	10.15429	9.90277	8.71067	10.23121	8.645656
SSR3	8.952329	10.267965	8.857425	9.933516	7.9843965	9.307831	8.7923125	8.065671	10.093523	7.920413	8.6751375	9.5432405
PPHLN1	5.43007	5.334388	5.6737	5.433993	6.593277	6.978861	7.220483	6.493387	5.980619	5.396702	5.962658	5.460271
DNTTIP1	8.573035	8.91419	9.202188	8.455144	8.522196	8.2566255	8.531362	8.4374615	8.3972875	7.8789295	8.712293	7.6648815
CYP4X1	2.363787	2.429348	2.575047	2.32903	6.867785	7.942513	10.21873	6.779169	6.706256	10.03261	5.000432	9.87429
GCKR	5.376319	5.104002	5.657396	5.036173	5.184692	5.095521	5.020342	5.154051	4.902305	4.969054	5.165233	4.934022
CTNS	6.55478	6.15236	6.151958	6.272356	7.132368	6.188972	7.096066	7.164649	8.679618	6.552259	6.9151	6.448802
EPHA4	7.273794	5.80022	6.916255	7.497243	6.803238	7.433785	6.099972	6.731687	5.1565	6.409671	8.587093	7.077039
LMAN2L	7.985416	7.454333	7.845917	8.395176	7.864422	8.351217	8.251481	7.930737	8.355664	8.205488	7.924567	8.191868
UGT8	2.870967	2.602049	3.4155235	3.31184	7.9713695	8.466644	8.399674	7.9210605	7.0577	7.2242415	6.458987	7.290889
CDS2	7.09281	6.801969	6.946255	7.049493	7.162389	8.147492	7.733886	7.171779	7.386856	6.509111	7.512154	6.872819
PMVK	7.708529	7.627126	7.220255	7.831292	8.187201	7.931632	8.709859	8.13707	8.305241	7.855513	8.560106	7.824783
SRP9	12.13946	12.12123	12.04413	12.25239	12.3913	11.69887	12.12095	12.31311	12.09148	11.62045	11.57436	11.13737
LRSAM1	5.854988	6.3325785	5.4229235	5.0978985	5.4467485	6.4671135	5.435766	5.3498255	5.585987	5.2658065	5.7544225	5.295076
SLC4A3	5.313053	5.995568	5.730209	5.566112	5.197541	4.884873	4.864339	4.922349	5.244752	4.462769	4.846899	4.537817
ALMS1	6.733577	6.146174	6.689054	6.581252	6.497305	5.733406	6.86147	6.453651	6.452581	7.203341	5.87049	6.821371
WDR35	6.0412235	5.674049	6.302256	5.3270075	6.7668465	8.1212635	8.1822245	6.756829	6.7496025	7.769102	7.269544	7.275793
F7	5.7172625	6.048981	5.6803815	5.5485235	5.4611385	5.6064895	5.325675	5.483817	6.0414855	5.496086	5.5795845	5.241346
KRTCAP2	8.124873	7.9592955	7.8203645	7.6393665	7.6893325	7.4276395	7.3877135	7.545558	7.4560675	8.08401	7.9020765	8.1106425

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
CD9	4.422212	4.613353	3.722439	4.238694	4.35487	4.055315	4.180346	4.279554	4.190865	4.217222	4.476875	4.180488
CAPN11	4.599083	4.922625	4.481103	4.661199	4.561758	4.523251	4.382032	4.489945	4.394851	4.559391	4.485848	4.289086
ADIPOR1	8.762949	8.977531	9.014303	9.028138	9.419959	9.565172	9.444749	9.410311	9.161515	8.952498	9.242835	9.009625
DPEP1	5.58667	6.265221	6.06406	6.06286	5.796054	5.48846	5.444086	5.702759	5.528878	5.371976	5.695532	5.315168
USP9X	9.357978	8.739736	9.271463	8.830474	8.837335	9.958179	8.404402	8.909659	9.590119	8.516607	8.028366	8.662075
PYCR2	7.585716	7.8629275	7.6380895	7.4579075	7.920298	7.7522665	7.861024	7.8129215	7.503686	8.0880695	8.259691	7.8801205
CDC25A	5.47815	5.534363	5.329229	5.265326	5.3011	5.365197	6.547963	5.247265	5.12164	5.365004	5.244055	5.347311
MAF1	8.993237	9.322237	9.004474	8.852072	8.282002	7.856796	8.091278	7.973935	8.335513	7.798345	7.983876	7.868421
PYGB	6.3740745	6.517254	6.759783	6.918227	6.3505735	6.8538055	6.392474	6.265683	6.8249165	6.354489	6.791519	6.4384405
WDFY1	8.9026985	8.853915	8.6134745	8.933039	8.198159	7.6245415	8.279226	8.1863675	9.539098	8.4381995	7.8952455	7.956023
SPATA1	2.980418	2.480046	2.580061	2.413514	2.691839	2.485088	2.397079	2.564749	2.617882	2.401494	2.226768	2.655056
TMTC2	4.545944	4.2180535	4.816096	4.4189305	5.6728125	6.9518715	4.988719	5.5254005	6.1380845	6.2958895	6.79279	6.979571
ZNF468	6.27922	6.103057	6.779863	7.469587	8.051097	7.061897	7.236828	7.879071	8.391698	8.124934	7.993376	5.846291
FUT10	5.239488	4.917251	5.050575	5.376985	6.130251	5.677152	6.139681	5.930219	5.062366	4.935888	5.466263	5.005895
FMNL2	5.595714	5.923142	6.724593	5.248788	6.269903	6.751143	6.245071	6.128134	5.611111	6.169922	7.610264	6.919774
GPT2	6.491169	6.80497	7.177418	7.070209	5.590027	5.96935	5.883035	5.52095	6.644495	7.431088	6.747115	7.130592
PROZ	5.560465	5.372531	5.677033	5.356701	5.065258	4.836667	5.128034	5.210999	4.862302	4.701762	5.171908	4.844665
SCMH1	7.72175	7.953933	7.749786	7.542507	6.344077	5.834198	5.950116	6.145195	7.088871	6.555864	6.402759	6.519633
GATA3	3.991045	3.791256	3.716545	3.938646	4.526185	3.91817	3.718881	4.888374	3.680226	3.660766	4.162802	3.676057
OAF	6.8310505	7.187565	6.6465575	7.272467	7.0246115	7.055903	6.6195735	6.8364005	6.0769205	6.323871	6.8323485	6.3415285
SGTA	7.124002	7.166557	7.557148	7.568038	7.773215	8.306643	7.946836	7.509751	7.265322	7.588536	7.709691	7.637613
SLC43A3	8.0559975	7.821856	8.3745125	8.009712	6.49686	6.4339315	6.3220235	6.255916	8.638793	6.8316685	6.845186	7.5915325
NET1	8.082658	9.662414	7.9943175	9.014697	8.7584305	8.7499675	9.650104	8.6528425	5.9301265	8.774144	8.9860295	8.9110205
CPEB4	6.8973095	5.748493	6.0583525	5.963358	6.190222	7.251393	6.6266005	6.1787315	6.981923	6.242783	6.4697	6.442854
TUB	6.263958	6.9222605	6.4967085	6.6205185	5.9085825	5.5642295	5.726082	5.772189	6.377561	6.0694755	5.750469	5.881311
S100A9	4.216102	4.387756	4.632894	3.717391	3.884089	3.713804	3.914915	3.77074	3.733812	3.933095	3.9359	3.669996
CHM	5.654558	6.171477	6.169208	5.003031	5.720016	5.986858	5.644175	5.964702	5.930577	4.583679	4.878556	4.427113
BAG3	10.68388	10.46028	10.36699	10.28073	10.45126	10.47045	10.17922	10.46429	9.523692	9.36993	10.50186	9.2365
OR7A17	3.916282	4.177094	4.624828	4.360144	4.254802	4.234396	4.056859	4.337222	4.149897	3.914258	4.43268	3.764758
ZNF449	6.1976255	5.8021785	5.6362545	5.7285365	5.6994245	5.30738	5.741445	5.73565	5.8284895	5.8312035	5.846995	5.904267

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
MYOZ2	3.922826	2.701988	2.987518	3.030911	2.520836	4.242445	2.606736	2.656881	3.322801	2.733307	3.381429	2.243151
CD84	3.9294255	4.022396	3.9276155	3.8465585	4.0339305	3.677319	3.74195	4.04663	3.9728385	3.5099005	3.9398245	3.8394265
ZFP1	3.291743	3.548647	3.32743	3.348971	3.516406	3.534267	3.285771	3.273129	3.067797	3.173553	3.449665	3.101723
TRIM25	8.156047	7.7727105	7.8736015	7.6936875	7.2421655	7.579835	7.4336105	7.193391	7.7944945	7.387727	8.5339565	7.3084915
PIP5KL1	4.922009	5.028959	5.116965	5.147923	4.828319	5.135609	4.587571	4.831574	4.981136	4.69042	5.325301	4.584573
LTBP1	10.3150075	10.083148	10.733555	9.6396185	6.1422115	8.951495	6.8765105	6.020373	8.256969	7.538847	5.8800095	7.101378
GATA4	4.521217	4.494412	4.489561	4.446805	4.293411	4.613843	4.454416	4.550861	4.335342	4.359736	4.685424	4.345664
LZTFL1	6.0330605	5.8991035	5.925349	5.827138	5.9881005	6.373574	5.722838	6.045389	6.3113945	5.232052	6.228755	5.461797
DICER1	5.803133	5.022651	5.2593785	4.968033	4.686824	5.7739175	5.332511	4.6207795	4.825845	5.337717	5.4722115	5.657312
SPACA4	5.071656	5.474475	4.963422	5.360806	5.238391	5.052361	5.229941	5.366723	5.135627	4.717272	5.182348	4.589252
F11	2.666032	2.713798	2.459578	2.684079	2.636004	2.645621	2.433899	2.626011	2.42538	2.526493	2.60436	2.644009
PYCR1	9.033154	9.635263	9.104807	9.196751	8.038402	8.94339	8.835546	7.845425	9.002827	8.971142	9.155409	9.382849
TNPO2	7.145585	8.267567	7.640454	7.723028	7.798513	7.671677	7.807937	7.638958	7.054463	8.36048	7.487423	8.437782
CASKIN1	5.262081	5.900885	5.185225	5.230703	5.308289	5.227727	5.156538	5.445374	5.328429	5.174167	5.223516	5.227934
GGA1	6.541367	6.394302	6.623434	6.484037	6.493186	6.798721	6.613734	6.520468	6.599833	6.578405	6.763484	6.923767
STAC	7.118835	7.490926	7.711751	7.149546	8.421288	8.558042	10.56717	8.371641	8.315333	8.809044	8.066098	8.881409
FOXD3	3.277974	3.625087	3.50834	3.474518	3.692136	3.863363	4.0053	3.732859	3.732859	3.692111	3.692378	3.183554
BRD1	7.389439	6.91745	7.77559	7.6982105	7.698325	7.691922	7.8371375	7.685707	7.971474	7.9575785	7.9032695	8.2658595
RPS5	13.13846	13.1348	13.18239	13.16947	13.4278	13.17296	13.48199	13.41918	12.75068	13.10485	13.31038	13.02959
UNC45A	7.11943	7.101763	7.019146	7.229598	6.97164	6.889308	6.9141445	6.99928	6.9598145	7.19575	7.021747	6.925078
ACOT7	8.012892	8.000087	8.4714035	8.290805	7.857891	8.386383	8.7211245	7.8176035	7.869983	8.415306	8.985513	7.6659955
EIF4B	10.43946	11.0806	10.70174	10.4521	11.22934	10.66638	11.23423	11.10633	9.160975	10.76156	10.13859	11.19481
RAD23B	10.1371635	10.253486	10.259694	10.323655	9.6561285	9.9295125	9.8708775	9.4574425	10.5661	9.2306405	9.298232	8.9611605
NPEPPS	9.475977	9.647229	9.333088	9.0118	9.589027	10.14161	9.418493	9.646184	9.162714	9.227704	9.317299	9.119466
ALDOB	3.107562	3.296911	2.978824	3.053437	3.303002	3.080513	3.205619	3.175592	3.274114	3.015983	3.331392	3.395335
FBXW11	8.2056975	8.2389905	8.0155325	7.8640405	8.1979275	8.8723555	8.3105785	8.097119	7.746008	6.7802165	7.5777935	6.958351
TMPRSS4	5.096139	5.47206	5.200581	5.257317	5.026537	4.868417	4.935505	4.941296	5.039172	5.06034	5.059629	5.081062
COL4A1	8.802552	8.589964	10.54023	8.533415	9.60737	8.5444445	4.111233	9.6787735	12.010475	9.3295005	10.520294	8.6162425
SLC25A25	6.526588	6.864801	6.416569	6.444349	6.219051	7.360956	6.420645	5.798418	6.556377	6.445939	7.077742	6.519542
LARP1	7.775819	8.7655225	7.6809965	8.60266	8.035798	8.4270365	8.2956455	7.7501475	7.52086	8.5012805	7.9121475	8.4498735

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
ERCC1	8.640942	8.281038	8.768248	9.16008	8.283203	7.517667	8.223887	8.250608	8.460297	8.861515	8.120749	8.878514
VPS4B	9.50928	9.373533	9.465055	9.471275	9.413065	9.888567	9.001778	9.503392	9.320916	8.623216	9.849831	8.657257
LCN2	4.762701	5.769317	5.352155	5.021304	4.875247	4.977334	4.671778	4.895319	4.803436	4.799104	5.161062	4.601711
BBS7	7.1684675	6.3681455	7.1401235	7.0927285	6.82389	7.9220055	7.469517	7.029314	7.533389	6.6375725	6.45577	6.5489055
AJAP1	4.228815	4.3841535	4.3120685	4.383482	4.1611715	4.2520485	4.183035	4.023585	3.954605	3.9990875	4.36215	4.059207
DEFB1	4.278327	4.58627	3.568936	4.333349	4.255623	4.095753	4.072437	4.136836	4.252495	3.881793	4.20091	4.052037
LCE1E	5.9552365	6.0400145	5.9475685	6.332132	6.367464	5.8831305	6.2802265	6.479499	5.991471	6.0159655	6.2983715	5.9515905
ASCC2	7.257362	7.301512	7.174318	7.440574	7.683084	7.912238	7.262253	7.884678	6.609751	7.422064	7.673333	7.493259
PABPC3	12.27722	12.5359	12.22404	12.31872	12.72097	13.13313	12.73132	12.78143	12.3557	12.66631	12.74256	12.87894
TPM1	11.469805	11.202078	10.7471265	11.0740685	7.9892925	6.725682	7.8638195	7.9120495	9.7256755	7.699411	7.3096745	7.18657
OPCML	4.9574485	4.8150415	4.9779835	5.686831	3.922791	4.956332	3.994419	3.9079935	4.502906	5.8337845	4.0525135	4.0929335
PSMB2	6.6676855	6.5401485	6.360271	6.411885	6.750644	6.9379025	7.111396	6.9251935	6.773439	6.1568675	6.570006	6.7031485
CALCB	3.457769	3.334573	3.401903	3.258992	3.435974	4.046311	7.271515	3.371453	3.312474	5.258378	3.424217	4.996958
INSRR	4.798682	5.141436	4.531288	4.958025	4.621806	4.82192	4.390662	4.686906	4.473331	4.487373	4.687901	4.533572
CMTM7	6.172792	5.983259	6.557902	5.845077	5.9182595	6.4893585	6.075473	5.8158975	6.1781195	6.338089	6.7030275	6.686111
HEBP1	9.436399	9.496359	10.07018	9.920441	9.109207	9.999112	9.564934	9.031137	10.19478	9.171802	10.28817	9.699024
RABGGTA	6.839385	7.224	6.855536	7.260602	7.219167	7.76576	7.244656	7.388927	7.115021	6.767929	7.430707	6.748955
CPA6	2.527888	2.5850125	2.646285	2.775239	2.697536	2.548916	2.851209	2.4743525	2.670428	2.3271615	2.574386	2.595824
FBLN1	8.614788	9.421187	9.23287	8.129711	8.477858	6.093426	5.48908	8.241177	7.815811	5.836471	5.17733	4.841038
CORO1B	7.2772675	8.0000835	7.5958915	7.899639	7.8110645	7.411217	7.4166285	7.6386775	7.5438975	7.7902955	7.227385	7.5454085
PTPN7	4.5532135	4.755024	4.596121	4.5136155	4.692653	4.5714055	4.4517525	4.904121	4.509996	4.6674645	4.7660145	4.4967615
INPP5D	4.809891	5.02877	4.719078	4.991026	5.348652	5.920822	5.274636	5.022036	4.702148	4.725332	5.731196	4.743671
CHRNA1	3.5379895	3.471941	3.4362795	3.5594175	3.3868075	3.4272165	3.2680415	3.652539	6.5979815	3.536512	3.6344795	3.472527
IGFBP4	10.77022	11.63148	11.42434	11.48826	8.862815	8.673907	5.987671	8.203858	8.863114	7.242791	8.163578	7.558009
TTL	7.6827975	7.422439	7.615856	7.612488	7.366422	7.339884	7.2229935	7.3333145	7.2300755	7.2880005	7.3550395	7.355396
GKAP1	3.32964	3.416078	3.495198	3.591548	3.30581	3.405055	3.364015	3.451454	5.075555	4.268798	4.11274	3.642888
ARHGEF10	5.454672	5.2430295	5.8766015	4.5594115	4.5294685	4.501417	4.768561	4.302972	4.526969	5.4833965	5.053347	6.254795
MSH4	2.87524	3.008415	2.884366	3.123748	3.185229	3.109452	3.074361	3.093113	3.045012	3.30671	3.011246	2.786166
FAM47C	3.2856	3.260329	3.177446	3.004903	3.060942	3.080945	3.048113	2.955639	3.140602	3.077556	2.940145	2.964676
IFT88	7.550901	7.04662	7.749083	7.369262	7.691375	7.056776	7.573419	7.675051	7.193113	7.537017	7.132332	7.37544

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
CASZ1	4.306239	4.592452	4.049021	4.073183	4.356142	4.309645	3.950562	4.278966	4.131723	5.184372	4.5097	4.850764
FGD4	2.853099	2.930435	2.836812	3.113235	3.330361	3.050141	3.123324	2.870402	4.488445	2.83518	2.964047	4.45716
OSBPL11	6.851792	6.546507	7.079699	7.02385	7.489395	7.785947	8.511812	7.323036	7.636933	7.681181	6.758094	7.419131
INHBE	3.109601	2.938174	3.935184	3.569169	3.383175	4.905802	3.509393	3.438566	9.215708	3.509393	5.07093	3.381536
DUSP5	9.563229	9.632542	8.238608	8.633934	5.906188	7.996917	6.309853	5.960809	10.5049	6.641448	8.298881	6.491851
PPP2R1B	7.643283	7.000141	7.02868	7.583971	7.637831	7.618012	8.185468	7.627637	6.606496	6.298268	7.129631	5.650226
SH3TC2	3.258853	3.329749	3.402974	3.504238	3.33081	3.211151	3.470231	3.415259	3.200781	3.385913	3.488372	3.148363
FLRT3	5.2661795	4.2781205	4.705772	5.392744	4.8682115	4.6810615	3.360725	4.896117	5.518984	3.7495565	3.57014	4.296372
GALR1	2.808372	2.899128	2.511872	2.666417	2.816146	6.312507	6.326651	3.012877	2.829336	2.693393	3.109924	5.268012
HERPUD1	8.4760055	8.2005635	7.9780045	7.796515	7.690133	7.7355835	7.7958175	7.65974	8.5448265	8.239898	8.340443	7.951
RHOF	5.0957205	5.300399	5.244867	5.22807	5.5271725	6.8885295	5.68916	5.469192	5.618755	4.7614745	5.4198375	5.1415515
PTRH1	5.4235925	5.432245	5.5493825	5.3040415	5.567809	5.7572095	5.402906	5.543897	5.4232465	5.470539	6.3684905	5.9318685
IL23R	3.1008255	3.0984715	3.208838	3.1870595	3.0257865	3.1483675	3.247847	3.0718	2.990593	2.928358	3.080442	2.9596675
RIMS1	4.289689	4.656488	4.505777	4.970403	4.082061	3.709048	3.737493	3.904076	5.80158	3.766191	3.94704	3.663035
ADNP	9.209819	8.6721745	8.9018625	9.0293375	9.2897805	8.410807	9.3214815	9.2621195	9.7056735	9.5572795	8.6157015	9.3546035
SERPINB8	7.0686285	6.790566	6.944729	6.932321	6.2426625	6.909539	5.791715	6.4451915	6.7256675	5.3341455	7.072433	5.354976
NEK10	4.261811	4.109533	4.260732	4.290455	4.151106	3.567391	3.567391	4.050181	4.093329	3.673923	3.676057	3.342009
ASL	8.884206	8.714658	8.804393	9.105143	7.61024	7.555972	7.950226	7.53268	7.649243	7.031301	7.757667	7.470235
SPARC	12.208545	12.23327	12.15354	12.342965	11.72472	11.70394	10.980226	11.75878	12.01286	11.25661	11.4831	11.38302
SPANXC	4.504922	5.047849	4.396124	4.600122	4.414305	4.560779	4.172878	4.381059	4.44528	4.481108	4.583758	4.36639
SLC45A3	5.2418085	5.2224465	5.0726715	5.0641855	5.446267	5.9824565	5.900877	5.2167325	5.467926	5.0629955	5.667893	5.1401945
LAMC3	5.1282555	5.1128465	4.8443075	4.8966205	5.409344	5.2673715	5.416383	5.428915	5.179193	5.2208485	5.4248785	5.4231615
MYBPH	4.254515	4.309647	4.285772	4.271273	4.37681	4.455796	4.214543	4.392335	4.36348	4.132846	4.295147	4.188585
GJA8	4.84404	4.928507	5.0022	5.08533	4.714456	4.711778	4.932879	4.764668	4.728644	4.061634	4.580667	4.736556
MMRN2	4.048019	4.711963	3.754655	3.978137	4.030089	6.955974	4.574861	4.048019	3.812326	3.700173	4.051261	3.565094
PSAT1	9.3225925	9.251896	10.283787	10.1008335	8.903441	9.4806325	10.38545	8.799336	12.007485	10.769625	12.025715	10.355807
SLN	4.52215	4.935923	4.67356	4.901084	5.446122	8.59174	5.528409	5.400617	4.733059	4.794268	7.982581	4.899023
MXRA8	8.1929735	7.9374545	7.8794075	7.957263	7.4502825	6.2005905	6.29293	7.1187865	6.795889	6.4677925	5.704789	6.1704585
KCNJ11	4.789445	4.997771	5.009549	5.031415	4.883147	4.694545	4.818151	4.850685	4.738764	4.525555	4.969066	4.38871
TSNAX	8.453951	8.638832	8.589417	9.550463	10.39215	9.770521	9.890715	10.40591	9.673014	9.382072	9.361589	9.600515

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
DNER	6.389769	3.32975	4.096617	4.607495	4.95585	7.45934	9.042837	5.059411	10.0973	7.845872	4.360065	6.472568
FCGR2C	5.587444	5.534968	5.680068	5.757619	5.426181	5.613231	5.565661	5.587371	5.412619	5.204925	5.716022	5.090475
PCDHA6	3.023282	2.682969	3.239765	3.196936	3.015469	3.05402	2.869382	3.076123	3.265177	2.944104	2.969877	2.667737
ALDH5A1	3.509993	3.6471965	4.1625445	3.768853	3.904023	3.996549	3.694836	3.9168865	5.758336	5.7451205	5.1182505	4.7087295
FLNB	9.9593145	9.554243	9.8898775	8.8941595	8.734436	10.5196045	9.145665	8.8570265	8.7356025	8.8715725	10.86519	9.376428
SSTR5	3.696969	4.623145	4.536961	3.745158	4.16831	3.865218	3.992523	4.079679	3.608253	3.850036	4.071498	3.852366
HLA-DQA1	4.422602	4.535294	4.343795	4.820444	4.767314	4.607106	4.779497	4.807714	4.731714	4.513864	4.688283	4.025154
HTR4	3.542692	3.35693	3.131658	3.226435	3.31238	3.257664	3.447014	3.342151	3.160136	3.033814	3.073631	3.268199
OR1E1	2.530538	2.359052	2.55856	2.560335	2.467314	2.381498	2.385499	2.62248	2.535387	2.468591	2.591834	2.375332
XYLT2	5.04352	4.5923935	5.0610945	4.871833	4.376268	4.81918	4.483757	4.405175	4.8580235	4.910316	4.7933345	4.8503215
GPR63	3.696969	4.022276	3.372054	3.508105	3.80444	4.184065	4.815679	3.456853	4.071577	3.813772	4.402891	4.331325
ZNF343	5.935664	5.744408	5.8392255	5.8549115	5.642103	6.68442	6.1225775	5.496066	5.7867985	5.790258	6.596479	5.8184745
CYP1A2	5.759486	5.7740025	5.6184365	5.5741035	5.7197705	5.5556595	5.592596	5.684255	5.5603975	5.5362445	5.7827835	5.5068385
BCORL1	5.0360685	5.30287	4.917694	5.053048	5.070005	4.90714	5.0826915	4.8822015	4.7524295	4.6387885	5.029699	4.691448
TIMM44	6.72326	6.8172775	7.2319065	7.446326	8.2585935	9.1449315	8.988468	8.1023825	8.1751595	8.2340905	8.954854	8.361794
MYL6	9.8069385	9.783288	9.8589585	9.7673615	9.683517	9.122359	9.537432	9.7575625	9.2742685	9.493438	9.455859	9.1487955
SIAH1	7.016091	7.006149	7.125842	7.040722	7.495853	6.528805	6.867997	7.19967	7.749154	6.621087	7.361993	6.251031
SYVN1	7.804325	7.51542	7.785113	7.433812	6.727029	7.335111	7.218735	6.662964	7.260571	7.013011	7.287155	6.968882
PPP2R5D	7.9877385	8.0429035	7.762347	7.9701355	8.326148	7.937127	8.3450875	8.399526	7.843546	8.0218855	8.0859005	7.7001535
KRT12	2.439873	2.695224	2.651398	2.695224	2.586413	2.663686	2.854265	2.700737	2.616282	2.718099	2.54861	2.965574
AGA	8.319349	7.911058	8.707245	8.507181	7.747543	7.196517	7.409389	7.597775	7.380642	7.290718	7.349168	6.964958
EEF1A1	13.66066	13.76679	13.758435	13.813435	13.900075	13.912245	13.839635	13.940055	13.93093	13.9236	13.915425	13.929605
NDUFAB1	11.15651	11.0695	10.81936	11.24129	12.39729	12.58101	12.44453	12.40137	11.62658	11.69853	12.02902	11.59739
EBF2	5.567335	3.535047	3.85931	5.577309	3.367811	3.30376	3.158862	3.187673	3.216656	3.001711	3.513838	3.390916
ACP1	9.47808	9.268918	9.316871	9.4522255	9.7494715	9.8376475	10.38629	9.7209925	9.3787315	9.601724	9.947701	9.7619625
WNK4	5.234412	6.4088785	5.5141455	5.903708	3.6630655	3.6746085	3.506106	3.7604045	3.549133	3.526592	3.530917	3.5449925
TMEM45B	4.019725	4.2874055	4.1211155	4.22744	4.2900985	4.36004	4.2277325	4.251294	3.967578	4.027471	4.200141	3.9753455
DBT	5.7760215	5.672175	5.4891045	5.9027905	7.011929	7.0070825	6.6972415	7.0417565	6.235478	6.2063735	6.12059	6.71381
AMACR	3.569958	4.171181	3.975907	3.872396	4.2818	4.579271	4.330727	4.524283	4.167969	4.075559	4.1702	4.440046
WNT10B	6.038833	6.290779	6.191568	6.143898	6.052598	6.612792	6.166578	5.945216	5.623834	5.857951	6.077809	5.97099

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
ZNF75A	7.412059	6.795464	7.326607	6.928763	7.178557	6.494346	7.551168	7.160268	6.909036	7.879745	7.045795	8.592777
OGT	7.9541205	8.2253075	8.6050095	7.6281785	8.2199835	8.300912	8.320848	8.111014	8.784014	8.809038	8.403822	9.278956
BRWD1	5.590019	4.841785	5.435416	4.8214835	5.930366	6.383264	6.164015	6.057916	5.20877	6.611615	4.939505	6.538249
CRISP3	2.735401	2.570118	2.445728	2.544384	2.581023	2.494812	2.647317	2.488038	2.638	2.762558	2.63895	2.390835
ZDHHC21	4.655036	4.601337	5.1309695	4.4603345	5.0173665	5.4899125	4.94189	5.1879715	5.55685	4.804701	4.5370215	5.4084065
TBC1D15	7.1230875	6.968583	7.0959375	6.928241	6.8870535	7.5533135	8.716829	6.7345515	7.622513	6.983909	6.6553705	7.590308
LIN7C	9.659553	9.348341	9.230821	9.903619	9.893106	10.22432	11.00515	9.862526	9.63788	9.680066	9.119169	9.887319
PRICKLE1	6.7679855	6.993081	7.0149015	7.534743	9.898625	7.6890115	8.2852995	9.768783	9.3831315	8.6260305	5.8955985	8.5453915
LRPAP1	6.644053	6.398028	6.4306	7.637215	7.622509	7.546442	7.530773	7.663456	7.855488	7.152516	7.572953	7.276433
MSRB2	7.326011	6.677044	6.894896	7.023058	6.16101	5.788365	6.094285	5.984527	6.926623	7.587364	6.123855	7.575593
ACTR5	5.917334	5.9737175	6.2450815	6.018819	6.328089	7.2748915	6.640669	6.284701	6.368585	6.630554	7.2688555	6.514733
ACTL6A	8.79607	8.56542	8.314436	9.076094	9.216381	8.621979	9.381147	9.155548	8.89572	8.512928	9.157227	8.58564
SUPT3H	6.1732145	6.4819115	6.0758025	5.9692575	5.790504	5.02047	5.5564955	5.8740725	6.203482	5.9269985	5.5288075	5.852206
AIPL1	4.608397	4.850458	5.001321	4.540439	4.6855135	4.4551835	4.410187	4.675464	4.7795585	4.594945	4.617822	4.4471815
ABHD3	6.216097	5.451412	6.009803	6.29313	7.235152	5.462954	7.740926	6.758308	6.41955	7.604397	6.276114	7.384565
ATP1B3	5.099142	5.225819	4.759078	4.713264	5.591558	6.102303	5.618742	6.047239	5.666928	4.305806	5.285579	4.176433
BAALC	9.516561	10.120614	8.816007	9.565392	4.112323	3.894268	4.0494495	3.852568	4.4931905	4.2233965	3.976206	4.99984
SMAD1	8.188206	8.00441	7.621277	8.359467	8.500875	8.033079	8.351483	8.398466	9.038815	9.191141	8.314678	8.880094
SLITRK1	2.80743	3.007134	2.910251	3.00791	2.836441	2.793349	2.810219	2.82365	2.906476	3.390282	2.827216	3.994248
SNF8	8.998446	8.811453	8.801916	9.464647	9.78058	9.143081	9.663126	9.836826	9.553818	9.251377	9.042055	9.251472
SPATA12	4.309645	4.299734	4.242998	4.283409	4.608303	4.334966	3.984117	4.340336	4.330135	4.162103	4.397476	4.208513
LOXL2	6.663294	7.1377255	6.9337725	6.5115205	5.1034605	4.8434135	4.753075	4.9401095	6.1899765	4.786447	4.991718	4.481786
ZNF624	4.27493	3.713686	4.013802	4.973917	4.399323	4.136001	4.653176	4.286419	5.617464	4.931975	4.162611	5.041465
REG3G	3.230722	3.496232	3.767496	3.349316	3.209545	3.173611	3.366186	3.171647	3.227727	3.255994	3.080599	3.313085
KLF1	4.166427	4.823032	3.999333	4.659416	5.079073	5.045412	4.720509	5.069105	4.745672	4.397612	5.568088	4.283411
RPL10L	6.203655	6.507605	6.108516	6.56485	5.986668	4.89588	6.173148	6.055104	5.505125	5.485267	6.077992	5.946937
DUSP15	4.738739	5.589075	5.14365	4.81216	5.778761	4.870973	5.363806	5.598299	4.299092	7.442671	6.662476	7.115475
HIST1H1T	4.9727985	5.2755475	4.9085135	5.0628165	5.461208	5.3324945	5.324264	5.454818	5.1051155	5.114069	5.5591255	5.241286
BBS9	5.211914	5.18956	5.225377	5.650234	4.371665	4.946519	3.637601	4.319799	5.678477	4.959558	4.600382	4.927382
CD74	5.334389	5.594943	5.27374	4.867269	5.046587	4.871638	4.824721	4.955001	4.901618	5.041549	5.169355	4.440555

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
BRD8	5.252511	5.11433	4.999982	5.074096	4.930096	4.581678	5.102573	5.009939	4.125484	5.5277	5.076956	6.690661
NEU1	7.671271	7.508213	7.516531	7.887065	8.699573	8.940069	8.879762	8.850171	9.710538	8.69723	9.165273	8.199635
KCNAB3	4.574636	4.755045	4.620306	4.655651	5.123289	4.964974	5.709029	5.076329	4.695464	6.02262	4.808856	4.610943
CAPN10	4.5465	4.6980595	4.5549625	4.561836	4.5624425	4.5383915	4.5266785	4.430938	4.39031	4.579626	4.6087	4.642723
MCM3	9.455017	9.25608	8.964894	9.409008	9.487286	8.634768	10.25826	8.978809	9.464247	9.446995	8.816919	9.365204
VPREB3	4.214822	4.78988	5.091897	4.695874	4.634774	4.816834	4.69852	4.505869	4.261402	4.344203	4.873847	4.36639
HSPD1	4.668743	5.009075	4.756094	4.863797	5.584239	7.502263	7.045017	5.737199	5.55636	5.715556	5.812008	7.008427
ISYNA1	5.196188	5.216937	4.8967765	5.08382	4.8738315	4.769533	4.7467805	4.985606	4.852669	4.915944	4.8933015	5.1038635
GREM1	12.959015	13.21763	13.05795	12.92804	8.2886125	3.008734	3.1302535	7.9639155	13.045435	6.303119	3.386367	3.1502025
RAB28	6.864183	6.754607	6.954465	6.802682	6.785448	6.619576	6.854866	6.757153	7.378392	6.470562	6.956422	6.323659
EDF1	10.3432	10.179185	10.26123	10.71393	10.59926	9.218772	10.505525	10.6289	10.70566	10.671615	10.67807	10.64381
LSM4	9.089927	9.081094	8.480864	9.479104	9.790735	9.211736	10.10021	9.641298	9.644403	9.505406	9.573641	8.917574
BMP2	5.56923	4.1179545	4.64197	4.728613	5.8408125	8.2075865	7.957134	6.023862	4.252736	7.5539735	8.2257015	7.2831085
IFRD2	8.568106	8.373721	8.521965	8.676264	9.634878	10.00733	10.14453	9.513689	8.782758	8.656998	9.64352	8.953215
SRP54	4.204481	3.518764	3.273955	3.073545	3.71749	2.867036	3.676057	3.663998	3.412988	5.523666	3.806703	5.36307
LRCH4	6.204332	6.676631	6.374286	6.246297	6.10658	6.007978	5.904552	6.319531	6.386538	6.224747	6.297017	5.934787
ARHGAP15	3.4343605	3.1778885	3.861522	3.3287865	3.5205485	3.480501	3.2629365	3.454285	3.576354	3.54854	3.407683	3.311321
MGAT5B	4.362778	4.6186965	4.3706295	4.3854395	4.574921	4.3803005	4.5051435	4.6054745	4.4977865	4.1915545	4.6387795	4.416974
ELOVL6	6.379657	6.046791	6.221066	7.651251	6.718067	8.186781	9.199692	6.04691	6.631183	7.839339	7.209902	7.461802
TRIM31	3.977429	4.323882	4.339962	3.75443	3.742812	3.989887	3.742041	3.677513	3.582439	3.605623	3.633142	3.840047
MANEAL	3.943132	3.915516	4.153196	4.125323	4.066422	6.924082	5.481215	4.619673	6.017415	5.90297	6.532546	6.502258
MKRN3	3.615366	3.500389	3.447857	3.628879	3.556618	3.618989	3.628235	3.436823	3.496983	3.477649	3.853251	3.343787
HCFC1R1	8.4669685	9.5719925	7.9572025	8.316277	8.415229	7.0380705	8.505768	7.9089955	8.5147475	8.028649	6.360976	8.0542265
SLC30A4	3.621129	3.35781	3.803396	3.552424	3.579132	4.487459	3.685276	3.565967	3.803396	3.523199	3.836784	3.475074
CXCL16	5.559734	5.583965	6.378065	5.790797	5.892735	5.60543	5.651657	5.677152	6.577427	6.438831	5.969623	5.415853
BAG5	7.308338	6.996229	7.087627	6.940338	9.043027	9.411087	9.09479	8.967382	8.773984	9.000979	9.131689	9.139574
CDC16	9.824085	9.653668	10.26924	9.804296	9.517664	8.60309	9.327314	9.432444	9.527523	9.921625	9.607809	10.01699
GGH	9.805719	9.987432	9.493861	10.13885	9.635567	7.99442	8.945937	9.543324	9.918958	9.728023	7.000103	8.751662
FBLN2	8.844664	9.475167	9.39851	9.207071	9.727749	9.496635	7.487267	9.693043	7.497211	7.51892	8.45292	7.907158
ING2	6.3637215	6.0412755	6.229271	6.2574255	5.4626275	5.506921	5.3568655	5.579825	6.0237235	5.048139	5.4027055	5.1643885

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
CDKN2C	8.6135085	8.089763	8.3148835	8.5562405	6.718068	4.2647645	7.089859	6.327918	5.909977	6.5724275	5.6092355	5.964718
SASH1	10.41395	9.93073	10.53561	10.01211	7.967309	7.515858	7.609186	8.063162	7.427271	8.612069	7.365148	9.207437
MINK1	6.248188	6.975479	6.596948	6.441736	6.2921535	6.263584	6.1637775	6.2703945	6.015096	6.288501	6.374338	6.0661115
PRPF4	9.0469905	8.835959	8.919879	8.960003	8.82507	9.5480965	9.15242	8.706666	8.872234	8.426532	9.247828	8.3315815
RAVER2	3.8341435	3.9769325	4.5722815	3.9750275	3.1675435	3.603595	4.9558115	3.2889465	4.917953	4.779869	3.565737	4.4067755
TAAR2	3.327541	3.485633	3.566668	3.459538	3.810276	3.787841	3.770532	4.000841	4.025941	3.549315	3.705738	3.757306
FLT4	4.053499	4.240967	4.237443	4.187908	4.081639	4.507891	4.192763	3.872593	4.182234	4.137554	4.261323	4.275561
CNGB3	2.9966785	2.9888505	3.1805615	3.0183955	3.0355835	2.9202755	2.922199	3.0233805	2.895998	3.025419	2.964277	2.892411
IDS	6.4165455	7.4984165	6.85506	6.418583	5.2813525	6.1203985	5.3274125	5.5289865	6.328843	5.524461	6.4940655	5.1754135
NDUFC1	8.2627835	8.1627935	8.119844	8.055346	8.7850125	8.578086	8.525865	8.596636	7.9748115	8.418689	8.484478	8.3739815
ZNF17	3.288259	3.188201	3.552234	3.3162145	3.5111705	3.9425575	3.5104315	3.5090005	3.612166	3.7098295	3.565819	3.6897895
RPL19	13.27891	13.38777	13.32064	13.25932	13.46922	13.31087	13.47573	13.43149	13.29243	13.35557	13.53318	13.34451
ALKBH1	6.412466	5.9622205	6.095978	6.520585	6.820628	7.198562	6.8091195	6.7408815	6.616566	5.879555	6.8541785	6.034704
FGFRL1	5.868772	6.429471	5.7827195	6.2313705	5.4575795	6.067206	5.615956	5.3221115	5.7766885	5.293692	5.614915	5.194284
SLC35A3	8.17151	8.301137	8.418817	8.618655	7.391183	8.141076	7.823389	7.489178	7.868861	6.791433	7.5178	7.321927
DNAI2	3.9331835	4.065546	4.056861	3.828393	3.7101385	3.8315325	3.831214	4.005821	4.039238	3.703489	4.034928	3.7148235
HSPE1	10.51893	10.15427	9.940918	10.4174	11.73209	11.71009	12.06621	11.48073	10.67546	11.27452	11.17486	11.44121
NSL1	5.9457445	5.4368715	5.501247	6.2025525	5.882732	5.2454145	5.9326405	5.8148505	6.0713905	5.7826825	5.69255	5.4867925
APBA3	6.299814	6.578222	6.3306025	6.3776005	6.484361	6.4488445	6.1608485	6.3506195	6.301303	6.263537	6.4632375	6.5845575
CRLF1	6.866231	7.255076	6.652462	8.197092	6.107711	5.671179	5.303807	5.864184	4.902305	4.833844	5.880891	5.283076
AMPH	4.963128	5.906659	5.072605	6.502741	4.71788	4.382183	3.924037	4.696567	7.569384	5.155662	4.391303	4.397808
NIPSNAP3B	3.449048	3.2498865	4.353892	3.370896	3.4895345	2.8193835	3.240732	3.3775515	4.6325275	4.2374035	3.126955	3.7362045
HADHB	11.05497	10.86834	10.94025	11.0115	11.01237	10.81605	10.75808	11.19474	11.04803	11.1117	11.12125	11.0923
ZNF484	3.754077	3.688258	3.678963	3.777136	3.961398	3.632914	3.871924	3.697278	4.254446	3.694837	3.737091	3.515288
LRRC32	8.074045	7.364651	7.872896	8.645779	6.439923	6.268349	5.812906	6.162286	9.242412	7.373589	5.954125	7.523264
TTC7A	6.4851855	6.417611	6.3282785	6.4250265	5.23693	6.1147115	5.356037	5.3571885	5.3346225	5.2022435	6.39761	5.079326
FGL1	4.8521955	4.999095	4.8377095	5.0435415	4.949761	4.9293195	4.7375075	5.1236225	4.8643125	4.5274745	5.033983	4.416614
VSNL1	3.9467235	4.210958	4.0213605	4.2629385	4.3361205	3.9188435	4.132727	4.443333	5.3087595	3.9378845	4.3589205	3.901583
CFHR2	3.87254	4.165576	4.152368	4.275035	4.516066	4.031093	4.089357	4.540948	5.078732	5.351745	4.678144	5.153477
TFAP2E	5.455532	5.466692	5.724755	5.81297	7.37222	6.263211	7.394704	7.49304	6.222715	7.430812	6.144655	6.846501

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
DND1	8.5584585	6.682674	7.516428	7.089589	6.47182	6.5009215	6.7633735	6.7960245	6.76814	6.597869	6.812792	6.9315855
RBMS2	7.1747585	7.1701525	7.55174	7.3949495	6.5437675	6.835365	6.0447185	6.4457285	7.067458	6.155935	6.7130705	6.298869
TCFL5	6.014946	5.919024	5.850965	6.470917	6.603046	7.363403	6.676279	6.476683	4.648503	6.358418	7.286176	7.175331
SNX19	6.106056	6.011034	6.148734	5.833886	6.052369	5.58281	6.109284	5.758248	5.479228	5.964052	5.52666	6.544225
FMOD	8.028236	7.866524	8.300166	6.28914	6.463005	7.631315	6.121878	6.511471	5.012317	5.942407	6.915059	7.341765
ZNF124	4.510117	4.104666	4.412556	4.2968525	6.060392	5.202457	5.408859	5.9417935	4.923138	5.255572	4.98366	4.949903
NOX3	3.093891	2.969316	2.809343	3.004263	2.931014	2.881919	2.882432	2.971327	2.882432	3.05309	2.971985	2.671377
ZYG11B	8.989949	8.896772	9.302867	9.419563	8.650634	8.693779	8.489346	8.551996	8.648678	8.582767	8.032487	8.59199
RSPO1	4.754578	4.70902	4.995871	4.686222	4.815479	4.946843	4.724895	5.039422	4.549328	4.915594	4.577262	4.442972
PGRMC1	11.404215	11.539665	11.628645	11.17232	10.91249	9.8199095	10.820435	10.90822	10.140544	9.7503785	9.804761	8.991927
ADRA2C	6.043468	6.096272	6.088345	6.482966	4.976464	5.466299	5.330007	5.182606	5.235841	5.212458	5.683803	5.534076
DACT2	5.203844	5.068779	5.185663	5.671576	5.768186	5.585424	5.677665	5.721393	5.674801	5.350651	5.75762	5.325031
SCN2B	3.815798	4.331228	4.006434	4.058417	3.670177	3.828508	3.697238	4.133763	4.002476	3.939104	3.48462	3.762798
PPM1D	6.053189	5.9513675	6.020537	6.461907	7.2002955	7.3892395	7.74777	7.283094	6.6753115	7.0546975	7.2463145	7.175743
UTS2	2.6558055	2.6412325	2.687943	2.6676515	2.658234	2.7382465	2.610642	2.438352	2.761642	2.5804925	2.477391	2.58012
CWF19L2	4.8327825	4.982555	4.6948855	5.0366005	5.0928245	4.8970385	5.5698805	5.154151	5.1730265	5.6651985	4.602261	5.675498
RC3H1	6.188173	4.139477	5.660612	5.340844	5.900529	6.274231	6.733008	6.11582	5.291116	6.643182	5.21853	5.931937
CERK	8.403616	7.850701	8.334816	8.574594	8.038953	7.180209	7.745953	8.031178	7.51537	8.544772	7.761183	8.054671
NDUFA11	8.12191	8.16627	8.124394	8.076195	8.1765975	8.2631365	8.004512	8.247297	8.152369	8.0363045	8.217178	8.237434
EBF3	5.36001	5.332724	5.367037	6.432833	3.999421	5.115001	4.3467	3.876295	3.955616	4.362218	4.073225	5.774008
C1GALT1	6.585895	6.780161	7.445759	7.164474	4.280891	4.9882	6.159643	4.426363	7.831434	7.10769	4.944352	4.972297
HOXA6	4.718094	5.520535	4.859249	4.84574	4.410624	4.692893	5.051672	4.18003	4.071553	4.803981	4.881831	5.783152
ALDH3B1	7.016365	7.187613	6.832655	6.736303	5.946415	5.953067	5.875136	5.953067	6.686907	5.98489	6.604084	5.939265
TPST2	8.624526	8.167483	8.735131	9.580621	8.370556	10.1316	8.634133	8.345836	8.183579	8.568325	9.904673	8.339866
TTBK1	5.5808535	5.611508	5.458221	5.861612	5.5508785	5.5172575	5.5357595	5.622075	5.4330395	5.295393	5.6600355	5.279006
DRG1	10.13971	9.988974	10.14809	10.2367	10.18691	10.57979	10.30271	10.1693	10.01669	9.792576	10.83045	9.852379
FCRL5	3.001821	3.56498	3.336789	3.523584	3.488683	2.937803	3.153728	3.514984	3.24875	3.161328	3.183277	3.245385
ANKRD30A	2.983591	2.80264	2.80264	3.053391	3.228711	3.117846	3.29255	3.160903	2.962086	3.103506	3.550626	3.116681
OVOL1	5.206779	5.339048	5.0900465	5.1962185	5.4457575	5.090489	5.41613	5.4185735	5.100169	4.9448625	5.3772495	5.0594375
RFX5	7.3448105	6.7446965	7.1340705	7.1031575	9.470224	8.3442305	8.9978305	9.408504	8.5195055	8.2153695	7.8133875	8.462189

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
BTRC	6.392729	5.921191	6.329352	6.367776	6.163033	6.969876	6.519422	6.348387	6.385537	5.700498	6.65376	5.717293
RECQL5	4.965361	5.068037	4.806278	4.944756	5.217761	5.247243	5.177505	5.292138	4.839204	4.871527	4.952272	4.472591
DHX32	9.067339	8.74045	9.352493	9.17192	9.074364	9.134678	8.706018	9.028532	8.999981	8.643767	9.213305	8.800838
DNASE2	7.641957	8.133131	8.1887395	7.9963835	8.988844	8.8253215	8.1788355	9.039368	8.3729535	8.083964	9.4757085	7.2919465
TNFRSF10B	7.302801	7.617209	6.900268	6.903285	8.129711	9.205904	8.031144	8.258555	7.640332	7.048289	8.311369	6.784982
FYN	8.236012	8.396632	9.011226	8.617976	5.02286	7.696077	5.857412	4.918859	7.722237	7.720117	8.244925	7.673644
LIMD2	5.156142	6.096486	5.297851	5.570886	4.924093	4.557388	4.930048	4.890971	4.944453	4.557956	4.893178	3.974102
FANCB	4.111518	3.946472	3.8131375	4.036274	4.075662	6.170434	5.1115635	3.8606715	3.732719	4.143691	3.597087	4.4130725
PAX8	4.9956605	5.3161695	4.964898	4.9787885	5.1343355	5.2931955	4.987058	5.100157	7.5196115	4.7506255	5.499856	4.7034135
MT1E	12.223	12.31991	12.34362	10.75657	10.38472	9.430041	9.440307	10.25071	12.46458	8.841794	10.41487	8.770663
IGFBP3	13.863695	13.971675	13.96995	13.85248	4.8276615	6.2512425	4.8551545	4.9830445	10.183992	7.8353355	6.247221	4.7878
G3BP1	6.274199	6.243317	6.138226	5.697402	6.224185	6.809194	6.159098	6.707848	5.558068	6.555625	6.225731	6.340654
KCNA1	3.838544	3.871382	3.886803	4.2466755	4.0278115	4.108163	4.127346	4.1176805	3.9810125	3.91415	4.0900775	3.8585785
UBE4B	7.636108	7.687634	7.694955	7.593744	7.778773	7.485332	7.464092	7.626318	6.224586	7.332587	6.423818	6.774309
CA11	3.462823	3.992496	4.64072	3.768605	7.217073	5.631528	6.668883	6.988023	5.723851	7.583167	4.199622	5.840663
PENK	6.0756325	6.7851325	6.8336425	8.1808975	5.297145	6.2248015	4.771044	5.647774	4.7046435	5.1909365	4.981731	6.9374895
MTX3	6.272714	6.325864	6.845064	6.4560095	6.3806445	6.2425845	6.5766	6.2954495	6.637612	6.8032635	6.1472895	6.872697
FAM76B	6.556846	5.3274395	5.555528	6.1949615	7.0703	5.9193245	6.790358	7.0820655	7.093769	6.785353	6.007643	6.5506415
BCAT1	9.559725	9.705939	8.663524	9.989472	7.595002	9.396234	8.700765	7.620791	10.660921	8.2571785	8.018405	8.2162385
RSBN1L	6.6511185	6.55212	6.356142	6.6479145	6.519112	6.3633375	6.9017765	6.378738	6.633661	6.8482755	6.184134	6.9197
HMBS	8.156505	7.541682	7.568092	8.324953	8.654636	7.857658	9.123915	8.564663	7.902375	8.173023	8.395418	8.443289
NRP2	5.3763015	5.619895	5.292945	4.9274295	5.1809795	6.0650775	6.337271	5.1864205	5.7776905	5.4163405	5.825525	5.9710445
DKK2	2.968849	3.0152875	4.885135	2.9103935	5.440641	4.2807035	4.167113	5.171189	3.2740705	4.657868	3.572839	4.6398795
UTP14C	8.544189	7.749043	8.298276	8.543843	8.517689	8.129259	8.240044	8.396575	8.507497	8.50154	8.472351	8.440409
ANXA2P1	7.163238	7.257063	6.520943	7.511751	6.960533	6.512223	6.097185	7.08728	6.479777	5.671793	6.078234	5.023825
TRAF3IP2	7.1395605	6.9279665	6.8758195	6.2644445	6.1163355	6.3295415	5.868587	6.128376	5.648874	5.6313555	6.563637	5.7099705
BTNL2	4.53536	5.026537	4.624828	5.025469	4.899501	4.813587	5.298483	5.309183	4.823331	4.614624	5.049428	4.826353
APAF1	6.416598	6.417849	6.457986	6.270957	6.165754	5.969746	6.594515	6.137841	5.914069	6.888162	5.71264	6.304614
ANKFY1	6.367302	6.6259945	6.341416	6.11869	6.132398	6.0398275	6.076242	6.086715	5.898564	5.670186	6.063768	5.6219815
COMMD8	9.700227	9.272005	9.734596	10.51578	9.917725	9.060245	9.695157	9.893239	9.839831	8.477791	8.760015	8.066913

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
FAM83A	5.1533685	5.0965185	4.940129	5.0703525	5.0715055	4.915282	5.116366	5.114406	4.8982375	4.7252605	4.9288835	4.832132
YWHAQ	12.56594	12.34871	12.36015	12.60348	12.79475	12.57963	12.35237	12.72132	11.89911	11.95133	12.30238	11.87021
ATP2B3	3.424734	3.6454965	3.447763	3.1723175	3.29559	3.18845	3.283798	3.3828505	3.137575	3.379448	3.078978	3.1447375
STXBP6	3.8291935	8.225365	6.710666	8.2837305	3.9297215	7.035336	3.7403715	4.1083935	4.8466675	3.7166595	3.992876	3.67521
COL23A1	5.147607	5.416679	4.97479	5.148794	5.72086	5.228647	4.798959	5.552116	5.228965	4.999298	5.494852	4.811172
EOMES	3.866128	3.63906	3.405106	4.046379	3.902684	3.689492	3.479589	3.863364	3.58931	3.530022	4.051261	3.693817
TLR8	3.222942	3.2701265	3.354022	3.486289	3.436772	3.604724	3.365995	3.504261	3.5896305	3.1959935	3.5762675	3.2109015
FGF7	6.860979	5.565614	6.050723	4.01189	2.773772	2.636227	2.652095	2.737947	2.625316	2.67638	2.533178	2.603376
BDNF	5.970538	7.035344	7.9800895	7.7608905	4.585038	4.3095935	6.6128715	4.2775245	8.0538635	5.93378	5.1622885	6.420541
P2RY10	3.305613	3.3138155	3.228391	3.3688055	3.228691	3.386337	3.3099005	3.325439	3.428471	3.1688565	3.304561	3.1295905
GTF2IRD2B	4.326953	4.475446	4.481117	4.046187	4.969484	4.584972	4.203684	4.827368	4.796113	3.692111	4.003187	3.90653
MAPKAPK2	7.735522	8.313638	7.140759	7.085697	6.525796	6.601779	5.98489	6.235347	5.754725	4.903666	6.302209	5.069065
PAX3	4.0596415	4.1088755	3.66546	4.8737835	4.140692	3.8792495	5.669787	4.084665	4.0012295	5.3100855	4.21434	3.966566
TUBB6	12.48176	12.3849	12.41064	12.51969	11.6128	10.60788	11.56558	11.60734	11.15614	10.00559	10.72495	10.11421
SULF2	4.853547	4.72297	4.7755765	4.5056825	10.5043635	10.6595565	9.6329315	10.6188085	5.2066795	9.537445	10.0653255	9.5015155
RABL3	7.479365	7.449055	7.540425	7.207996	7.674761	7.348446	7.111435	7.84974	6.725486	5.958386	7.031998	5.289824
ZNF502	6.458197	6.549724	6.314731	6.371182	5.267562	6.114887	6.1178875	5.5003025	6.724553	7.071014	6.117332	6.999635
TNP2	3.2716585	3.7617545	3.428337	3.3386265	3.354897	3.2084065	3.415673	3.412155	3.4222505	3.4331265	3.426241	3.3116965
CTHRC1	12.68282	13.12871	12.47983	12.95916	11.0769	7.467114	7.369195	10.88162	12.12219	5.72137	4.919994	9.621777
USP39	8.003977	7.839998	8.099287	8.507939	8.739716	8.247927	9.0341	8.624915	8.385075	8.304452	8.654666	8.386612
DRD2	5.273861	5.6169685	5.488363	5.34696	5.3403195	5.276046	5.368657	5.5579715	5.4189225	5.333687	5.46363	5.104273
PTK2B	4.8589485	5.384156	5.1017575	5.2024025	5.35442	5.369929	5.0063815	5.3141785	5.551258	5.005967	5.214649	4.7120315
RASL11B	4.0601375	4.2219715	4.1320525	4.3877415	4.820923	4.2162305	4.4793225	4.7265505	4.166918	4.248627	4.161504	4.283716
HS3ST5	4.657236	4.417442	4.763615	4.638315	4.30067	5.167795	6.136522	4.188777	3.950562	6.107666	4.959854	5.995379
GRAMD1A	6.307477	6.55112	6.5988765	5.8884535	5.496681	5.224068	5.6791785	5.4552885	5.8919415	6.971743	5.164367	6.262202
DCXR	7.741734	7.96994	7.949854	8.52663	9.324048	9.186376	9.625264	9.073854	7.391212	9.184328	9.252835	8.951953
RFWD3	6.814847	7.300087	7.013377	7.558414	7.053806	7.203941	7.876995	6.844442	7.168645	7.237341	7.165703	7.594338
ZNF573	4.4299215	4.873265	4.6861415	4.7742565	5.089502	4.6296185	3.473249	5.0999265	5.255661	5.603417	5.029096	5.216265
GAA	6.937058	7.652305	7.206254	6.946699	7.766456	8.96477	7.440061	7.930476	7.512136	8.795354	7.650163	9.542226
NR0B2	5.774654	5.837848	5.796377	6.226676	5.887658	5.910865	6.060692	6.040291	5.513177	5.766327	5.943567	5.645297

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
CAMK2B	5.088004	5.418097	4.979949	5.19482	5.09278	5.523077	5.500803	5.170288	5.15627	5.243939	5.084641	5.239387
CHAT	4.657939	5.167207	4.907319	4.971871	5.089021	5.210683	5.00808	5.011235	5.248817	4.855315	4.978631	4.967013
TUBE1	5.2991525	4.7638075	5.0641055	4.931402	5.0079035	5.3374925	5.2222185	5.0502135	5.54266	5.5695215	5.7988605	5.6668125
MAPK1	8.731054	8.949488	8.854089	8.305654	9.675881	9.610645	9.032879	9.875151	8.633609	7.298711	8.659548	6.959556
ARL6IP4	8.4918775	8.7705035	8.601412	8.825672	8.596985	8.2581095	8.843709	8.4190965	8.4410255	8.67992	8.4657085	8.73907
XRCC4	5.7957045	5.789753	5.7375565	6.1637535	6.065437	5.81484	6.0441105	6.1871705	6.013056	4.7092705	5.402524	4.4829595
AMOT	3.823887	3.902131	4.058416	3.902992	3.570674	3.49499	3.360983	3.563488	4.025036	3.655221	3.644514	3.26597
OCIAD1	8.664463	8.610377	8.547825	8.393263	8.555655	8.225323	8.636211	8.561443	8.111568	9.373674	8.322076	10.12716
OR1D2	4.862604	5.006782	5.125478	5.187442	5.065118	5.020144	5.074386	5.201338	5.170744	5.176617	5.16704	4.8785
NME3	7.009588	7.096473	7.421415	7.777925	8.153771	7.595461	8.027905	8.11448	7.776474	8.550502	8.262716	8.23772
KCTD12	9.5717585	10.0497645	10.42394	9.5784425	11.753965	9.566856	9.726693	11.751775	8.062865	9.8003025	9.218	10.306264
SYMPK	6.527652	6.456656	6.261464	6.378734	6.453766	6.4371575	6.5967935	6.4392365	6.243334	6.9853265	6.501343	6.8036205
PSD4	4.668277	4.869429	4.244866	4.618916	4.130318	4.208337	3.686174	3.915375	4.929107	3.907652	3.786864	3.771298
PEBP1	10.45732	10.63476	10.18518	10.84501	11.17022	11.63326	11.11141	11.21161	11.06326	11.21372	11.1113	11.00082
B3GALNT1	4.72564	5.200215	5.672573	5.340414	7.217215	8.480142	7.388058	7.010412	8.026983	5.822797	8.572929	7.643349
EPM2A	4.928445	4.83015	5.17749	5.369452	6.872	7.35939	7.125459	7.080956	6.41905	6.022303	6.970678	7.192674
POLR3H	7.652609	7.32334	7.784927	7.97198	7.671883	7.58305	7.364794	7.408528	7.722593	7.281373	7.152644	7.111448
CCNL1	6.83372	6.4693225	6.929296	5.858126	6.511809	5.461215	6.5727365	6.620766	7.3685865	7.688402	6.3121235	7.041937
TIRAP	5.613918	5.9738885	5.8849475	5.8459085	5.4799745	5.3970695	5.4818525	5.705979	5.4508275	5.2915065	5.636683	5.294016
ANAPC4	8.6579295	8.2034155	8.607813	8.567688	8.249056	7.6378705	8.2047125	8.206581	8.4027985	8.172518	7.489278	7.9199645
ZNF197	5.3625655	5.043271	5.4238	5.461558	5.222566	5.8010245	5.3508245	5.2313075	5.4030545	5.6127865	5.3015485	5.4134865
RIMBP2	3.861191	4.168131	3.8725855	4.0849655	3.944712	3.9350475	3.82429	4.099664	3.861797	3.832164	4.109701	4.071329
PAIP1	8.34799	8.632217	8.7672	9.00271	9.457644	9.341181	9.428709	9.385571	9.739474	9.221184	9.352035	9.380555
DIDO1	6.478135	6.2415885	6.7993105	6.445008	6.649386	5.807876	6.517345	6.704624	6.866251	6.693495	6.619953	6.7251255
PRSS22	5.234671	5.5369	5.23816	5.261207	5.785257	5.888234	5.723385	5.677152	5.660606	5.503226	6.086411	5.315062
BRF1	4.918803	5.054099	5.0829725	5.2509085	4.837906	5.2586755	5.198727	4.964089	4.671011	4.870234	5.1194505	4.8735465
PDSS1	5.661957	5.140002	5.53531	5.463483	6.25528	6.207375	6.3895365	6.212426	5.0694375	5.9376995	6.182692	6.1967645
ATF2	6.715234	7.113548	7.149745	6.832335	8.093016	7.33802	7.808962	8.005968	6.679511	6.680544	6.517632	6.330521
RPS17	13.5185	13.45972	13.46455	13.47938	13.56531	13.51232	13.61174	13.58845	13.49845	13.51797	13.70675	13.53778
GOSR2	7.264187	6.9989895	7.2227185	7.0311255	6.962654	6.987621	6.850931	7.0908845	6.9995305	6.539541	7.0383535	6.3968445

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
SALL3	3.314987	3.476166	3.529087	3.2298995	3.3593415	3.4034415	3.6494375	3.3185565	3.400749	3.354647	3.4011085	3.196116
KLHL5	7.296315	6.556415	6.312689	6.966825	5.327085	4.09866	4.722211	4.876117	9.64181	6.355466	4.885427	6.172856
TMCC1	6.044844	6.223629	6.318153	5.814028	5.738922	6.08037	5.561807	5.798571	5.582506	6.173255	5.534762	6.14325
DDX3X	8.016136	8.6191105	8.8015595	7.8118735	8.7755975	9.763246	9.35551	8.661861	7.618114	7.2687825	7.368058	6.6953775
OR7A10	2.725703	2.549538	2.530866	2.956852	3.042466	2.972026	3.267666	2.93002	2.858002	2.912184	3.389037	3.279169
HSP90B1	9.5805025	9.092711	9.051218	9.9099455	10.2865135	10.127848	10.444939	10.6337925	9.2610315	10.1749235	9.613246	10.3937715
RDM1	3.621494	3.921651	3.65128	3.806861	4.267959	3.756806	3.950562	4.156072	4.272182	4.068786	4.175379	3.780901
SYNJ2BP	5.694945	5.789801	5.7509635	6.4431435	7.274003	8.326869	7.972174	7.295935	7.913626	7.274131	6.699234	7.487068
GRIA1	4.054366	3.791904	4.1824675	4.1108495	6.161234	5.633643	6.5792425	6.200514	3.940884	8.850335	6.5641525	6.9498715
ARHGEF7	5.25474	4.823605	5.414015	4.25241	4.634792	4.58707	4.666965	4.733833	4.44528	4.816039	4.560031	4.628855
PELI3	6.049641	6.379406	6.89284	6.191862	5.703012	5.685998	5.695827	5.713413	6.152689	6.555893	5.441319	6.038575
ZBED2	3.682797	3.66959	3.501775	3.666811	3.657372	4.174281	3.463561	3.695108	3.960631	3.73505	4.280286	3.42941
MRFAP1L1	9.284794	9.302181	9.347251	9.46981	9.94696	10.14486	10.01723	9.949403	10.21068	9.754795	9.930034	9.655802
RPE	2.428	2.249179	2.580398	2.320249	2.561471	2.730617	2.452439	2.457906	2.354656	2.596348	2.582391	2.588064
CD24	4.2866065	4.21991	4.0834115	4.207393	4.196915	9.677264	3.886577	4.398908	4.2454785	5.449332	10.223565	4.0496945
CROCC	4.925047	5.544313	5.1963965	4.63572	4.5535245	4.603368	4.783958	4.5282005	4.3952115	5.179583	4.791923	5.004223
SIX6	3.35254	3.48462	3.546331	3.155991	3.393557	3.271221	3.182361	3.266109	3.34132	3.195717	3.133069	3.183799
GOT2	9.945715	9.630271	9.689491	9.853909	10.12266	11.01395	10.7288	10.16744	9.911425	10.05567	10.10475	10.21803
FBXO30	7.2481735	6.884672	7.0177	7.0810915	7.6139455	7.486867	7.2338195	7.8249185	7.310356	7.112951	7.25123	7.0985365
PDE7A	4.6390425	4.1165855	4.043676	4.349077	4.865957	4.8493395	4.631361	4.84511	4.5851525	5.002138	4.216915	4.8726515
RAP1A	5.1874405	5.547031	5.6555765	5.5844325	5.569896	5.842604	5.5394325	5.727906	5.5076425	5.8426915	5.623189	5.886336
RBMS1	11.106615	11.20467	11.210545	10.233875	10.60152	10.58424	10.05995	10.374875	10.12702	10.766135	10.87707	10.67333
ERG	4.02597	4.057167	3.80305	4.200682	3.578546	3.804504	3.470835	3.865629	3.470835	3.514643	3.92499	3.896957
ZHX1	7.9418725	7.8118755	8.3036955	8.5887235	8.8815465	8.449032	9.047713	8.702671	8.204528	8.6259245	6.9557435	8.5469745
LOXHD1	3.868366	4.042815	3.7096	3.833656	3.977586	4.221364	3.981722	3.915374	4.120167	3.994249	4.128128	3.452375
BCL6	8.409764	8.6348	7.748386	7.430294	5.863305	6.292025	5.00808	6.076042	7.39346	5.728684	6.253297	5.440817
ENPP4	3.1580505	3.042139	3.6194565	2.7577215	2.806708	2.877168	2.6889895	2.878851	7.582267	2.9163725	2.806261	2.8143535
BST1	5.28728	6.191792	7.8381	6.79452	5.889459	4.6106	4.97479	5.813182	7.176521	3.985011	4.462552	3.246119
POU4F3	3.674343	3.674994	3.171628	3.674994	3.676057	4.001529	3.508759	3.551368	3.757623	3.449466	3.396601	3.447014
BIRC3	3.8226445	3.5991605	3.7710245	4.0997625	3.7589305	3.751548	3.8260765	3.776048	6.421087	4.2326695	5.329806	4.3892885

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
G0S2	6.07809	8.981178	5.946503	8.238565	7.569035	11.31104	8.443569	7.928373	10.11057	7.498469	11.32095	9.621625
EPB41L5	3.680581	3.646602	3.721358	3.2544135	3.6910705	4.1714075	4.655549	3.769272	4.1577415	3.7436765	3.585721	3.5571445
CHCHD2	11.93468	11.9271	11.67368	12.01271	12.33663	12.11947	12.39457	12.32101	12.0333	11.96667	12.10468	11.93446
CLDN18	3.837534	3.951302	3.975187	4.109793	3.876063	3.4382665	3.7529705	4.1934465	3.994857	3.9673435	3.958877	3.6069675
DSCR10	5.4050015	5.4355435	5.6286025	5.5929805	5.5366905	5.2410145	5.333729	5.543168	5.3707415	5.374668	5.530779	5.2630865
KYNU	4.089612	4.0128785	4.3798785	4.2490515	3.734319	3.9644985	3.8200485	3.985288	5.015671	3.77359	7.254137	3.715188
RASGRP2	4.0761275	4.2227305	4.1151635	4.047988	4.045973	3.9341275	3.9826945	3.875876	4.365541	4.009732	4.087024	3.959193
ZNF592	6.773327	6.83906	6.996951	6.938598	6.738109	6.899083	6.558799	6.566508	7.327516	6.783703	6.77914	6.5937
TRIP4	8.949263	8.473755	8.798471	8.91569	8.667036	8.535857	8.566301	8.709334	8.97298	8.246515	9.03316	8.311934
CTXN3	2.869454	2.9637285	2.921932	2.8458615	3.1166945	2.943196	3.7902285	3.1480345	3.2064475	2.997812	2.9659715	3.321589
GPR146	4.966303	5.776402	6.045061	4.713264	3.392444	3.533727	3.136291	3.428972	3.797151	3.372054	3.570785	3.028598
STK38	4.880739	5.221926	4.756094	5.144159	5.231509	5.039154	5.259196	5.174839	5.058392	4.911831	5.127095	4.978518
MOCS2	7.275303	6.893148	6.5723205	7.563066	7.003762	7.2941265	6.640376	6.885764	7.9010825	6.6206405	6.05644	6.8033785
ACTN1	10.74072	11.330335	10.82063	11.017495	10.27493	10.804365	10.0418825	10.23303	10.40742	10.65178	10.301545	10.436855
HACE1	7.795673	7.790677	7.985889	7.519081	7.0715	7.836286	7.630888	6.994396	8.277514	8.726501	7.123454	9.032421
PRMT7	6.319443	6.437866	6.665952	7.155856	6.871853	7.590663	7.347065	6.959339	7.034074	7.591714	8.048033	7.53242
TMEM126A	10.40184	10.02165	10.13627	10.43223	10.40754	10.01457	10.81126	10.32355	10.87933	9.897788	10.64453	9.405194
HFE	6.702503	6.59867	6.458938	6.214677	5.952307	5.613809	6.081162	5.828451	5.960181	5.34824	5.969622	5.618566
BDH2	7.1913035	6.7710355	6.7690355	7.1815575	8.032528	7.927603	7.3295705	7.9846055	7.821519	7.412852	7.096327	7.8120585
CIITA	4.046507	4.471297	4.287459	4.410369	4.460157	4.728969	4.626068	4.734925	4.528659	4.153647	4.637146	4.071667
NUP188	5.689354	5.546129	5.260999	4.752858	5.158582	5.640057	5.363806	5.04442	5.037571	4.997594	5.213504	5.404705
ATP1A2	3.4933635	3.6322385	3.702432	3.4881675	3.324619	4.721684	5.2875835	3.5459915	3.517606	3.5098735	3.5236225	3.351693
ZNF276	5.635988	5.6725945	5.6156155	5.4345025	5.8906945	6.3159815	6.120872	5.7288745	5.4876515	5.879775	5.970197	5.9941475
LENG8	7.852186	8.272511	7.878574	6.719273	6.402861	6.311676	6.347674	6.094174	6.624347	6.989382	6.978143	7.194243
UPP2	3.6231085	3.449988	3.0375105	3.3394015	3.8105655	3.4256095	3.187968	3.639009	3.403482	3.2725315	3.390658	3.1641725
ANP32E	9.793365	10.02605	9.618335	9.425337	9.32288	7.920121	9.939701	9.23789	8.162193	8.090623	7.718194	8.257128
AGPAT2	7.335624	7.5709765	7.316339	7.392272	6.942785	6.228826	6.4550815	6.794551	7.399151	6.6607635	6.3294475	6.059523
CDC42EP5	8.315148	9.530842	9.643492	8.867967	7.732744	7.047579	6.958189	7.401278	7.156257	9.131856	8.101537	9.522061
MTA3	6.601584	6.44882	6.565146	6.611536	6.79187	6.966165	6.963426	6.9397625	6.7144415	6.9729925	6.8198725	7.0307205
ARC	4.721228	5.10269	5.131349	4.85605	5.125777	7.205437	6.544933	5.106466	4.723137	7.055071	6.911269	6.669046

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
MAPK8IP2	4.99398	5.346029	5.3770455	5.1286585	5.2636045	4.9973615	5.207122	5.2023135	5.3289265	5.11185	5.187675	5.0155965
PSMD5	6.487343	6.619007	6.895321	6.446833	6.3269595	6.1391025	6.3143875	6.2408665	6.338934	6.3114295	6.56474	6.233942
CASD1	4.005827	4.053826	3.901186	3.97969	4.160262	4.166084	3.937787	4.041705	3.78684	4.097746	4.224039	3.994661
PARP6	7.082456	7.1087905	7.4644635	6.86202	7.002959	6.6474625	6.8875655	6.880319	8.181545	7.436386	7.86165	7.3394675
ZNF395	6.881375	6.35751	7.3044945	5.767726	4.717845	4.704886	4.609272	4.6698965	4.6699105	5.4734735	5.057651	5.1443485
GCH1	5.322673	4.199315	6.675888	5.365187	5.895346	8.037943	9.961449	5.477183	9.650391	9.84186	8.208483	10.18946
CPEB1	6.5079375	5.818583	4.810752	6.221491	5.575708	6.36402	5.1160105	5.7394675	8.3119275	4.6378575	6.2066525	5.4419795
EREG	3.893771	3.3523285	4.680302	5.489299	3.392791	6.124581	3.3517785	3.5561435	3.9057405	3.689121	6.348595	3.482079
NOL3	7.0997045	7.36081	7.3008475	6.669826	6.477692	6.2317725	6.192829	6.380116	6.663865	7.1809535	6.725784	6.689241
IL6R	4.769192	4.398885	4.452112	4.966527	5.555648	7.081983	8.240288	5.396637	3.814495	5.817826	5.101162	5.98115
FGF8	3.733933	4.261639	4.02483	3.911597	3.849408	4.124385	3.81737	3.828737	3.901081	3.924265	3.945839	3.901618
GPR25	2.940521	3.229972	3.329551	3.458005	3.359234	3.278671	3.194579	3.070562	3.089708	2.840696	3.016712	3.071278
GNAT1	3.650921	3.7763775	3.673711	3.8307695	3.973379	3.8349215	3.87531	3.848125	3.851684	3.804473	3.6059655	3.6913795
UNC45B	3.412674	2.940958	2.866525	2.879278	3.154433	3.359276	3.381429	3.014207	3.159287	3.119625	3.14648	3.01017
DYRK1B	5.4255255	6.424777	5.5521225	5.685719	5.839957	5.537996	5.5200195	5.714186	5.1787425	4.8421055	5.417511	4.8718545
DHRS2	4.371391	4.247914	4.2071715	4.264921	5.106279	6.9018885	7.6489915	5.5934045	4.4857545	7.308054	6.854228	7.420201
ADPRHL1	6.270044	6.635718	6.468567	6.3461305	6.8863835	6.979749	6.6933025	6.926174	6.2357195	6.226201	6.6638525	6.697711
FSIP1	3.06648	2.878336	3.440932	3.20989	3.149155	3.850212	3.018468	3.127084	3.229907	2.767505	3.569693	2.851867
KALRN	3.9905	3.7647685	3.888091	3.932164	3.8860535	4.923607	3.386731	3.619574	4.678662	3.6129	5.8613875	3.672697
SLC11A2	6.98109	6.413707	6.957954	6.560029	6.992756	7.095667	7.402738	7.012157	7.68262	6.482469	7.34458	5.968055
TBL3	5.48488	5.3260355	5.321728	5.590361	5.523318	5.6092195	5.680247	5.3034355	5.546435	5.6899215	5.7223565	5.881386
RPL38	8.686567	8.494805	7.40514	8.973239	8.976894	8.936638	9.269065	9.885477	9.061451	9.40992	10.01383	10.41575
EMP1	9.031356	8.629543	8.143723	7.953472	7.065879	7.814045	7.317411	6.900331	5.260549	6.729985	7.897212	7.845489
RBBP8	9.031174	8.823838	9.326948	9.215742	8.968504	9.144122	9.343242	8.619323	9.893244	9.124174	8.377859	9.056062
SLC24A2	4.096062	4.0652965	3.6085475	4.113363	5.13844	4.8160515	6.520341	5.114371	4.1941325	6.573286	5.152483	6.452257
ROBO3	6.47192	6.869272	6.463432	5.696041	5.805422	5.583717	5.392315	5.710989	7.595371	4.799347	6.459853	6.105336
SYNJ2	6.760952	6.744093	6.195001	6.254292	6.173258	5.684783	4.797589	6.153127	6.332909	5.486523	5.872671	5.492908
MOV10L1	4.2381335	4.5119105	4.378254	4.435161	4.3790075	4.172581	4.2865315	4.400241	5.1514035	4.2637625	4.306522	4.204526
SYCP3	2.4892315	2.3022525	2.485534	2.372424	2.488174	2.5105935	2.5936425	2.4561245	2.371095	3.651279	2.469574	4.174195
GNB3	6.163949	6.399922	6.14492	6.381729	6.054023	5.946311	6.086651	6.222938	6.194515	6.105944	6.136246	6.320058

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
CDC37	9.637465	9.482959	9.235019	9.677149	9.960464	10.203	9.822654	10.02064	10.29719	9.771581	10.22661	9.605107
FANCG	7.723728	7.772254	7.544633	7.882486	6.911221	4.76442	7.608579	6.477074	6.61551	7.921782	7.274067	7.750038
HCRTR1	2.74906	3.223694	2.835484	2.918125	3.137542	3.005767	3.163928	3.118196	2.987912	2.488461	2.959325	2.97304
NQO1	9.60378	9.030437	10.3446	10.84666	10.63299	8.780812	8.652173	10.64704	10.65963	7.879567	8.802785	7.593079
RALGDS	8.423225	8.6515425	8.683604	7.553068	8.3984995	8.4265665	7.663643	8.136863	6.7832295	7.995357	7.848626	7.4712985
RNF128	4.119473	5.163534	4.366881	7.675887	4.438342	8.304792	10.41973	5.20966	4.482657	9.925211	7.394612	10.56871
TRAP1	5.6363775	5.844209	5.750782	5.718381	6.1742815	6.539904	6.3893725	6.179119	5.737255	6.288737	6.2402775	6.404485
LOXL4	7.318498	7.6036	8.4906445	7.987626	7.395221	6.4148675	6.3012845	7.2581905	6.861428	8.1080005	6.7459765	7.8513765
PPEF2	2.592376	2.470955	2.621345	2.369072	2.482836	2.704849	2.604705	2.458546	2.504315	2.642751	2.509653	2.567983
FOXQ1	5.164865	3.822735	4.03842	5.308022	4.077291	4.18985	4.377696	4.273902	4.211726	3.979471	4.39154	3.881688
BMF	5.55777	5.886258	6.222984	6.062492	6.681167	5.652501	5.741149	6.427935	5.63181	5.523666	5.866714	5.712398
HSPB2	6.844697	6.253123	7.136005	7.363766	8.321616	7.70706	6.248618	8.113431	4.988778	4.991564	7.474216	7.337098
RPS14	4.686142	4.694908	4.324129	4.423641	5.185443	4.735144	5.242539	4.988899	4.793149	4.512509	5.208632	4.759503
SRRM1	9.3267785	9.3049395	8.684639	8.986371	9.560908	9.159589	9.9164675	9.465704	8.840849	9.575148	8.8777575	9.767971
DUSP9	4.450239	4.139477	4.36639	4.427392	3.983762	4.310236	4.384057	4.117314	4.109711	4.036899	4.158535	4.427392
DYSF	6.279325	6.59867	6.408481	6.622257	6.435988	7.837101	6.344063	6.534369	8.790891	6.58035	6.91568	6.762698
GGN	4.971189	5.2342955	5.0540865	4.641108	4.814198	4.7645735	4.6852745	4.918402	4.6979825	4.397302	4.941848	4.3424665
NLGN2	6.355363	7.015877	6.755151	6.477417	6.556087	6.346809	6.386569	6.492544	6.339847	6.262638	6.433329	5.95255
SLC12A4	5.77734	6.169921	5.754734	5.877391	5.502529	6.553323	5.862974	5.926697	5.65959	5.530965	5.690742	5.246623
TPPP	3.731866	3.801624	3.8198695	3.958933	3.9722645	3.966959	4.133218	3.8795185	3.926471	3.932406	4.09941	4.2549785
PGAM5	5.2569265	5.234027	5.179782	5.6157605	6.1781275	6.8382235	6.6226835	6.175362	5.7919465	5.2757545	6.310609	5.547526
CCNA2	8.8688075	8.9396085	8.3115605	8.896184	8.7698765	4.9017445	9.8409355	8.4321665	6.231191	8.0153355	7.0994785	7.7352345
OR2F1	4.309098	4.491004	4.679375	4.602954	4.663372	4.639904	4.202187	4.445422	4.384135	4.26291	4.288303	4.219591
DAB2	11.3155	11.32868	12.14112	11.08451	10.29256	10.73275	9.205053	10.42682	10.31892	9.038691	10.00151	9.102964
KIFC1	8.066246	7.513025	7.009563	7.576605	7.000937	5.909657	7.75818	6.592201	5.994967	6.690392	6.300481	6.241583
FIGNL1	7.415967	6.7873685	7.248109	6.8585215	7.014353	6.8503955	7.745406	6.9426805	7.137995	7.5198155	6.570916	7.2169755
ETF1	10.268398	9.622422	9.988715	10.40315	10.42311	11.20166	10.63553	10.39341	10.468342	9.4346695	10.41531	9.44318
DBI	11.08777	10.83035	10.66265	11.16044	11.75073	11.48056	11.94419	11.64499	11.15967	10.80055	11.02783	10.61309
ADAM18	2.980364	2.9687255	3.028042	3.069211	2.9494355	3.36807	3.1271805	3.240381	3.1639035	2.842311	3.298027	3.576621
NUP107	8.728827	8.586836	8.716288	8.747399	9.257658	8.601755	9.556528	9.036201	9.06503	9.372331	8.806968	9.505568

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
AS3MT	4.447903	6.638132	6.134001	5.244955	4.614117	4.108116	5.123613	4.793294	6.461729	5.42869	4.504236	4.59871
ISG15	7.905845	7.551937	8.039147	8.939568	9.909472	7.28077	10.34661	10.10336	13.19271	9.985126	13.13313	10.88907
LAMP1	10.0151865	10.366856	9.80902	10.1024195	10.553284	11.676635	10.071131	10.5131425	11.32663	9.234334	10.691199	8.8724065
FAM90A1	4.477999	5.021269	4.656009	4.92942	5.16466	5.31518	4.783823	5.167181	5.103568	4.639311	5.492375	4.52641
CBLN4	3.682028	3.626246	3.6556015	3.586155	3.5828395	3.58871	3.618084	3.597865	3.553089	3.547734	3.497372	3.4977285
ARFIP1	8.407583	8.3111155	8.2745435	8.2401015	8.234389	8.4379435	7.9891865	8.164075	8.528949	7.211813	7.783983	7.2738075
HMOX1	10.50591	8.832743	9.961244	8.850206	9.48708	8.634205	7.196935	9.221173	10.95661	7.953898	7.755031	7.763059
GANAB	10.66299	11.153815	10.65857	10.563215	10.050661	9.711516	9.891687	9.900452	9.639557	9.9558035	8.9025445	10.034434
ARF5	9.304199	9.580089	9.240923	9.620305	9.500727	9.040694	9.41004	9.29794	9.749338	9.880755	9.37214	9.449853
C1QA	4.728209	4.830144	5.171548	4.858071	5.288975	5.235545	4.884546	5.152686	5.054808	5.170449	5.370011	4.912338
HYPK	7.5004365	7.4765225	7.377831	7.751122	8.324756	8.2370145	8.432366	8.5137115	8.299749	8.033745	8.3733645	8.5040745
NPEPL1	6.284311	6.064733	6.4834005	6.762483	6.5023815	6.7347605	6.7492815	6.4794355	6.490967	5.722651	6.4692505	5.6203065
RNF150	4.5944645	4.533947	4.8501755	5.18236	3.958245	4.2036855	5.840968	4.0995795	6.75964	7.4805685	5.0189665	7.446149
DNAJB1	7.858655	8.245111	8.167948	7.888345	8.275012	9.152707	8.61549	8.208298	8.356037	7.638137	9.388124	7.261365
EMILIN3	9.070691	8.183048	7.799197	6.324066	6.583452	6.014265	6.817316	6.57488	6.067879	6.230263	5.926327	6.483394
CORO2A	3.6467025	3.353931	3.989599	3.8176145	3.6222355	3.8989375	3.659819	3.8977085	5.098549	3.7124435	4.093279	3.675559
PDP2	7.126003	6.3108995	6.436109	6.8774165	6.418159	7.5952535	6.6932695	6.183396	7.3641055	5.668669	6.7209745	6.598859
PRDM12	6.026801	6.427916	6.287343	6.060567	6.131635	6.115473	6.024709	6.123884	6.479777	6.348875	6.537726	6.294013
SLC35C1	6.9834905	7.038594	6.9002985	7.2665205	6.857255	8.6105465	7.108293	6.672305	7.228575	6.830525	7.328446	6.660991
FOXL2	4.467	4.181422	4.115387	4.112125	4.380331	7.923886	5.327399	4.814662	3.867274	4.849215	7.971132	6.744192
PHF8	3.950572	4.269555	3.971666	4.100494	3.881859	3.709049	3.999884	3.892521	3.8285	3.350303	3.924877	3.584327
TXNIP	10.472	10.74504	10.16099	9.970464	9.789118	10.594	9.564879	9.979496	10.72504	10.13771	11.58744	9.730642
CRYGB	4.922922	4.731437	5.14648	4.731437	4.874185	4.79237	4.583053	5.086394	4.624548	4.673058	4.83991	4.844627
EPM2AIP1	8.516027	8.039938	8.324929	8.240705	8.19562	8.189767	8.141609	8.022765	7.768184	8.652575	7.222687	8.561588
DYNC1H1	5.366205	5.742621	5.416114	5.187263	5.472929	5.713582	5.624826	5.452624	4.963414	4.960563	5.405005	5.285854
PPAT	6.933605	7.192492	6.850796	7.551819	8.229721	8.93066	8.914042	7.958188	7.605064	7.98584	7.837626	8.074791
CACNB2	3.5216125	3.622587	3.2009255	3.3779905	3.3424775	3.0717275	3.318656	3.215804	3.1601075	4.0241805	3.2611395	3.4409765
CSNK2B	11.01221	11.07479	10.9058	10.96024	11.11918	11.02721	10.94884	11.09406	11.02216	10.93289	11.28713	10.93314
ALDH3A1	4.908187	5.327206	5.166847	4.833956	6.867259	8.137838	5.489491	7.24287	4.566196	4.464858	9.244183	5.493804
SPRR2B	5.509501	5.485021	5.168496	5.409503	5.279997	10.87257	5.281777	5.203312	4.927157	7.561188	12.41093	6.936522

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
XKR7	4.368671	5.285865	4.389675	4.994606	4.403116	4.003152	4.206088	4.388734	4.209746	4.284461	4.736555	4.360873
MIA3	8.144183	7.509773	7.877644	7.254804	7.276257	7.432466	6.509111	7.143417	6.926221	7.484707	6.525248	7.235151
SLC7A4	4.6632675	4.688272	4.746052	4.6087935	4.899118	4.967734	4.715549	4.825536	4.7883515	4.6789535	5.0066015	4.5123
PCDHB15	3.634314	3.6127825	3.498749	3.2347285	3.7696085	3.346248	3.356417	3.9027885	3.7797805	5.043712	3.5413685	3.8098575
IER5L	7.1402015	7.5992865	7.65156	7.083089	6.795968	5.8556075	5.618226	6.456402	7.002881	5.876698	6.2541115	5.4762415
CRYGD	5.51302	5.136471	5.506273	5.265162	4.966217	4.942483	4.790045	4.988363	4.809031	4.814254	5.157032	4.628811
GLIS1	4.450907	5.389925	5.301665	5.760313	5.986866	5.212656	5.926953	6.522406	6.131988	4.95229	5.716227	5.898555
SH3BGRL	10.4359565	10.685889	10.473374	10.254763	11.20326	10.6224585	10.470501	11.17727	10.3112005	10.2440545	9.6543295	10.295303
SCD5	6.374026	6.282501	6.1429505	5.4456725	5.189394	4.7826225	4.7491	5.111866	4.9442975	4.8418145	4.707741	5.092357
UBE2U	2.514763	2.4793075	2.6814935	2.549044	2.5971145	2.6279895	2.4338535	2.5567615	2.518503	2.623335	2.658633	2.5233095
WARS2	7.101091	6.530635	6.983756	6.740333	7.520808	7.201109	7.951172	7.465137	6.837815	7.017838	6.649673	6.776251
TARP	3.567589	3.705709	3.792994	4.05254	3.900518	3.755411	3.745858	3.871559	4.120147	3.567589	3.862893	3.335963
PIGO	5.963806	6.153868	5.591664	5.835303	5.818238	6.374341	6.319769	5.923407	6.543647	5.599241	6.092992	5.505442
FMNL3	5.4287965	5.2637465	5.1702275	5.0405515	4.361248	4.443894	4.135074	4.147784	5.135206	5.3566095	5.1553925	5.102402
DUSP10	7.1736225	8.5238105	7.282307	8.40295	5.380198	6.0634245	5.709313	5.192399	9.2109195	5.0201525	7.580593	4.693618
F12	4.7110205	5.089623	4.759229	4.986959	4.9414435	5.2554145	4.8714315	4.9639775	5.358605	4.5361485	5.204883	4.942837
EEF2	12.425895	12.647795	12.843675	12.998625	13.26897	13.2784	13.34669	13.293245	12.42311	13.29934	13.122865	13.338475
CBX5	6.0565565	6.1300655	5.814044	5.751824	6.714408	5.9657485	7.2980775	6.3521205	6.2327065	6.24126	5.830507	6.5332185
PTPRS	4.308422	5.672535	4.721364	4.942988	6.280756	6.268992	4.861906	6.148873	5.247015	6.563814	5.051564	6.00524
MYRIP	3.3228955	3.45071	3.271618	3.7001125	3.6956885	3.5990465	4.3241825	3.5713205	3.505139	5.4348085	3.2097265	5.9657635
BICD1	6.718244	5.91702	6.181969	6.418862	5.441163	5.057468	6.520623	5.499964	6.408014	5.946486	5.114388	6.038297
CCKBR	3.3665045	3.5774955	3.527185	3.6411285	3.7538325	3.660733	3.786717	3.848685	3.6597995	3.7453565	3.9506155	3.628165
ACTR3B	6.8663655	6.3699225	6.738776	6.919728	7.724233	8.405679	7.941045	7.636897	5.9487255	7.684209	7.5823815	7.8928455
CLIP2	8.028769	9.078135	8.622992	8.70149	5.889691	5.908993	4.948305	5.276004	6.964214	7.19537	7.522738	6.650611
PTPRN2	4.422204	4.851583	5.000053	4.732896	4.812943	4.568057	4.398444	4.869643	5.165529	4.099433	4.752831	4.274011
TNIP1	7.313218	7.3263245	7.402083	7.42636	6.2995205	6.818766	6.0940375	6.13632	7.0701895	6.7945	7.2902485	6.5851005
USP1	9.217946	9.2074065	9.2401585	9.047967	8.9034855	7.6033095	10.118593	8.557293	9.308705	8.4981675	7.697556	8.674564
BTG3	7.0040055	6.923904	6.9796955	6.7675585	7.381501	6.906352	7.3943045	7.4271265	6.9389485	7.4677555	7.460774	7.0416495
SUPV3L1	7.384917	7.451483	7.610813	7.662963	8.400087	9.229325	8.802117	8.34128	9.249426	8.404711	9.596582	8.858049
ZNF384	6.968958	7.2156365	6.9565705	6.7740085	6.7533415	6.655343	6.522024	6.794613	6.8910325	6.7815815	6.7029225	6.6073805

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
SLC17A2	3.664794	3.303129	3.321869	3.070402	3.250124	3.343285	3.215624	3.273525	3.292753	3.155532	3.33763	3.006423
SART3	7.774716	7.670016	7.560971	7.4131725	7.9685005	8.141939	8.510577	7.8233335	8.381252	7.7790855	8.8125075	8.165707
SAMD10	5.7667915	5.6652065	5.6127335	5.6173395	5.8662895	5.734568	5.6941555	5.8148185	5.69429	5.548171	6.122783	5.687076
CLC	4.088622	3.775109	3.554271	4.414663	3.943441	3.943441	4.057995	3.930078	3.692837	3.3127	4.026494	3.873289
FSCN2	3.205991	4.069106	3.565093	3.619861	3.141692	3.526255	3.475555	3.205991	3.745872	3.575904	3.647713	3.30783
OR7E156P	5.717434	5.619663	6.078592	6.068948	6.259865	6.31288	6.200569	6.235853	6.410811	5.583018	5.83035	5.206348
CETN3	9.409968	9.603414	9.160601	9.561597	9.834265	9.138059	10.04571	9.804011	9.349951	9.813243	9.827615	9.956515
MAGEF1	7.44364	6.866683	7.23472	7.458972	7.688737	8.016157	8.075553	7.59771	7.687666	7.901519	8.16043	7.967845
PRRX1	11.16537	11.22503	10.90432	10.03907	11.28156	7.816002	6.870906	11.16908	7.24118	6.779864	7.90344	6.81321
WIF1	5.683393	3.497977	3.427769	2.955509	2.926501	3.016272	3.046803	2.931014	2.935892	3.609622	3.34042	2.954896
CD22	4.027264	4.196258	4.0531805	3.6833155	3.747115	3.6470175	3.5867525	3.9296895	3.6428195	3.5423645	3.723845	3.5334955
TAGAP	3.177716	3.140257	3.085925	3.387819	3.286851	3.876559	3.076527	3.260904	3.436163	2.930068	3.670712	3.162809
TSFM	5.50011	5.343417	5.411818	5.693256	5.846917	6.99152	6.255517	5.693256	6.346754	5.585806	6.393222	5.767642
ARHGEF10L	5.3732055	5.0316475	5.1622855	5.144673	5.132673	5.174356	4.5587	5.1349945	4.9330445	5.276744	5.834898	5.167575
PCCA	3.806819	3.310265	3.310265	3.274382	3.328445	3.289258	3.205991	3.276763	3.089665	4.037031	3.732666	3.424067
PMS1	4.18635	4.486311	4.277209	3.984001	4.233051	4.134965	4.104498	4.712838	4.551995	4.316284	4.683895	4.304201
MOV10	7.3333435	7.662783	7.1548965	7.191684	7.5726085	7.152023	7.816803	7.617293	8.20395	7.42803	7.512022	7.2832495
RAB11FIP1	5.355401	4.964958	5.078803	5.086025	5.101069	4.71835	5.00808	5.031434	4.982431	4.987936	4.80336	4.623788
MEIG1	4.803167	4.458328	4.990147	5.10513	5.80113	5.555852	5.388244	5.762503	6.060956	5.492505	6.132019	5.630262
ITPKC	6.106487	6.037221	5.884085	6.577463	5.822289	6.35553	5.430285	5.643505	6.185657	6.229576	6.615597	5.985134
NPAS2	5.237613	6.368165	6.175056	5.563145	4.287593	5.917906	6.241822	4.315286	5.825489	6.306378	5.592542	6.806866
OR51I1	4.634066	4.592452	4.568563	4.657721	4.851863	4.385969	4.312057	4.903226	4.660952	4.624828	4.937639	4.144422
SDF4	10.029075	10.052344	10.13881	10.0283565	10.01624	10.826955	9.833383	9.975412	9.3569705	10.00975	9.635468	9.8828145
GNA14	4.0021155	4.0458635	4.1568495	4.0484005	4.3298905	5.1259785	4.253177	4.487644	4.4559595	3.8148455	4.3550375	3.924713
SLC24A3	3.4965595	3.681921	4.003559	3.740601	3.485896	3.5023835	3.351429	3.563216	4.399886	4.4533095	4.1886675	4.07079
TSLP	4.904305	3.110615	3.000025	4.850481	2.803787	3.001049	2.869382	2.815991	5.954642	3.641972	4.402075	3.56308
CTSE	4.993908	4.925156	5.078288	5.000705	4.93845	5.190052	4.752672	5.000199	5.00434	4.847433	5.274098	4.991826
PAGE4	4.057765	4.380758	4.058416	4.024878	3.877222	3.858802	3.849426	4.180623	4.004272	4.02522	3.854496	3.849611
OR2H1	4.543554	4.764066	4.584836	4.621686	4.70643	4.493336	4.67647	4.697557	4.618969	4.624828	4.386042	4.645215
RAB1A	9.9509995	9.7534615	9.741577	10.125963	9.6797415	9.592065	9.731901	9.867039	9.642994	9.060628	9.302028	9.0046735

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
ABCA9	3.41269	3.160249	3.388288	3.616559	3.546684	3.438691	3.223916	3.613521	3.760122	5.290035	2.978514	4.242879
NDUFA3	9.892127	10.17282	9.3928	9.844606	10.95771	10.59615	10.8281	10.89004	10.28126	11.19426	10.4831	11.10889
TNR	4.254135	4.153201	4.419188	4.030712	4.220396	3.961999	4.06672	4.199922	4.088764	4.041125	3.905181	3.813014
MMRN1	2.734584	2.643652	2.467969	2.397466	2.601981	2.768116	2.704257	2.625623	2.632239	2.51629	2.627717	2.63543
CLPB	6.299536	6.7591125	6.353606	6.4273535	6.6244365	7.089552	6.8933065	6.63824	5.785044	6.2340105	6.4236235	6.4167655
SOX18	3.838505	3.85095	3.952266	3.794016	5.442999	4.476247	3.686146	5.428264	3.281248	3.928526	4.131047	4.133919
NRG2	3.90214	4.314954	3.749896	3.801871	3.457818	3.939601	3.566914	3.509886	4.114353	3.726885	4.242993	3.50111
STK32A	3.1398425	3.267983	3.253076	3.24169	3.0914165	3.284738	3.5137345	3.217016	3.1601445	3.12994	3.536894	3.113805
COIL	7.3094715	7.311095	7.041414	6.9919845	7.498153	7.7970855	7.730845	7.560235	7.4770945	7.0455185	7.5077975	7.147852
PCOLCE	11.75131	11.82978	11.58586	11.26776	11.45109	9.420266	10.2988	11.3814	9.394214	11.32813	10.41887	11.17161
RNF17	3.1045915	3.26631	3.3857375	3.3344105	3.4490125	3.2299545	3.3685625	3.461347	3.35337	3.183637	3.313295	3.2998315
SPINK2	4.613052	4.282934	4.476719	4.693065	3.823523	3.972103	4.234754	4.067432	3.869106	3.550969	4.063561	3.522703
MKKS	8.4561305	7.717614	7.938995	8.3087725	9.335729	9.69498	9.76189	9.381387	9.033098	8.798562	9.453081	8.9866685
VPS13A	5.3386655	5.0250235	5.631203	5.689959	5.025639	6.221698	6.216386	4.924618	6.1671735	6.3703735	4.1425735	6.703483
EPS8L1	5.6454	5.490266	5.214151	5.200702	5.099191	5.077682	5.065445	5.171429	5.433553	4.997094	5.189748	4.752447
DDAH2	7.78548	7.857077	8.345531	7.734144	7.361919	7.564919	6.722789	7.312054	7.995273	8.350888	8.687802	8.055527
MLLT11	9.068325	8.506247	8.684756	9.491881	8.704399	7.106055	8.327178	8.538872	11.17793	10.04119	8.89151	9.057556
DIO2	5.885728	5.396076	6.125653	5.682182	6.340989	7.439507	7.134928	6.453954	4.850764	4.519716	6.207678	5.835066
GPHB5	5.164865	5.366419	5.72303	5.409349	5.213317	5.057095	5.187171	5.258434	4.972096	5.156208	5.220239	4.938813
CCDC68	2.890244	3.142743	3.166677	3.204247	3.161583	2.997383	2.79999	2.824619	4.996332	2.809555	2.97595	2.949824
CCDC65	2.922626	2.986783	2.886138	2.886914	2.745665	2.703052	2.719576	2.759295	2.733449	2.66478	2.962754	2.647546
RPL6	13.08387	13.32884	13.26497	13.27119	13.34581	13.22757	13.39251	13.36128	13.09337	13.32923	13.26921	13.25655
METTL7B	6.06429	5.185985	6.961311	7.436686	5.18674	4.643705	5.332877	5.418097	5.17223	5.168211	4.67429	4.796425
SERPINI2	3.607937	3.586676	3.958753	3.629347	3.684625	3.719422	3.809083	3.752651	3.409968	3.266593	3.857392	3.426722
RFX4	3.296637	2.823524	3.089618	2.848063	2.600834	2.64779	2.627281	2.537636	2.552312	2.722775	2.78576	2.347587
SYNGR1	5.917778	6.155591	6.497892	5.65164	5.972653	6.188173	5.679743	5.987843	6.516996	6.096279	6.230737	6.351012
FBXW7	6.6603825	6.66592	6.6882425	7.0239385	8.963647	8.8768415	8.310884	8.979057	7.037057	7.4769175	8.3217095	7.719137
WDR5	7.270597	7.5779175	7.5760895	7.707975	7.6457815	8.1505425	8.2364185	7.360149	7.446673	7.677235	7.927076	7.6046965
ENPP1	6.118697	7.7184315	6.9798345	8.828524	6.2421155	8.6170435	8.417546	6.447517	5.47874	7.863326	5.082192	7.7477145
NETO1	3.3393235	3.414114	3.3580195	3.183918	3.3489185	3.054596	3.2932875	3.3303755	4.2086795	3.4401065	3.3196	4.473119

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
PHLDB1	5.277972	5.642354	5.398988	5.358928	5.39445	5.271081	5.445179	5.68284	5.731328	5.487922	5.628716	5.51939
PARP14	4.9115745	4.654786	5.13474	5.2168945	5.3416635	4.989972	5.526846	5.34602	6.643443	5.7430585	5.9352965	5.7611705
CBX6	8.4619205	8.83473	8.713935	8.8387825	9.1977215	10.402155	9.4095875	9.14713	9.133695	10.15614	9.78648	10.55817
MOSPD2	7.6718555	8.370604	8.1883935	7.689157	7.5176885	7.6125955	7.151936	7.5698875	8.2731735	7.9598535	6.530793	7.75068
ZNF703	7.781359	8.154796	7.829204	8.438704	5.335393	6.866086	4.948591	5.546365	7.101536	5.568906	6.535663	5.411573
TBX5	5.3869835	5.997312	5.003238	5.2248675	4.0576005	3.9938465	4.075288	3.903665	3.7428955	3.7539875	4.121592	3.708117
GATA6	5.2059865	5.933145	5.7008785	6.801112	4.0669845	5.532901	3.988404	3.812179	7.0738375	3.803963	6.451803	3.9476695
RCN2	10.526575	10.55983	10.62772	10.577075	10.96472	11.34874	11.347655	10.995745	10.50777	10.444864	10.63507	10.2740595
TULP4	5.784758	4.327947	4.490922	4.823061	7.327854	7.30232	7.850096	7.388621	6.876754	8.605286	7.927213	8.561287
PANK4	7.630092	7.571646	7.54759	7.566156	7.74315	7.570137	7.783352	7.65489	7.301106	8.36048	7.702322	8.183221
LMO4	6.84308	5.83812	5.593956	6.098916	5.855116	5.31768	5.764166	5.735242	5.911066	5.678443	5.699039	5.837101
MAGED2	10.023232	9.9069235	9.5218455	9.797932	8.687357	8.0258565	8.3924365	8.6862035	9.84908	9.9521315	9.1769245	10.0664885
TTTY10	3.601901	3.524489	3.620097	3.623766	3.676057	3.891926	3.781822	4.23185	4.13594	4.170013	4.051226	3.565093
KIF5C	4.35882	4.70902	4.573948	4.680675	4.579938	4.539048	5.174839	4.593855	4.638714	4.530238	4.942383	5.341588
TSPYL2	8.412477	8.833084	8.981976	8.482995	8.335018	8.108514	7.956131	8.235525	8.267917	8.386765	7.952037	8.297195
STAR	4.569709	4.407094	4.444215	4.260127	4.346279	4.33303	4.733134	4.241704	4.406609	4.217268	4.304402	4.123782
FGF6	5.613888	6.143107	5.871159	5.813688	5.817572	5.988478	5.599961	5.916975	5.748663	5.785442	5.734786	5.530921
ZNF598	7.441382	7.921002	7.6426345	7.267874	7.1480225	7.5417995	7.387635	7.152514	7.0655005	7.067148	7.349794	7.1106255
ARID5A	6.305102	6.562907	6.855077	6.247898	6.400877	6.18316	6.699527	6.577345	5.956732	6.436497	6.268795	6.392818
UNC13A	4.9123245	4.7138145	5.154237	4.794065	4.9532305	4.8842205	5.146397	4.8756335	4.9936575	5.807022	6.357065	5.5071865
MS4A1	3.205201	3.4406805	3.3676	3.5445	3.2761935	3.26519	3.2052645	3.5017845	3.4437265	3.2221005	3.1531825	3.2299365
EFHC2	2.7998705	2.8681955	3.080538	2.957621	3.7149815	3.8319485	3.4217805	3.911406	2.7940985	3.094143	2.928651	2.8830105
BBS2	8.145621	8.401778	8.714849	8.208464	7.89552	7.769716	6.735836	8.001407	8.194617	7.446189	8.085537	7.563441
CXXC4	4.1681385	4.4671725	4.396684	4.29722	4.3454845	4.1356375	4.2912905	4.489749	4.4746355	4.0472655	4.3163995	4.48197
XBP1	6.9931785	7.017477	6.8896505	6.911093	6.4692455	6.468057	7.1161375	6.692098	6.8531835	8.168744	7.1600575	7.9942425
NPM3	7.215935	6.813633	6.559692	8.175264	8.558426	8.034451	9.345054	8.547773	8.479778	8.287996	8.571503	7.246343
KCNA6	3.808708	4.218227	3.758768	4.010132	4.250463	3.886764	3.842339	4.457982	4.08576	4.038678	4.299591	3.781822
PRB3	6.191794	6.334069	6.030663	5.855219	6.188768	6.073784	5.448754	6.046141	6.241583	6.38514	6.378788	6.218405
ISLR	11.17052	11.81947	10.73264	11.06888	5.905653	5.113741	4.807808	5.753043	5.0275	5.109365	5.132613	4.815184
OPTC	5.420447	5.480724	4.93347	5.269556	5.414756	5.016175	4.606514	5.124938	5.165676	4.90328	5.248409	4.971987

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
CSK	8.488174	8.213509	8.538416	8.716516	9.11526	10.49103	9.02014	9.029331	8.442253	8.460495	10.22492	9.516074
CDC42	9.13571	8.790289	8.420544	9.00303	8.776308	9.293341	9.264965	8.672831	8.620848	8.392386	8.771309	8.300127
OXR1	7.307527	7.397581	6.89823	6.928762	9.017968	8.401608	9.061699	9.064672	8.572324	9.007626	8.479711	8.673898
PLCXD2	4.177798	3.982827	3.7898575	4.109766	4.1067085	4.499668	3.9983995	4.1297625	5.479286	4.669355	4.446968	4.6387515
IMP4	9.068256	9.092922	9.109645	9.232524	9.252792	9.480529	9.816025	9.133554	8.788129	9.102197	10.15598	8.898744
MPPED1	4.8497495	5.020928	4.950015	4.9594345	4.928967	5.108751	4.840849	5.002687	4.8170715	4.8872385	5.159975	4.971543
PRPF39	6.554294	6.893855	7.179129	7.459382	8.525084	8.344954	8.383566	8.713812	8.468816	8.355148	7.583963	8.577124
GNPNAT1	9.770095	9.799761	9.641219	9.738545	9.796185	12.14796	11.17735	9.636297	8.981187	9.913605	11.37416	10.46412
FADS3	8.6664875	8.5788905	9.1742795	8.5115885	7.6307055	7.995939	6.352896	7.7317245	9.7272715	7.9300445	8.562047	6.657472
MYO5A	7.360181	6.513401	6.713662	6.917449	7.0699665	6.7246695	7.1777895	7.1670065	5.899166	5.7940885	6.233178	5.744417
SUOX	5.8980275	6.1247945	5.8336145	6.2839835	6.4191455	5.781662	6.348623	6.28042	6.3879645	6.1764585	6.0737955	6.0951895
NRIP2	4.110541	4.273307	3.939667	3.85734	4.060516	3.83684	4.280969	4.143343	4.096943	4.036695	4.180118	4.375041
HSF1	6.020852	6.748219	6.137077	6.1443645	5.9762895	6.4259575	5.8840755	5.9480815	5.8456105	5.681805	6.1060895	5.6543015
COL5A3	8.987792	8.463199	9.5549375	8.9692785	5.897312	5.587492	5.4879035	5.843829	5.8611395	6.587463	5.8768555	5.6507605
ZNF232	6.884102	6.608175	7.190509	7.076814	7.363336	6.950129	7.913531	7.126301	7.041825	8.012855	7.593861	7.877302
FBXL12	6.87989	7.0818765	7.2097955	6.5884335	6.762485	6.6013025	6.6409075	6.688322	6.923931	6.653608	6.641314	6.6747625
IFNA1	2.931662	2.878565	2.878565	2.840758	3.041873	3.140332	2.729847	2.946449	2.980587	2.919178	2.995026	2.931014
THRAP3	6.1361595	7.200165	6.418861	5.9616115	8.5047235	7.990283	8.5309695	8.4157175	7.52874	7.9847095	7.7891355	7.989444
KBTBD11	4.907276	4.925156	5.604924	4.795902	4.868207	3.873357	5.673314	4.8976	6.865464	7.549462	4.903335	7.605477
MXRA5	10.02807	11.43442	11.60525	10.10022	10.71742	4.603487	5.435501	10.67303	5.811643	12.08629	4.404808	11.21813
LRRC29	5.260498	5.790871	4.816136	5.266586	4.860296	4.904377	5.057441	5.168114	5.16697	4.964205	5.19856	4.719364
MAPT	4.775394	5.017723	4.961753	4.877994	5.1197215	5.2585595	6.076588	4.8780665	5.1125235	6.249009	5.389659	5.9741745
SLC26A10	5.315084	5.072926	5.168218	4.489223	4.747429	4.763311	5.307606	4.898197	5.281211	6.278739	4.595688	6.120667
NOSIP	8.357558	8.087763	7.881319	8.695528	8.923604	9.15183	9.012838	8.84526	8.961354	8.760469	8.960984	8.875998
PARP12	6.412581	5.965693	6.614659	6.988084	7.10226	8.015316	8.521574	7.040744	9.408856	7.700473	9.702833	8.54056
MRPS11	7.0197055	6.5871605	6.481294	6.799014	7.473675	7.2610525	7.5869885	7.364597	7.123726	6.953035	7.26616	7.1731645
UBE4A	10.08222	9.454526	9.774845	10.10789	10.47217	10.54432	10.46231	10.47249	10.31398	10.08428	10.19004	10.09354
PROM2	5.651315	6.102637	5.572638	5.684557	5.309406	5.329823	5.174839	5.335585	5.098619	5.291919	5.265689	4.896073
ANK3	3.44879	3.741706	3.602966	3.402323	5.670115	5.066603	5.735767	5.711173	5.407304	6.024191	6.148328	5.283075
ALDH6A1	7.223248	7.696241	7.172369	7.320417	5.835373	5.643229	5.933261	5.843396	6.124975	6.179196	6.396743	6.919345

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
SYTL5	3.4699685	3.5705775	3.59428	3.2552215	4.4632735	4.728619	5.1993725	4.4402905	3.632832	5.6344215	5.2886935	5.9189205
GIPC2	3.23275	3.344203	3.370533	3.7756395	2.622161	2.7598475	2.6619325	2.791506	3.088971	2.778896	2.779181	2.8279325
ARL2	8.335171	8.656927	8.857105	9.002317	9.420617	9.07341	9.167162	9.344536	9.588961	9.53699	9.720381	9.212744
ZDHHC1	4.8627775	4.937233	4.850911	4.734618	5.1258315	5.185133	4.965664	4.9505775	4.9896735	5.07752	5.0206955	4.9652895
MYOM1	4.253331	4.764668	4.425338	4.6342	4.786277	4.386004	4.141809	4.535755	4.536331	4.336091	4.50347	4.387071
LETM2	5.0096005	4.9644045	4.519899	5.410516	4.9713505	6.1457025	4.7457415	4.784939	4.9819435	4.333508	5.4349735	4.307717
DPH5	8.696666	8.680769	8.55962	8.643555	9.346884	9.305364	9.737548	9.311279	8.804132	9.534303	9.559537	9.259782
SP100	5.711468	5.7596915	5.493357	6.0329905	6.6122495	6.833398	6.7062615	6.6611995	7.4573405	6.142476	7.1685585	6.8138955
MYT1	4.81801	4.764034	4.934908	4.504325	4.713264	4.513256	4.520594	4.5817	4.394375	4.460433	4.725482	4.266054
LAYN	3.863364	4.079835	3.595525	4.992322	3.045798	3.154513	3.017599	3.403104	4.140315	2.698436	3.011375	2.758825
ACSL5	5.315239	4.9944485	5.0733025	5.2664875	5.323913	4.812605	4.701562	5.2398905	7.1242645	4.725223	4.826397	4.664972
RASD1	6.876983	6.819619	6.43577	6.946098	5.569788	5.456544	5.382983	5.450549	5.657135	5.453651	5.577178	4.928985
POU3F1	3.571668	4.0639985	3.6492625	3.7276475	3.6997115	3.7780125	4.683502	3.9083895	3.3474165	5.13576	3.7488865	5.928781
OR1A2	2.887692	3.083136	2.676651	2.783146	2.732456	2.699399	2.921271	2.753729	2.786661	2.699399	2.867808	2.765306
UBOX5	6.5801185	6.527223	6.633596	6.475344	6.12252	6.047767	6.229263	6.1891845	6.3286255	6.1384935	6.0575195	5.970106
H2BFXP	5.0666765	4.915386	5.1129795	4.536725	3.548977	3.598002	3.6089145	3.675371	4.8681345	4.288458	3.8270315	3.901255
ATM	6.591759	6.145708	6.61535	5.948204	6.044961	6.222581	5.5912835	5.9033335	6.3691465	6.016081	5.4646235	6.2571865
FOSL2	7.830591	8.706425	8.312881	7.88722	7.117482	6.320423	5.973861	7.120176	5.850875	6.44764	6.43287	6.299206
ZNF408	7.389949	7.734298	7.257649	7.288867	7.222221	7.376164	7.226411	7.250618	7.521216	7.10066	7.687858	7.451011
ZIC1	3.598732	4.139791	3.8278995	3.7899215	4.1829065	3.945167	3.931704	4.202619	6.4853825	3.820499	3.6502825	3.8146555
IFNA6	2.7635	2.747111	2.799388	2.658559	2.705343	2.901799	2.664779	2.797697	2.501076	2.746207	2.664779	2.747553
KCTD4	4.320044	3.791366	4.1358755	4.311485	4.959497	8.2883195	4.2386745	5.6556205	4.942112	6.2531545	9.1253805	5.819325
MAL	4.420845	4.493132	4.229176	4.713264	4.812734	6.167121	4.479531	4.877202	4.661929	4.144952	4.273265	4.341634
PRRX2	10.58529	10.54801	10.15668	9.75107	9.896414	7.162584	8.764888	9.721053	6.722724	8.328112	8.202299	8.597502
TINF2	8.941899	8.855452	8.878285	8.609387	8.416583	7.439777	8.546939	8.366986	8.461024	7.986557	8.154243	7.66415
RPL3	13.28851	13.26255	13.48317	13.39719	13.42966	13.03975	13.4071	13.46492	12.90238	13.47403	13.43572	13.54239
RBP5	4.762163	4.868645	5.152879	4.673296	4.79375	4.697453	4.273819	4.568212	4.620265	4.314843	4.607864	4.079274
FBXO44	4.93377	5.6176195	5.4678345	5.3141455	4.953769	4.7942905	4.9492565	5.009441	4.7837685	4.7584185	4.900164	5.0088115
ASPA	3.9907765	3.9035395	3.9990355	4.439137	7.4356775	6.872643	8.8144	7.608769	4.0651685	7.5948485	4.905098	8.1780025
SPANXB1	3.24867	3.43957	3.546836	3.155999	3.213229	3.44171	3.163968	3.20146	3.386269	3.135335	3.427288	3.242131

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
RAB12	6.190909	5.714571	6.279533	5.831085	7.264412	7.305226	9.509114	7.506627	7.029181	9.452133	8.389422	8.442057
PLCB3	6.579887	6.634204	6.598897	7.170227	7.581654	7.529829	7.122221	7.262035	6.298857	7.013114	7.179907	7.16451
TMED9	10.744065	10.531343	10.606312	11.150195	10.367973	11.31423	10.696815	10.367227	10.819905	10.547159	10.4668045	10.3809805
CAMKK2	6.9512105	7.167065	6.8039885	6.668693	6.7013	7.5929125	6.8016425	6.574095	6.0496915	6.23489	6.909322	6.2339075
MT1M	6.321925	6.681079	6.988523	5.683784	4.400761	3.781823	3.01175	3.812686	4.008077	2.66478	3.196659	2.395829
STK32C	6.358957	6.5450035	6.229111	5.896142	6.125211	6.3454695	5.9234595	6.061308	6.1618525	5.5638375	6.277523	5.447193
TTC5	5.304654	4.753772	5.582362	5.935909	5.732501	5.642271	5.849776	5.565597	6.182647	5.660925	6.154952	5.880414
CAND2	4.286032	4.8821165	5.202415	4.6199595	5.5485255	5.0881805	5.573218	5.652677	5.9539135	5.791813	4.910383	5.865992
GAS2L3	7.384155	7.2859785	6.892597	6.890922	6.8611235	5.124768	7.332994	6.6787025	5.854756	6.620949	4.563647	6.670029
KIF3C	7.8679245	7.652851	7.71407	7.650382	6.7141455	6.3810245	6.5205635	6.8377675	7.0568315	6.8603065	6.625446	6.3901535
CUL7	7.1076455	7.490846	6.884504	6.673965	5.4960145	5.4055785	5.4894825	5.5456725	5.525442	5.647616	5.474986	5.5602055
RHPN2	4.442245	4.585845	4.958555	4.560198	5.66566	7.303018	5.951316	5.909509	6.664404	6.238393	6.274162	5.027342
CYP4F3	2.783749	2.670022	2.846115	2.896205	2.68698	2.579547	2.655851	2.903361	2.875614	2.814461	2.834072	2.778404
CDH24	5.726827	5.7896825	5.7268315	5.9174795	5.73513	5.372752	6.362621	5.8219375	5.677701	5.687249	5.5393025	6.102933
LTB	4.769417	4.987009	4.678958	4.5500545	4.661509	4.3605375	4.566131	4.608132	4.4606255	4.575219	4.5835705	4.6331655
HPS5	8.074588	7.680653	8.154166	8.24212	8.970355	9.723288	8.68475	9.229068	9.270538	8.61109	9.00405	9.140552
UBE2L3	9.38026	8.942519	9.2740195	9.3715605	8.884788	9.379298	9.1501645	8.7641915	9.496702	8.205091	8.841067	7.983454
CCDC28A	8.292659	7.98722	7.655247	7.759801	8.194044	7.97871	7.554503	8.314144	8.672388	7.516683	8.531492	7.680479
PDE5A	3.5455625	3.5170865	3.6496715	4.507251	3.3909435	3.4937065	3.719116	3.3029475	3.8178	3.448392	3.329521	3.561752
PER1	6.259785	6.8179675	6.2117695	5.755172	5.811241	5.613206	5.7919645	5.7136535	5.794134	6.716092	5.673463	6.164537
HOXA4	6.587387	7.255463	6.762177	6.470924	5.497674	5.639022	5.508221	5.585276	5.252823	5.808724	5.380076	5.757868
RAB40B	5.822506	6.480407	6.155309	6.313342	6.467671	6.344043	6.128746	6.185875	5.790301	5.526402	5.972834	5.714
PNPLA1	3.151021	3.597993	3.212095	3.287743	3.180893	3.411301	3.340578	3.346989	3.36584	3.348862	3.403497	3.363138
MAP3K9	4.15252	4.385964	4.343339	4.4925005	4.7655645	6.183039	5.962559	4.7636395	5.9364765	6.036397	5.038839	5.7888135
HELB	4.1369965	4.177661	4.387569	4.39931	4.2376955	4.4584855	4.154699	4.102932	4.2270825	4.3770035	4.3953305	4.779603
POU1F1	2.51405	2.55856	2.635578	2.575858	2.576906	2.657027	2.547464	2.30053	2.205355	2.295378	2.444838	2.243127
ZNF354A	6.521929	6.611995	7.022151	6.370731	6.657018	7.527853	6.084881	6.581094	7.312488	6.890831	6.291569	7.02628
GMPR	4.281078	4.694534	4.645308	4.72624	5.581093	4.856453	5.043587	5.19754	7.805194	5.534318	5.339048	4.790787
GPR156	5.449048	5.4571215	5.168065	5.6343735	5.4818935	5.4762675	5.372402	5.44189	5.5609825	5.4022285	5.510606	5.031317
ID4	5.543168	6.319458	6.17985	6.544318	6.874996	3.882979	4.223548	7.188266	4.316717	3.671058	3.766713	3.565321

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
MVK	5.564199	6.2268955	5.710704	5.9909315	6.8653285	7.2892605	7.1138855	6.556661	6.408963	5.720251	6.1508615	5.5969235
PNKD	5.819349	5.865454	5.922313	5.840816	6.90041	7.536869	7.235065	6.704008	6.829026	7.296269	7.48758	6.91734
GABRB3	3.353442	3.2111365	2.981475	3.114632	2.920905	2.918403	5.2712075	3.046164	2.832589	6.0075205	2.892669	2.8595925
POLRMT	5.314299	5.907874	5.372057	5.74976	5.996869	6.836049	6.268533	5.858502	5.773056	5.466727	6.149989	5.386154
TSTA3	8.8133395	8.7107415	8.6835275	8.7146895	9.0662365	9.7875705	9.1866295	9.000681	8.5303875	9.058189	9.1744945	9.04036
TYROBP	3.782635	4.120725	3.66099	3.938646	3.712493	4.012969	3.81387	3.449267	3.843588	3.602798	3.517795	3.491248
PADI4	3.628471	3.813282	3.7223	3.910646	3.744462	3.88018	3.781822	3.796421	3.84106	3.404698	3.809385	3.669333
MPPE1	7.901402	7.471767	7.581117	7.619259	7.595982	7.154816	6.973456	7.50782	8.057858	7.662926	8.049927	7.453345
ATP6AP2	11.03205	11.14021	11.08296	10.92628	11.23304	11.49707	10.98168	11.30819	11.12279	10.70419	11.52066	10.51453
ARSG	4.345118	3.669433	3.545432	3.93646	5.19894	5.809272	5.129242	5.077817	4.929106	5.651073	5.220183	6.593699
HIST1H2AC	6.963408	6.085065	7.294949	8.583611	10.59468	10.09551	9.704481	10.82874	10.59617	8.726501	12.06227	8.734556
SPRR4	6.54785	6.544214	6.757804	6.643646	6.863484	6.563855	6.557802	6.853631	6.784289	6.331456	6.993958	6.603948
CTPS2	6.504367	6.64976	6.9209695	6.712223	6.2989605	6.8671955	7.0390665	6.207386	6.5529525	7.084714	6.2507495	6.837797
CDYL	8.044044	8.084773	8.081559	7.954658	8.968186	9.290155	8.439079	8.985452	8.980057	7.65943	9.803001	7.539154
NTRK2	3.8969555	3.928408	3.7540965	3.809898	4.641976	4.9297195	3.6814165	4.511193	3.8551105	4.190967	4.7712655	4.5032995
SLC44A5	2.7637385	2.748154	2.8102135	2.740221	2.6584235	2.794298	2.7054615	2.615992	2.5507055	2.6620855	2.755405	2.7005835
PIGZ	6.299205	6.22584	7.081007	6.544318	5.576176	5.302791	5.30143	5.510749	5.99435	6.035213	5.191031	5.690737
SP8	3.782586	3.9700225	3.811015	3.8490505	3.8319275	3.791461	4.0514605	3.9088655	3.8543245	3.874647	3.764701	4.225544
CNOT1	7.330071	8.111029	7.217512	7.041657	6.620171	7.07714	6.589926	6.520944	6.861948	6.631572	6.44499	6.556378
PLK4	6.299205	6.04439	5.795244	6.553834	5.99675	3.50533	7.111903	5.677558	4.636118	6.033593	3.969824	5.679109
CCL16	3.902161	4.180747	3.900519	3.959591	3.795327	3.738462	4.318154	4.048971	4.187047	3.987014	4.222282	3.542081
METTL6	4.6551595	4.656941	4.857532	4.745709	4.94538	4.7028125	5.3134455	4.8911	5.116561	4.633246	5.1917025	4.550524
KIR2DS1	5.081964	5.526522	5.0745355	5.1030505	5.2453145	5.0139795	5.0215355	5.2874235	5.0733875	4.708745	5.124429	5.132323
DLEC1	4.91843	5.346378	4.97479	5.258148	5.001357	4.983472	5.089396	4.894444	5.033394	4.922574	5.418097	4.81117
GNRHR	3.012317	2.889266	3.034212	2.985379	2.796431	2.845851	2.877941	2.889926	3.001892	3.039584	3.019774	2.858475
AKAP8L	5.801855	6.148116	6.037286	5.599962	5.74291	5.514018	5.652867	5.507136	5.509439	6.282313	5.765279	6.306025
CORO1C	11.364185	11.48208	11.5769	11.734	10.640925	10.90385	10.1126615	10.567025	11.117125	9.346422	10.39363	9.332902
ARHGEF11	5.154491	5.560683	5.359882	4.979001	4.592452	4.33239	4.526613	4.468191	4.316995	4.466315	4.207119	3.978075
KPNB1	10.374925	10.12461	10.149606	10.19934	10.544025	10.390345	10.827865	10.337449	10.0500165	10.1966185	9.9692245	10.429685
RPS10	13.39084	13.323825	13.366645	13.417135	13.57289	13.618965	13.63144	13.591095	13.401665	13.60695	13.707945	13.72204

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
ANKS6	4.9987455	5.1341905	5.120373	5.0782155	5.0338095	5.4197575	5.4511775	4.846218	4.875295	5.918447	5.206137	5.2172645
SYCN	4.293073	4.156877	3.975723	4.219102	4.309645	4.410446	4.235972	4.417702	4.577662	4.177247	4.465881	4.270488
DPYSL3	6.841706	7.859986	7.392416	7.226914	9.309666	10.15608	10.13014	8.727353	8.761552	8.684669	8.282482	8.906017
FBXO38	8.181566	7.690577	8.055283	8.535859	8.683084	8.815384	8.535666	8.816134	8.498328	8.415783	8.824964	8.448837
TRPM8	4.224394	4.060537	4.011601	4.255422	4.136904	4.290236	4.045212	4.2208785	4.0917725	4.0238045	4.749467	4.049197
PPP1R12C	5.423975	5.676044	5.457105	5.56543	5.153639	5.269131	5.500696	5.37305	5.451348	5.177346	5.530069	5.239387
BTBD8	2.810048	2.742397	2.850709	2.76233	2.612382	2.700809	2.603933	2.595201	2.774372	2.601036	2.60373	2.459592
SPOP	7.253125	7.902892	7.996441	8.48237	8.528459	8.521093	8.570895	8.449998	8.778239	8.720712	8.38438	8.572903
ICA1L	4.899553	5.2029985	4.9430345	4.6740355	4.528087	4.787839	4.313062	4.554839	4.866115	4.495215	4.75482	4.431578
GPR35	5.083947	5.377378	5.103279	5.05266	5.152661	5.437965	4.771998	5.083947	5.25869	5.136639	5.348289	5.144135
FSHR	3.549805	3.657495	3.291544	3.706629	3.639998	3.464141	3.263974	3.641938	3.756613	3.472995	3.905313	3.565093
TNFRSF21	6.73053	7.093221	7.918261	6.7657985	4.1139805	9.1349995	7.2407285	4.280149	7.550335	5.1707265	7.294498	6.399129
CALCA	4.1805735	4.365832	4.0906585	4.16847	5.325138	4.320947	4.440924	5.429007	4.063261	4.400068	4.2387645	6.1106175
NECAP2	7.345134	7.2988045	7.3168135	7.224341	7.379638	7.264571	7.194093	7.3890035	7.033609	7.5337685	7.4802685	7.282354
GPD1L	6.032379	5.561266	6.142617	6.459696	7.69896	8.767807	8.330679	7.572803	7.321927	8.654386	7.715708	8.605295
ACSM3	3.2605675	3.6341955	3.1934425	3.364977	4.1381665	3.772094	3.7687195	4.06263	3.5141685	3.316249	4.1799335	3.404489
WNK3	3.91211	3.769109	3.85743	3.861465	3.496201	3.444382	3.459689	3.655072	5.820591	3.766707	3.894312	3.506899
PATZ1	5.326278	5.7914685	5.5608805	5.6841005	5.924487	5.1214105	5.977556	5.990604	6.0417185	5.755747	5.7379805	5.4813315
LILRB5	3.999907	4.219241	3.776325	3.953538	4.052138	3.861972	3.738992	4.050445	4.101395	3.720338	4.225929	3.879567
AIRE	5.580727	6.118937	5.759216	5.829005	5.76534	5.86531	5.409132	5.809015	5.366723	4.981605	5.665357	5.17484
ATAD2	8.116474	8.1697115	7.7266785	8.182484	7.3940885	4.2781385	8.270093	6.968972	6.5392055	7.629881	4.6726405	7.1112595
STOML3	3.433982	3.523242	3.424468	3.484612	3.676057	3.512818	3.667936	3.937746	3.776662	3.612782	3.88438	3.530802
CEP164	6.847223	6.786922	7.307682	7.016696	7.330915	7.998003	7.241704	7.310642	7.027165	7.696387	7.74974	7.473184
BCKDK	8.457723	9.045307	8.736054	8.661373	7.31126	6.905807	7.371743	7.272861	7.175846	7.181037	6.861166	7.098523
PAX5	4.8826455	5.336453	4.777923	5.122997	4.6923275	4.659374	4.7380125	4.7207425	4.6689795	4.7448	4.8251655	4.7369215
MAP2	3.6088055	3.6906565	3.7642655	4.03202	5.61864	6.073846	3.4738905	5.5261425	7.1052845	3.55686	4.079513	3.818669
CXCL2	5.813105	3.822385	3.7223	3.890747	3.427932	3.577915	3.50153	3.475637	6.13768	3.831352	3.667035	3.705619
ZNF43	6.767792	6.9356665	6.5509015	6.8079345	6.879087	5.2386715	6.877825	6.99887	6.5810175	7.7982845	5.2827955	5.851374
GGPS1	7.6278105	7.817191	7.68398	7.9973815	8.5580485	8.658358	7.865709	8.5691645	8.45913	7.591482	8.2259125	7.675724
ART5	5.803936	6.032537	5.867002	5.768187	6.523881	6.401865	6.568604	6.524064	6.103223	5.616597	6.071054	5.678873

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
SCN3B	3.7559665	3.8545265	3.938549	3.8172665	3.9604565	7.388445	3.891241	3.8875135	4.143505	3.859652	5.1217785	3.8879395
SBNO1	5.588774	5.151382	5.679184	6.042568	7.498124	7.317264	7.717087	7.369179	7.48386	8.071303	7.381062	8.299589
CD1E	3.8633575	3.951152	4.2401585	4.0363	3.9137365	3.7480425	3.8324475	3.997826	3.7442815	3.8289165	3.9266275	3.8030485
DSC2	3.064528	3.174422	3.144603	2.89659	2.874835	3.019877	2.77834	2.866843	3.016096	2.889022	3.512901	3.121273
MRC1	3.013292	3.18101	2.785533	3.062144	3.044126	3.063188	2.895284	2.835733	2.962086	3.018186	3.196659	2.992459
SGCE	10.27312	10.15478	10.50199	9.841041	5.297477	4.784694	8.133999	4.971346	10.18258	8.209555	4.448889	8.164595
USP2	4.924828	5.0158405	4.9028845	4.962815	5.075179	5.664891	5.1965095	5.1373935	4.698171	4.9484365	4.9098165	5.0789485
PIK3C2B	6.514104	5.382183	6.716532	6.628512	8.881844	8.999206	9.697151	8.757805	7.326482	8.080104	7.193892	8.387084
NIPA2	8.768956	8.062104	8.278695	8.8112095	9.1459485	9.7572515	9.5714985	9.126561	9.5008855	8.6118835	9.7164895	8.8932105
SLC2A2	2.68711	3.105953	3.105953	2.740976	2.844899	3.650287	2.640622	2.975137	3.02127	2.576741	2.736302	3.065709
KLKB1	4.730445	4.864493	4.742978	4.725656	4.647835	4.902293	5.896071	4.79439	4.777966	4.859624	4.570476	5.154961
SNRPF	10.03468	9.987895	9.566052	10.12968	11.01129	11.01871	11.44747	10.84882	10.45682	10.95692	10.65031	10.75659
ASNS	6.0918205	5.9996655	6.5044055	6.276052	5.623827	6.0142435	6.2029925	5.460144	7.3282465	7.462321	7.658092	7.380599
FAF1	5.8232	6.566686	5.572273	5.63181	6.003676	6.535514	6.272548	5.843396	6.445275	4.764668	6.944996	5.425511
ATP6V1B1	4.3453625	4.9373495	4.537123	4.3354935	4.3130455	4.218355	4.368655	4.1014765	3.9173425	4.1844635	4.1812545	4.061977
A2M	4.9714385	5.003334	5.60368	5.657646	4.140405	5.176888	4.1022255	4.265089	4.4659305	4.140299	4.547092	3.8670595
A1BG	5.236416	5.934769	5.708294	5.808078	4.882542	4.509462	4.24795	4.94366	5.80443	4.491594	4.327297	3.926935
LEAP2	4.729566	4.32765	4.38489	4.198736	4.879299	4.345033	5.43386	4.478905	4.704427	4.856421	4.818151	5.162872
NSFL1C	7.8672775	7.890962	7.518299	7.7139695	7.663489	7.4906535	7.559688	7.59122	8.094764	7.483698	7.892375	7.612711
VPS13C	4.402532	3.630126	4.170252	3.953639	4.653866	4.1009605	4.7408645	4.6857695	4.285478	6.403111	4.7839525	6.6644135
CDC42BPB	5.635709	6.033131	6.1461835	5.9529935	6.3269395	6.1673605	5.6769555	6.0754315	5.935016	6.100448	6.2390295	6.6531015
MBD1	6.921091	7.236809	7.083345	6.434611	6.59913	8.189323	6.938368	6.401712	7.247971	6.824206	8.108829	6.559411
ZNF740	3.991809	4.188913	4.069812	4.275561	4.284956	4.466552	4.028056	4.032941	3.891729	4.335057	4.309645	3.862478
NME7	8.856037	9.307109	8.0720015	8.865474	6.6367995	7.805117	7.762608	7.026256	7.3665925	7.1736155	6.35903	7.221135
ZDHHC15	3.022413	2.81319	2.374334	2.762558	2.665234	3.015497	2.699597	3.089708	2.905593	4.223855	2.685811	4.131327
PEPD	8.597257	8.438934	8.336724	8.393414	9.28385	8.500176	8.982679	9.265829	8.872257	8.334237	9.466701	8.356329
RTKN	5.28415	5.432261	5.905639	4.591094	4.640915	4.578779	4.66864	4.535048	4.40297	5.73981	4.371813	6.101381
HAPLN1	3.7077895	5.3348855	8.565077	4.4390055	8.6272645	8.51151	4.495058	8.393117	7.5435885	4.931718	6.5772615	4.0874575
USP48	6.454082	5.566151	6.010265	6.606872	6.322708	6.256709	6.854756	6.229568	6.872005	6.653236	5.781315	6.139063
RPL36AL	11.94456	11.95632	11.6267	12.03079	12.31204	12.41666	12.57183	12.28095	11.59892	11.82343	11.72061	11.76571

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
SLC39A9	5.5387905	5.4474065	5.6798145	5.4602955	6.033889	6.2302895	6.0764415	6.247165	5.605164	5.388116	5.8307895	5.553491
NAB2	8.0283005	8.2528085	7.3427615	7.538629	7.617516	6.8133665	6.827385	7.3065855	7.2967585	7.1048965	7.174352	6.5539075
DLEU7	3.01722	3.251779	3.3010045	3.4341235	3.059767	2.9362795	3.0701285	3.174345	3.1854905	2.979205	3.109468	3.078317
HOXC4	5.908632	6.099626	6.1296	6.080807	6.700705	7.85784	6.135962	6.641479	5.66245	6.871074	7.629348	8.037139
BCL2L11	4.508392	4.998167	5.064796	4.347949	6.313993	5.491933	5.795128	6.153368	6.095027	6.340708	5.634115	5.713006
MCM2	9.544384	9.656157	9.603187	9.528899	8.537266	7.131623	9.486698	8.392435	9.535983	9.088314	8.517942	8.828223
DCP1B	8.174907	7.755674	7.778993	8.073479	7.481963	7.650453	7.909712	7.529821	7.312311	7.967347	8.145359	8.097931
ZNF37A	5.7508425	5.5374295	5.5691095	4.878346	5.9518385	7.8581255	6.2656905	5.902816	6.073488	5.6422355	6.1280195	6.0669485
CAMK1D	4.4406195	4.244285	4.661491	4.7750145	8.365488	6.4749365	4.927983	8.4294415	6.817991	8.283501	6.8477855	8.283279
TRAFD1	6.3047765	6.240956	6.555421	6.733693	6.9746405	6.9596245	6.6047805	6.918553	6.923344	6.6895125	6.6059715	6.5928305
CYP2A7	4.416922	4.373269	4.763941	4.336751	4.441678	4.107905	4.622399	4.463325	4.403426	4.551633	4.146812	4.44903
FAM107B	7.0662305	6.780262	8.5658345	7.5487465	6.3518955	9.3561045	6.0553675	6.67186	8.1943	7.993872	8.695134	8.159464
DTYMK	6.477032	6.287096	6.163571	6.442258	6.156694	5.637626	6.184569	6.113965	5.48281	5.844311	5.630952	5.835651
SLC22A17	5.7713255	5.8205415	5.4909805	5.707098	5.0881745	4.849024	4.9895755	4.9305835	5.2844575	5.6994045	4.8015375	5.6802365
ATP8A2	4.054756	4.072248	4.323816	4.30813	4.634066	4.254297	4.316068	4.254077	5.240692	4.493366	4.131047	4.172717
STK32B	6.356368	6.259408	7.315169	7.439035	7.650536	7.414442	8.497974	7.334093	6.135953	9.298538	7.541648	8.811842
SF1	4.807574	4.217009	5.348015	3.832547	4.259272	4.071301	4.898363	4.431495	4.487104	6.713756	4.366915	5.841608
PCDHAC2	3.694829	4.139477	3.642077	4.193334	3.781822	3.781822	3.499979	3.840366	3.701376	3.557829	4.157167	3.176968
FBLN5	10.52433	11.08246	10.8092	10.17598	9.505148	8.724461	9.049049	9.664421	7.092883	10.83946	8.837114	10.77557
ZGPAT	6.4316465	6.5346405	6.495237	6.7510895	6.850498	6.9177035	6.7543335	6.7665305	6.8211925	6.7647955	6.8563885	6.7673855
PDE4A	4.967148	5.82889	5.020936	4.695189	4.339711	4.294096	4.175014	4.3985	4.063606	3.842709	4.332793	3.985889
RHOC	7.296227	7.5959775	7.5738	7.846272	7.6082525	7.986898	7.447431	7.6377715	7.664953	7.16607	8.20933	7.172769
SUDS3	6.8096395	7.1307725	7.111925	7.951908	8.0953515	7.887535	8.483354	7.9957345	7.8907615	8.470325	8.1110455	8.5645865
HHLA3	6.261803	6.586808	6.110144	6.645582	6.112606	6.545255	4.9549	5.98081	6.481816	4.845129	5.154131	5.494083
DDX53	2.372974	2.442625	2.422594	2.540884	2.338915	2.421105	2.455608	2.385966	2.363683	2.320194	2.358881	2.485805
TIGD3	4.845097	5.118811	4.730145	4.678516	4.387586	4.689852	4.557039	4.83832	4.280979	4.600012	4.309645	4.356446
LOXL3	7.71149	7.42946	8.771727	8.229303	4.905915	4.810784	4.87273	4.878674	9.344738	5.205801	5.363497	4.559948
ZNF2	6.235214	6.062514	6.331055	6.417627	6.32942	6.386031	6.150885	6.345999	6.902116	6.270837	6.595371	6.282735
FAM3B	3.383076	3.345591	2.725225	2.607822	2.64907	2.760708	2.586092	2.596693	2.680767	2.174824	2.592441	2.340719
ZNF540	3.4117025	3.469495	3.850613	3.5811365	4.0329455	3.7293385	3.4694815	3.901556	3.7827265	4.32023	3.507397	3.8276725

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
NFKBIE	6.087986	6.116336	5.772937	6.566884	5.451412	6.122602	5.548486	5.342339	7.048502	6.062933	7.075048	5.824335
LRRC15	8.4043775	8.7502745	7.1045925	8.533317	6.1442855	5.613483	5.2562905	6.259267	4.6219125	5.8887035	7.155422	5.5980835
SLC23A1	4.29008	4.46541	4.052697	4.194273	4.24173	4.256851	4.203938	4.149959	4.281723	4.081673	4.091678	4.252291
WWOX	5.049809	5.066204	5.340342	4.941909	5.397453	5.461975	5.452958	5.286557	6.481162	5.44218	5.809763	5.022504
SLC25A17	6.93684	6.8007665	7.0329825	7.364726	7.424219	7.5979905	7.5115225	7.410478	7.417849	6.9871435	7.377641	7.129605
MAG	3.953999	4.292272	3.9195015	4.1225395	4.0625635	3.9074915	3.931229	4.063637	4.0043705	3.565122	3.986783	3.7943125
MANBAL	9.09341	9.153763	9.297272	9.466213	9.473215	9.77533	9.230501	9.419172	9.623551	8.941856	9.559452	8.749523
EIF2B4	8.5526665	8.0639455	8.513742	8.880712	9.062914	9.187138	9.1959965	9.1302375	8.47827	9.0096715	9.4010195	9.1388905
SOX4	6.895922	6.7999295	5.849294	5.8014785	7.209085	6.4860325	6.4685685	7.2932345	6.779362	8.2424015	6.5622905	8.1698335
ANKHD1	2.926896	2.751848	2.855421	3.017748	3.523992	3.11544	3.538732	3.207228	3.65646	4.704681	3.527038	5.239387
IL11	8.209612	7.7300945	7.749642	6.839287	5.571607	5.820991	5.0734985	5.8180175	6.222055	4.8620075	6.624833	4.582333
CPB2	2.527488	2.685422	2.678787	2.338638	2.731772	2.702673	2.664779	2.731154	2.717225	2.624329	2.62076	2.568464
GNL3	5.493193	5.30459	5.101366	5.230359	5.716474	5.317722	6.440778	5.352518	5.372862	5.223897	5.498688	5.423189
ANTXR2	8.477205	8.61611	8.287106	8.475632	7.538315	9.380004	8.127298	7.7988195	7.8510895	8.1396375	8.916773	8.0855895
UNG	8.718417	9.023832	8.921098	9.144211	8.658043	8.832083	8.696519	8.493847	8.881311	8.565257	9.162392	8.732484
EPHA3	2.665973	2.455239	2.702648	3.539178	3.514752	3.144966	3.33518	3.622439	3.51722	3.101227	2.55447	2.893048
ENTPD4	5.932704	5.993963	6.013968	6.323234	5.991936	6.096272	5.890013	6.028267	5.622784	5.495373	5.47559	5.466194
NLGN4X	3.156425	3.1248215	3.04558	3.265025	3.470215	5.386918	6.4131445	3.7027955	3.2833395	7.9037395	3.783468	6.937229
EDA	3.3684495	3.242938	3.262277	3.4265055	3.412798	3.573869	3.4025445	3.350995	3.221891	4.2459275	3.45571	5.2093415
PUM1	9.816335	9.774463	9.938722	9.72352	9.795951	10.08839	9.698862	9.701592	9.703638	9.722746	9.856849	9.775365
AHR	8.53187	6.80544	8.090265	8.484761	9.616954	9.064127	7.119867	9.736532	10.44073	7.426738	9.240099	7.848359
CACNA1C	5.4804645	5.416944	5.461068	4.841857	4.5944465	4.229757	4.265811	4.6601835	4.2618795	5.51876	4.326548	5.4624475
ORMDL1	7.530209	7.544645	7.896748	7.656677	8.185102	8.152592	7.894712	8.447762	7.912153	7.721709	8.074345	7.432249
GNB1L	5.887852	6.278434	5.851747	6.178631	5.670601	5.832889	6.07009	5.41311	5.930435	5.871202	6.234598	5.843634
RAB17	5.481351	5.024214	4.893764	5.032537	4.785444	5.173813	5.005665	5.377049	5.172467	4.893764	5.018255	4.508188
EN2	3.833422	4.139477	4.301146	4.107449	4.108083	4.486017	4.107584	4.268226	4.785344	4.378122	4.349009	4.355098
PNPO	7.749787	7.291283	7.1782815	7.851554	8.9450115	8.7455585	8.8763795	8.9997085	7.740061	8.524247	8.6241745	8.6359775
TGIF1	5.921977	6.027664	5.777778	5.230797	5.869427	5.895045	5.527389	5.806367	6.5345	5.663163	6.103622	5.863907
CD180	3.709936	4.334642	3.799822	3.996799	6.324591	4.55968	3.742749	6.069318	4.240385	4.856472	5.377505	4.998123
LNX1	6.2487565	5.7077705	6.3615805	5.8145255	5.863273	6.104631	5.185234	5.961893	4.504879	6.000046	6.326645	6.6870225

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
BAZ1A	8.486791	8.311581	8.3991785	8.5140525	9.7712675	9.6973945	9.7377105	9.82581	8.3265185	9.3501805	8.2593215	9.184849
ARMC2	2.576741	3.207596	3.211828	2.628758	3.225212	3.193271	2.586864	3.3253	3.259863	3.440294	3.387394	2.867922
ADAM15	7.564716	7.9490575	7.6929415	7.7096965	7.9351425	9.125736	8.1716465	7.812569	7.8501535	7.472319	7.303003	7.23709
VN1R5	3.52424	4.066909	3.796765	3.361835	3.447014	3.653123	3.565093	3.891609	3.312474	3.169764	3.089708	3.137481
SOX5	3.952895	3.9476275	4.012021	4.0601245	4.67684	4.6009495	4.1233235	4.7012325	4.465809	4.3650205	5.8516575	4.635212
HK1	11.44497	11.08221	11.44018	11.4302	10.60088	10.9596	10.33734	10.57553	10.53291	10.48209	10.90229	10.40543
NANOG	3.8154195	3.8043365	3.739629	4.0747625	3.893533	3.8624445	3.8941775	3.875045	3.709531	4.157385	4.004902	4.038398
TMEM108	4.5592955	4.6594785	4.1755845	4.243928	4.848918	5.4889055	6.1464905	4.632188	5.317242	5.858649	4.7366715	6.053504
GPC1	7.3923885	7.669839	7.3941005	7.926161	6.5347405	7.403663	6.052347	6.6761075	7.179343	6.4348645	6.6665075	6.0000475
SMR3A	2.668064	2.670022	2.678456	2.517479	2.741927	2.620962	2.544393	2.737332	2.745517	2.525487	2.925789	2.794075
CCR9	3.61321	3.482657	3.394552	3.434106	3.624833	3.804485	3.624833	3.812382	3.199905	3.401127	3.634059	3.427838
MCM4	7.349687	7.841075	7.264864	7.89425	8.394311	9.174952	9.022141	8.067636	7.628718	7.356302	7.059793	7.2601
EPHA1	4.592658	4.85328	4.765735	4.681465	4.472814	4.822143	4.294388	4.651011	4.444436	4.477758	4.643863	4.207697
FOXP1	6.325631	6.680094	6.5935325	6.2295715	5.7116985	5.4597445	5.5485525	5.6546815	6.9739765	5.587849	5.649049	6.063268
IRAK2	3.642103	3.922282	3.667633	3.527281	3.742197	3.880078	3.53227	3.518969	4.039661	2.948005	4.051261	3.331842
RHD	5.751675	6.072543	5.794417	5.959533	5.792457	5.82486	5.252899	5.81805	5.320028	5.475913	6.023453	5.384638
CDKL5	3.988387	4.283879	4.1566845	4.3681375	3.6374085	3.4543465	3.585462	3.8731215	4.0380575	4.0438935	3.7551485	3.7256485
ITGA2B	4.737717	4.7378905	4.66638	4.598548	4.6480385	4.52929	4.518921	4.620021	4.675054	4.5269745	4.840804	4.234943
CLIC5	4.457752	4.384271	4.624829	4.497095	4.34451	4.466781	4.580129	4.421597	4.170926	4.283514	4.288981	4.252879
CARD14	4.9921895	5.133404	5.205478	5.127138	4.984046	5.097864	4.930297	5.192932	4.7735525	4.738021	5.077787	4.8350555
OTUB2	5.542609	5.2346845	5.3226355	5.457667	5.432562	5.6119595	5.4328305	5.627787	5.297878	5.394286	5.626867	5.5336885
SYTL2	7.863804	7.487838	7.791704	7.38413	7.59137	6.477662	7.956736	8.03194	6.322777	7.120203	4.663371	7.282886
SFTPB	5.6451535	5.6464265	5.6441065	5.6729355	5.6538725	5.4087905	5.7363365	5.609256	5.481134	5.6069415	5.4679675	5.721531
CLIC3	5.28968	5.857975	6.103863	7.594052	9.44211	10.4768	6.231617	9.640814	7.206878	4.260441	8.716457	4.108743
OR3A3	4.52648	4.521538	4.508357	4.713466	5.086638	4.706878	4.575032	4.94785	4.679157	4.726141	4.749629	4.811259
MATN3	3.011743	3.088232	3.205153	3.571384	2.408744	3.250146	4.179162	2.322569	5.350923	2.799807	2.51405	2.625855
TNNC2	4.641452	4.853127	5.004114	4.577949	4.685903	4.698908	4.042513	4.367789	4.609565	4.481533	4.734254	4.362604
GCM2	2.737884	2.615612	2.424497	2.384679	2.573974	2.69328	2.803667	2.494066	2.581723	2.556757	2.589921	2.610777
AMPD3	7.3233875	7.137781	6.9505785	6.9669975	5.5908285	5.8918165	4.7724555	5.6273915	6.5586985	4.768708	6.505392	4.432258
PCDHB12	4.80737	5.114388	4.483207	4.848508	4.223131	4.033411	4.247026	4.501158	4.10815	4.743234	4.043341	4.427745

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
ARHGAP24	7.222252	6.837096	6.8918455	6.750573	4.165657	4.147338	4.1500095	4.132726	6.305431	4.1459625	4.1963465	4.335374
NKD1	5.375305	5.75934	5.523666	5.590169	5.758349	5.300455	5.314459	5.920423	5.39125	5.582643	5.478713	5.38468
CAPZA3	2.819043	2.963468	2.85373	2.700821	2.576046	2.777109	2.679197	2.789611	2.751632	2.549259	2.686025	2.634875
PRM3	3.393807	3.487224	3.7223	3.515035	3.904706	3.715034	3.559986	3.858523	3.580923	3.161328	3.614812	3.259037
CREB5	4.85551	5.026232	4.936488	5.44138	5.179019	4.958293	5.205107	5.186169	4.697558	5.578118	5.003626	5.426179
C1GALT1C1	6.792462	6.6740725	7.171173	6.734395	6.338903	6.5107095	6.847733	6.2950605	6.322424	6.45694	6.003744	6.272617
PTCD2	7.1661345	6.101602	6.1340395	6.6802675	7.1526565	7.0066605	7.3000715	7.133798	7.035276	7.0464075	7.8097385	7.333056
OPRL1	4.6328895	4.951189	4.7225075	5.092034	4.9895115	5.107946	4.966677	4.8033995	5.025423	4.810652	5.136701	4.3373805
SPACA1	3.266121	3.350019	3.113826	3.205991	3.171645	3.000149	3.261287	3.229468	3.461979	3.220882	3.052963	3.163152
LTF	4.439703	4.386719	4.749858	4.502898	4.493196	4.791466	4.170863	4.604152	4.563372	5.02204	5.182684	4.303008
LYPLA1	9.6850875	9.0817975	9.371638	9.6014945	9.8946825	10.47226	10.3838395	9.8127765	9.6577065	9.286715	9.812028	9.470679
WDR45	8.441346	8.2443095	8.7312845	8.4673555	9.0685355	9.957906	8.912525	9.0562175	9.115942	7.9871035	9.85827	8.7364595
FAM50A	9.486504	9.417712	9.146055	9.581043	10.07169	10.67351	10.31218	10.14606	10.35655	10.2033	10.86405	10.01741
EBI3	4.479248	5.090808	4.01171	4.231917	4.483745	4.680971	4.907459	5.111686	6.777632	4.375937	5.709297	3.940945
YWHAB	10.76322	10.76424	10.55973	10.91524	11.08499	11.40443	11.27889	11.08774	11.2771	10.64506	10.94707	10.66061
MKS1	6.2430345	6.381328	5.9514435	6.0659975	6.4104275	6.208893	6.2009625	6.3891855	6.8018915	6.5139175	7.009663	6.30291
CLCC1	7.3391355	7.057335	7.5198655	7.3437175	7.2615515	6.0069985	7.0923155	7.3219705	6.6536525	7.3580515	7.052095	6.973065
EVI2A	4.921209	5.121009	4.21873	4.768788	3.161527	3.539495	3.512811	3.513282	7.560514	3.989994	7.625906	3.701361
CSMD3	3.328856	3.206475	3.227532	3.048425	4.046919	4.309355	3.151505	4.163962	3.113258	4.218657	3.8022	6.344518
WDR1	9.476342	10.03218	9.223003	9.077303	9.258098	10.33982	9.268943	9.364864	9.523148	7.020921	9.603161	5.946415
GTF2E1	8.174274	7.455316	7.806476	7.884366	9.981859	9.620533	9.149111	10.14429	8.592916	8.56045	9.937935	8.768323
DERL2	8.510006	8.2700045	8.4984445	8.578253	8.3674185	7.7729525	8.4481345	8.4123865	8.712326	8.410557	8.4800935	8.1267445
OPN1SW	3.798875	3.888194	3.900518	3.689945	3.626507	3.743792	3.883394	3.69603	3.606174	3.345885	3.264673	3.217597
DYRK1A	4.16922	4.765322	4.073559	4.351614	4.507441	4.422106	4.133413	4.716842	4.479322	4.532845	4.323064	4.363976
KIAA2013	8.470953	8.290959	8.727444	9.094459	8.682088	9.011316	8.843228	8.55281	8.481453	8.521364	8.855783	8.640161
PTDSS2	7.018183	6.723151	6.846376	7.16729	7.231854	8.161201	7.282875	7.194443	7.145421	7.535876	7.704104	7.812087
RSPRY1	9.065908	8.911176	8.823768	9.152246	8.468628	9.405255	9.18161	8.649267	8.58501	8.897047	9.422462	9.091306
CHKA	5.768557	6.1202325	6.1028425	6.195015	7.1187405	7.2163325	6.91173	7.085067	7.3185135	7.1645275	7.6356695	6.979336
TBR1	3.014274	3.282536	3.190164	3.165306	2.933506	3.034692	3.057224	3.010232	3.000665	2.789723	3.240582	2.833245
MRM1	6.185206	6.073246	6.148422	6.25174	6.735726	6.895825	7.11443	6.407185	6.158343	6.502749	6.703416	6.005141

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
ZNF491	4.742032	4.38782	4.786023	5.099717	4.961151	4.614351	4.601844	4.919392	4.746388	4.712148	4.733471	4.921373
NKX2-8	4.078244	4.403935	4.325557	4.481793	4.067528	4.166389	3.908399	4.118413	4.041824	3.87463	4.178554	3.930662
ARSD	5.7397105	6.557347	6.267369	5.5528375	5.227063	5.9078	4.7918785	5.3215385	5.757035	5.1962035	5.138869	4.9990265
ZNF462	5.409822	4.046429	4.549455	4.892083	3.808854	3.712831	3.308776	3.726941	6.573865	5.252957	3.863364	4.155494
BRI3	9.2381215	8.943254	8.8961025	9.1277215	9.0101965	8.8052705	8.377731	9.093363	9.82085	9.0193605	9.931508	8.759081
CASKIN2	6.199441	6.7050085	6.438668	6.112956	6.0630565	6.2837475	6.314329	6.0624785	6.349965	6.402556	5.926078	6.6037855
SLC41A3	7.6663605	7.7936515	7.7931695	7.8973	7.296267	7.676695	6.830084	7.392057	7.284567	7.7246005	8.1975645	7.514741
ZNF521	7.697183	7.3479145	6.7632665	7.5044145	3.393984	2.876299	2.8288785	3.521095	5.8860325	4.744369	5.855202	4.5713015
AZGP1	3.269119	2.979027	3.236912	2.889369	4.552168	6.395189	4.82092	4.047437	2.802502	4.630878	6.180264	6.830992
ERLIN2	7.771111	7.902736	8.23068	7.928033	6.690979	7.332463	6.824447	6.662201	7.262331	7.425829	7.322382	7.161122
UBE2D4	7.131796	7.368423	7.449195	7.503949	7.474519	7.506883	7.466213	7.580798	7.661941	7.283803	7.607716	7.33605
UBIAD1	6.071787	6.171252	6.301572	5.777778	6.863162	8.151383	7.433943	6.726032	6.811646	6.455518	8.134274	6.848085
FKBP1A	9.892268	11.01537	9.5711935	10.40434	9.00325	10.13141	9.4579345	8.8260285	8.041503	7.491212	9.2922695	6.936492
DHX8	7.042206	6.41785	6.885853	7.097154	7.335074	7.29491	7.0943	7.218531	7.414153	6.958295	7.458152	7.220552
TNFRSF8	4.79871	5.456713	5.413441	5.587034	5.976065	7.661701	7.883745	5.853247	4.737744	5.887733	7.275959	6.781087
VPS72	8.516681	8.268359	7.974427	8.162686	8.549677	8.198575	8.738253	8.448541	8.322015	8.995663	9.011698	9.001698
PLAGL2	6.038334	6.1547455	6.202487	6.0249185	5.831364	6.7065155	6.363634	5.9044985	6.265764	5.6237125	6.2673425	5.554417
EVL	8.1496355	8.351433	7.9205465	7.377204	6.488383	6.06744	5.954246	6.306165	6.289364	7.567033	6.2348885	7.2453265
RNF2	4.90407	5.118693	4.992195	5.185433	5.008604	4.719987	4.906267	4.84676	5.304939	4.88604	5.000705	5.118693
SPATA7	6.816588	6.4185465	6.718774	6.799194	5.575145	5.678724	5.1682085	6.0498935	6.713806	6.0134465	6.1623365	5.6478335
BTBD3	8.046448	8.025458	8.112741	8.287976	7.627495	9.012624	7.636171	7.831486	8.889018	8.230819	8.768344	7.876616
KLHL26	5.507763	5.670244	5.370191	5.427671	4.761304	5.55946	5.357681	4.82521	5.688783	5.343006	4.789326	5.146862
OSBPL9	9.283595	9.132529	9.243068	9.20543	10.4349	9.376487	10.05071	10.52063	10.35375	10.26399	9.800885	9.809746
CBR4	6.50913	6.41785	6.500783	6.888361	8.907229	8.486871	9.079041	8.84627	6.785553	7.91225	7.512726	8.25902
SMARCD3	5.838887	6.194701	6.2658535	5.9169205	5.713005	4.8963115	5.0673915	5.6747655	6.127558	5.8545305	5.158266	5.649587
KIR3DL3	4.66664	4.69549	4.729278	4.731769	4.928697	4.555009	4.849523	5.120161	4.565538	4.433031	4.731176	4.742923
RNF20	9.511864	8.992801	9.359329	9.379637	9.468513	8.995638	9.708702	9.495758	9.988177	9.706297	9.815978	9.243601
HTR2A	4.44547	4.539371	4.326329	4.972882	4.240856	3.943327	3.862472	4.364412	4.002274	4.282204	4.259099	4.154083
RBP7	4.64715	4.839801	4.760971	4.534048	4.630953	4.899497	4.691141	4.759499	4.874621	4.266083	4.878709	4.090094
RXRA	7.9304385	8.1872385	8.0058015	8.045707	6.904859	6.455815	6.5169255	6.7454505	6.265881	6.688921	6.7992865	6.98055

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
ANGEL2	6.965433	6.614492	6.843801	6.814847	7.421391	6.687341	7.102385	7.245065	6.350489	6.843907	6.84093	6.493177
SEC23IP	7.601796	7.2108775	7.418443	7.751008	8.4421155	9.1527365	8.632147	8.4757955	7.8973635	7.575669	8.086212	7.6610565
OIP5	6.915361	6.727918	6.706048	7.175583	8.629596	6.681914	9.227438	8.292464	6.662462	7.252422	6.747071	6.668222
PCGF5	6.822925	6.662592	7.798891	7.15469	3.720078	3.336686	3.224532	3.770661	8.127204	4.165278	5.036547	3.550108
FBXL20	6.24828	5.544733	5.730598	5.261698	5.996084	5.209274	5.597087	5.748539	5.835718	5.099534	5.98514	6.1321
RFX1	6.3371325	6.954737	6.3708535	6.176971	6.2134535	6.2822035	6.201604	6.295872	6.0504265	6.1901065	6.623366	6.2148195
NDP	3.644847	3.082316	3.7223	4.131862	3.381428	3.246971	3.905184	3.265177	2.877589	8.843689	8.255725	7.374817
ALDH7A1	8.600962	8.9235	8.667991	8.890978	9.294868	7.750627	9.070467	9.18934	9.302576	9.359028	8.674024	9.230502
MRPL14	9.951769	9.995874	9.742558	9.901393	10.36432	10.9193	10.47502	10.35378	10.12439	9.594528	10.19988	9.708078
ZNF500	5.317549	5.580673	5.539485	5.712089	5.468489	5.358556	5.598305	5.269195	5.486528	5.790857	5.59351	5.891304
SDC1	8.7871035	8.547213	7.8414595	8.601311	7.2229165	7.390395	7.9170825	7.2111885	8.967303	7.229854	6.9955215	6.2485965
POMGNT1	6.173735	6.597231	5.841973	5.721252	6.883288	8.079383	6.936492	6.639888	6.633756	5.107493	7.438695	4.138774
TRMT1	7.814704	7.861161	7.598623	7.53421	7.97318	9.178723	8.255595	7.989099	8.464912	7.924126	8.907026	8.350607
ALAS2	4.0409855	4.1212085	4.0335475	4.0104915	4.2206085	4.105329	4.268565	4.175293	4.063178	3.994732	4.1449165	3.9059455
BTLA	4.070529	3.863363	4.431607	4.330024	4.332275	5.675296	6.968696	4.139477	4.358558	4.256347	4.27844	7.844739
TPO	4.061752	4.133229	4.161435	3.983048	4.358819	3.997279	3.965887	4.079679	4.378426	3.885331	4.535848	3.873289
WDR74	7.743532	7.63693	7.629059	7.983802	8.653225	9.30701	9.201387	8.556187	8.532675	8.521599	9.393283	8.411988
MAGEB3	3.269549	3.425566	3.720009	3.137481	2.991312	3.037802	3.040054	2.94506	3.172714	3.235005	3.318573	3.397826
CNTNAP2	3.139311	3.344723	3.170627	3.347462	3.0744175	3.171976	3.1852595	3.2480535	3.186239	3.094746	3.057288	3.008511
SPATS2	6.9815875	7.012955	6.967003	7.0294115	7.4243285	7.220696	7.115723	7.3992225	7.461867	6.9734085	6.773133	7.397661
HOXC10	4.353301	4.37599	4.673003	5.037444	7.836562	5.046529	7.407737	7.807645	4.800268	8.557415	5.217963	6.70219
ISCU	11.23448	11.16891	11.10175	11.11899	11.63987	11.55764	11.20342	11.80204	11.63122	11.01507	12.1104	11.08198
NBPF10	8.322792	7.772813	7.849756	6.837087	6.670053	6.776704	6.932109	6.527251	6.700987	7.889671	7.285747	8.838913
CSTF2	6.8378145	6.7163065	6.4421915	6.900522	7.1360255	7.0627245	7.44639	6.98457	7.2128655	6.5371915	7.7463425	6.695712
DCLRE1C	6.590592	5.989609	6.0194425	6.1053425	6.0609655	6.056532	5.9967445	6.106263	6.182254	6.591183	7.094213	6.7137315
CBR1	8.803358	9.059798	9.605362	9.360052	9.804815	9.487177	9.53373	9.854055	9.642658	8.658137	9.958563	9.003517
DET1	7.851171	7.411384	7.544228	7.430981	7.631855	7.330915	7.332651	7.633461	7.327846	7.052566	7.564929	6.876593
PDE6D	7.749225	8.018662	8.177912	7.714926	7.898591	6.895825	7.334418	7.860808	8.250561	7.562241	8.455392	7.127645
UBE2T	8.915194	8.326868	8.017281	8.66695	9.229589	7.898489	9.86908	8.853636	7.790606	8.448212	8.282467	8.523602
PRMT2	7.224757	7.264712	7.639951	7.05384	6.9772615	7.606486	6.3060665	7.1670535	7.0560735	6.7607575	6.7476885	6.623237

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
SERPINC1	3.7590445	3.791596	3.7113375	3.719535	3.5660005	3.817333	3.752864	3.84914	3.6561505	3.3958365	3.8040945	3.380096
HTR3A	4.633337	4.8881545	4.7615265	4.8677855	4.8297655	4.723122	4.6725965	4.5243205	4.7104265	4.183574	4.619535	4.3885915
ARL8B	9.61574	9.408721	9.548406	9.8131065	10.06247	10.137643	9.8477345	10.0502005	10.577903	8.9864455	9.938068	8.6795775
GSTO1	11.902575	11.75489	11.53565	11.76743	11.27982	11.949795	11.174295	11.3446	11.31434	10.916975	12.51481	10.916945
BTNL9	5.004968	4.974774	4.73999	4.836116	4.724043	4.81892	6.049895	4.914724	4.852215	7.716533	4.885006	8.503437
CNTNAP3	2.287339	2.245421	2.502032	2.306689	2.664314	2.723215	2.28289	2.987287	2.502449	2.723501	2.484374	3.008549
LRRTM1	4.120645	4.554309	4.305611	4.25173	4.534135	4.235759	4.147115	4.574009	4.188776	4.102229	3.938362	3.980662
CNOT6L	4.793046	4.875957	5.142186	5.304469	4.964429	4.944331	5.780732	4.818183	4.56835	4.902699	4.244886	4.196082
ISL2	4.388976	4.943656	4.403108	4.323619	6.142954	5.950294	6.720144	6.275798	4.181118	6.802932	6.426926	6.564838
MAPRE1	10.061865	9.6374225	10.1662925	9.9114395	10.2760325	10.4189665	10.6068215	10.319345	9.998696	9.310837	10.045235	9.0510635
FCGR1B	3.772157	4.008356	3.931684	4.472178	4.035492	4.060701	3.912527	3.968481	4.10323	4.169425	4.10323	4.056416
DRD5	4.792274	5.181287	4.80363	5.075322	4.917804	4.716998	4.69347	5.036891	4.670334	4.535952	4.818151	4.268843
IQGAP3	4.6629655	6.422582	4.907553	4.6014325	4.612964	3.7363125	4.7567615	4.499989	4.0740905	4.8029885	4.507623	4.5238585
PCDHA9	3.946407	3.761732	3.826936	3.719925	3.798421	3.798421	3.835109	3.826092	3.37237	3.750848	3.704161	3.819763
SNX24	4.131454	4.079546	4.21009	3.829322	4.147584	4.398682	4.375255	4.362004	4.213625	4.389298	3.828142	4.064674
DEDD2	7.761812	7.633318	7.49362	7.973456	7.945799	8.250757	8.266253	7.938599	7.92045	8.073572	9.276899	7.9827
CYP24A1	3.722209	4.304951	4.343216	3.358909	2.954925	3.0044	3.829565	3.102099	3.051075	2.854839	3.603808	6.922785
EHBP1	9.2327395	8.908875	9.101104	8.116269	8.597019	8.087895	8.17371	8.6613605	8.1045955	8.496282	7.3084615	8.440136
CHIA	4.559117	4.818151	4.673586	5.233771	4.75323	4.70948	4.137851	4.798977	4.574636	4.183254	4.901683	4.570804
CRHR1	4.70226	4.626629	4.58228	4.85423	4.91835	4.869433	4.854555	4.889666	4.48744	4.666402	4.817614	4.575419
TBC1D10B	8.157457	8.482824	8.3522	8.505811	7.98124	7.528127	7.610877	7.759939	7.641778	7.835483	7.55791	7.824957
IMPDH1	8.552825	8.278167	8.566633	8.698589	7.937222	8.791424	8.15249	7.724779	7.480568	7.565182	8.271708	7.774227
TUBG2	6.832217	6.445187	6.630678	6.583425	6.909368	6.064678	6.250685	6.739552	6.153168	6.393136	5.840186	6.192303
PARS2	6.249445	6.206293	6.327435	6.312263	6.31288	6.861979	6.515151	6.273015	6.282067	6.459753	6.821244	6.519105
KCNH1	3.668444	3.847533	3.74331	3.785145	3.663956	3.602198	3.375204	3.678072	3.962729	3.880685	3.845772	3.915341
LHX6	4.897802	5.3483785	5.422022	5.256369	5.4919555	5.3849335	5.5900425	5.507172	5.4401285	5.655533	5.572081	5.2810225
IL12B	2.51405	2.646951	2.769593	2.679309	2.772657	3.878704	2.912506	2.857199	2.531811	2.84041	3.815631	5.586248
SNTA1	6.93587	7.036188	7.060918	6.900788	7.023422	5.934135	6.71933	6.813955	6.435125	6.243654	6.588582	6.098997
S100A13	8.141336	7.8318565	8.0694625	8.168953	8.0572795	8.0902585	7.6892145	8.196288	8.1022445	6.843791	8.3925725	6.820801
ABCA5	4.7580835	4.4032855	5.6177235	4.3951915	5.718025	4.611639	6.556515	5.862079	5.6726985	7.580333	5.240991	7.5110605

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
SYT6	3.917445	4.450754	4.198801	4.507812	4.284044	4.25513	4.12417	4.532993	3.991329	4.154843	4.410681	4.104242
IL1RAPL2	4.118271	4.056805	3.938672	4.462437	4.241942	4.111083	4.277494	4.532599	4.18023	4.124829	4.111793	4.218306
FST	7.544076	8.757146	8.980513	10.02636	7.106775	4.799127	8.103578	7.067261	9.632923	5.990416	5.872378	6.775594
CYP26A1	4.583475	4.990827	4.523444	4.470578	4.369119	4.375819	4.755474	4.320537	4.807162	4.346335	4.493913	4.464231
PSMC2	9.040939	7.838706	7.835363	8.356903	7.934922	8.109814	7.969078	7.838153	8.953156	8.014778	7.735927	7.818119
SLC4A1AP	8.0700425	7.683218	7.669438	8.0195345	8.048562	8.112013	8.232441	8.0508605	8.173356	7.642877	8.314824	7.815529
POT1	7.6848005	7.8240225	7.7945105	7.587785	8.115623	7.1359675	8.2389855	7.949206	8.884539	7.8953585	7.354121	7.2911605
ZFPM1	6.281162	6.581028	6.6258735	5.981229	5.9588195	6.2079875	6.040663	6.1477155	6.0842225	6.1291935	6.219361	6.1887265
MBD5	5.996808	5.294125	5.626321	5.186931	6.601168	4.76502	5.308923	6.640429	6.449385	5.871849	5.628336	6.155318
PPP1R8	9.673328	9.511064	9.609453	9.519471	9.839071	9.50948	9.871613	9.719881	9.648251	9.339316	9.902894	9.113741
GDPD1	2.864251	3.248264	2.859426	3.3253	3.598547	4.634066	4.886683	3.684776	5.666312	4.23981	4.537818	4.270802
SLC10A2	3.152151	3.301245	3.565094	3.381429	3.443993	3.074964	3.427115	3.208935	3.125561	3.000707	3.168111	3.153418
ZBTB1	4.383163	4.935381	5.525786	5.114086	6.31288	6.169921	4.395947	6.393361	5.455867	4.735271	4.211926	4.492856
GPR157	4.8272615	4.8814505	5.3140755	4.8796655	5.0771975	5.669647	5.107056	5.063548	4.7672555	4.9689915	5.1788165	5.0021795
TPH1	2.789387	3.166512	3.468668	3.00698	2.932497	2.919887	3.265178	3.232965	3.124035	3.259114	3.053215	3.006809
FFAR1	3.708351	3.610073	3.980888	3.721657	3.787896	3.7032935	3.704107	3.714741	3.639741	3.408267	3.563114	3.4425655
ZNF596	4.945036	4.545707	5.559957	5.258109	5.460639	4.706006	5.294723	5.23075	4.849148	5.727766	5.634943	5.833145
EIF2A	11.02792	11.01472	11.18495	11.02592	11.09231	10.78721	11.19314	11.03909	10.54754	10.72252	10.52466	11.08704
TM6SF2	4.780746	5.087994	4.849407	4.919322	4.901693	4.837531	5.01283	4.898386	5.019776	4.403968	4.66117	4.737541
YPEL5	10.49859	10.507215	10.58058	10.382579	10.052066	10.27663	9.087108	10.290305	10.841635	9.781288	10.845185	9.890704
HERPUD2	8.402436	8.301079	8.648454	8.240715	7.661777	8.320843	7.695389	7.532491	8.390013	7.811299	8.260397	8.207944
CPNE2	8.868064	9.734784	9.040061	8.507624	7.556839	7.83201	8.839114	7.688385	7.658141	9.272408	6.971541	8.979951
CHST8	4.849926	5.52708	5.271434	5.845209	6.412214	5.082946	5.395452	6.141717	4.853275	6.232798	6.305963	6.549557
GNAI1	7.933678	7.961816	8.129246	8.573016	9.9057185	8.576079	9.064972	9.9200355	9.032526	9.0357965	8.427424	8.9063395
CRIPAK	7.020587	6.326658	8.178359	6.5657405	6.7189505	7.026586	6.793557	6.7536485	7.1082155	7.3040805	7.056695	7.602599
CCDC33	5.4335695	5.8209295	5.536957	5.6535645	5.560448	5.4014595	5.395341	5.5664905	5.3968525	5.271652	5.4882355	4.9578715
NMNAT3	5.2890325	5.7570835	5.6250935	5.536276	5.514202	5.4772755	5.401346	5.4636155	5.8153515	5.4964605	5.3804305	5.292196
FEM1C	8.911047	8.536901	8.656382	8.750003	7.816229	9.871391	8.039735	7.837521	8.427416	8.887981	8.895858	8.115218
SLC37A4	6.5743835	6.5967165	6.242301	6.297032	6.759088	5.8122215	7.378289	6.631493	6.8970785	6.8386285	6.0809125	6.631935
AKTIP	7.686886	7.351446	7.8779625	7.848384	7.9530675	6.1299695	7.157001	7.830988	8.3012945	7.080682	7.099816	6.5476795

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
LDB3	4.501031	4.997408	4.828638	4.752242	4.727211	4.893688	4.730077	4.709837	4.637823	4.595418	4.57194	4.399693
PQBP1	7.821263	7.321382	7.578216	7.968396	8.941242	9.349916	9.213841	8.885781	8.734991	8.754291	9.183429	8.704778
SNIP1	6.881688	6.7237185	6.8725775	6.772503	6.5123935	6.562208	6.2720955	6.58752	6.5263415	6.060929	6.8040575	5.6593775
PIK3R4	3.058586	3.099341	2.694039	3.066604	2.831462	3.062728	3.078372	2.926743	3.234659	2.978698	3.043639	2.807817
COX7B	7.956578	7.173232	7.18715	8.291404	9.2784235	9.753971	9.483326	9.140828	9.491343	9.534607	9.056915	9.5157915
ADSL	10.06746	9.6878795	9.898124	9.8237105	10.053818	9.4909085	10.41138	9.972926	9.8318595	9.8304785	9.693806	9.9989695
ZDHHC18	5.102846	5.220506	4.8022955	4.9979225	4.7031615	4.5304795	4.770385	4.49897	4.6396665	4.498223	4.6187055	4.4113355
NPTX2	3.251691	3.798925	4.036017	3.662629	3.53982	3.43135	7.771357	3.498982	6.542331	3.590341	3.705546	3.273978
ETFB	10.12912	9.758927	9.403934	9.872321	10.05715	10.15504	9.724557	10.10174	8.811394	9.363902	9.850307	9.629229
NEU4	5.730096	6.038681	5.959658	5.838056	5.780525	5.699265	5.531643	5.690226	5.651172	5.486617	5.548227	5.517286
PF4V1	5.474718	4.081886	4.252326	3.870816	2.580111	2.619785	2.321414	2.406253	2.810692	2.650673	2.559308	2.6669
DEFB114	2.272209	2.321751	2.602163	2.352387	2.286546	2.22537	2.217855	2.407477	2.357349	2.303164	2.410574	2.325586
PEX3	7.953711	7.81803	8.041548	8.429501	7.858934	8.850004	7.808963	7.692639	8.717982	7.330537	7.736973	7.518345
MFSD5	8.181704	7.864992	8.180369	8.443186	7.936769	8.094733	7.851228	7.828729	8.512419	7.29232	8.463454	7.072426
PIAS3	8.849251	8.615927	8.930678	8.649256	7.257289	7.234508	7.317411	7.25392	7.481253	7.995575	7.142981	7.969625
DOK5	8.999399	9.4101395	9.5736345	9.953867	8.141926	5.0433945	10.1343305	8.3662475	8.1100935	9.7123545	7.08215	9.195385
DPYSL5	4.7195725	5.0250565	4.764756	4.8265255	4.605473	4.6319655	4.625536	4.6113475	4.6351315	4.3843345	4.737209	4.3523285
ARL8A	6.781164	6.32462	6.935169	6.631782	6.507053	6.713743	6.02833	6.563512	6.706132	6.709108	6.941175	6.574221
RGL2	7.736086	7.944912	7.759887	7.612311	7.49297	6.911727	5.982127	7.270922	7.627935	7.766987	7.489178	7.686661
CABYR	5.4006125	5.3731655	5.3970055	5.6996545	6.70553	6.9086765	6.9332415	6.7735145	5.600113	5.637507	5.7642775	5.421944
PCSK1	7.33872	6.567742	8.493423	7.088666	2.747272	2.716355	2.869383	2.770156	2.749154	2.883637	2.624475	2.971447
CSN2	3.470397	3.58964	3.615063	3.77231	3.599708	3.54028	3.652448	3.653584	3.762795	3.560616	3.576259	3.571339
QTRT1	7.050322	7.396217	7.300725	7.254639	6.665637	8.047999	7.232128	6.791522	7.80307	7.348397	7.883386	7.30199
MOCS1	5.173163	5.410827	5.630122	5.484877	6.743245	6.429039	6.305511	6.787594	6.125969	5.976761	5.704771	5.477679
ARHGEF6	8.141616	7.916666	8.584224	7.941854	5.803723	5.669231	3.972412	5.834025	8.017799	5.931749	6.609668	5.937222
MRPL17	10.0399	10.02578	9.919141	10.15511	9.717897	10.05189	9.861216	9.747585	9.235874	9.239433	9.962741	9.328114
AP4E1	3.7616175	3.6188405	3.577664	3.9417505	3.7321225	4.0740295	3.928952	3.681611	3.8876335	3.2589405	3.615069	3.5645965
LIG3	6.558693	6.786487	6.697034	6.384182	6.307975	6.658554	6.740136	6.328911	6.306208	6.447825	6.264248	6.308712
LMNB1	7.721257	7.412545	6.575069	7.276096	6.828522	5.029297	8.364071	6.346425	6.963931	8.871697	6.107151	8.258208
PTTG2	2.689854	2.823651	2.859426	2.962148	2.905148	2.907195	3.027497	3.278866	2.790204	2.817109	2.808271	2.834748

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
TCF21	4.4110175	4.4657275	5.333805	5.01349	3.989272	3.860586	3.8319575	3.886209	4.092647	4.035425	4.033809	3.8502035
THAP9	3.994238	3.943486	4.0394755	4.057193	4.661185	4.733359	5.30149	4.4264725	5.231853	5.1025885	4.3327785	5.041245
NHLH2	3.3399015	3.2614745	3.5873515	3.493819	3.45632	3.3956685	3.4230925	3.4275285	3.3326245	3.192835	3.6497355	3.439104
PSORS1C2	4.688983	4.994561	5.021618	5.188955	5.266614	5.148149	5.242539	5.448561	5.069861	5.062682	5.344232	4.858098
PEF1	8.997628	9.132545	9.070157	9.276836	9.084126	9.425625	9.070226	8.978143	9.937868	8.882183	9.906509	9.142973
SLC22A15	6.628915	6.320254	7.66982	6.392576	4.679863	3.81073	3.650204	5.075018	8.775804	6.834489	8.372177	5.220127
CSF2RA	3.9075445	4.165558	3.765844	3.5389685	3.663629	3.6570595	3.616514	3.627458	3.6643425	3.6150485	3.452137	3.511808
HIC2	6.392023	6.356844	6.233265	5.698825	5.9984995	6.190213	6.9610055	5.961435	5.4551985	6.995344	6.2785055	6.7080315
MTUS1	4.095549	4.3200635	4.068296	4.1403495	5.2954905	4.8325205	6.0403505	5.6181585	4.266609	5.7426765	4.9339435	5.7772005
CDH3	4.381755	4.764668	4.784667	4.989717	4.854957	4.608518	4.640851	4.846703	4.884504	4.853519	4.514543	4.001848
DDC	4.015605	4.304008	4.171128	4.2233665	3.943428	4.258775	3.8640005	4.1827785	3.927985	4.02083	4.0270225	3.7219305
MAN1B1	8.2168695	8.4419645	8.1133565	8.77022	8.186588	9.475516	8.4080965	8.223424	8.607289	8.7743945	9.153282	8.620925
SCTR	4.055279	4.480816	4.469667	4.199049	4.157801	4.110565	4.144727	4.185716	4.311641	4.078036	4.155601	4.033595
CNTNAP4	3.7355275	3.80575	3.870851	3.8599935	3.824823	3.5967485	3.5852835	3.6850185	3.682468	4.5456215	3.731052	3.451078
CD300LB	5.717087	6.0110745	5.8336785	6.061117	5.961381	5.899418	5.9135105	6.176975	5.9122565	5.533098	6.0069045	5.527783
KCNAB1	4.732712	4.447267	4.531857	4.477032	4.443936	4.402902	4.254988	4.387775	4.470209	4.714758	4.465117	4.670017
SNRPB2	6.9695615	6.952855	7.2927485	6.8608525	7.6484335	7.2369525	7.608128	7.6013145	7.4920315	7.674446	7.5666645	8.2135345
TKTL2	3.447014	3.266114	3.429645	3.279389	3.630745	3.573303	3.341957	3.307788	3.272967	3.738484	3.182355	3.120928
CLMN	3.3729365	3.4649995	3.322694	3.288312	3.2464315	3.1898575	3.178419	3.0825795	3.7726235	3.3986665	3.2240915	3.2271105
NEDD4L	4.460665	4.368482	5.04686	4.5495935	5.571697	8.1614925	7.1286775	5.48505	8.3305715	8.077466	6.961665	7.807613
SGCD	6.931921	6.602797	7.4910045	6.5113455	7.690255	5.513821	7.742186	7.617906	4.203442	7.410363	7.377112	7.6117205
UGT1A6	3.543849	3.724567	3.575058	3.69582	3.498088	3.44194	3.531451	3.531451	3.730623	3.520892	3.795898	3.677286
RHCE	5.716706	5.616409	5.784317	5.637429	5.540352	5.518398	5.590272	5.681913	5.528878	5.381585	6.021807	5.212095
OR52A1	4.125466	4.144503	4.073447	4.058417	4.230925	3.960654	4.310664	4.213505	4.050318	4.04102	4.383798	3.810761
PDCL2	2.591043	2.627717	2.547744	2.26274	2.499815	2.397678	2.445857	2.511183	2.525864	2.71713	2.536547	2.469828
OSBPL10	4.840979	5.312734	4.864316	5.389792	5.641185	5.336968	5.695121	5.59334	5.853664	4.903645	5.257799	5.090106
MYO1A	4.731965	5.25896	5.240255	4.955397	4.826836	4.744045	4.372589	4.774418	4.672939	4.157485	4.930758	4.163002
HUWE1	4.795728	4.916446	4.358042	4.568863	4.631088	4.667922	4.684908	4.489651	4.637361	4.964133	5.441019	4.750092
NR3C1	11.06936	11.13269	11.14923	11.47759	9.396111	9.332542	9.163276	9.363613	10.46572	9.516216	9.324121	9.300679
RNPS1	9.1895285	9.347985	9.206715	9.253462	9.6293075	9.816142	9.972642	9.4960755	9.2377685	9.6856395	10.2217585	9.650966

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
RAMP2	5.222901	5.640447	5.589153	5.490241	5.352621	5.104763	5.178685	5.381082	5.295076	5.278469	5.231984	5.119264
CLCN2	5.395115	5.322169	5.300208	4.945756	5.066913	6.519633	5.418097	5.353064	4.914849	6.037039	5.678147	5.871047
FOLR1	5.210746	5.124454	4.844331	4.963157	6.023137	6.518263	5.27074	5.926787	4.669292	5.205842	5.393646	6.40244
EDNRA	5.620808	6.614398	5.764567	5.76369	9.305578	5.602438	7.86448	9.026136	6.376219	8.073687	5.460554	7.953238
DERL3	5.788065	5.403227	5.445908	5.301342	5.544763	5.463528	5.674802	5.506056	5.300173	5.388866	5.329647	5.267028
IKBKG	7.9551435	7.97347	7.903837	8.0935455	7.729829	7.409325	7.43213	7.666143	7.470618	7.3523645	7.7705345	7.3765505
FBXW5	7.745101	7.815566	7.976491	8.11245	8.095041	8.423696	7.910891	8.029243	7.148327	7.144962	7.616655	7.261412
IL31RA	3.253543	3.125919	3.196658	2.999676	3.037241	3.10863	7.535209	3.038696	2.909776	4.16438	5.311402	3.343787
ABHD1	4.852757	4.88635	4.750555	4.888745	5.099196	4.890969	4.688084	5.219532	4.731473	4.635927	4.808682	4.309792
CSHL1	3.706715	3.894202	3.745887	3.642981	3.687658	3.784343	3.566281	3.778362	3.42484	3.372054	3.731741	3.270132
KIAA1147	6.196167	5.792157	6.054779	5.8677095	5.5860965	5.526766	6.6044285	5.6861465	6.009998	6.778572	6.307372	6.8669785
KCNE1	3.520026	3.9067785	3.5887675	3.863022	3.7818875	7.0058985	3.9985205	3.76526	3.785183	3.5335955	8.365604	3.359552
WDR36	7.126907	6.8489575	6.9664975	6.8082005	7.1887255	8.1432395	7.810294	7.106831	7.5300865	6.8930145	7.5021115	7.1901685
NARS2	8.377953	8.398803	8.38966	8.069223	8.845432	9.275542	9.108707	8.6019	8.411755	8.617773	8.788478	8.770681
TIFA	4.446631	4.294281	4.275263	4.89408	3.601818	3.269992	3.480718	3.766023	4.474952	3.508517	3.948972	3.921764
PCSK4	5.934539	6.765795	6.185649	6.15889	5.917122	6.058548	5.603971	5.789844	5.971907	5.834384	5.901344	5.68957
MRPS22	8.947929	8.731015	8.9510555	9.0791315	9.389887	9.582692	9.4165195	9.4625945	8.938238	9.390492	9.5205985	9.624037
PNPLA4	6.1998505	5.4718955	6.1154965	5.943797	6.3940525	4.3020935	6.411219	6.380946	7.7211275	6.6285955	7.6938495	3.6704305
TTR	6.367117	6.162584	6.271456	6.688753	6.430793	6.66553	6.631445	6.690334	6.721076	6.357911	6.802762	6.191626
VASH1	4.6419	4.965835	4.423159	4.726041	4.171388	4.381066	3.978823	4.190289	4.340906	4.222124	4.373032	4.232668
IFITM1	10.53648	11.27084	11.3449	9.80683	11.19261	7.371773	11.66794	10.92103	12.07166	11.24299	12.86775	12.01187
PAH	2.580767	2.719096	2.635145	2.705755	2.560629	2.539486	2.493152	2.669736	2.521031	2.58565	2.745024	2.548887
KCNN1	6.650471	7.040833	6.770389	6.582409	6.171576	6.007492	5.969081	6.192747	5.964857	6.112041	6.026866	5.781217
NFRKB	6.287291	6.438937	6.2341855	5.731112	6.6992875	6.823208	6.636432	6.5791545	6.1200805	6.263844	6.2873665	6.2849235
HAT1	10.1583	9.791456	9.730242	10.14862	10.68293	9.063808	10.96228	10.53834	10.13364	9.363987	8.859534	8.858239
GJA3	4.4277735	5.126554	5.102887	4.320155	4.588926	4.679481	4.320877	4.5956935	4.1634705	4.139072	5.679903	4.1884675
RGN	5.497087	4.955383	5.581992	5.906026	3.950562	3.754725	3.895103	4.020213	3.521139	4.078411	3.469045	3.60134
VASP	7.736914	8.383518	7.642247	8.412789	8.057912	8.073061	7.870542	7.990147	7.584027	7.591648	7.768157	7.605477
LAIR1	5.267495	5.5058085	5.5444365	5.346937	5.319625	5.386896	5.344093	5.3694615	5.5416715	5.08244	5.612703	5.2997545
PDGFRB	9.130032	9.332818	9.061059	9.285821	7.265319	6.48667	5.831203	6.950504	8.798958	7.163228	6.339846	6.913884

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
WWP2	5.77419	5.65755	5.8173	5.80445	5.5735005	5.533765	5.684702	5.756649	5.8625385	5.5650775	5.772678	5.435779
MMP28	3.529176	3.702096	3.677005	3.428131	3.778812	6.754224	3.685088	3.686961	3.771514	3.506305	7.979877	5.368383
AQP8	3.905223	4.054736	4.058417	4.355946	4.325258	4.309955	4.286577	4.294264	4.125454	3.976374	4.195485	3.772016
VGLL1	3.687791	3.920205	4.094368	3.652338	3.760714	3.653123	3.676618	3.668615	3.486944	3.692438	3.466875	3.672617
NMNAT2	4.5943045	4.42847	4.508562	6.035382	4.673505	5.3854225	5.0091915	4.581319	4.8527445	4.824969	5.3336765	5.561355
SLC45A2	4.367988	4.2912875	4.334446	4.6157205	4.410569	4.532281	4.5650785	4.506282	4.5778505	4.164292	4.468953	4.175512
XCL1	3.936585	4.1192625	3.7142845	3.9787775	4.0087095	4.0444735	3.9259635	4.0607265	3.962703	3.955755	4.127095	3.738703
DPP6	4.738256	4.567528	4.390267	4.942842	4.963078	4.396925	4.638165	4.769948	4.703176	4.326841	4.671862	4.614071
PHACTR2	8.807623	8.914264	8.928942	8.933966	5.283999	8.46575	5.293014	5.337365	7.328444	6.474554	7.559057	6.728032
CYC1	9.976685	10.06485	9.915136	9.847904	10.88356	10.88245	11.38052	10.83519	10.06311	10.33632	10.8969	10.56104
KCNMB2	3.587755	3.501972	3.4822	3.4960095	3.6192375	3.215427	3.410646	3.653932	3.5255115	3.636647	3.527608	3.527365
PDE11A	3.3110195	3.487306	3.752205	3.4104635	3.403247	3.295691	3.4267905	3.4224045	3.4436515	3.4088535	3.4713065	3.381316
GABRQ	4.947417	5.049865	4.777036	4.919129	4.881652	4.968213	5.1205555	5.06072	4.905147	4.6454315	4.965666	4.8056715
NCOR1	7.319465	6.7480375	7.2479595	7.156979	6.7170805	6.6569155	6.6593775	6.7255825	7.361649	6.764104	6.718081	6.6032215
ARTN	4.700716	5.321748	4.727926	5.279307	5.089061	5.136048	5.029931	5.357963	5.404865	4.695355	5.085475	4.261602
SMTN	9.55745	9.7326445	8.9464605	9.1585145	6.555999	7.1459455	6.0909375	6.480596	5.561447	5.766315	6.3147685	5.7152355
POLR1E	5.819857	5.692415	5.946076	5.865179	5.90889	7.053122	6.231131	5.611622	4.600627	5.419003	6.732214	6.491581
TRAK1	6.997662	7.168532	7.15386	7.692904	6.700228	8.111386	6.956394	6.811639	7.234975	6.927832	7.864129	6.770641
ERGIC3	4.012665	3.984133	4.000738	3.970152	3.803259	3.963233	3.893521	4.01183	4.258327	3.569562	3.885388	3.744555
DPP3	8.637791	8.222719	7.956855	8.472001	9.0327725	9.0896725	9.021343	9.072713	7.9294605	8.3540125	8.957469	7.9856725
MYO3A	3.019099	2.935415	2.772748	2.947694	2.778288	2.96606	2.930097	2.826634	2.922713	3.04879	2.997427	3.038497
DPY19L4	8.146727	8.432587	8.523603	8.181276	8.365885	8.207788	8.233356	8.307632	8.11498	8.282011	7.569221	8.371987
SOX14	3.68356	3.907198	3.821993	3.596196	3.506513	3.669779	3.49499	3.798738	3.743841	3.66844	3.68356	3.511485
RPP40	7.952219	7.583847	7.5969	8.219015	9.646789	9.76545	9.608284	9.723084	8.843876	8.708629	9.968844	8.76309
TTLL5	3.614649	3.702096	3.565093	3.567841	3.629787	3.871409	3.671056	3.771931	3.882186	4.902971	3.617164	4.582085
GRM6	4.530392	4.243705	4.614283	4.947169	5.076787	4.760823	4.813241	4.814862	4.891025	4.677206	4.715148	4.565207
TGDS	5.9132805	5.4055865	5.6724225	5.525889	5.6072165	5.4737685	5.6962505	5.484513	5.2814375	5.870362	5.619	6.17169
CRISP1	3.1251055	3.2299245	3.337522	3.2510675	3.3807525	3.2833675	3.1339875	3.1674285	3.2341505	3.1379545	3.458205	3.1970775
IRS4	4.182217	4.311516	3.903839	3.927638	3.817945	3.88562	3.732883	3.998635	3.890452	3.580673	4.189506	3.984737
IMPA2	6.216931	6.051815	6.86114	6.27922	8.923818	7.498426	9.234129	8.602698	7.408819	7.976445	6.904441	8.275232

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
ARL5A	8.819874	8.593794	8.733015	9.033318	9.770738	9.746934	9.975131	9.768596	8.461211	8.921097	8.486625	8.940441
IL4I1	4.974707	5.047124	5.097515	5.049942	4.926103	5.152331	5.138808	5.047124	6.129896	5.331069	5.931093	5.17551
PCNA	11.02748	10.94207	10.68287	11.34589	11.36363	10.10367	11.90386	11.33661	10.72172	10.90294	10.81489	10.87045
PF4	6.250541	5.69415	5.675254	5.586172	5.267474	5.350231	5.290252	5.378956	5.707908	5.090813	5.571167	5.1624
FYTTD1	9.3500045	9.1163075	9.668809	9.281148	9.79095	9.7662045	9.124432	9.746783	9.76039	8.795294	8.9887815	8.246445
TAPBPL	6.4384095	5.739547	5.554519	6.033407	5.8514195	4.6633505	4.6374845	5.83112	7.724995	5.69722	6.345418	5.512722
DYRK4	8.778147	9.132765	9.033422	8.721767	8.525885	8.727592	8.35859	8.584591	8.342652	8.383164	8.772652	8.169485
BIRC7	5.178933	5.451315	5.308784	5.092517	4.489782	4.456291	3.949133	4.899009	4.350804	4.58315	4.905708	4.53395
ZNF568	3.389803	3.390481	3.206945	3.165987	3.445847	3.001049	2.946829	3.404282	3.895559	3.353818	3.484027	3.308947
CD300LG	3.604547	3.461264	3.584969	3.443887	3.544206	3.454235	3.388591	3.551688	3.481364	3.5057415	3.306036	3.379934
GFER	6.2808095	6.4074985	6.6589135	6.5301145	6.4801505	6.187722	6.576699	6.4899625	5.9519615	6.329542	6.6237165	6.545952
TRAF3	7.1597655	6.6942875	7.2645775	7.2190535	7.2074635	7.6992425	7.5136205	7.1733445	7.6489445	7.2812305	8.30233	7.240468
MYO1G	4.428977	4.6959175	4.5152915	4.6850755	4.719485	5.256429	4.5674415	4.832746	4.343163	4.340056	5.073556	4.4228975
BICC1	7.822144	7.5938475	8.1246645	7.4647705	3.706789	3.200118	3.3633065	3.56106	7.2151415	4.2193975	3.755099	4.074906
KLK4	5.453758	5.613636	5.700755	5.265514	5.282501	5.070771	5.215015	5.1474	5.168079	5.002944	5.083611	4.873136
CCL27	4.082267	4.194834	4.480788	4.11078	3.975475	3.766623	4.325636	3.739423	3.896985	3.790776	3.950562	3.873289
HOXA5	7.350974	6.167535	7.16747	7.068849	6.124974	6.380141	6.754795	6.028997	5.152467	7.651402	6.782417	8.98449
CCNDBP1	10.28007	10.36483	10.35959	9.845794	10.32513	9.780065	9.482691	10.4182	9.450563	8.265223	9.896936	7.406557
SERPINA9	6.114493	5.900166	6.083098	6.413765	6.29794	6.020161	6.33886	6.288479	6.036688	5.867194	5.768187	5.739331
PRPF4B	8.839981	8.705076	8.742691	8.327456	9.259665	8.671223	9.42613	9.166935	8.3187	8.414848	7.352401	8.035408
DCHS2	3.297728	3.584097	3.402579	3.447792	3.459637	3.4045335	5.0646895	3.4679435	3.375841	3.34807	3.3922805	3.426904
VDAC2	11.63658	11.3783	11.47195	11.43221	11.51407	11.78778	11.80872	11.48431	11.3281	11.56843	11.8581	11.76195
CHST11	5.496988	5.80997	5.585083	5.969622	6.62357	8.538231	7.89268	6.764132	5.768187	7.148131	8.782344	7.916332
BAG1	7.019032	6.968156	7.46547	7.393729	9.00208	8.48851	9.224477	8.861617	8.23374	8.046215	9.171312	7.846414
ADAMTS20	2.7338515	2.5877665	2.4524805	2.626059	2.660749	2.4973105	2.754505	2.600607	2.6846	2.670093	2.5213555	2.530878
LILRA5	3.213517	3.694529	3.3187665	3.308037	3.3410785	3.3042825	3.273557	3.282822	3.190689	3.2781035	3.334338	3.1818485
FCHSD1	5.638888	5.9262475	5.72264	5.674262	5.0983645	4.4770255	4.8391835	4.835902	5.325366	5.1637105	5.180995	4.8845975
PLCD4	4.698116	4.520167	3.744232	4.591152	5.778199	4.985973	4.9546	5.581397	4.982192	5.172345	5.279997	5.272
TAT	3.702067	3.797411	4.062881	4.31197	3.837188	3.889682	3.888772	4.017399	4.126486	3.824098	3.945978	4.030501
HSPBAP1	5.808179	4.441699	5.808213	5.38507	7.109762	6.18529	7.595005	6.834862	8.276591	7.866203	7.32778	7.867043

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
SFT2D2	6.60868	6.277291	6.787396	6.962376	7.5014	6.511244	7.035885	7.486472	6.803195	6.758445	7.002812	5.943656
CALCOCO2	5.96486	5.6799735	5.9416035	5.653426	5.473406	5.5540895	5.2280655	5.4460045	5.946258	5.323564	5.8840445	5.575008
CLGN	7.321931	6.659275	6.989391	7.226411	3.085757	4.203486	2.608705	3.620366	10.4241	4.831218	6.499843	4.581182
PHYHIP	4.210123	4.462983	4.201658	4.376918	4.394812	4.517916	4.145611	4.271057	4.482276	4.013505	4.511092	4.030437
CYP4F2	4.793462	4.823035	4.562561	5.040453	4.695958	4.532763	4.646999	4.672411	4.410028	4.323545	4.562561	4.50742
LRRC4C	4.255056	4.2066535	3.4841695	3.885903	4.9531845	4.0828225	5.733402	4.9855655	4.409152	6.805497	4.7796865	7.1142205
CBFB	9.128447	9.0171125	8.9976335	8.862414	10.3071485	8.948014	9.434575	10.1015055	8.263502	9.229746	9.465334	8.2236795
ATP6V1G2	4.934145	5.322988	5.101402	5.140885	4.830426	4.484432	5.159151	4.959992	5.241493	5.091035	4.682956	5.17032
SEMA3A	4.869214	4.628622	5.531698	6.538301	4.697375	3.723891	2.873117	4.535263	5.187642	4.609336	3.098441	4.140889
PARD3	7.16415	6.841285	6.956615	6.9585545	7.0100565	6.6785865	7.31489	6.992503	7.6823315	8.1502595	6.91818	7.8432895
BTN2A2	4.321572	4.36887	4.240846	4.841524	4.800573	4.200461	4.918668	4.568835	5.599962	5.016447	5.004755	4.959833
DNAH9	3.589892	3.671834	3.395871	3.576055	3.49499	3.544349	3.614649	3.41967	3.585682	3.109314	3.765305	3.137481
PFN4	4.2823855	4.555312	4.3906165	4.368415	4.1386445	3.9187825	4.1488605	4.258016	4.2493495	4.2057015	4.369384	4.0042585
COQ7	6.025694	6.603331	6.469777	6.635564	6.675374	6.166502	6.935725	6.58307	6.934326	6.503832	6.90915	6.516827
CST5	4.315094	4.309784	3.633848	4.40678	4.201747	4.433106	4.312412	4.3284	4.137261	4.127952	3.706264	4.028004
LRRC42	8.9067	9.111825	9.683742	9.249276	8.803902	9.167055	9.038373	8.623676	9.641905	8.083951	8.397467	7.869841
SPTLC1	8.83301	8.616028	8.719248	8.186781	9.118116	8.64627	8.82184	9.137629	8.982085	7.710209	8.599715	7.383275
DGUOK	8.307733	8.147755	8.059492	8.20524	8.806352	8.40807	8.961252	8.876254	8.248647	8.012615	8.75789	8.138378
TPM4	9.863846	11.66362	9.990695	9.961877	10.32507	9.285401	9.628311	10.31459	8.866518	7.606712	8.856352	8.483219
MYO15A	3.759032	4.0084	3.826362	3.355049	3.850582	3.537618	3.441213	3.734958	3.824736	3.732265	3.926437	3.429906
CHCHD7	8.252446	7.9508045	7.8903305	8.52795	7.9281925	9.0790095	9.091475	8.14167	8.232722	8.271299	8.4958145	8.2188325
MAS1	4.316481	4.745312	4.262973	4.789428	5.113613	5.031027	4.66344	4.745444	5.036816	4.760978	5.288533	4.446711
ZIC5	3.100534	3.074728	2.64271	2.821688	3.26885	3.105429	3.153872	3.149045	3.709046	2.535677	3.18776	2.698171
EIF4EBP2	7.158436	7.208536	7.310767	7.385172	7.50899	7.587808	7.832604	7.377787	6.48972	7.080788	7.043368	6.934118
ZNF514	7.245754	6.635596	7.34059	6.493186	6.091785	6.299205	5.969622	5.89704	6.215963	6.810277	5.989331	7.005024
C5	6.681847	5.804564	6.559692	5.543645	4.593542	4.213162	3.687612	4.537413	6.030263	4.451143	4.633255	3.90415
CD99L2	6.646708	7.2772575	6.87241	7.024345	6.512355	7.536565	6.6133815	6.503882	6.6465915	6.542013	6.233186	6.413501
OR2C1	4.984709	5.282885	4.848414	4.982585	5.0988	4.678516	4.841738	5.000705	4.909962	4.817302	4.725068	4.962907
DHX9	8.304012	7.818935	8.135235	7.351175	8.722837	8.321401	9.241291	8.574908	8.02441	8.426208	8.133673	8.307209
CDX1	6.235213	6.532561	6.561275	6.172849	6.003243	6.124397	5.944736	6.16793	6.035666	6.243182	6.019674	5.907969

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
SAR1B	8.457723	7.719388	8.372602	8.44764	8.256866	8.697122	8.514401	8.208351	8.463608	7.616084	7.837627	7.099182
PKN1	6.483813	7.833175	6.965335	7.768624	5.774456	6.282221	5.336169	5.291742	6.452353	6.2928	6.438534	6.016367
RAB40C	5.9407235	6.207922	6.1076945	6.0667935	6.1070635	6.1954415	5.970279	6.028356	6.0603365	5.949771	6.103122	5.8181475
OGDH	6.235213	7.309179	5.77146	5.732566	5.80691	7.773344	5.79767	5.768187	5.341277	5.603797	5.725339	5.759181
ZRANB1	8.158716	8.081787	8.594333	8.275303	7.748538	8.055058	7.588909	7.605613	8.535649	7.654289	8.136957	7.41679
COL6A2	11.285241	11.4578755	10.6528535	10.4473195	6.239888	5.709324	5.7290715	5.7211235	8.219026	6.8990125	5.785504	6.580945
ZFPL1	6.077928	6.763708	5.648777	5.415277	5.720802	6.077928	5.866019	5.75071	6.833715	5.367616	6.331098	5.317831
ZC3H14	8.793252	8.152005	8.8085685	8.5701595	8.2012705	8.5073655	8.1917095	8.190228	8.4968645	7.997811	7.636405	7.7720505
USH2A	2.588799	2.327983	2.563809	2.359097	2.52075	2.664779	2.608704	2.714362	2.638803	2.576741	2.576741	2.417752
MYO3B	2.805072	3.175175	2.8662	2.878142	3.028798	5.412468	5.643412	2.967725	3.163059	5.631276	4.150096	6.966443
ADAMTSL1	6.416522	6.90296	7.1344065	7.7570555	4.6171845	5.54548	5.2679535	4.849813	5.0667475	5.7690965	4.5096725	5.7712565
INSL4	3.938646	3.896388	4.218208	3.888221	4.059554	4.026875	4.185554	4.031806	3.984039	3.94998	3.950562	3.790992
DCP1A	7.899021	7.726561	7.8040385	7.757556	7.254988	7.8422495	7.8317605	7.2386625	7.825601	8.040927	7.8777455	7.9069735
MND1	6.142818	6.335141	5.825065	6.616655	8.03034	3.634913	7.905099	8.029279	3.615608	7.862195	5.08375	6.980676
LTK	4.6243995	4.7123955	4.4674835	4.4957825	4.7361625	4.220727	4.53068	4.533914	4.239851	4.416072	4.233142	4.230825
RUNX3	4.816021	6.945043	6.520943	4.886771	4.982332	4.678516	4.764668	4.678516	4.620625	5.491008	4.392745	5.320983
PPARD	6.0013415	5.995064	5.7684925	6.0810145	5.5624605	5.314755	5.1140705	5.3606975	5.179963	4.661357	5.516907	4.6733615
SEZ6L2	6.6447	7.164146	6.647584	6.425146	6.10728	6.012531	5.902176	5.974158	6.537798	6.629528	6.14192	7.192425
FAM76A	4.7116725	4.64058	4.749701	5.4855425	5.4011665	5.0842255	5.709831	5.39188	6.0410475	5.167692	5.4996735	5.179806
GRB2	8.773656	8.362403	8.5578295	8.8765975	8.9220275	9.249293	8.8444695	8.869744	8.7495615	8.4584535	9.0818235	8.5252575
WWC1	5.864255	5.16078	5.430621	5.135659	5.028732	4.923233	4.706503	4.817441	5.003008	5.30876	5.180608	5.221749
DDX10	5.5226455	6.106571	5.977659	5.859165	6.229528	6.3669605	5.844261	6.18332	5.8514975	5.935452	6.8041065	6.450932
RPL30	12.91723	13.08729	13.17288	12.99613	13.25266	13.29158	13.28441	13.2353	13.22183	13.01813	13.41289	12.81349
KIF5B	10.32942	10.14059	10.24656	10.60628	10.62292	10.85117	10.90269	10.6041	10.2586	10.65326	9.421868	10.61407
LYPD4	4.246194	4.348981	4.942736	5.021316	4.572116	4.459376	4.353976	4.646385	4.61959	4.392748	4.82998	4.467211
MLX	8.791129	8.124551	8.464886	8.517437	8.516068	8.222207	8.875766	8.462161	7.63203	8.144163	8.702596	7.860804
AGXT	3.491211	4.16177	4.090796	3.983007	4.046363	3.58032	3.755768	3.785271	3.222715	3.529804	3.947915	3.257856
MRPL48	8.60185	8.381451	7.920968	8.50892	9.043795	9.064967	9.514056	8.947392	8.339498	8.787751	8.548185	9.091955
PPIL2	6.733872	7.035864	6.713412	7.008728	6.951599	6.5821235	6.939129	6.8900895	6.50131	6.789628	6.850269	6.788274
TRAPPC6A	5.439126	6.646249	6.7749	6.285765	7.461965	7.192798	6.77498	7.368505	7.508273	7.084807	7.574506	7.329695

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
MED28	5.849262	5.872793	5.624238	6.299066	7.075912	6.676716	7.208179	6.824042	6.489342	7.004568	6.235435	6.975056
PEG10	7.842741	8.4344635	7.1443245	8.634508	3.9970045	3.5576115	8.573084	3.8325885	8.909966	7.8044625	3.784059	7.592736
ZNF451	7.764886	5.777911	7.149499	6.108939	6.892761	6.161377	6.618346	6.920685	5.251316	7.148554	5.43946	8.348761
PNPLA8	9.559692	9.23352	9.395924	9.429098	9.329245	8.882397	8.981729	9.272708	9.844817	9.152553	8.357533	9.321797
ACACA	6.9432805	6.6723585	7.09129	7.1329165	7.175817	7.90184	7.9114925	7.2578395	7.1180835	7.411317	7.354269	7.424376
NDEL1	9.611551	9.316495	9.741883	9.461031	9.179494	9.53056	8.987642	9.185796	9.165439	8.565803	9.413429	8.66363
IMMT	9.863346	9.719236	9.72944	9.966372	10.02843	9.739843	10.25802	10.01937	9.563004	9.858492	9.578271	9.821377
SERHL2	6.0902045	5.9269815	5.388199	5.7455345	5.2735475	4.9348485	5.138478	5.194945	5.1657185	4.9017275	5.4409985	4.896142
PLN	2.605032	2.580361	2.6359695	2.588889	2.7721965	2.51648	3.247342	2.780376	2.448317	3.2173495	2.5795605	3.030984
FREM2	2.169524	2.122226	2.460041	2.132573	2.441096	2.389378	2.360151	2.380161	2.337046	2.762558	2.320626	2.233211
ENPP5	2.8037445	2.577477	2.5386225	2.5494055	2.4040725	2.4785925	2.3300015	2.26879	7.2196295	2.272095	2.3173905	2.445479
RNF148	3.048932	3.005616	3.163127	3.190785	3.342809	3.205991	3.208459	3.390545	3.477974	3.305364	3.25268	2.997542
EIF1	12.3088	12.31989	12.35476	11.90363	11.61038	12.01874	12.07114	11.49965	12.66087	12.30509	12.42034	12.15657
HSD17B3	4.524898	4.601445	4.540945	4.629482	4.539686	5.118285	4.593168	4.783953	4.511257	4.163723	5.116309	4.185704
ZNF142	6.223518	6.087013	6.2650515	6.342546	6.3755595	6.5286165	6.4049905	6.1246205	6.7041875	6.708094	6.674023	6.5629615
FUCA2	9.053708	9.307348	9.21723	9.769896	9.316733	10.30641	9.628214	9.421053	9.620826	8.344273	10.52638	8.479443
EXOSC5	8.085255	8.294057	7.784499	7.635415	8.523048	9.032041	8.652669	8.482876	8.478834	8.09259	9.817787	8.375734
CPXM2	6.754493	7.022846	7.012858	6.243369	5.74151	5.316643	5.271626	5.781667	5.168911	6.853021	5.438719	5.80948
KRTAP10-11	5.591067	5.332596	5.361507	5.805349	5.830145	5.230355	5.762607	5.867208	5.720304	5.529912	5.649469	5.508636
TMEM106C	6.290899	6.3645055	6.253035	6.5212845	6.6559145	6.320058	6.692706	6.5313055	6.4291255	6.6204385	6.532922	6.4955015
FLG	3.069946	3.168961	3.518128	3.781679	9.26664	12.15273	6.758649	10.21607	5.409126	3.04879	6.348749	3.307911
SPG21	8.588717	8.4593215	8.610388	8.3367185	8.640575	8.144133	8.472016	8.5703755	8.552647	8.589049	8.5938205	8.858611
UBE2J1	8.8162015	8.7619425	9.0453765	8.80313	7.971815	8.640575	8.2301845	7.939346	8.620112	7.086146	7.605574	6.875021
MYO1D	5.6458985	6.345068	6.300899	5.7525685	2.876799	3.8061275	3.0510875	3.250914	5.170746	4.172114	4.0485365	3.805162
SPTY2D1	7.4079245	7.3723925	7.550568	7.61759	7.5819575	8.0173575	7.5433625	7.6422625	7.492511	7.28544	7.14438	7.0866865
SEC61B	7.692257	7.690666	7.7398605	7.399252	7.624663	7.7264365	8.230718	7.8431755	7.589735	8.554677	7.949093	8.8599165
RANBP3	6.5881435	6.777433	6.798641	6.770073	6.4467015	6.3545435	6.493369	6.0069785	6.4579535	6.1599185	6.481819	6.206074
NUDT18	6.287536	6.327081	6.600446	6.971862	6.572165	6.217351	6.541939	6.51469	6.459386	5.865712	6.323525	5.904546
RTN4RL1	4.699317	4.758221	4.722878	4.950875	4.758161	4.665719	4.724565	4.805849	4.553849	5.738553	4.639584	5.22167
SEPHS1	7.868335	7.689997	7.711769	8.097269	9.115261	8.12747	9.511329	8.712493	8.327399	8.782692	8.236412	8.534426

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
FRAT1	5.179824	5.131929	5.270439	5.028153	5.866279	4.73365	5.561788	5.499964	4.79756	5.287458	5.854694	5.803028
ZNF254	3.335159	3.334863	3.726123	3.427401	3.786956	2.997226	4.127964	3.974274	3.575237	4.462128	2.752276	2.885807
POLI	7.019736	6.64839	6.524396	6.265955	5.5703685	3.5431765	4.978209	5.5122955	6.683722	6.2483715	3.757102	5.1520985
CSNK1G3	9.042238	8.771232	9.010178	8.849926	9.375483	9.497988	9.45981	9.441862	9.142193	8.803324	8.440759	8.832084
SPINK4	4.893206	5.176685	4.814307	4.798406	4.886729	4.985972	4.73469	4.812826	4.449348	4.372351	4.792367	4.366389
ZNF224	5.783331	5.330894	5.971123	5.453637	5.898796	5.695682	5.600173	6.060692	5.952549	6.250543	5.950711	6.356525
BCAP29	7.525393	7.593603	7.424601	7.006027	6.80494	6.4348445	6.553749	6.859981	6.807472	6.303576	6.1345905	6.337203
TOP3A	6.191483	6.267416	6.266998	6.131445	5.926063	6.42933	6.069713	5.599732	6.121629	6.182867	6.511821	6.094884
POLR3B	3.025358	3.043732	2.721274	2.858337	2.989441	3.2341	2.836514	3.368277	2.572992	2.851814	3.168122	2.954512
OR4D1	4.741843	5.0250055	4.5910625	4.9515985	4.676579	4.836608	4.7010275	4.945183	4.9632975	4.4499815	4.8867655	4.558324
TTC32	6.439949	6.891599	6.888522	6.10617	7.121303	6.952253	7.570844	6.991182	6.715401	7.113585	7.515811	7.410316
OR51B2	5.214221	4.894353	5.2403	5.093001	5.369745	5.178533	4.91223	5.340793	5.479017	5.232163	5.393456	5.299753
CIRBP	7.856254	7.798305	7.693357	7.327458	7.060925	5.928298	6.809629	7.220949	7.197368	9.164068	6.729431	9.083312
FOXC2	4.111493	4.70336	4.360016	4.333817	4.107887	4.164678	3.918127	4.118052	4.793712	4.025191	4.020722	4.111493
USP6NL	6.110837	5.259154	5.806136	6.396602	5.503201	5.4034	5.994473	5.359027	6.735616	5.774026	5.728435	5.90388
KPNA3	9.6615525	8.890067	8.8945175	9.234663	9.3829225	10.100471	9.4777795	9.377139	8.593031	8.6466805	8.9327045	8.3360635
BPY2	3.332443	3.434105	3.321385	3.659497	3.614649	3.112451	3.493592	3.675428	3.244408	3.349407	3.320109	3.290901
CACNA1G	4.642243	5.418027	5.107282	4.627449	4.560463	4.357009	4.391023	4.730879	4.703519	4.537152	4.834831	4.294917
PPP3CC	5.5256425	5.474147	5.697823	5.898335	5.56782	5.9353	5.4481165	5.7446915	6.835542	5.192631	6.285227	5.1252045
PPME1	8.796059	8.938835	8.950748	8.573787	8.724953	8.664999	8.615168	8.83761	8.568564	8.710232	8.086687	8.642125
GRHL2	3.317886	3.56656	3.672205	3.23941	3.905176	3.912091	4.690717	3.909777	3.871017	3.619719	3.746338	4.240522
CEACAM6	3.9125225	4.121812	3.899011	4.3128755	4.13829	4.0486225	3.994168	4.129199	3.8454425	3.8287025	4.089237	3.8370755
FAM47A	2.724239	3.058953	3.06874	2.720715	2.98998	2.92057	2.867743	3.063394	2.846491	2.733539	2.814806	2.747111
TBCC	8.282562	8.440783	8.359625	8.429484	8.764354	8.563955	8.733016	8.85042	9.371821	8.579446	9.254439	8.315768
CELSR1	4.026646	4.293028	4.35657	4.107788	4.21009	4.168696	4.260676	4.032706	4.33442	3.974741	4.231061	4.156008
SSH1	7.087876	6.7210945	7.29986	6.5114025	5.131209	5.020554	5.1657725	5.0845745	5.3243435	4.7118845	4.966632	4.4579215
AIM2	4.054304	3.960047	3.650894	3.897158	3.717824	3.653895	3.588128	3.603313	3.662107	3.569407	3.740299	3.513124
SLC30A8	3.883553	3.8888115	4.083503	4.2425135	4.0642185	3.8408745	4.0742345	3.8957725	3.759904	3.53527	3.8591785	3.7434065
SUPT7L	6.6243	6.361499	6.672142	6.20697	7.06335	7.64942	7.180861	7.033192	7.504151	7.025306	7.396792	6.797076
PANX3	2.960027	2.96788	2.957502	3.160539	2.9587	3.01194	2.971327	2.96788	3.001638	3.028543	2.738713	2.772721

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
KLF10	9.969531	10.56176	9.926878	9.847901	9.798806	9.374605	9.020976	9.873668	10.83895	8.513237	10.2569	7.698647
COL3A1	12.341505	12.44653	12.60652	12.478625	12.733185	11.4219	12.19139	12.811065	11.962425	13.206445	9.9252285	12.98246
PCDH1	4.898304	5.632952	5.1257705	5.152033	4.9646765	5.870509	5.178532	5.0866925	4.87676	4.8447775	5.163474	4.7743965
NUDCD1	7.578568	7.132745	7.327326	7.7194805	7.4096725	8.41476	8.18643	7.2260785	8.1071785	7.091747	7.0821825	7.1095135
CD244	3.8373165	4.092633	3.925861	3.9138635	3.925926	4.118965	4.135124	3.95894	3.8505825	3.8829345	4.226402	3.84815
WTIP	6.777046	7.000709	7.334641	7.083749	6.1147	5.861814	5.96226	6.176473	6.361848	6.437402	6.339847	6.512224
HIBCH	7.4263315	6.71965	7.226896	8.0598425	9.22823	8.612134	9.459178	9.224281	7.8442515	9.06324	7.293976	8.886546
BMP5	3.2787215	3.302576	3.5041575	3.5671255	3.46783	3.4618195	3.442028	3.5346925	3.6045395	3.203472	3.3719715	3.3260225
CAGE1	2.335217	2.669446	2.509342	2.424103	2.548464	2.445002	2.39467	2.471832	2.340112	2.488316	2.367342	2.426706
MED25	7.602153	7.671834	7.657742	7.518561	7.467932	7.326048	7.362657	7.401316	7.250717	7.549462	7.567287	7.262093
VPS25	9.21134	8.846458	8.863056	9.265301	9.690999	9.694349	9.650022	9.687228	9.474541	8.994789	10.07377	9.158489
TTYH3	8.954166	9.525789	8.762711	9.050076	8.330007	8.47456	8.270881	8.333143	8.908413	8.777323	7.600064	8.361155
CCR7	3.118369	3.418708	3.043409	3.295079	2.894691	3.166345	3.131789	3.137246	2.909045	2.958381	3.243763	2.716159
MAN1A2	6.2758605	5.6287335	6.374145	6.3096945	6.200503	7.1730885	6.8400145	6.276772	5.939484	5.978675	5.441139	5.4439075
FCGBP	5.028275	5.094742	4.964885	5.134663	4.859969	4.92107	4.801125	5.083855	4.850764	4.701057	6.171672	4.932778
TMCO4	6.7564605	6.7456765	6.545821	6.6698355	6.1592425	5.918999	5.8110905	6.0971345	6.7965925	5.700011	6.7595205	5.5367525
NDUFA4	11.57473	11.55541	11.15406	11.66278	12.13978	11.69748	11.93986	12.12514	11.16556	11.79983	11.66485	11.78812
RND1	4.972272	5.247462	5.200736	4.574758	5.177359	5.133627	5.494338	5.147269	5.352566	5.520793	5.291526	5.217163
CCND3	6.81402	6.615616	6.737368	6.796943	6.6950945	6.3549135	6.4794775	6.7613495	6.466503	6.1628205	6.642005	6.295438
SSX1	3.103295	3.343846	3.151464	3.1169785	3.0317465	2.9512955	3.235641	3.1159025	3.1256485	2.930881	3.141226	2.948708
UBE2Q2	10.0769	9.920846	10.32529	10.04174	9.352499	9.235054	8.81992	9.278766	9.539617	8.773849	8.950557	8.475519
SLURP1	4.761537	4.817934	4.732671	4.896181	4.79458	4.664092	4.751817	4.847585	4.709404	4.723961	4.99947	4.582495
ZCCHC12	3.150921	3.55414	3.354592	3.495841	3.408169	3.297472	3.360554	3.620436	3.248456	3.245665	3.349063	3.248456
NDUFA9	6.317599	6.193751	5.9986045	6.6322645	6.5352975	6.676263	7.0189215	6.617106	6.445704	6.3504545	6.571839	6.594928
FXYD4	3.943878	3.927763	3.720276	3.644215	4.11044	3.860363	3.907427	3.935736	4.045379	3.834582	3.934443	3.621747
RCBTB1	3.181911	3.142776	3.167447	3.016767	2.932939	2.958912	2.96534	3.144464	2.87895	2.874977	3.075944	2.993553
UBE2D3	10.44565	10.33464	10.66108	10.73665	10.49406	10.75101	10.68502	10.50104	11.07505	11.04115	10.74953	10.47396
NAGK	10.25976	10.13338	9.933695	10.01251	8.893213	8.389364	8.67139	8.798333	10.42668	9.114802	9.476529	9.052251
NONO	10.28719	10.78732	10.22657	10.23635	11.45426	10.53609	11.44064	11.32426	10.61306	10.42863	10.62367	9.921677
ZNF544	5.6769395	5.414022	5.856256	5.976283	5.9621235	5.782136	5.9140825	5.934409	5.845613	5.9819365	5.973843	6.2262615

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
SVIL	6.580176	5.889128	6.729695	6.917913	7.126925	8.56034	8.298791	7.261459	6.960702	8.179909	8.206137	8.146238
PRKCD	7.403913	8.012043	7.303189	6.975368	6.306804	6.845488	6.026487	6.314027	6.395985	6.499048	7.670648	6.346242
DPM3	8.310113	8.385808	8.01402	8.448809	8.365668	8.471718	8.236146	8.289635	7.172638	8.600224	8.710233	8.176661
TMEM119	9.088436	9.40453	9.337542	9.067227	8.673733	4.893604	6.161667	8.528849	3.677444	8.347784	4.564379	8.264927
HERC5	3.60218	3.652654	4.269447	4.077361	5.248816	3.838864	4.637179	5.268553	10.65523	6.415242	7.521552	5.698455
SPAG16	3.121092	3.212693	3.38498	3.079896	2.9406	3.210504	2.818247	2.9406	3.105679	3.040718	3.004592	2.841082
RDH8	4.967262	4.762734	4.376477	4.972692	4.342442	4.167784	4.279657	4.764539	4.620276	4.316437	4.682956	4.13451
ENTPD2	4.8910245	5.0275955	4.7460015	4.7904465	4.5576285	4.4193865	4.5883805	4.582162	4.4604225	4.3088015	4.513314	4.153235
CRYM	6.014577	6.213929	5.938847	6.12725	6.588936	5.788748	5.85307	6.207869	6.45252	8.114388	6.25704	8.143505
CHD1L	6.632992	6.458339	6.751493	6.410801	6.722941	6.473779	6.735224	6.635227	5.76337	7.572664	6.471826	7.531155
RIC3	4.13993	4.642831	4.153946	4.428178	4.220459	4.399224	4.331695	4.127092	4.275568	3.765368	4.212792	4.253273
NDFIP1	9.03821	8.608725	8.891378	9.081017	8.615902	8.980513	9.104342	8.567538	9.39328	10.12607	8.581067	10.27314
SRPK2	7.286166	7.709762	7.867806	7.7042225	7.9477325	7.6633415	8.217389	7.761576	8.032551	7.384721	6.8582925	6.9909305
BRMS1	7.699282	7.735647	7.751724	8.401693	8.570801	9.032791	8.922215	8.514055	8.663842	8.059998	9.084949	7.72065
SLPI	5.372532	5.759339	5.794417	5.946536	10.17867	9.982057	9.372396	10.21018	6.803053	9.820379	11.19278	10.6561
CBFA2T3	3.512521	3.354422	3.557031	3.60239	3.390241	3.343047	3.607175	3.469279	3.4049	4.867196	3.267384	4.327035
TSPAN17	6.33767	6.662533	6.592208	6.906692	6.397563	6.7787975	6.399226	6.444924	6.814044	6.427157	6.788033	6.3796285
XAGE2	4.859023	4.970206	4.655758	4.498122	4.54968	4.411696	4.321418	4.459421	4.233812	4.478092	4.636414	4.416753
DVL3	7.2012785	7.283276	7.278526	7.1208005	7.3111345	7.4453365	7.210744	7.3082685	7.299649	7.7757725	7.268812	7.797678
CEBPB	11.69026	11.58139	11.64462	10.95118	9.771431	9.278414	8.80055	9.657038	11.94514	10.18068	11.13485	10.29658
SLC39A8	3.9948915	3.9422485	4.1559235	4.220694	4.1588475	5.534301	4.861255	4.3153445	5.248946	4.18619	5.362682	4.266986
TMEM30B	4.2398685	4.8599325	5.440062	4.516921	4.7023515	3.9308365	3.842107	4.9333645	4.6027845	3.726486	4.0421895	3.48132
ADAM29	3.136769	3.318676	3.602923	3.36376	3.339135	3.074964	3.152964	3.362533	2.998076	3.181663	3.143461	3.158479
GPRASP1	4.464467	4.582276	5.11593	5.183147	4.309646	4.708903	4.069345	4.424022	6.802102	6.689961	5.11593	6.932705
GTF2H2	8.418164	8.27692	7.855783	8.564733	9.348493	8.6954475	9.9298555	9.386749	8.6342755	8.877739	8.5235	8.4554305
TNFAIP2	6.2771705	6.0869435	6.4862965	5.8794045	5.690261	5.658573	5.355456	5.4292695	6.2937655	5.676224	6.3570965	5.6452485
B4GALT2	7.720016	7.903257	7.91354	8.065554	7.511865	7.432831	7.586214	7.375579	7.13014	7.814171	7.576611	8.029746
SAP130	7.750149	7.256513	7.361776	7.797969	7.856527	7.928263	7.817509	7.787437	8.192466	7.86368	7.784112	7.673626
UGCG	10.43313	10.09659	10.68917	10.47612	7.474432	8.144976	8.687668	7.687795	11.28363	8.767963	8.653442	8.004714
PGM2L1	6.700853	5.998156	5.734178	6.104629	6.415796	6.304229	5.639438	6.597661	6.775531	5.826787	5.790535	5.753517

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
LTBR	5.3415335	5.780064	5.54522	5.68559	5.50583	6.107784	5.3022785	5.588406	5.6173435	5.284839	6.023719	5.3532015
MRVI1	4.772011	4.870794	4.366389	4.659611	4.302768	4.228162	4.079547	4.204268	4.30559	4.494236	4.331784	4.130412
AKAP11	7.6892875	7.017429	7.4231925	6.9231875	6.9648805	6.7562395	6.9104515	6.822584	6.8161985	7.3716765	6.111946	7.660672
SLC24A1	4.995527	5.145981	5.382477	4.9924135	4.838043	5.009539	5.0126765	4.886558	5.2340365	4.792053	4.9507275	4.4770185
CALN1	3.249444	3.257836	3.222959	3.207166	3.363553	3.258323	2.791047	3.565093	3.286594	3.217078	3.522166	3.308275
CHRNA5	3.699573	3.32975	3.831764	3.845214	3.894803	3.862472	5.763142	4.128675	5.768187	5.603447	5.902674	3.720739
NOTUM	6.328354	6.357549	6.396923	6.111255	6.77499	6.145152	6.249444	6.776807	6.231651	6.100389	6.148943	6.097733
ZFYVE27	7.089028	7.170758	6.774365	6.788491	6.945106	7.201969	7.018253	6.863964	7.190294	7.55582	7.649796	7.252557
DDAH1	8.6788725	8.981982	8.718257	7.1765985	6.3207635	5.7377665	5.067104	6.5418555	5.4824115	5.0498325	5.284093	4.8011405
ACSL3	8.8774715	8.3872895	8.2764335	8.9540235	8.4013395	9.454289	9.0157475	8.302208	10.1767365	8.4076195	8.532584	8.7548185
CASP3	8.377226	8.513634	8.960781	8.576967	8.458668	9.130496	8.542212	8.47985	9.58931	7.965924	8.861097	7.305599
DAAM1	6.311025	6.20517	6.541641	6.668087	6.076812	6.73951	6.617379	6.347428	5.309925	6.517951	5.636269	6.394243
SLK	8.739341	8.772028	8.889199	8.7046415	8.776124	9.522628	8.736867	8.823121	8.5681095	8.2621005	7.5541375	8.9516495
FOLH1	3.502936	4.177106	3.938516	4.239767	4.074275	3.894935	3.980407	3.990685	4.157805	4.026295	4.19185	4.069106
RAD9A	5.922066	5.994205	6.124734	5.832889	6.030111	5.531985	6.695222	5.887818	6.335666	6.282331	5.709282	6.483308
GPR153	7.4570235	7.5469955	7.8394485	7.6464165	8.205436	7.756763	7.5514285	8.1547095	6.7221295	8.9811285	8.1278025	8.921145
GABRB2	3.14243	2.983317	2.990186	2.990186	2.951256	2.889765	5.341749	2.909995	2.984278	6.058124	2.995037	7.043443
FZD1	7.0492115	7.5121615	7.7973745	7.5163665	8.3301395	7.039779	6.820366	8.2278355	6.7706735	6.121163	7.306518	6.1911745
SHARPIN	7.392318	7.591848	7.314865	7.339357	7.233292	7.331518	7.201862	7.277758	7.317281	7.290972	7.164765	7.428127
FNDC3A	5.6082675	6.231722	6.086134	5.2319905	5.241397	5.3228595	5.4910585	5.27945	4.906725	4.882839	4.315782	4.710685
HCCS	8.4656135	8.012054	8.371652	8.7482005	9.4294625	10.453585	9.8827925	9.5402555	9.507331	9.159408	10.7731	9.3408645
KCNK7	5.052557	5.210746	4.821693	5.219687	5.225563	5.107493	5.22005	5.242539	5.356052	5.182045	5.197719	4.72735
NTN4	2.947619	2.508695	5.822853	6.26989	3.75649	9.477486	6.727368	4.327703	8.922337	7.476929	9.363629	6.68217
CHD6	5.390993	5.221748	5.4747885	5.3945175	5.5449575	5.295169	5.5233465	5.635701	6.185576	5.628509	5.618971	5.79968
MUC13	4.1009355	4.1048935	4.070237	4.278778	3.936742	3.66655	3.8428925	3.8934005	3.71531	3.773267	3.645266	3.8123725
AMELX	2.948228	2.92493	3.078967	2.853446	3.054823	3.246305	3.282898	3.128613	2.977454	2.908855	2.638684	2.55856
HGS	7.1916075	7.4023985	7.08623	6.449338	5.993137	5.96179	5.7898845	6.0224225	6.2206205	6.3883795	6.115326	6.2510555
DLD	8.776977	7.792778	8.4115555	8.618089	9.182702	9.3648915	9.4723635	9.125113	9.0381655	9.2452895	8.42143	9.188223
KCNJ4	3.6258165	3.8255075	3.846991	3.854763	4.131843	4.037946	4.1941345	4.082156	4.167571	4.0673705	3.886163	3.750053
SYNE2	4.148268	4.429021	4.487441	4.513956	4.419532	4.040069	4.427736	4.591612	4.378036	4.582375	3.776792	4.040069

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
EHF	3.1508755	2.9910515	3.2987875	2.8718165	2.915618	4.247456	4.3604675	2.8962415	2.844868	3.554264	3.8716425	3.959473
IQCC	5.162613	5.290157	5.28831	5.405191	5.22604	4.756011	5.209281	4.882776	5.096429	4.948723	5.120173	4.850764
TXLNA	6.5263205	6.5855995	6.742684	6.9142215	6.6916405	6.52093	6.6394725	6.7149595	6.1752205	6.419929	6.5733015	6.2675495
ZNF248	5.929835	5.6610265	5.6167685	5.8007635	5.7541575	5.71375	5.6916235	5.7835485	5.83665	6.517884	5.924375	6.2717185
RWDD1	7.806777	7.501946	7.6176765	8.215187	7.375557	8.024837	8.0807435	7.213988	8.0085415	6.8946745	6.561355	7.312282
ARID3A	5.9747435	6.084582	6.07907	6.004358	5.9374155	6.2248765	6.200441	5.8008145	6.0826505	6.8392115	7.032704	6.7350615
USH1G	6.439981	6.507824	6.456935	6.675985	6.600462	6.579942	6.378377	6.68065	6.20255	6.519075	6.411827	6.256149
FZR1	5.989858	6.358277	6.0476065	6.232023	5.6238045	6.295072	5.759802	5.4417095	5.6882245	5.4911025	5.931717	5.2086635
RTN3	9.693333	10.020657	10.117645	10.43302	10.062868	9.9598235	10.534575	9.9941745	10.43815	11.04181	10.47635	11.04988
RET	4.94359	5.167065	5.094345	5.207332	5.194732	4.606826	4.993312	4.88022	4.822265	4.251139	4.92713	4.288015
ZNF235	4.6200495	4.4430495	4.573784	4.5546635	5.0355075	4.718441	4.793507	4.9179945	5.553727	5.437913	5.0753455	5.346782
CHD4	8.857895	8.46149	8.862433	8.30997	9.003595	8.626214	8.918868	8.937873	7.514328	9.231133	8.211888	9.088886
FABP4	3.5170365	3.635583	3.462342	3.504479	3.504583	3.4689895	3.529925	3.466263	3.703165	3.52236	3.546818	3.3253155
ZNF14	5.777038	5.759339	5.87802	5.982781	5.641041	5.843396	5.486879	5.61869	5.976053	6.516717	5.737201	6.480449
CHPF	7.163942	8.233122	7.253366	7.750426	6.857862	7.534921	6.679477	6.90789	6.356779	6.932704	6.344908	7.281419
MAEL	2.950741	2.704829	2.985902	2.861176	3.00038	3.480347	2.941945	2.907877	2.943522	3.077996	3.985875	2.55856
ALG6	7.832902	7.523964	7.899099	8.049412	7.98081	7.99062	8.394762	7.69986	8.015216	8.607882	7.816742	8.146205
PMCH	4.012665	3.966132	3.907533	4.430533	4.862117	4.377529	5.35452	5.039178	4.479362	4.226776	3.741622	3.929586
CACNG7	3.59887	3.729738	3.846278	4.12302	3.954488	3.777896	3.816585	3.91966	3.815345	3.625259	3.950535	3.596529
SAMHD1	6.029617	5.5314415	5.647914	5.915586	7.4113935	7.7732095	8.112948	7.297192	9.3214125	5.623192	7.925714	4.902288
KLHL3	4.631004	4.491085	4.758047	4.2256025	4.281806	4.2780525	4.1281065	4.2875375	4.4305385	4.533708	4.14631	3.872022
CD276	5.798159	6.427563	5.624521	5.470114	6.550686	7.267858	5.448811	6.233819	6.441324	5.153667	6.340792	4.309307
GPR62	5.836921	6.07672	5.893242	5.728009	5.572315	5.480075	5.724473	5.801905	5.438138	4.764668	5.635009	5.275031
HARS2	8.68366	8.541786	8.607805	8.743622	9.377988	9.187263	9.556132	9.332215	8.118316	9.603903	9.542794	9.468151
MARCO	5.061792	4.838766	4.891792	4.799115	4.994798	5.995365	5.018856	5.06396	4.954032	4.83468	5.70529	4.592861
TIMP4	4.442692	4.339932	4.699171	5.008539	4.458801	4.753231	4.143625	4.300124	6.728552	3.68445	6.615274	4.020793
ASRGL1	4.886458	4.9288485	5.026791	5.1422795	5.3921415	4.887986	5.0428195	5.188222	6.2795805	5.392937	5.02862	6.0880355
DIXDC1	6.093639	6.108722	5.881048	6.075229	5.954768	5.80843	6.3552	5.90589	5.250433	5.964103	5.749859	6.082468
AP4S1	6.345844	6.1008055	6.424494	6.6050995	6.47259	6.05327	6.840785	6.3546645	6.670679	5.9618145	6.300185	6.2911515
GMEB2	8.2541685	8.002083	8.2998665	7.976964	7.556116	7.763096	7.508367	7.5443265	7.838258	7.6487395	7.620478	7.675042

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
TMEM88	5.053659	5.345042	5.560015	5.17306	5.294589	5.111263	5.341545	5.346173	5.806293	5.392887	5.456894	5.32777
PLCH2	5.765053	5.78658	5.851504	5.373302	5.320543	4.969682	4.827727	5.088428	5.215709	4.938858	5.206696	4.985201
PHF23	8.7487355	8.832505	8.764679	8.5264805	9.4590885	9.4884015	9.238934	9.4788915	9.303661	8.427536	9.6254755	8.258486
TRIM23	6.95813	6.333898	6.492447	6.526026	7.064737	7.24683	6.952075	6.884867	6.392797	4.884487	5.41483	4.423786
KCNK6	5.927361	5.702358	7.106685	6.969711	5.807952	8.211069	5.677792	5.221603	6.161946	5.315961	8.011795	5.838547
TRIM41	7.567758	7.436335	7.507133	7.458052	7.321375	7.627987	7.448802	7.326426	7.168228	7.753849	7.689445	7.869417
HOXD12	3.093085	3.54899	3.142401	3.469379	3.191638	3.433505	3.566416	3.373927	3.277863	3.145486	3.079837	2.778805
DCBLD1	8.0810965	7.7892615	7.9046325	8.4141255	6.382374	6.7026315	6.1188235	6.4297805	7.994943	5.9980565	6.3566955	5.296227
GPR22	2.539451	2.7425615	2.507937	2.5006305	2.5263665	2.540491	2.560262	2.597909	2.601467	2.5451575	2.5614705	2.4823155
COX6B1	10.90792	10.7571	10.62047	10.84355	11.29966	11.12918	11.35554	11.32352	10.46197	11.45104	11.10686	11.3954
SLC14A1	2.650295	2.977061	2.7726495	5.302411	2.5803795	2.6343665	2.5833505	2.552244	2.8081525	2.645014	2.5089755	2.5148535
ZNF33A	4.458964	4.701547	4.77206	4.381837	4.83601	4.812689	4.935501	4.851379	4.471412	4.39152	4.577346	4.50333
RPS12	13.44303	13.27147	13.42633	13.44707	13.72124	13.53221	13.67326	13.68617	13.64275	13.60635	13.74142	13.55336
PCSK6	3.645943	3.702096	3.533165	3.447014	3.449052	3.476896	3.519077	3.447014	3.475085	3.633071	3.808749	4.329167
AFMID	5.161961	5.191831	4.773305	5.088362	5.463858	5.033017	5.059109	5.022064	5.215304	4.868912	5.113868	5.069939
KRIT1	7.02028	6.911361	6.958716	7.3583125	7.543711	7.3066	7.4699525	7.400695	7.201081	7.210436	6.361055	7.049918
CSTA	7.770204	6.614452	8.886015	6.617158	6.907848	6.856957	4.308861	6.84938	3.816	6.619222	9.613553	7.440144
TOR2A	5.277419	5.0343995	5.0649925	5.34867	5.417142	5.398596	5.650919	5.2667865	5.1181015	5.2868015	5.5732185	5.4485385
R3HDM2	5.478482	5.426543	5.682783	5.5215725	5.403662	4.832555	5.3467265	5.2991315	5.3370495	5.8328125	5.470345	6.3014615
FAM98C	7.21705	7.619771	7.111909	6.880013	7.307291	6.957503	7.526678	7.198715	7.529495	8.147239	8.111829	7.682691
MCFD2	9.959759	9.916906	9.348733	10.03367	9.178771	9.701775	9.001846	9.368725	8.993279	7.66237	8.69556	7.156178
MECR	8.171299	8.258385	8.001089	7.945752	7.956059	8.256254	8.013823	8.018856	7.985751	7.946537	8.56793	7.844636
SMC3	7.5648745	7.798805	7.468372	6.7035975	8.2213175	7.531011	9.029953	7.997714	7.622624	7.7032285	5.7754155	8.1502645
KIF25	4.8911375	5.3986805	5.022982	4.867424	4.8260065	4.9633245	4.660532	4.836249	4.9397805	4.690666	4.8744245	4.529249
ALDH18A1	9.6024135	9.511447	10.067675	10.172875	9.431124	9.860957	9.4403055	9.369204	9.243432	9.2959455	9.302873	9.3058845
FGA	4.122277	4.199471	4.018408	4.060876	3.901201	3.806013	3.709429	4.312486	3.973236	3.703223	3.901506	3.538541
COG4	8.420164	8.130797	8.193737	8.773022	8.584336	7.859626	8.474097	8.59523	8.024746	8.798407	8.812834	8.768703
DUOX1	3.713584	3.721843	3.601066	3.57518	3.783801	3.434414	3.42152	3.619117	3.669901	3.582549	3.730215	3.544239
TMEM154	6.717175	6.760518	6.187214	6.631781	4.382746	6.1635	3.20252	4.292705	6.976365	4.016135	6.81968	4.405761
POLR2I	9.411808	9.325792	9.041494	9.350996	9.469669	9.622465	10.09378	9.460215	9.48175	9.69914	10.21447	9.665236

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
GPKOW	8.192998	8.097911	8.022195	7.923326	7.322678	7.388012	7.527737	7.303221	8.248155	7.284517	7.954982	7.512683
ABHD5	6.944559	5.470998	6.7974475	6.360739	6.200678	7.178526	6.247682	6.2010015	6.3540855	6.0863755	5.952342	6.1482375
IFNA10	3.664025	3.853293	3.701197	3.780364	3.923176	3.269249	3.664758	4.002819	3.549306	3.844523	3.383894	3.566138
LAIR2	4.361513	4.918365	4.965691	4.764071	4.104209	4.051878	3.900126	4.242563	3.979126	3.776576	4.031619	3.549566
SLC7A9	4.809891	5.220594	5.028821	5.154683	4.616603	4.752226	4.701459	5.036891	5.032375	4.833448	5.081579	4.620265
PCDHB8	2.858232	2.802495	3.32267	2.879456	3.310791	3.205991	3.162235	3.303978	3.049071	2.921516	3.326646	3.049071
HS6ST2	2.74133	2.429348	2.648158	2.488478	9.2073	10.2976	10.78233	9.495061	7.617414	10.24203	9.787827	10.33972
WWP1	7.9520965	7.4116225	7.647077	8.291482	7.973861	8.37723	8.174101	8.151085	7.606923	7.390957	7.2885735	7.3333535
SPINK5	3.841452	3.956257	3.93714	4.077839	3.952657	3.921598	3.804255	4.227419	3.777289	4.21906	4.051099	3.583868
NAGPA	6.921839	7.146899	7.072859	7.228025	7.021203	8.373495	7.2233	7.043275	7.535343	6.243095	7.812169	6.832016
KRTCAP3	4.175423	4.222453	4.108198	4.221175	3.933468	4.158582	4.269555	4.063275	4.44528	4.457885	4.39782	3.873289
WDR78	3.863363	3.303958	3.940633	3.981038	3.560249	4.501803	3.353364	3.83183	4.75341	3.443696	4.565726	2.936813
OLIG2	3.4070235	3.734624	3.3762805	3.4329765	3.2722305	3.2915775	3.2349705	3.2500085	3.2789285	2.94822	3.253027	3.0923615
TNFSF18	4.179627	4.251298	3.734348	4.372172	4.164929	4.503552	4.002493	4.30625	5.035689	4.045322	7.774238	3.912895
GTF2I	7.483977	8.036978	7.405141	6.741233	8.48564	7.807036	8.043764	8.397144	5.99435	5.838441	6.479606	5.780174
ZBTB7A	4.7713465	5.116188	4.8459125	4.7086745	5.717097	5.7060155	5.425451	5.3836095	5.2738505	4.801939	5.8452135	4.9178895
TNS1	7.63865	8.301604	7.384422	7.953711	6.093077	6.703915	5.015312	6.171692	6.430978	5.622824	7.368876	6.045565
ZNF579	7.350595	7.904383	7.411355	7.36427	7.089776	7.16239	6.926396	6.9705	7.3482	7.47526	7.315802	7.584083
DRD3	3.363269	3.332561	3.3813285	3.2903285	3.451184	3.2401085	3.370608	3.4634395	3.2955305	3.2546985	3.517677	3.240315
EXOSC4	7.670427	7.48992	7.555872	8.126578	8.999859	10.06982	9.404738	8.998165	8.739692	8.388827	9.685362	8.457722
MPDU1	7.2797745	7.2174545	7.0223495	7.2931985	7.316321	7.430476	7.340023	7.4459795	7.254024	6.801672	7.3715225	6.6460185
RPL14	12.54073	12.63522	12.57143	12.47999	12.8026	12.92499	12.78363	12.8671	12.3571	12.6235	12.7815	12.63509
ZNF350	5.189825	4.7554545	5.5789945	4.815756	4.7643345	5.388388	4.5432315	4.639933	5.271996	5.0877005	5.2303065	4.78446
OXT	5.450435	5.75934	5.761109	5.374688	5.279997	4.998066	4.814391	5.238866	5.779118	4.996356	5.499964	5.055286
ZNF672	5.369015	5.904093	5.272943	5.381136	5.501064	5.384784	5.272943	5.320554	5.223028	4.964181	5.440281	5.213643
STK38L	6.8838655	5.750583	6.922115	6.795511	9.003104	9.409472	8.655634	9.0311545	7.780258	7.8222675	8.725283	8.4359595
FAM83G	6.441469	6.572889	6.441323	6.496026	6.058029	6.48298	6.14681	6.044024	6.068715	5.411577	6.243649	5.333613
PPP2R2A	6.789413	6.6447955	6.687099	6.6396405	7.183109	7.913317	7.971479	7.1697255	6.6950625	7.092269	7.452574	7.342174
RNF138	7.228123	7.313997	7.802879	7.9109285	7.796764	7.522922	8.7853345	7.528838	7.6812835	7.735939	7.116416	7.6065785
PIGT	7.3132605	7.3616825	7.494577	7.4242255	7.7796465	7.2030575	7.6709165	7.7010405	7.582499	7.642472	7.8112205	7.5386745

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
CABP2	4.744719	4.845154	4.532393	4.704828	4.651784	4.424424	4.610374	4.592841	4.548874	4.211583	4.289654	4.289692
TBC1D10C	5.635979	6.138873	5.963935	5.599839	5.757833	5.682686	5.401757	5.874831	5.931311	5.885186	6.315454	5.398367
SEC63	7.304136	6.879915	7.3345325	7.0341995	6.3675825	7.046683	6.7654925	6.0453075	7.178934	7.7966935	6.724216	7.6864435
ABL2	9.023432	9.09936	9.230065	8.592567	7.381262	8.643799	7.503163	7.392316	8.507798	7.001305	8.215095	7.354774
LGALS1	13.81989	13.8082	13.79815	13.93658	12.68642	9.653741	11.59563	12.56877	13.49398	12.69406	12.4501	12.01623
CNOT3	4.516361	5.182953	4.322994	4.956833	5.184693	4.433802	5.301594	5.257228	4.832844	5.694175	4.682956	5.253412
AMT	6.86654	6.697335	7.214355	6.280753	6.447492	5.756264	6.009402	6.577426	6.960453	7.197058	6.558161	7.103209
ARMC6	6.733363	7.006234	6.597903	6.852182	7.433114	7.811691	7.770161	7.366379	7.013018	6.899655	7.282948	7.245978
CXCL14	6.635028	7.124638	5.689347	5.95376	5.480239	5.013103	5.709431	4.907423	3.996142	7.630662	6.966612	5.343322
PDHA2	3.282047	3.918666	3.850728	4.060619	3.816793	3.709049	4.046137	3.999405	3.732872	3.60907	3.70898	3.656734
KCTD13	6.2462645	6.383139	5.985329	5.7958715	6.141134	6.7511375	5.977892	6.0331125	6.126593	7.8801815	6.798909	8.7569865
CXCL5	8.683333	5.700449	4.624828	4.632047	2.87983	3.010769	2.608705	2.737596	5.316961	2.904428	2.925789	2.588159
TBC1D5	8.778399	8.43724	7.949366	8.047577	8.301022	7.873628	8.055216	8.156869	8.908942	9.148895	8.379168	8.72506
GABRG2	3.1506215	3.311552	3.4243435	3.541952	3.491428	3.4001905	3.421069	3.6812715	3.46234	3.227075	3.524996	3.3399185
ZNF749	2.723215	3.216265	2.859426	2.885689	2.905135	4.585012	2.944732	2.971327	3.045201	2.821426	2.909465	2.90776
SYN1	5.001575	5.7012365	5.4084375	5.3291585	4.9527735	5.3525555	5.310043	5.199091	5.052882	5.066853	5.0180145	5.0625765
GTPBP8	7.929065	7.300967	7.791704	8.404847	8.269028	8.479779	8.791434	8.34542	8.290786	7.752369	7.939233	8.286773
PGM5	3.033086	3.642602	3.34269	5.092386	2.961665	3.350227	3.203387	3.25621	3.195444	3.078491	3.649834	3.052926
RCHY1	6.625153	6.2444265	6.1208175	6.5674655	6.886745	7.4614005	7.3837495	6.8015145	7.8567485	6.6552335	6.5905915	6.557674
HES6	5.321051	5.248816	5.222323	5.738527	5.714066	6.099604	6.122927	5.703442	7.151918	5.772387	5.678918	5.759577
SLC35A2	6.510256	6.893886	6.097573	6.378861	6.70011	8.480519	6.824783	6.893679	7.661901	6.04387	7.49035	5.387092
RPP30	4.8923255	4.32581	4.775052	5.248015	5.4431725	5.4464075	5.6654485	5.1874245	5.826733	5.2543175	5.683089	5.331348
TUBGCP5	6.6014995	6.5070875	6.7822645	7.191267	6.7108225	6.8029755	6.4616555	6.563065	7.102049	6.124646	6.7678515	6.1861845
JARID2	8.303699	8.158607	8.372972	7.800075	8.063406	7.773952	7.864664	8.15243	7.282152	8.844002	7.786455	9.069296
MAPK9	8.242726	7.914134	8.219572	7.704006	7.851316	6.740908	7.691251	7.920698	7.468662	6.979853	7.524483	7.062494
PPID	9.166744	8.7193245	9.0055555	9.106691	9.76223	10.207575	9.663347	9.7331795	9.500444	8.7615145	9.634538	8.925778
MORC4	8.128227	8.364411	8.577434	8.802177	5.389687	7.776451	7.08139	5.351042	8.215907	7.90283	8.133668	8.027321
RGR	4.760529	5.183455	4.791204	5.031664	5.205416	5.158029	5.073215	4.899951	5.007646	4.319306	4.939078	4.91558
ZXDC	5.70336	5.2626175	5.788477	5.1647825	5.8967325	6.174519	6.1657205	5.826836	5.540722	6.6887555	6.4935495	7.3761705
CETN1	5.06552	5.519626	4.921544	5.611189	5.508043	5.22364	5.343529	5.698091	5.276771	5.102726	5.521986	5.165116

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
SHB	6.674944	7.323245	6.931657	7.0461945	6.0855	6.643573	6.22906	6.0177465	6.4986125	6.3546195	6.418529	5.7756085
CTDSP1	8.29743	8.413381	8.921069	8.789082	8.056783	7.048222	7.570315	7.880352	8.011262	7.694071	7.761663	7.966289
DDO	4.2255825	4.1892	4.253833	4.32088	4.3963735	3.896674	4.8484475	4.4715565	4.142064	4.141816	4.5464405	3.832697
SDF2	8.356432	7.868105	8.152066	8.464702	8.89319	9.056305	8.642132	9.052353	8.556705	8.29506	9.083479	7.907891
ANXA1	8.696078	8.6004515	8.3024625	8.479825	9.221868	8.817801	9.472272	9.2302185	9.278586	10.5026875	9.1468285	9.4681275
CAPS	5.2236795	5.4162315	5.191392	5.1913985	5.466923	5.5979915	5.269379	5.2161365	4.7217255	4.8156245	7.3025215	4.7195685
KIAA0232	6.4870935	5.97467	7.022055	6.8381005	7.388809	7.733746	7.050003	7.5865075	7.7202805	7.617546	7.1416545	7.4470015
RAB11FIP4	3.612062	3.770365	3.47679	3.708545	4.04361	4.453146	4.680198	4.131531	3.781822	5.265684	4.756094	5.337483
TRIM47	5.784221	5.889586	5.446222	5.786129	6.992473	6.790939	7.539456	6.754747	6.852414	7.339492	7.859373	7.297196
EEFSEC	6.945623	7.482356	7.215992	7.271098	6.420781	6.520665	7.062651	6.461573	6.818168	6.783542	6.747071	6.884515
HDHD2	9.108148	8.51503	8.899476	9.668294	9.442637	9.187534	9.403908	9.457926	8.67614	9.289124	8.498702	9.184099
PCDH9	5.1978815	3.6052725	4.5674065	4.1022165	5.546221	5.066604	4.636449	5.9387795	3.6378115	7.8390575	3.544371	7.682643
GP1BA	5.067506	5.352947	5.298475	5.371206	5.065001	4.800478	5.238581	4.976786	5.038033	5.134509	5.494452	4.912824
USP12	6.110778	6.270111	6.036734	5.9639345	6.0264175	7.756045	6.62373	5.98462	5.930451	5.642732	6.200174	5.754183
PHKA1	5.0761765	5.434388	5.54659	4.9418445	4.9209195	7.117402	6.0040445	4.68266	6.6865395	5.437631	6.5767325	5.7752915
ALOX15B	4.4214805	4.567426	4.3427575	4.508354	4.3918995	4.5566355	4.2572175	4.476305	4.285394	4.2639015	4.4324385	4.0213235
STX8	6.0790095	6.1160495	6.04405	6.2062185	5.936225	5.667989	6.0117865	5.9984185	5.880985	6.236446	5.94833	6.3621125
RNF151	4.910048	5.352273	5.445908	4.800209	5.151891	5.25388	5.327011	5.247259	5.267113	5.338432	5.440043	5.247259
UGT2B4	2.215276	2.200034	2.40519	2.656283	2.414315	2.320875	2.175963	2.243091	2.157365	2.217356	2.305502	2.386553
UCP3	4.2879795	4.9360725	4.3839115	4.6106685	4.3704685	4.244363	4.347018	4.4440025	4.144105	4.339728	4.5298565	4.1215565
GCM1	3.524289	3.334248	3.193135	3.283266	3.241055	3.256669	3.258327	3.42611	3.119206	2.943462	3.360473	3.137481
DLL3	4.796987	5.3803385	4.9178105	5.057181	4.925847	4.884607	4.895659	5.0671885	5.301479	4.8416805	5.2332315	4.6715055
RFNG	7.745694	8.479198	7.876761	8.036089	7.149241	8.243322	7.188334	7.194349	7.484967	7.606712	7.277649	7.560689
TNFSF13B	4.473012	4.0116725	4.517438	4.533241	3.763382	3.8062265	3.670286	4.1776955	9.6620895	4.9058665	7.115276	5.207791
SH2D3C	4.292272	4.208971	4.463352	4.221137	4.071605	4.034867	3.900951	4.038404	4.242098	4.092351	3.929725	3.781822
TNIP2	7.715842	7.890245	7.978637	7.985997	7.983787	8.240808	8.019577	7.946632	7.741151	8.093628	8.575481	8.027415
ANKRA2	8.217465	7.932848	8.234394	8.282259	9.157332	8.686253	10.23794	9.225134	8.759972	9.693487	9.039709	9.575529
ANKRD27	9.043916	8.542433	8.63884	8.606112	7.793644	8.354544	8.007927	7.64989	7.832191	8.367427	8.547377	8.739952
PEA15	11.225495	11.588425	11.26718	11.168305	9.9223845	10.235196	9.0214315	10.029926	10.7087365	8.931063	10.581866	8.141409
ACOT4	4.791108	5.334388	5.901788	4.865707	4.740859	4.237811	4.829278	4.687954	7.070931	3.945559	4.435205	4.048042

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
DEFB118	5.440716	5.631481	5.273727	5.602456	5.579995	5.431644	5.214532	5.599284	5.557528	5.665623	5.557897	5.726644
ZNF319	6.652555	6.614439	7.013335	6.964374	6.616653	6.848174	6.402339	6.388509	7.508879	6.546898	7.75606	6.549137
SPINK6	3.54844	3.595407	3.689121	3.7913	4.280644	3.849257	3.606062	4.233819	3.709623	3.913849	3.994625	3.992175
TTBK2	3.917956	4.182687	3.847853	3.457035	3.60326	3.900468	4.070264	3.622219	5.056876	3.938556	4.075906	4.216115
ECM2	4.7955445	4.365631	5.3086715	5.3953635	5.4165005	6.5501305	6.5119555	5.3928625	6.666541	6.4757165	6.464197	6.703048
DOCK8	2.75869	2.85508	2.6597155	2.8960345	2.900003	3.930711	2.707591	2.8657655	2.6923605	2.680603	2.745822	2.5411055
POLR1A	6.387551	6.29014	6.2828445	6.4761785	6.7801545	7.0094635	6.958224	6.787234	6.467661	6.5571345	7.078689	6.778172
CDC42EP1	7.892092	8.440513	7.842035	7.711531	5.907007	6.942533	5.515762	6.008829	6.607666	5.878496	6.322407	5.549273
RPUSD3	5.245701	5.678108	5.404329	5.211539	5.651937	5.473522	5.956247	5.728857	4.911911	5.244908	5.322432	5.174839
ADAMTS8	4.256228	4.948241	4.820126	4.575527	3.859269	3.971161	3.904179	3.876051	3.909102	3.831943	4.021386	3.647073
PHOSPHO2	4.786565	4.968429	5.759444	5.188089	5.578775	7.054362	6.126057	5.992279	6.958065	4.982953	6.056155	4.455338
ANKRD2	4.912079	5.372531	4.767536	4.996441	4.574786	4.358202	4.257101	4.616042	4.593196	4.222079	4.289417	4.673717
KIF18A	7.24894	6.778075	6.566541	7.435205	6.836213	3.920205	7.428089	6.474261	6.322027	6.478344	3.785478	6.011763
RPL10A	12.87874	12.85302	12.88883	12.78203	13.06851	12.54101	13.2093	13.08969	12.0126	12.84186	13.08149	12.78603
FRMPD4	5.1832665	4.6310485	4.3338145	4.62798	4.004351	3.842989	4.0654345	4.084144	4.300444	4.292827	3.9170125	4.143085
MMP1	13.54058	11.5757	10.87803	12.97645	3.714627	4.323922	3.493424	4.237691	4.353146	7.793737	9.510314	8.167805
GPC5	2.700679	2.841282	2.708737	2.911413	3.073175	2.796706	2.769171	3.033524	2.802418	2.737386	2.74284	2.627547
HOXB4	6.922108	7.076794	6.895825	7.182806	7.162156	7.22661	7.571572	7.172857	6.19659	7.370383	7.558158	7.738964
PEX11G	5.753672	6.016671	5.988523	5.897763	5.786808	5.712615	5.576027	5.757734	6.168482	5.523666	6.097277	5.704926
WDR64	3.267305	3.175871	3.432441	3.529057	3.437751	3.160689	3.459612	3.398744	3.595347	3.42171	3.376775	3.381192
ODF3L1	3.687034	4.068987	4.009073	3.907529	3.854593	3.982608	3.68307	3.862695	4.000347	3.613343	3.844297	3.679278
CDRT1	4.853124	4.803996	5.25596	4.686613	4.590354	4.649673	4.253349	4.777871	4.867261	4.587513	4.413746	4.548635
BGN	10.19545	10.84883	10.41777	9.705467	7.623029	6.070702	5.996016	7.07146	9.624985	6.938151	6.334028	6.387213
RUNX1T1	6.804845	6.129647	5.517371	5.279997	6.056353	5.730372	6.797111	6.017441	5.55902	6.483677	5.499964	6.423825
SERPINH1	11.56305	11.99716	12.07772	12.08215	10.71561	10.82427	9.938965	10.42998	11.88274	11.92345	11.29879	11.97455
PCGF6	7.08457	7.230667	8.043489	7.586383	7.64333	7.35535	7.862088	7.592122	7.837585	7.265109	7.768521	6.749321
USP9Y	7.424299	2.647065	2.9407625	6.9850225	7.5301115	2.808644	7.663593	7.7173955	6.9645325	8.9253465	5.550462	2.5790515
LIPF	3.695966	3.789448	3.80843	3.574291	3.781822	3.589308	3.589254	3.599359	3.870123	3.709479	3.772818	3.849809
RRN3	8.321989	8.216586	8.627986	8.990248	9.143321	10.22088	9.432608	9.117108	9.429932	9.079262	9.676754	9.301792
LYSMD4	5.887553	5.31421	6.131454	6.352372	7.18996	6.290866	6.270514	6.947664	6.424412	6.573255	6.495852	6.446633

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
QKI	7.3680105	7.805642	7.614399	7.6886815	8.9289705	8.800657	8.989863	8.8934275	9.2046805	8.693059	8.369555	7.960603
AOC3	3.447014	3.232834	3.401795	3.205991	3.189835	3.453302	3.644975	2.987043	3.743841	3.596991	4.404055	5.297692
DEFA6	5.906269	5.955297	5.89296	5.728184	5.741474	5.487537	5.43404	5.785942	5.611883	5.361366	5.622037	5.561477
PITX1	3.660503	4.268581	3.664659	3.915582	4.254526	5.224053	5.156651	4.208547	4.341379	4.891723	4.530735	3.755855
VPS41	6.844048	5.905849	6.098436	7.399327	8.209444	7.692773	8.000175	8.280383	8.634272	7.613555	7.237982	7.232947
GPLD1	3.0164935	3.2096935	3.063881	3.426729	3.0562365	3.110748	2.835582	3.1542115	3.283724	3.635382	3.2049815	3.497013
OAT	11.78381	11.60829	11.65786	11.6768	11.29805	11.1532	11.67032	11.32021	11.02342	10.85806	11.26805	11.33491
LSM6	8.595406	8.77473	8.629356	8.825508	8.660752	8.310623	9.300329	8.459867	8.543192	8.458783	8.870621	7.951254
PDPR	8.516026	8.339969	8.66951	7.215237	8.16601	8.116343	7.190583	8.081381	8.44738	7.734182	7.734348	8.61875
ATP13A4	3.6612505	3.8554925	3.6672915	3.692891	3.790661	3.687358	3.7444935	3.687012	3.808362	3.561626	3.466995	3.6611635
POU3F3	3.853012	3.716312	3.802492	4.055124	4.264218	4.180622	4.314508	4.336527	3.892698	4.158351	3.950562	4.542806
CPSF3	9.108762	8.441906	8.538914	9.136137	9.418682	9.137367	9.627901	9.427061	9.031816	9.303017	9.06481	9.467319
TMEM43	8.483877	8.46477	8.680701	7.3324775	7.505825	7.6412765	7.453944	7.4184385	6.8269985	7.758471	8.060078	7.866383
ERCC2	7.2072235	7.121836	7.079599	7.6310695	7.348248	7.2099545	7.021953	7.334672	6.778959	7.151945	6.845623	6.8861835
RPL31	8.666234	9.440081	8.933676	9.116892	8.889025	8.647296	9.111154	8.654383	7.607769	9.394943	8.165338	9.59368
ZNF619	6.042907	5.861952	5.873233	5.708785	5.98096	5.52859	5.797117	5.760635	6.070363	5.910379	5.688087	5.91085
IRAK1	7.916749	8.006181	7.9317185	8.1688335	8.7331655	9.15798	8.544446	8.5764965	8.348422	7.305983	8.712367	7.44786
LTC4S	4.476004	5.206004	4.689268	4.574872	4.572323	5.046586	4.536448	4.496387	4.657048	4.526948	4.598853	4.498355
TTC4	8.055282	7.57091	7.973457	8.234264	7.979297	8.307006	8.014545	7.916083	8.142472	7.93515	9.031126	7.955214
EIF4E	7.82282	7.093899	7.218764	8.303713	7.958847	8.740623	8.373058	7.752805	8.551018	8.085139	7.690836	8.314313
ERH	11.69903	11.43024	11.33664	11.71235	12.16727	12.20584	12.30414	12.10503	12.19552	12.24796	12.11241	12.15509
BTBD11	5.628076	5.3129945	4.5468395	4.5816815	3.816454	3.8701235	4.1014315	3.9551385	4.607619	3.1837725	5.3612565	5.223848
TRIM55	4.943808	3.8416855	3.8895565	3.9371785	2.9125665	2.8295705	2.8848775	3.012496	3.212318	2.8287095	2.8292325	2.7385815
CD5L	3.754596	3.54689	3.977069	3.659143	3.387793	3.396165	3.395739	3.490458	3.505846	3.505068	3.483146	3.329793
PPP1R16B	3.211782	3.437683	3.368913	3.402204	3.186404	5.218524	3.299281	3.294447	3.179475	3.080469	3.748066	3.409477
ZNF519	3.172711	3.327492	3.66506	3.436497	3.272855	3.111761	3.685757	3.315889	3.554306	4.116152	2.774625	3.9351
NPB	6.619501	7.167652	6.81254	6.8021	7.932005	7.239319	6.809557	7.895476	6.392929	7.127912	7.190317	6.853953
STK24	9.401775	9.581976	9.537989	9.278097	8.83957	8.173396	8.980997	8.624853	9.16302	8.49262	9.41847	7.936279
RB1CC1	8.986876	8.732373	8.8189995	8.797234	9.158995	9.6701345	8.977139	9.1299025	9.620077	9.008707	7.670816	9.0552325
DTX3	5.43312	6.41648	5.56142	5.343937	5.381462	5.124717	5.147447	5.182402	5.287891	4.893793	5.220239	4.802626

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
DLGAP2	3.613705	3.927707	3.595092	3.7133195	3.655441	3.5544815	3.521101	3.779514	3.6584025	3.5676345	3.585951	3.371192
ARPC4	7.581823	8.636206	8.649085	9.425907	10.10531	9.835138	9.644791	10.09118	9.343125	9.182628	10.21622	8.299036
CRY2	7.013298	7.221648	6.973717	6.74819	6.595599	6.314965	6.404739	6.702352	6.545605	7.257898	6.830038	7.218102
ALDH4A1	5.5364195	5.8025845	5.878329	6.115158	6.723007	7.376911	6.829867	6.709053	5.762892	6.219046	6.5060855	6.324617
RBM17	7.6472995	7.92439	7.9091045	7.607354	8.0664735	8.29239	8.301139	7.979762	8.3992605	8.286255	8.141763	7.9395095
SIX4	5.5960815	5.396184	5.5916505	5.104426	5.4267475	4.8851665	5.358653	5.42182	5.515472	5.461557	4.8752415	5.042464
WDSUB1	7.66711	6.827605	7.105669	7.129282	6.735836	7.347804	8.780136	6.622686	8.436321	8.416376	8.276096	8.295573
MARK1	3.429606	3.732121	3.56025	3.346149	3.624713	5.63181	3.964691	3.751565	4.286455	6.014516	6.943013	6.467603
FUT3	4.4064565	4.2088815	4.3536125	4.514794	4.3695185	4.406078	4.3403205	4.3531415	4.1357155	4.336428	4.1682395	3.946885
CEACAM1	4.242281	4.417169	4.349933	4.632036	4.547626	4.542371	4.772551	4.476173	4.941822	4.774477	4.544958	4.670586
PSG9	10.21595	9.642751	8.917181	9.224356	5.873076	5.820962	4.97479	6.171793	4.634066	4.54996	4.682955	4.51121
ABCB5	3.047318	3.131443	3.1349045	3.263851	3.375275	3.124066	3.1633265	3.3890705	4.246162	2.9884685	3.053413	3.0497375
NRIP1	9.793606	9.817309	9.796642	9.3043325	8.215234	8.70884	9.0374765	8.3340905	8.345742	9.34898	7.2930095	9.263346
CSTB	8.421936	8.514304	8.3675005	8.3268435	8.675086	9.3052215	8.8581565	8.6333375	9.8107165	8.452458	9.5880985	8.467703
SRMS	3.602515	3.614626	3.688736	3.337184	3.673552	3.520299	3.455218	3.59836	3.478518	3.300269	3.347749	3.205534
POLE3	9.161727	9.309859	9.060512	9.594311	10.28549	10.12853	10.64535	10.09631	9.650928	9.062153	9.641163	8.806855
TTPA	3.400136	3.683648	3.382035	3.666193	3.794312	3.849498	3.799205	3.825453	4.146804	3.96605	3.73749	3.913086
FBXO7	9.294168	9.288141	9.194551	9.225066	9.488332	9.149349	9.12874	9.422018	9.628737	9.04248	9.406975	8.906054
RPUSD1	7.208782	7.267568	7.058064	7.187861	7.574065	8.091539	7.752806	7.489825	7.209199	7.249162	7.302812	7.35269
ANGPTL3	3.205991	2.897463	2.960128	2.893795	2.875509	2.663038	2.931014	2.814983	2.899441	2.646565	2.866292	2.84593
RGS4	6.343941	7.756261	6.970375	9.402841	5.074335	8.040746	4.527124	5.215011	9.956319	4.00491	8.594013	4.356299
CCDC6	8.880868	8.9672545	8.760151	8.787118	9.2316065	9.4534895	9.8262275	9.128096	8.686583	9.20251	8.4503855	8.6677915
DNASE2B	2.826588	3.124211	2.954782	3.088014	3.060386	2.975574	2.88417	3.008604	2.833729	3.161328	2.99112	3.094375
NPPB	4.368502	4.555292	4.545945	4.256321	3.956067	4.172012	4.000765	4.145218	4.16567	3.895475	4.137359	3.596171
TMPRSS6	5.631809	5.606252	5.946904	5.552261	5.712807	5.53732	5.437398	5.758936	6.000849	5.4152	5.665357	5.818534
HIST1H2AB	4.935982	5.080788	4.704319	4.84028	5.554481	5.827589	5.687847	5.539933	5.248531	4.869786	5.145867	4.655177
PILRB	6.590145	6.785304	6.945957	6.266036	7.4749355	6.874365	7.703489	7.52186	6.8162815	8.320695	7.285701	8.471506
KIR2DS5	5.116144	5.483383	5.067622	5.200699	5.454205	5.257195	5.242539	5.385418	5.306038	5.311555	5.445778	4.735092
LRRCC1	4.43595	4.074375	3.807822	4.355762	5.368962	3.49499	3.987733	5.352497	4.850764	4.40722	3.670494	5.110913
RAB3GAP1	8.108667	7.9716805	7.892983	8.2149315	8.2571665	8.9109055	8.150293	8.182713	7.863083	7.7135935	8.402549	7.7618205

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
CNR2	5.624054	5.831209	5.51812	5.250361	5.208643	5.164456	4.966924	5.272017	5.265565	5.149241	5.514578	4.628035
PFDN5	11.445365	11.61389	11.6312	11.617545	11.39732	11.139525	11.03023	11.37518	10.74218	11.407565	11.53418	11.21054
YPEL2	4.776647	4.46417	4.361021	4.634066	5.378633	5.725658	4.852229	5.450415	4.762977	4.361678	5.500944	4.632198
NUP214	6.604217	7.218765	7.065716	6.839471	6.873959	6.729935	6.854568	6.981234	6.647299	6.45969	6.785114	6.561569
DPP4	8.776432	8.51303	8.661397	8.128505	7.127407	9.303992	7.310876	7.208467	8.924095	6.745667	7.607259	6.404264
SLC12A2	6.5326215	5.803238	6.5658835	7.237805	8.5091635	8.084523	8.970294	8.605243	7.302332	7.8052325	7.085451	8.46002
TATDN3	6.1941415	5.78609	6.0331285	6.379805	6.674257	7.007528	6.9180245	6.7753585	7.225932	6.7538675	7.8795795	6.945611
SKAP2	7.416633	7.6872825	7.1548515	7.5756015	6.9160905	7.189535	7.2870655	6.6463365	7.659387	7.8925885	6.7025435	7.078684
FCRL2	4.059217	4.436483	4.366389	4.196803	4.117759	4.453828	4.303013	4.262526	3.97505	4.041299	4.096986	4.048518
CDKN2A	5.597624	5.557322	4.987054	5.96789	7.686605	9.762105	5.957993	7.553814	10.59695	6.870017	9.096272	7.58228
PKIA	6.6325945	6.9831305	5.639083	6.8409625	4.805877	3.331109	3.642921	4.6896445	4.7759645	6.5765395	3.3526615	5.282352
HEYL	4.888339	5.251812	5.158208	5.212669	5.1155435	5.07778	5.184107	5.283707	5.004417	5.0222565	5.1696135	5.049447
CYP2C18	3.314051	3.357147	3.4487825	3.6312185	3.6810775	3.778576	3.6215415	3.60483	3.5453665	3.6377055	3.6119135	3.444893
BPHL	7.374417	7.493862	6.819386	6.986163	7.652895	7.831186	7.416148	7.567144	7.438873	7.50813	7.563181	7.676543
BCL10	5.378304	5.143044	5.025508	5.279878	4.837808	4.743931	4.999663	5.390553	6.496878	6.137841	5.919106	5.50745
TXN2	8.6217085	8.752321	8.3994615	8.9577075	9.9701595	9.917331	9.999268	10.008216	8.851828	9.2479895	9.603122	9.0189745
SVOP	3.614649	3.686095	3.365199	3.824387	3.778639	3.492159	3.676057	3.815158	3.677059	3.216732	3.657423	3.257856
BIVM	5.404201	5.441	4.515827	5.217168	5.33715	5.903947	5.687721	5.715041	5.413133	6.060493	6.171756	6.909165
SLC35D1	6.733578	6.64289	6.740424	7.120666	6.925417	7.086857	7.35717	6.824344	6.100657	7.271684	6.980394	6.904608
DNAJC15	8.312592	8.187593	7.952749	8.152356	7.802405	6.405098	7.522915	7.758492	8.027269	7.374581	7.300564	7.619628
TEX14	3.673732	3.654057	3.32894	3.722584	3.523959	4.398804	3.514195	3.86963	4.069106	3.005699	3.961943	3.626194
CLDN23	3.372054	3.127274	3.150046	2.758804	2.809155	3.227902	2.913004	2.723813	3.79835	3.132502	3.06016	2.785308
E4F1	6.696374	6.615165	6.507922	6.659748	6.70428	7.033794	6.811029	6.42485	6.490891	6.805949	6.78561	6.724531
TP53INP1	4.726511	5.474663	5.212933	5.280178	5.516936	6.143967	5.29752	5.366723	5.273301	4.728877	5.590289	4.759892
KCTD6	7.310805	7.2407825	6.794917	7.0011605	6.8152855	6.8292725	7.042965	6.6659245	7.3273865	7.131347	6.9553995	6.9961955
CAPN12	4.911081	5.235929	4.963235	4.677607	4.36639	4.324357	4.084075	4.358475	4.395501	4.260611	4.185687	4.081158
SLC25A27	4.190353	3.855932	4.311465	3.746384	4.471019	4.191984	3.265178	4.372463	5.194595	4.382198	4.772293	4.946405
MRPS27	6.170417	6.0615665	6.1526135	6.3303205	6.486521	6.56636	6.6525795	6.534227	6.2291755	6.3812025	6.467532	6.3595845
H2AFZ	12.08986	11.93066	11.693405	12.13253	12.426895	11.490755	12.83543	12.258335	12.151895	11.75931	11.438415	11.617585
SLC9A5	4.80186	4.92316	5.397243	4.850712	4.717569	4.862604	4.732443	4.817907	5.281126	4.592655	4.807729	4.62567

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
VDAC1	10.96461	11.01134	10.74116	11.06948	11.18074	11.44167	11.19329	11.29015	10.42838	10.23637	11.41667	9.980639
ABCF2	6.191864	6.156854	6.531919	6.465382	7.146464	7.977167	7.236662	6.9161	6.915861	6.617446	7.517922	6.960598
VNN2	4.232784	4.111466	3.755434	4.037446	3.721748	3.931594	4.073805	4.054066	4.007098	3.726466	4.006679	4.006758
CACNB1	5.334388	5.663383	5.286271	5.328293	5.335437	4.924223	5.072226	5.268307	5.384085	5.154927	5.468251	4.722148
SYTL4	5.464331	4.986413	5.461749	5.515096	6.500559	5.168472	5.98558	6.706404	6.070958	5.137397	5.54635	6.164485
MEFV	5.656033	5.817013	5.615939	5.655675	5.849555	6.086449	5.841466	6.108315	5.730351	5.962185	5.688888	5.64804
RPS6KA1	5.110126	4.831214	5.171549	5.005882	5.423709	5.932869	6.347934	5.41147	5.561697	5.279997	4.703595	4.659093
TCF20	6.09875	6.2766555	6.154185	6.327115	6.1892965	6.0678375	5.8961005	6.1300605	6.104894	5.9782925	6.167125	6.1141085
MAGEC2	4.143187	4.2322815	4.3553945	4.295336	4.4235105	4.4299195	4.3068565	4.396317	4.136719	4.173239	4.2887505	4.188344
AKAP12	8.71944	6.759331	7.379666	7.807949	9.730151	8.221958	9.39694	9.677363	7.235003	7.494282	6.918622	7.623827
PIGW	7.330915	6.615021	6.953454	7.817994	8.187563	8.240387	8.986009	8.040212	8.30193	7.430148	8.031799	7.547209
GRM3	3.707719	4.338467	4.042196	3.952816	3.950792	3.521185	8.338573	3.976378	3.518001	6.2835	3.647588	6.125238
SLC39A13	8.4949555	9.012659	8.477909	8.375337	7.791351	8.4353475	7.473212	7.643367	8.234065	7.3713355	7.796067	7.1449515
DDX11	6.8683	6.790518	6.500851	6.3543685	6.433741	6.306624	6.7660685	6.0094205	6.1056515	6.6617305	6.150045	6.8439735
TSC22D1	5.445565	5.731243	6.1690935	5.5070785	5.4047635	5.8705125	5.437929	5.450964	5.768475	6.231259	5.8494125	6.0699965
NEUROD4	4.231916	4.434353	3.997919	4.162113	4.447165	4.169273	3.925463	4.244313	4.361076	4.474404	4.411088	4.374797
EFHC1	7.810571	7.323429	7.808426	6.692684	7.710164	5.74391	6.642703	7.781751	7.192673	7.644688	6.415593	7.563128
PTPN2	5.1339665	4.801376	5.1072935	5.6946985	5.1487565	5.248065	5.871611	5.025144	5.551848	5.10768	4.9620535	5.1603995
ODF2L	5.6827665	5.5050955	5.3716365	5.388566	5.264769	5.374087	4.5300605	5.1840835	5.9530935	5.0937735	4.2541005	5.0573765
RARRES1	4.48487	4.633419	4.960227	4.823342	5.29738	4.309645	4.255704	5.410505	5.089769	3.297006	3.47347	3.847188
SNX7	10.54859	10.33368	10.58523	10.54206	10.19075	9.212661	10.4142	10.20017	9.779158	8.972967	8.901798	8.719479
LZIC	7.235938	7.0777985	7.254529	7.3835005	7.746244	7.704231	7.644627	7.743932	7.027604	6.9701515	7.6569735	6.7267095
CLRN3	2.974356	3.805286	3.165954	3.366363	3.473011	3.417981	3.056847	3.576852	3.950562	3.200439	3.500952	3.549287
MUC1	6.12548	5.894001	6.840058	5.873872	5.014509	4.988169	4.820135	5.209805	4.946703	4.198135	4.924874	4.799325
LARP4	6.166943	5.873713	6.342175	5.787633	8.030403	7.390884	7.824957	8.472238	6.217468	6.261393	6.347867	6.709582
CCDC3	6.213017	6.502309	6.639187	5.791224	8.200478	6.258573	6.544682	8.306072	7.463731	7.412922	6.560676	6.916211
PDHA1	9.252172	9.139158	8.93817	9.372732	9.758825	9.777803	10.21947	9.764515	8.802421	9.853821	9.441925	10.14374
A2ML1	3.461334	3.674896	3.5554405	3.748217	3.4810765	3.4722855	3.557622	3.379721	3.297001	3.376123	3.4665775	3.4455805
PTPN13	6.581382	5.981833	6.568506	6.339011	5.8580965	5.5601795	5.2221485	5.8351	5.607534	6.5395225	5.3480625	7.24053
CYP46A1	4.431017	5.040595	4.863286	4.803082	4.519449	4.597313	5.062198	5.056007	4.612833	5.363142	4.381973	4.83863

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
TRPC4AP	8.648407	8.521429	8.277791	8.252665	7.650452	8.173676	7.422292	7.63619	8.186991	7.377833	7.567233	7.326942
TOP1MT	5.1123525	5.206215	5.551953	5.4572705	5.7078585	5.7762735	6.041357	5.5840135	5.297419	5.9604135	5.879367	6.1302615
GFRA1	4.979427	5.931427	5.867478	6.690379	5.375949	6.496	4.49488	5.521753	5.215373	5.163569	5.916624	5.043687
PSG11	4.557579	4.703938	4.806728	5.103161	4.858435	4.724654	4.660584	4.848442	4.728755	4.497723	4.450448	4.506711
RTBDN	5.359503	5.273888	5.534826	5.41424	5.305948	5.305436	5.390292	5.602314	5.46545	5.289231	5.560833	5.034058
RPS6	13.337765	13.408685	13.19548	13.34396	13.51052	13.67175	13.59584	13.46444	13.349515	13.42483	13.58006	13.363345
SPEN	7.5914355	7.61482	7.7058165	6.3922885	7.2199235	7.5747995	7.711675	7.0641375	6.8198285	8.0639125	7.32019	8.037022
HUS1	6.491167	6.311367	6.360288	6.407469	6.498776	7.012096	6.465853	6.507222	6.849236	6.412214	6.372093	6.223909
TRIO	7.393756	6.744832	6.216768	6.69706	5.448024	6.329612	5.337392	5.384085	5.453946	6.765974	6.031418	6.348943
FAM20C	5.242354	5.671894	5.374347	5.441429	5.488475	5.096041	5.149015	5.092522	5.090172	4.505629	5.15998	4.2889
HTR5A	4.948369	5.183755	4.627629	4.547976	4.422716	4.678516	4.518548	4.672961	4.575602	4.675898	4.593086	4.537817
EIF5B	7.6400175	7.469604	7.277238	7.605229	8.403005	9.6228505	8.71782	8.44245	8.1451065	8.110874	6.4948875	8.5512175
PRELID2	7.008961	7.476344	7.354149	7.274447	6.223351	6.218347	6.367775	6.352072	6.685767	6.482469	6.371056	6.49022
ZNRD1	4.0029975	4.1522185	4.024576	3.9086385	3.9519495	3.7367315	3.7102055	3.846845	3.736251	3.844701	4.057083	3.658733
RNF170	7.579304	7.835632	7.978922	7.682275	6.999693	7.759736	7.000937	7.012461	7.659221	6.246367	7.719671	6.100232
IL17RB	4.597952	4.70902	4.212389	4.587491	4.854657	4.319758	4.759815	4.766679	4.846233	4.764668	4.099386	4.455857
SLC27A5	5.6754815	6.05769	5.852103	5.635924	6.3025945	6.485103	6.309427	6.212534	5.916082	5.9056215	6.233603	6.010234
WDR4	6.250931	6.149623	6.223	6.572443	7.465908	6.668895	8.585574	7.305477	6.520943	6.445642	6.971542	6.164044
CLK1	7.837935	7.510213	8.073828	7.703938	9.295169	7.915354	8.816849	9.120453	8.276511	9.392496	8.240549	9.367984
PLD3	8.885453	9.803223	8.791307	8.748743	8.131005	8.795696	7.3725	7.966826	9.454592	8.513315	7.890792	8.27029
ECHDC2	6.7026185	6.8556495	7.7445025	6.8085855	7.1780435	6.4321655	7.705137	7.0705885	7.1780885	8.5857965	6.9253805	8.842526
DDB1	10.45823	10.23816	10.39699	10.67769	10.39966	11.01245	10.38265	10.31672	9.551869	10.08413	10.02994	10.12246
PCBP3	5.12579	5.742596	4.933806	5.300467	5.433135	5.317475	5.076909	5.229845	5.685069	5.117194	5.08458	5.06895
GNL1	5.354472	5.242444	5.570449	5.376657	5.025044	5.029401	5.21475	4.960683	5.096932	4.841332	5.04455	4.754712
DISP1	5.872281	5.614937	5.38768	6.087842	6.341331	6.048961	6.006638	6.29727	7.326355	6.915877	7.087461	7.56986
LRP1	5.9838425	6.35498	5.8233645	5.5263055	5.362542	5.46866	4.92485	5.3192395	5.339999	5.1671	5.171473	4.88538
PNMA3	5.74889	5.9082215	5.828612	5.6039965	5.784741	5.907969	5.7471015	5.8637105	6.1586545	5.681252	5.9568645	5.7746295
RAD51	5.8095135	5.855185	5.800188	6.1183045	5.5710375	4.2144535	6.11527	5.4340425	4.909084	5.5390015	5.1281295	5.1747535
VN1R4	4.186425	4.220717	3.722301	4.194445	4.309755	4.152419	4.114353	4.123505	4.440052	3.996982	4.500909	4.275614
PSMC3IP	7.015983	6.380818	7.111493	7.534811	6.369623	5.049998	7.13633	6.067257	6.04744	6.726784	6.353519	6.699016

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
MTMR2	8.287738	7.988602	8.112673	8.105196	8.759311	8.062881	8.933325	8.869042	8.132466	7.232603	7.814367	7.560665
LILRB1	5.469451	5.925799	5.569678	5.532892	5.246233	5.469981	5.195784	5.30447	5.264519	4.818489	5.328429	4.968848
UBQLN2	9.540998	9.738658	9.445877	9.958641	9.286049	9.316777	9.572021	9.105009	9.850543	9.004076	9.408995	8.791469
PRAF2	9.510508	9.444529	9.142954	9.523786	7.065489	7.339118	6.686087	6.731832	7.179484	7.317174	7.124786	7.230101
LRRC3	5.068181	5.5976725	5.2818795	5.0795885	4.8540345	4.808836	4.4966535	4.8719285	5.1164	4.654981	5.195524	4.4599955
ELAVL3	3.732525	4.193765	4.232479	4.18944	3.923441	3.939104	3.700858	3.984618	4.035224	3.708108	4.313559	3.879546
CCNB1	9.309423	8.877086	8.5667775	9.283815	10.1316065	6.9723035	10.269119	9.787141	7.4682645	8.4533065	7.539106	8.2294065
IL4R	8.95856	8.465608	8.762273	7.853986	7.977306	7.485882	6.598603	8.01844	8.647634	7.158768	8.175745	7.599012
CTF1	7.062329	7.557034	6.871274	6.500817	4.475639	4.680481	4.580569	4.464581	5.734662	4.404641	4.461289	4.876472
ERAL1	7.790076	8.272916	7.594843	7.922242	7.29716	7.621862	7.684007	7.268211	7.329197	7.093684	7.245608	7.130768
MEF2C	5.432089	5.501024	6.220463	6.98408	9.3016	7.220367	9.18148	9.440144	6.171277	9.845288	7.899601	9.841301
HGD	3.4885545	3.551612	3.3786105	3.294642	4.6670835	8.0222775	3.597726	5.0312165	3.251353	3.3353375	5.825119	3.2044035
ZCCHC10	7.096344	6.676177	6.702792	6.771684	7.60053	7.791162	7.998448	7.367612	7.072479	6.783038	7.318438	7.190463
ST6GALNAC2	5.418097	5.494645	5.348768	5.276946	6.70273	5.480871	5.605999	6.509111	5.183669	5.032737	5.193784	5.107989
CTSL	11.67039	11.15464	11.10514	11.11952	10.32681	11.29222	9.708429	10.26649	10.59559	9.510635	11.82875	9.563363
AAMP	8.514018	8.726675	8.668486	9.037941	9.279715	10.49042	9.714277	9.240631	9.657804	9.19395	10.16177	9.295915
NFX1	7.260231	7.29572	7.076294	6.582116	6.856272	5.927083	6.943135	6.895825	5.880602	6.080369	6.318916	6.131683
POLR2J2	6.385651	6.209294	6.262142	5.971821	6.225092	6.007491	5.997971	6.295381	6.284853	6.269029	6.349304	6.519633
PTPRB	4.2451525	4.738652	5.0406805	4.971849	3.1919885	3.3940625	3.339576	3.4285055	4.1432435	3.3137065	3.8657685	4.096057
SYN3	4.393684	4.630307	4.572127	4.820818	4.930881	4.686934	4.573311	4.721815	4.487103	4.21243	4.701635	4.370179
SLMAP	5.810485	5.6212845	5.73252	6.1524735	6.0485625	6.8305045	6.1162955	6.006887	6.5488445	5.667012	5.875185	5.461398
PPP1R1A	4.0630725	4.442559	4.373943	4.3004515	4.1843155	4.10553	4.208191	4.1076475	4.061343	5.2706225	3.9899055	4.879951
SCP2	10.28887	10.26593	10.37493	10.796025	10.983465	10.990155	10.464025	11.04927	10.23075	9.8009395	9.980177	9.227573
KRTAP9-4	3.55259	3.81894	4.26489	3.867889	4.015956	4.097743	4.244104	4.185241	4.242794	4.073602	4.1492	3.800446
ZNF707	4.7700435	4.983274	4.7926665	4.9412795	4.720069	4.7847275	4.9183565	4.8184675	4.8889645	4.4468375	4.9951995	4.7003155
CST9L	3.255491	3.195206	3.322547	3.576307	3.322717	3.307092	3.456384	3.565094	3.316441	3.021351	3.094451	3.288438
GRIN1	5.481889	5.792524	5.542539	5.427029	5.379871	5.353848	5.286184	5.20901	5.41498	5.375431	5.514443	5.110913
DOCK2	3.4611615	3.5907985	3.7033145	3.7460765	3.542958	3.689663	3.842681	3.481716	3.858973	3.44532	4.186347	3.4827795
DGKD	6.894223	7.243796	7.262306	7.150643	7.594114	7.783585	7.941064	7.619967	7.635551	8.284007	7.60117	8.811348
CCDC18	4.825847	4.054993	4.090768	3.942575	5.060477	4.15132	4.652304	4.750592	4.186036	4.272398	3.48462	4.61785

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
ZMYM5	5.489302	5.107468	5.299924	5.273523	6.144283	6.238959	5.928762	6.141645	5.32335	5.95471	5.490773	6.112726
ONECUT1	4.176118	4.017076	4.444304	4.279656	4.402798	4.789754	4.196786	4.528771	4.354443	4.188598	4.528771	4.329877
MARS	9.584729	9.40945	9.691693	9.5685	9.309868	9.694938	9.835787	9.371035	10.62535	10.11745	10.81111	10.60882
CHRNA3	5.156669	5.18028	5.063631	5.247204	5.165431	5.174839	5.155157	5.125767	5.209633	5.046577	5.238214	4.923393
PAK1IP1	7.360756	7.236972	7.551682	7.958486	8.452931	8.764319	9.041167	8.390023	8.50998	8.378563	8.749099	8.358412
ACSS2	7.149181	7.171786	7.205399	7.198884	7.096247	6.847272	7.699282	6.867267	6.890043	7.147438	6.725917	7.128408
CD19	4.126432	4.075869	3.9782	4.135979	4.17771	3.683816	4.16769	4.139477	3.80906	3.781823	4.061679	3.331334
LSM10	7.858234	7.402496	7.891333	8.34272	9.248802	9.709414	9.565618	9.262234	8.540131	8.465107	9.873344	7.905246
CHN2	4.296284	4.6594405	4.2875445	4.425936	5.0749505	5.223236	6.1028435	5.1985035	4.704403	4.977665	4.6142275	4.773818
OR2B2	2.702429	2.60153	2.596679	2.873196	2.711888	2.855009	2.558456	2.898439	2.728577	2.823479	2.746179	2.796539
HOXC12	3.776859	4.47117	3.644894	4.013505	3.580784	3.852274	3.552326	3.788951	3.583234	3.705325	3.939639	3.507031
FOSB	5.760962	6.291405	5.606214	5.490876	4.807293	4.693782	4.944118	4.97633	7.085813	5.092181	5.196528	4.581485
RANBP9	8.273418	8.6791525	8.9608335	8.072696	7.7810885	8.2483945	7.7089985	7.6915425	7.871407	7.3968565	7.727925	7.0423695
SNAP23	8.09114	8.2761545	8.222859	7.608851	8.8696755	8.8914345	8.019157	8.896135	8.567992	6.6846735	8.562761	6.6896295
DDT	8.958268	8.856333	8.502857	9.157173	9.93774	9.32578	9.740322	9.899612	8.870829	9.177653	9.436469	9.074682
KLHDC1	2.489604	2.452923	2.764073	2.854143	2.793269	3.050402	2.766746	2.666856	2.772175	2.744738	2.706837	2.774762
RSU1	4.671287	4.578827	4.223715	4.406461	4.367121	4.151291	4.274724	4.334846	4.066236	4.72846	4.248976	5.072462
TMIGD2	6.433903	6.81164	6.37142	6.340589	6.481124	6.251865	6.558474	6.44036	6.069276	6.695161	6.235702	6.591776
HCN1	3.9266685	4.02736	3.9717	3.9077145	3.762658	3.9381915	3.873405	3.9134205	3.887989	3.853813	3.9152995	3.780696
FBXL14	4.179837	4.452057	4.178423	4.575717	4.038608	4.104127	3.914949	3.993723	4.27808	4.08752	4.172657	4.168818
NBL1	9.916059	10.72897	10.17134	9.757804	7.273078	9.207582	8.375158	7.122902	9.352097	8.488052	8.831571	8.841258
H2BFS	7.015847	6.278169	6.817505	8.118649	10.2769	10.8829	9.959276	10.54508	10.1453	8.363605	10.96345	8.604881
MICB	7.539019	7.475624	7.594767	8.653814	5.469889	7.275347	7.55007	5.492765	9.915604	5.686697	6.50885	5.254048
RPL34	12.74068	12.89492	12.77552	12.93402	13.08476	13.01173	13.08731	13.08951	12.8707	13.10993	13.19137	13.10527
KRT9	5.485426	6.143822	5.617423	5.853204	5.590215	6.467603	5.769429	5.894251	5.579514	5.335538	5.582506	5.283076
EVC2	4.8518685	4.979432	5.1630905	4.8853465	4.535787	4.159635	4.172078	4.6270515	5.233384	4.242384	4.754757	4.4731005
RICTOR	7.665859	7.3755905	7.3289895	7.0033585	6.7116735	7.1112265	6.3637505	6.7300095	7.3076185	7.0544115	6.0395905	7.115632
XPO7	6.5322245	6.5166465	6.495484	6.0413525	6.2565575	6.484296	6.576968	6.076613	5.7946475	6.265376	5.90427	6.208203
FLCN	5.278558	5.209716	5.3930765	5.272976	5.308565	5.0594915	5.1166275	5.262721	5.377653	5.7622625	5.6129255	6.183056
ECRG4	3.269119	3.248145	3.227066	3.514183	3.659102	3.485003	3.644609	3.711342	4.083102	3.994248	3.47774	4.627475

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
ZNF595	6.678933	4.077429	5.709386	3.727656	4.31827	4.026207	6.653812	4.109245	3.326359	7.361372	4.02185	4.111128
CNOT7	8.6604575	8.318381	8.304497	8.9467285	9.1560755	9.0827395	9.361025	9.087423	9.1568775	8.7031545	8.3800355	8.32768
CBLN3	6.693982	6.346848	6.71243	6.105649	5.686786	5.836139	5.436099	6.028601	6.485156	6.296222	6.429286	6.093032
POLR3G	4.283501	4.802619	4.377338	4.919673	7.460199	9.030795	8.007796	6.941807	4.899191	4.926096	5.553412	5.269409
WIPF1	6.843149	7.153469	7.554715	7.2525725	4.488734	5.360717	6.800658	4.351393	4.8051285	6.089788	5.3530175	6.100807
CARD6	8.912575	7.65456	8.001407	8.577842	8.678853	8.049141	4.533409	8.805606	5.937029	3.502393	7.092962	7.298705
ARID4B	5.3610195	5.4267255	5.0766095	5.2445905	6.030249	5.5999275	5.759115	5.942409	5.486547	5.9993275	5.226791	5.876757
PRDM14	5.106011	5.487958	4.868233	5.222916	5.263293	4.967665	5.150848	5.345927	4.571095	4.746565	5.056527	4.889723
PLEKHA8	5.0531755	4.9859745	5.2743105	5.389645	4.765997	4.6499675	5.519197	4.960249	5.0315675	5.055238	4.7720835	4.931575
F9	2.95501	2.861988	3.048741	2.762558	3.026701	2.794399	2.926544	2.865015	3.203221	3.043049	2.926544	3.343787
ATP6V0A2	5.365425	5.681576	5.37389	5.514738	5.602429	6.879648	5.781647	5.572777	6.224884	5.697407	5.44119	5.661123
SORL1	3.927834	4.211626	3.588429	3.891196	4.921506	4.758507	4.09433	5.004815	3.858738	4.034208	4.101045	4.315082
DEGS2	4.293869	4.38364	4.36639	4.176373	3.767807	3.88566	4.170227	3.969885	3.850362	4.138246	3.784121	3.930502
HOXD1	4.06778	4.424372	4.718321	4.4228185	4.1693705	4.1073845	4.0353475	4.324516	3.8427285	4.1234875	4.359332	4.3389435
TXLNB	2.817492	2.705183	2.73981	2.741051	2.607247	2.633936	2.55487	2.588132	3.339589	2.760683	2.701715	2.741767
SAMD12	2.712542	2.7598515	2.9756305	2.81006	2.7649575	2.7758935	2.8673495	2.6342475	3.6975845	2.965059	3.0068735	2.642646
EXOC8	5.647498	5.1729555	5.583258	5.3266485	5.8427425	5.7106305	5.815114	5.843161	5.727915	5.9013055	5.7737505	6.189918
COPS4	6.404022	6.108693	6.171946	6.4192655	6.383992	6.371045	6.41728	6.3747585	6.018405	5.9565935	6.265714	6.031153
ESAM	4.765611	5.015518	4.770788	5.007397	4.979105	4.872531	4.954362	5.041509	4.927197	4.38528	5.040824	4.739076
PARP2	8.726439	8.412922	8.081632	8.475813	8.750802	7.828473	9.524833	8.67285	9.258039	8.596505	8.29301	8.531103
KPNA4	8.008754	8.922687	8.38532	8.01044	7.832935	8.845896	8.115875	7.724434	7.590838	8.044806	7.661611	8.275589
TAAR1	2.254694	2.273882	2.343633	2.529605	2.481011	2.608107	2.691382	2.49483	2.541005	2.658412	2.803058	2.371489
VRK3	6.011045	6.0207855	5.853159	6.158889	6.2009285	6.6669065	5.6448295	6.2634685	6.1833505	5.310748	6.404288	5.1077725
SULT1C2	2.8514925	3.122468	3.0953105	3.060522	3.1164455	3.151402	3.121013	3.1484635	5.214159	3.1174865	3.1152475	3.391938
FOXR2	2.829495	2.772248	3.051637	2.621318	2.644803	2.636529	2.544478	2.65241	2.583725	2.670897	2.611929	2.544478
ESCO2	3.408028	3.5280845	3.42067	3.9987605	3.9018455	3.171977	4.1728105	3.6571725	3.167467	3.532734	3.3067715	3.4525085
NDUFB8	10.67171	10.31726	9.979042	10.7283	10.88928	10.622	10.92791	10.86441	10.35741	10.57202	10.59828	10.58932
BOLA2	4.309228	3.870928	4.327845	4.204847	4.7284705	5.229689	5.193699	5.0200895	5.0385115	4.96298	5.6595345	4.956057
CALD1	6.622639	6.570055	7.156014	6.191592	6.020355	5.437686	5.729385	5.898988	6.163116	7.423074	5.525515	7.019971
LCAT	5.548014	5.5141305	5.546609	5.1418665	5.1165315	5.692314	4.8778975	5.2623855	5.0365515	5.240599	5.534757	5.602869

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
ZNF184	6.530793	5.786283	5.859211	6.809537	6.617225	5.551673	6.576038	6.510828	7.307179	7.130998	5.858856	6.508094
FBXW2	5.227349	4.428211	5.713391	5.715805	5.869458	5.930744	5.947158	5.620588	5.989931	5.674725	4.754025	5.988442
CRTAC1	4.048501	4.3755545	4.257492	4.398822	4.216168	4.159054	4.31954	4.263575	4.005621	3.936355	4.446369	4.450581
OGG1	6.141127	6.161268	6.491776	6.253368	5.899106	5.029794	6.467603	5.774019	5.625072	5.614085	5.645728	5.742023
S100A8	3.1487145	3.180392	3.2304555	3.2370815	3.1581815	3.2990515	2.9835215	3.192788	2.9918315	3.238689	3.1898175	3.059454
MRPL35	7.517012	6.878734	6.9571	7.501609	7.391962	8.074466	8.012333	7.405007	7.254923	7.052567	7.615051	7.148524
PURG	3.515831	3.5408915	3.7094925	3.77717	3.95609	3.814571	3.855502	3.938286	4.385546	4.5755065	3.9106365	4.6229985
VSX1	3.739727	3.833413	3.803535	3.576326	3.7160415	3.689321	3.6670995	3.5681315	3.6892175	3.69043	3.7806255	3.604197
SETBP1	6.843452	6.498819	7.1718325	6.3867675	5.6169895	8.7136695	7.3845815	5.676092	7.019399	6.2066785	8.1562095	7.2535905
HLA-DRB4	4.238625	4.523568	4.341937	4.379606	4.108083	4.131354	4.065453	4.241137	3.950562	3.899267	4.537817	4.184065
CSTF3	8.152056	7.925961	7.675175	7.802162	8.681308	8.839467	8.734115	8.696256	7.38025	7.683578	8.042115	7.724159
PAFAH1B1	9.3432785	9.284868	9.369039	9.338138	8.423139	8.76872	8.4040275	8.3777275	8.6714735	8.3991035	8.5132715	8.276101
DPEP3	4.921863	5.110777	4.862058	5.14162	4.830445	4.880831	4.518558	4.687335	4.845776	4.501601	5.065361	4.882238
IL1RAPL1	3.59534	4.102671	4.1306295	4.065342	4.183237	4.191407	4.098337	4.263456	4.575668	5.1284935	4.4698585	4.2177705
NCKIPSD	5.2347765	5.3078155	5.4126405	5.270962	5.4776905	5.238167	5.3645995	5.527862	5.308243	5.120411	5.34939	5.1355875
GATM	3.7660485	3.613374	3.6743615	3.9092165	3.935907	4.1908675	3.795998	4.27259	3.6897965	3.6065705	3.9041435	4.229928
CALML4	4.37312	4.692156	4.528728	4.245046	4.276628	4.22363	4.930005	4.286424	4.237216	4.683583	4.491097	4.7778
ZNF230	3.279205	3.388951	3.80133	3.624091	3.572541	3.394494	2.998172	3.640993	4.634066	3.814493	3.785733	3.580331
RRAS2	10.79747	10.51264	10.68204	11.00343	9.16071	10.443	8.799339	9.313992	11.00391	7.729789	9.025496	7.446125
RNF13	8.8880135	8.4324285	8.726191	8.421911	8.9326755	9.7467075	8.970592	8.925472	9.626061	8.72424	8.7501185	8.9538395
KCNK10	3.863364	3.797083	4.045842	3.804432	4.152656	3.673652	3.728057	3.638661	3.841115	3.391946	3.693892	3.330154
ZNF266	8.779232	8.586214	8.759775	7.988081	8.366447	7.396633	7.506003	8.29035	8.062205	8.25778	7.896194	8.682363
SH2D2A	5.663538	5.889689	5.53636	5.783809	5.475913	5.787475	5.975439	5.684825	6.131119	5.751285	5.525809	5.872212
PCBD2	4.955559	4.243505	5.006676	5.093406	5.564834	5.990215	6.033421	5.528291	5.928038	6.293404	6.197808	6.152256
GJB4	5.348666	5.553915	5.578818	5.454456	5.436196	4.825461	5.36447	5.506835	5.079079	5.139104	5.209824	5.18277
PSMB4	10.34895	10.76973	10.7388	11.06009	11.79841	11.47689	11.62702	11.82346	11.48467	11.27724	11.54899	11.17594
ZC3HAV1	9.436038	8.351866	8.407801	9.071819	8.987626	9.135149	9.347959	9.110781	9.767407	10.16939	9.576144	9.960363
AGTRAP	8.131881	8.366439	8.569897	7.802016	7.489685	7.393678	7.969928	7.413532	8.368869	7.510036	8.593804	7.091685
WNT7A	5.307562	5.522683	5.072605	5.310869	5.03808	7.359928	5.474779	5.389084	5.340715	4.754082	8.953996	5.145812
THAP7	6.365823	6.478024	6.696446	6.301867	6.551221	6.565635	6.940139	6.594943	6.883659	6.307547	6.9623	6.549555

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
KCNK9	4.707953	4.7992595	4.8079435	4.8350105	4.8404255	4.634055	4.608028	5.0385895	4.58687	4.3984135	4.8191895	4.178224
SLTM	8.900532	8.096694	8.630493	8.878138	9.469019	9.803241	9.627533	9.381923	9.491831	9.684392	8.378515	9.701703
TBL2	7.0212335	7.2904935	7.359294	7.318537	6.953882	6.818301	6.9389925	6.753113	7.3507975	7.0444285	7.434619	6.8705605
ZBED3	4.8952865	5.6097985	6.0546345	4.8815825	7.9461725	6.6215585	6.9685405	7.801642	7.483243	7.800585	6.9593685	7.4874645
IGSF11	3.305982	3.089708	3.196659	3.48271	3.271838	3.560787	3.253653	3.273831	3.237472	3.315122	3.445328	2.929092
KLK2	4.4513375	4.744839	4.3679735	4.2340925	4.1913825	4.0985125	4.018419	4.1086705	4.1769305	4.112945	4.281855	4.144007
TPR	6.725657	6.652108	6.59403	6.036055	7.795705	7.299263	7.740302	7.80413	6.51379	6.445846	4.029688	6.888095
TSPAN2	4.913989	5.087457	4.159142	5.152073	3.271946	3.047533	3.068609	3.128629	3.994251	3.19406	3.147632	3.140347
PIGF	9.1556335	8.6901055	9.0006115	8.8204905	8.7508175	8.7622415	9.325419	8.7530695	7.867006	8.588294	9.0295915	8.880063
TSPAN9	5.3307315	5.688783	5.8079445	6.08512	6.4453545	6.703045	5.737989	6.330448	6.063768	6.4757785	7.2614415	6.3133725
OR1I1	6.287745	6.450927	6.462042	6.618056	6.471725	6.162664	6.453211	6.574557	6.120588	5.737242	6.087012	5.996987
SIGLEC6	4.87822	4.584352	5.254276	5.243702	5.159137	5.051272	5.071514	5.140015	4.977153	5.127451	4.803907	4.793286
TUBB	12.79046	12.79764	12.55984	12.63341	12.82763	11.83438	12.83803	12.7661	12.60799	12.60982	12.01124	12.44251
CTH	5.2572185	5.2164795	5.6543935	5.7417855	6.084591	8.264791	7.840381	6.0514565	9.366658	7.1664475	7.441014	8.1818645
ARF6	8.926361	9.511534	9.241109	9.511747	9.631452	10.10181	9.917803	9.56774	9.715526	8.972267	10.21604	9.155386
PRKD3	7.312873	7.63215	8.177417	7.901504	7.067272	6.638688	6.697896	7.040743	7.099255	6.704639	6.368035	6.581297
DDR2	9.835598	9.768516	9.400726	9.421364	8.202685	7.78235	7.652581	7.887764	8.397395	8.649742	8.521911	8.222304
LFNG	5.515775	5.850271	5.823649	5.800439	5.43163	4.963228	5.083465	5.1698875	5.573022	4.982037	5.321871	4.646379
ASB7	6.5553615	6.121196	6.4109805	6.513939	6.754218	6.7394665	6.652981	6.8820675	7.1560465	6.2206485	7.034922	6.458301
PHGDH	9.427334	9.537278	9.940106	9.845459	7.832755	7.2998	8.694871	7.547535	10.40264	9.955129	10.14265	10.06743
KRT8	5.110228	5.634474	5.70388	6.181306	5.373816	6.303778	5.935629	5.375381	6.161869	5.260742	5.545719	5.850611
LRRC61	4.803755	5.499204	4.97479	5.213988	4.755881	4.45549	4.558755	4.596045	4.962818	4.693742	4.706113	4.876859
SLC33A1	7.450583	7.2311675	7.9956355	7.3219965	7.783289	8.7811345	8.0922045	7.861201	8.0913675	7.386465	7.658285	7.302925
PAX6	3.922086	4.0608855	3.8246715	4.6892625	3.5689575	3.748668	3.624558	3.561312	3.897147	3.8351815	3.794021	3.5637525
IGFL2	3.201804	4.199297	3.53536	3.873289	7.726208	7.346946	4.691142	8.158474	3.833859	3.703934	5.44337	4.085759
FBLIM1	7.243635	7.428283	7.2830775	7.108008	5.736765	5.680485	5.449251	5.8067875	6.510384	5.364258	5.4183505	5.251951
MCEMP1	5.179504	5.121987	5.261481	5.275285	5.359048	5.159677	5.30234	5.233943	5.143372	5.437381	5.269669	5.408086
MLC1	4.325507	4.529162	4.435612	4.657979	4.579097	4.764668	4.532696	4.317533	4.652341	3.762276	4.711229	4.435612
MAML2	8.458819	7.8527575	8.2579975	8.2368445	6.6062745	5.3021565	5.4686365	6.4492375	7.8468155	5.172636	5.6983075	4.9344305
PCDH7	5.191936	6.195937	4.915683	5.725594	7.422803	7.577609	7.119077	7.507765	4.814936	7.137513	6.060659	7.690891

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
DDX47	10.55814	10.61693	10.74149	10.61862	10.34173	10.71476	10.78203	10.36194	10.62543	10.30351	10.58132	9.950184
GLYCTK	5.517606	5.685772	5.553469	5.8745025	5.801717	5.9702235	6.0250065	6.0120765	5.9580355	5.6982355	5.9308385	5.7760495
GBP3	8.909376	9.625145	8.961186	9.612176	8.408324	6.75539	5.482455	8.470741	10.57987	6.682287	8.844715	6.824155
GFM1	7.789106	7.476967	7.1955335	7.6783205	8.7544465	9.2521955	9.073486	8.7240935	8.3003345	6.96368	8.293817	7.2025555
SLC45A1	5.17588	5.458776	5.523666	5.303528	5.0043	4.993037	4.998785	5.207201	5.226464	4.624828	5.13147	4.863198
TRIM45	5.2017035	5.262952	5.3264495	5.4445195	5.951791	5.00387	6.4477025	5.801671	6.2496725	6.755245	6.3005895	6.916846
SYT4	3.801394	3.718529	3.628929	3.815891	3.914231	3.503038	3.596791	3.732327	3.698019	6.169921	3.676057	3.533581
SLCO2A1	6.31568	5.674334	6.04704	5.968801	5.027902	5.63181	7.850042	5.004281	4.461882	7.401343	5.390483	7.473688
DYRK2	7.176591	6.9683055	7.30003	7.01795	7.4602275	7.899251	7.4585355	7.555652	7.4467255	7.829625	8.022832	7.781876
PC	5.494166	6.413274	6.455569	6.669888	6.520944	7.515252	6.964446	6.261579	5.313616	6.502072	6.692965	6.866986
ANKRD1	3.381743	3.374741	3.703927	3.442142	3.052829	3.534745	2.800792	3.520561	8.623123	3.154394	3.424538	2.834196
FANCE	6.663067	6.824338	6.974566	6.768689	7.180505	5.977872	7.978262	6.982123	6.834928	7.683235	7.377093	7.398221
DNMT3B	5.833883	5.932308	6.27377	5.851658	5.865216	6.064733	7.880553	5.946415	7.373418	6.01866	6.145927	6.32476
HLA-A	11.8715	12.294775	12.26188	11.9203	12.21391	11.937835	12.54786	12.12246	13.332245	13.09299	13.401615	13.21945
FGF20	3.389718	3.342035	3.775668	3.650013	3.324253	3.472128	3.435907	3.295786	3.541934	3.144289	3.281967	3.3301
GLYAT	3.366005	3.58786	3.703194	3.696927	3.51111	3.633675	3.512444	3.933476	3.659146	3.627848	3.536012	3.63755
KLRC3	2.869383	2.699365	3.065286	2.908756	2.991312	3.21957	3.426741	2.953734	3.950562	2.543991	2.856041	2.843037
CDC42SE2	5.284949	6.049153	5.883023	5.330327	7.215919	7.716533	7.470428	7.080474	7.388544	5.814612	6.813574	5.402824
TM9SF4	7.977679	8.581605	8.511978	8.154015	7.656616	8.19618	7.482613	7.519944	7.308748	7.781137	7.755166	7.90959
ZFP36L1	4.779913	4.963284	5.24238	4.81373	4.008635	4.25496	4.72654	4.243456	4.885824	4.508589	4.429505	5.099369
PTPRU	5.89794	7.06315	6.438796	6.464711	5.221667	5.23994	4.905083	4.835796	5.257534	5.160751	5.595053	4.919703
GARNL3	3.4565	3.703179	3.529128	3.6551255	3.684008	3.455501	3.537658	3.7091765	4.0973605	3.904503	3.7533705	3.582779
NCF4	3.385612	3.811062	3.58636	3.496988	3.598757	3.560597	3.315488	3.619661	3.649004	3.4861415	3.68324	3.2952615
BMP1	7.149621	7.492766	7.17633	7.206493	6.756034	7.317713	6.446028	6.50267	7.026983	5.74818	6.63295	5.734771
TBX15	7.506628	7.236948	7.846659	8.01507	8.219546	7.417215	8.535511	8.141438	8.544155	8.932353	7.41664	8.833681
DTL	8.5360675	8.409089	8.393675	8.6385135	8.1681965	4.217041	8.746314	7.597343	6.38682	7.6811785	6.505558	7.2750605
SLC2A10	9.208519	9.184155	9.935688	8.910468	8.74428	5.383722	4.81147	8.665	8.935854	8.120456	7.087461	8.520934
MYO18B	4.365617	4.97479	4.269134	4.156324	4.538056	4.074635	4.730077	4.70963	4.154051	3.828272	4.30456	3.791005
SPAST	6.491884	6.3796715	6.7071725	6.914847	6.9394055	7.6504765	7.3860285	6.78381	7.5299335	6.509441	6.3840305	6.2852295
PSMD8	10.74299	10.76187	10.67396	10.73932	10.75923	10.78474	10.86197	10.6768	10.85493	10.47306	10.93258	10.2845

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
JRK	5.885715	5.745305	5.708407	6.438051	6.354945	5.852913	6.194533	6.333685	6.098533	6.40035	6.324637	6.469052
SLC25A26	7.466448	7.604447	7.63989	7.908157	8.363096	8.211069	8.366692	8.359287	8.420389	7.788644	9.393094	7.723748
ZNF217	9.286861	9.039621	9.194646	9.679743	9.328052	9.262348	9.304286	9.401414	9.285651	9.313464	10.00586	8.929207
HEMGN	2.8695655	2.8136065	2.6525445	2.6231075	2.6388635	2.7586715	2.826975	2.643893	2.6770565	2.5415685	2.68985	2.7153465
CRHR2	4.3280475	4.3108235	4.5819435	4.4213715	4.7580665	4.372905	4.4470805	4.597862	4.492356	4.3351625	4.562493	4.4771915
CTTNBP2NL	8.169089	8.167274	8.556537	7.590696	6.61604	7.549039	6.467603	6.844318	7.689469	6.172582	6.793746	6.141
C8G	3.908738	3.996523	4.238093	3.873289	3.740922	4.248933	3.900519	3.754657	4.042511	3.291234	4.019	3.243662
NDUFB5	10.30667	10.18649	10.50953	10.52653	10.95145	10.48944	11.08507	10.98139	10.31535	10.82494	11.19342	10.72624
CCDC32	5.401808	5.487738	5.906592	5.251662	5.611278	5.358092	5.344656	5.574469	5.370424	5.475913	5.907063	5.398853
TMEM86A	5.030302	5.2601795	5.143313	5.1970025	5.6068225	5.5150175	5.4415095	5.621537	5.5005465	6.255261	5.697805	5.896878
MYEOV	4.946043	5.375168	5.095027	5.203449	5.249561	5.695379	5.154878	5.054978	5.010679	4.984627	5.504988	5.054781
ADD1	9.0975455	9.521726	9.1780225	8.959294	7.901281	7.7229395	7.8234145	7.776247	7.754918	7.707406	7.5627295	7.9191075
MCPH1	5.284982	5.406617	5.410785	5.718	5.606046	5.70906	6.227685	5.544197	5.871109	6.60495	5.886577	5.72876
MBD6	6.251577	6.083914	6.127444	5.852636	5.484375	5.542303	5.409271	5.434581	5.97386	5.492928	6.047827	5.517118
PHLDA1	8.9942305	8.383985	7.556206	9.052373	6.6437575	8.172534	6.419329	6.582477	9.438594	6.4550815	9.131166	6.6161505
TOMM40L	6.613767	6.228044	6.844554	7.535647	7.813543	7.467085	8.692653	7.689495	7.295581	7.707524	7.396685	7.484658
BNIP1	7.165742	6.859446	7.180411	7.25224	7.188255	7.175743	7.064274	7.146356	7.296836	6.818611	7.362537	6.842447
RPL26L1	10.38773	9.935026	9.850246	10.37221	10.80567	10.7274	10.8959	10.78518	10.36992	10.26058	10.7651	10.28344
POMZP3	4.858444	7.696007	6.793445	5.61144	7.577398	6.926329	7.041076	7.254789	7.37865	6.722624	6.841119	6.685253
AMZ1	5.727427	6.0736325	5.7813595	5.8982115	5.690079	5.6993065	5.6797555	5.8192645	6.08285	5.5664155	5.7616245	5.5202405
HS3ST1	4.518548	4.652886	4.389495	4.276841	4.688422	4.248933	5.540484	4.525667	3.968942	6.125144	4.782698	5.103913
CTBP2	10.146405	9.9931785	9.9449605	9.9050005	10.30308	10.53082	10.31083	10.2234	10.52354	10.212135	10.75849	10.0430345
ZNF649	5.217015	5.259316	5.745855	4.881852	6.014375	6.506471	6.223202	6.15297	5.88214	5.748284	6.385539	5.524777
ITGB8	3.520131	3.386029	3.7223	3.745432	4.001701	4.188372	3.590317	3.875464	3.834086	3.608734	3.496312	3.342644
ADCY4	6.529886	6.811688	6.487817	6.282558	6.668541	7.360425	5.66573	6.768105	5.910111	5.528284	8.1247	5.837101
CACNA1B	3.8105085	3.9723315	3.6714435	3.7881415	3.7073015	3.5901985	3.807542	3.798865	3.871092	3.6840105	3.847011	3.6004985
TNKS2	7.2508295	6.966479	6.7203505	6.685838	6.183542	7.213213	6.515411	6.282296	7.386294	6.1658865	6.7736475	6.122832
MNS1	6.275862	5.752114	6.078592	6.810147	6.520795	4.163239	5.064544	6.306406	6.753425	6.376677	4.171275	6.056948
SPA17	6.6399585	6.046105	5.7117745	6.681178	7.043412	6.4178645	6.7722975	7.0087855	5.880935	6.447406	7.024707	6.015568
NVL	7.085203	6.646121	6.806294	7.197395	7.638049	7.664818	7.699282	7.582933	7.469297	7.280543	7.615077	7.069217

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
SSBP2	5.253823	5.5049275	5.8546595	5.306521	4.7986015	4.568859	4.6737455	4.526866	4.0369805	4.995535	4.280481	4.7227795
KCND3	4.083251	4.256326	4.7603545	4.351331	4.4924685	4.546509	4.063473	4.5221125	3.750514	4.1727715	4.7385495	3.9684145
STC1	9.518818	8.961021	9.02094	8.10993	4.088805	4.241324	4.139855	4.494243	5.627202	4.353889	4.536388	3.849082
PLEK2	8.608654	8.267551	7.96226	8.365961	7.411673	8.219042	7.096233	7.721287	7.796463	6.50347	9.415482	6.891367
LCE2B	3.236698	3.312276	3.046801	3.505654	3.335716	3.120839	3.149003	3.493172	3.405784	3.213772	3.62599	3.065728
CDAN1	3.67276	4.097665	3.87472	4.030117	3.690428	3.653716	3.834455	3.608997	3.780477	3.682159	3.824562	3.797549
IFT172	6.999676	6.946695	7.177418	6.636921	6.770789	6.73809	6.914886	6.636868	7.176536	7.379745	6.932667	7.644804
NAPSB	3.7833985	3.7741055	3.841869	4.0359995	3.8223125	3.625344	3.6993925	3.7765525	3.793133	3.851379	3.7474235	3.5382015
SYF2	6.729473	6.492334	6.522584	6.6855175	6.801874	6.6899245	6.586448	6.940326	6.6099715	6.832832	7.106758	7.166085
SLC16A9	4.516521	4.24561	4.261009	4.50632	8.1413	9.157555	10.23305	8.043135	6.176563	9.285427	9.004084	9.639859
KDELR1	9.996022	10.690825	10.124186	10.34267	9.8920965	10.035586	9.5918535	9.7250975	9.5639655	9.5722415	9.6691405	9.63999
SEC24C	8.794548	8.736852	8.77873	8.946539	8.403226	8.810334	8.320707	8.565845	8.164973	8.9112	8.551846	8.919394
PPP3CA	9.886204	9.91634	9.96901	10.03944	9.679669	10.44386	9.841276	9.707616	9.94258	10.01085	9.659925	10.0328
STK35	5.5891395	5.65043	5.752744	5.7753745	5.3267725	5.4573215	5.526448	5.247279	5.4762	5.609887	5.7756525	5.506851
ZNF140	7.584455	7.779083	7.939868	7.651703	7.812165	7.566546	7.595267	7.942818	8.219234	8.103699	8.032581	7.73633
SSBP4	7.678613	8.009531	8.282361	7.741357	7.854974	7.687666	7.746455	7.696972	7.669039	7.731865	7.930713	7.912401
RAB8B	7.743585	8.706782	8.76503	8.955945	7.642373	7.423269	7.273473	7.471791	8.703661	6.803053	6.751543	5.924802
AGPAT3	7.0402915	6.891143	7.4297435	7.1487085	6.5341215	6.8726465	5.06634	6.465125	7.493341	7.5558195	6.6870415	7.3804945
SLC25A37	6.567018	5.8844715	6.1453615	5.9427725	6.7750585	7.164268	6.573237	6.5171585	7.5071	6.6260985	7.3565385	6.7855805
RAF1	7.635071	7.56955	7.965729	7.656189	7.5714105	7.902525	7.9694185	7.60516	7.4014485	8.283445	7.736191	8.158672
NKIRAS2	7.636993	7.6765165	7.7786125	7.841733	7.735732	7.7371825	7.477697	7.7823175	7.854814	8.007245	7.795817	8.2204815
DYRK3	5.782397	5.952916	6.0706185	5.9110875	5.596799	5.819853	5.3851655	5.6338915	5.737024	5.610174	5.96767	5.3995655
TTLL7	5.2440885	5.1498935	4.8862275	4.9947565	5.53222	6.6454585	6.192228	5.844871	5.71911	5.59267	4.406789	6.1090895
CGGBP1	9.585857	9.639625	9.551066	9.598709	9.238657	8.247927	8.691291	9.169271	9.522523	8.519846	7.992465	8.101695
LRP6	6.44764	5.740198	6.31288	6.282799	6.822307	7.000756	7.130878	6.589667	5.497722	5.885355	5.579545	6.363892
CPS1	6.601355	6.4731195	6.207184	6.542378	7.698334	7.004575	8.1102635	7.5324475	5.305805	8.5724925	6.230659	8.65327
SV2C	2.723529	2.842771	2.858785	2.873503	2.911359	2.8052585	2.9124345	2.8754215	2.90935	2.898138	2.9082855	2.6129595
SLC2A3	9.579193	10.06338	10.13068	9.340995	6.913885	5.643816	5.389898	6.81164	9.991688	8.445919	8.336546	7.092395
PTPRF	7.6130155	8.368003	7.878709	7.517529	7.679168	7.8600285	6.8944775	7.3460935	6.32168	7.974224	6.392103	7.4063115
CYFIP1	10.84697	10.67366	10.9481	11.09168	10.63929	11.51606	10.95413	10.70781	10.26765	10.78015	11.29955	11.18125

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
NUP85	9.389092	8.889212	8.936417	9.002888	9.052633	8.476878	9.377934	8.738401	8.753663	8.774929	8.935465	8.675089
SOCS7	7.031169	6.776955	7.288168	7.118158	6.977547	7.200029	6.835093	6.836084	6.722236	7.876081	7.347354	7.835523
NAPA	8.3711245	8.3158865	7.855017	8.311091	7.852182	8.130809	7.557537	7.502098	8.00003	6.815628	7.2205495	6.623009
LRRFIP1	8.817719	8.928116	8.564716	8.573224	6.735835	7.529639	7.197231	6.67853	7.107241	7.94452	6.487991	7.484604
COMT	6.698982	6.637873	6.927104	6.776005	5.917105	5.732421	5.426723	6.096272	6.616371	5.9622	6.24716	5.91571
CNTF	3.910065	4.343874	3.871784	4.115346	4.124158	4.419724	4.541414	4.609341	4.506835	4.105168	4.34027	3.57702
SLAMF7	4.333257	4.139479	4.318064	3.873289	3.847417	5.203054	3.941463	3.963306	6.210909	4.083708	5.843396	3.981615
LANCL1	8.8917255	8.967611	8.8101445	8.539936	9.4717815	7.939085	9.8241945	9.4604105	8.7459005	9.097333	8.4544785	8.8568025
MAP4K4	8.968111	8.859668	8.682831	8.860475	8.069208	8.097764	8.289892	8.033206	8.495541	8.443289	7.95897	8.389438
PRKAG1	9.430994	9.539776	9.72368	9.41456	9.51972	9.444577	9.518732	9.380281	9.253414	9.175916	9.340094	8.919991
GPR158	4.082036	4.199298	4.186849	4.462188	4.483507	4.570461	4.227557	4.414576	4.495244	4.261091	4.415755	3.932989
NTSR1	5.340823	5.318408	5.72368	5.524256	5.332067	5.634442	5.595356	5.106079	5.341308	4.816513	6.545712	5.055262
NFIL3	9.242891	9.696747	9.771279	8.755726	7.261428	7.047818	7.591833	7.086796	10.02502	7.996349	8.882763	7.609421
CDK8	7.582454	7.580785	7.784262	8.013591	7.919856	8.344295	8.009547	7.938599	7.446012	7.483204	7.976244	7.579802
LGR4	5.385129	6.144881	5.318414	5.152503	6.011842	5.227473	4.983418	5.528088	4.372832	4.44032	4.880479	4.166819
GALNT5	6.121026	6.255646	6.025364	6.045394	4.477964	6.071769	4.919932	4.587656	5.10919	3.766335	4.194119	4.580817
SLITRK3	3.289508	3.531337	3.683802	3.509294	3.496609	3.84782	3.574537	3.686045	3.495903	3.444054	3.691791	3.359376
ANXA3	3.696969	3.426827	4.058417	4.374558	9.355675	11.55397	8.743112	9.865159	9.582457	7.73897	10.63926	11.26376
PRSS33	4.856255	5.2570235	4.8478025	4.8769765	4.78829	4.455296	4.571987	4.7198195	4.7545335	4.5828455	4.6341375	4.416827
KCNH3	5.422952	6.146744	5.734625	5.731278	5.686594	5.391497	5.263309	5.557914	5.637603	5.173939	5.685947	4.949749
SYNPO	6.620597	6.14867	6.071071	6.439227	5.610898	5.46168	5.450717	5.631809	6.080369	5.374269	5.761679	5.723514
PARP1	9.193254	9.057625	8.869772	9.182043	9.913225	9.250891	10.5589	9.495779	8.957361	9.955044	8.898876	9.821653
CSH2	4.487435	4.70902	4.118506	4.498706	4.242123	4.488213	4.411528	4.203408	4.433436	3.948588	4.620265	3.873289
MYH1	2.863414	2.964601	3.607859	3.026994	2.614624	2.723215	2.736451	2.805375	2.811764	2.756554	2.925789	2.780147
ABCA13	2.300525	2.149706	2.146577	2.251787	2.170372	2.30849	2.180285	2.21081	2.349054	2.146712	2.520457	2.47385
TLE6	4.517592	5.127188	4.219157	4.498682	4.35701	4.692682	4.70167	4.732886	4.601751	4.001551	4.849975	4.28904
DENND3	4.803116	4.8084165	4.8075535	5.0021075	5.316204	5.3585935	5.5335125	5.354494	4.9604515	5.7202275	5.7590305	5.940764
ATXN2L	5.563196	6.2485195	5.2455935	4.9840785	4.7059575	4.9707435	4.931061	4.4274265	5.2119215	4.732051	4.5352735	5.1716575
CNGA1	4.45398	4.441648	4.006621	4.218349	4.107903	4.095912	4.114354	4.222434	4.493327	4.160688	4.109044	3.901752
MTRF1L	6.022352	5.9797175	5.976929	5.945715	6.1507405	6.29456	6.132949	6.224901	5.936511	6.254452	6.040022	6.5506025

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
ZWINT	9.893698	9.33056	9.060314	9.565095	9.829064	6.520478	10.5485	9.638593	7.782796	9.929182	8.206234	9.589073
CREB3L3	3.07248	3.407721	2.980702	2.947173	3.14785	3.497149	2.983054	3.114725	3.157969	3.376803	3.038741	3.132415
LSR	6.508953	6.29159	5.754883	6.565278	7.032465	7.597064	7.010293	6.798252	6.171735	6.401073	5.980591	5.785688
ADCY6	6.300855	6.1649025	6.1086005	5.8004115	5.717775	6.11328	5.6737985	5.725068	6.059825	6.0423225	5.817609	6.1569245
VCP	9.8299045	9.4776505	9.5654	10.0144225	10.487123	10.519551	10.4738575	10.4856715	9.5771075	9.774074	10.1406775	9.772854
PSMB10	7.494568	7.256289	7.624148	7.956526	8.533279	8.596762	8.743001	8.514545	9.942446	7.662372	8.895462	7.738606
CPNE9	4.691142	4.821131	4.738161	5.100483	4.798874	4.677041	4.737448	4.679586	4.459261	4.165726	4.871393	4.499588
GOT1L1	3.172903	3.15811	3.0568105	3.2055945	3.315999	3.1584515	3.254608	3.196653	3.2167935	2.902355	3.3843915	2.9747885
RBM34	3.199379	2.891961	3.029316	3.242219	3.112445	2.958965	3.205991	3.119593	3.157881	3.479439	3.470864	3.191783
CDX4	4.348165	4.685723	4.183684	4.154657	4.043912	4.615762	4.190307	4.146529	4.319818	3.919489	4.618321	4.146085
NFIC	7.6396825	8.39356	7.6681955	7.4774565	7.853213	7.557434	7.5311615	7.5377145	6.747258	7.2238935	7.8224275	7.225522
PRKACB	8.01523	7.796085	7.965929	7.680652	7.669524	7.5704	7.598507	7.585796	7.491625	6.705054	6.279299	6.629817
TMPRSS13	5.214595	5.1882835	5.046551	5.2651855	5.1057305	5.0237985	5.1829715	5.22157	4.8938105	4.8704975	4.948559	4.8068965
MAP2K5	4.73428	5.1113695	5.0236435	4.772195	5.0335195	4.578453	4.4830585	4.856513	4.9194095	5.4766195	4.722333	6.039412
OSBPL1A	7.900253	8.827071	8.880382	8.041636	8.593272	8.476477	7.731882	8.41517	8.551208	9.26072	8.179893	9.468617
RGS7	3.105245	2.725451	3.094032	3.44636	2.95828	3.048718	2.713545	2.913352	4.000751	2.793675	2.770472	2.792553
ANKS4B	4.088729	3.835004	4.584254	3.726045	3.819889	3.428195	3.608081	3.374128	3.780034	3.68966	3.807162	3.740788
GK	5.620237	5.37354	6.033918	5.516971	5.174953	5.106399	9.383051	5.179726	5.5403825	6.9754985	5.5431805	7.739223
SNCB	5.242359	5.684724	5.224289	5.328087	5.242359	5.225478	5.374341	5.34615	5.271901	5.433333	5.51036	5.191421
CDK5RAP1	7.829722	7.442251	7.627056	7.633599	8.134893	8.774497	8.698756	8.18915	8.10652	7.819841	8.633925	7.857475
PIF1	4.585979	4.552157	4.579996	4.545067	4.3883615	4.154947	4.989944	4.3431005	4.184064	4.2416145	3.8969735	4.0916045
MT1H	11.85079	11.7983	11.44114	10.78915	10.97947	9.715211	9.65589	10.78463	12.38479	9.503393	10.45577	8.8162
ZIC4	3.2924835	3.565923	3.5658925	3.2492465	3.329364	3.108567	3.1378395	3.2539925	3.479321	3.1521535	3.2222255	2.9556845
EYA3	4.493254	4.5692595	4.3666465	4.527254	4.237861	4.160067	4.5128195	4.178982	4.0584345	4.301126	4.3297995	4.227722
NPAS3	3.382685	3.414386	3.052376	3.035359	3.027792	3.108555	2.941217	3.205991	3.162018	3.122798	2.902119	4.198086
ZIC3	3.361244	3.406795	3.499886	3.600066	3.256802	2.999274	3.205814	3.381576	3.385334	2.992881	3.169635	3.224579
ARHGEF3	5.200181	4.306318	4.355825	5.114642	7.992249	7.514282	8.80645	7.94859	6.480943	8.795741	7.108385	9.428473
RS1	3.664131	4.235171	4.093233	3.9346835	3.627526	3.798177	3.596963	3.7401765	3.588386	3.5853895	3.744322	3.2600435
COX15	7.0961065	6.4423405	6.288459	6.9378465	8.3751305	8.0514835	8.123378	8.365338	7.1542435	7.528469	8.038537	7.716459
AKNA	5.146819	5.417977	5.1900485	5.3412685	4.9434395	4.8465025	5.125062	4.850739	5.7253275	5.2822925	5.392609	5.6459115

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
SLC9A7	7.4098885	7.332725	7.0809105	7.5995605	3.3845665	3.9527705	3.119237	3.555341	6.1818575	4.4250945	3.2078235	3.6101905
CCNB1IP1	9.45508	9.633087	9.4411	8.932421	9.73924	9.476441	10.09921	9.598145	9.876728	10.23362	10.26276	10.64229
VGLL2	4.577502	4.630833	4.298574	4.684831	4.641918	4.43412	4.375684	4.722143	4.623885	4.757998	4.642442	4.611887
HOXA1	6.014946	4.925156	5.498056	5.919592	4.357131	5.307956	5.138875	4.528982	3.515655	5.746334	5.983809	5.497306
SYNE1	5.378768	5.626127	5.477428	5.494372	4.801514	5.848715	5.144262	5.229426	4.61465	4.740149	4.876924	5.174839
CLDN14	3.911869	4.533405	3.841261	3.822885	3.802198	3.907204	3.810188	3.794308	4.165279	3.894935	3.990448	3.640833
PITPNC1	6.308153	5.537911	5.951422	5.973591	5.432332	5.480872	5.427102	5.029783	4.620265	5.523748	5.336691	5.472237
EVX1	4.4314395	4.9572945	4.6548	4.298231	4.7269325	4.8436075	4.551408	4.580606	4.645304	4.4912425	4.64799	4.3573765
ZNF121	8.797132	8.544319	8.970589	8.827601	9.888475	10.52339	10.20648	9.767194	9.470057	10.2318	9.944587	10.41368
ADCY9	6.326219	6.135891	5.893014	5.501872	5.171493	5.069058	5.102713	5.338916	5.297084	5.544353	5.447362	5.759339
TUBD1	5.51136	4.592451	5.072605	5.674801	6.851192	6.20334	6.495567	6.684049	5.905273	5.321386	5.342841	4.595645
ACVR2B	5.109986	4.887402	5.149813	4.609347	4.695081	4.265541	5.393356	4.503347	5.33515	6.16055	5.163374	5.911681
TAS2R1	4.805287	4.864218	4.874059	4.72489	5.086638	4.953283	5.220308	5.390845	4.749716	4.41025	5.018239	4.738053
FLJ34503	3.083767	3.17701	3.28895	3.19157	3.186395	3.021863	3.065463	3.144903	3.137481	3.386419	3.228689	3.028262
ABLIM3	6.919669	7.013143	6.947327	7.546376	5.353379	5.207316	6.363552	5.479985	7.107243	4.624828	7.558442	4.763691
LGR6	4.569243	5.153487	4.654886	4.735856	4.898044	4.644493	4.43132	4.611567	4.629893	4.531585	4.553925	4.24225
KCNJ15	5.865701	6.044681	5.674312	5.736903	4.077744	5.066945	3.574641	3.84792	3.894089	4.05939	5.516063	3.579484
GNPDA1	8.334982	8.51219	8.396519	8.485828	9.765646	10.26389	9.47731	9.769618	10.23382	9.970165	9.579433	9.95876
POLD4	8.571783	9.236091	8.708215	8.306707	8.273516	8.39747	7.264359	8.440231	7.951958	6.776759	8.991746	6.880206
PABPC4	10.44631	10.6285	10.8927	11.12899	11.17835	11.18678	11.12907	11.28302	10.56934	10.85196	11.27637	10.99587
ZIK1	5.671067	6.0588885	5.742389	5.8464005	5.733484	5.014066	6.246353	5.5669225	6.353354	5.7789675	5.81934	5.450091
LAMA4	8.200081	8.20114	7.806416	7.145506	7.077786	8.025129	6.367931	6.99152	4.070962	6.85881	6.959885	7.360074
CSAD	5.449589	5.618148	5.592506	5.353911	5.603276	5.417487	5.440026	5.495136	5.528877	6.01526	5.900105	6.530633
GLRX2	8.659985	8.405414	8.764306	9.315451	9.902925	9.703364	9.7202	9.768377	9.394259	8.698482	10.0849	9.170153
SP5	3.305235	3.436872	3.460885	3.722025	3.689741	3.519518	3.401145	3.524905	3.519773	2.968771	3.662702	3.213839
TNFRSF19	5.210745	5.039649	5.597846	5.020458	3.794849	4.818151	4.62876	3.924038	5.00964	4.500046	5.098299	3.451422
PYY	4.0966805	4.247107	4.085397	3.862587	3.938709	3.870101	3.8670075	3.9626715	4.0175825	3.819498	4.079236	3.5892885
PALM	6.702747	6.631149	6.9571	5.608743	6.582453	7.297699	5.634946	6.549783	7.250041	7.591222	6.701151	7.513524
GRHL3	3.873409	3.484621	4.011228	3.84237	3.854021	4.152291	3.60196	3.750165	3.726491	3.622403	3.658367	3.565094
LRRC40	8.335461	8.0312065	8.0694715	8.026245	8.424164	7.743251	8.588065	8.2503455	7.836583	8.3841315	7.451907	8.576162

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
LRRC28	4.356045	4.2218595	4.1315865	4.23096	5.064503	6.009369	4.9704235	4.9626175	4.732951	4.293389	4.953025	4.0779065
TDRD7	7.542837	7.33389	7.941072	7.497118	7.219167	5.707287	7.489178	7.071461	8.727438	8.067255	7.883399	6.18539
CD1A	4.801581	5.056074	4.954616	4.713264	5.103062	4.564552	5.001732	5.274381	4.902418	4.931553	4.934173	5.054781
PRDM16	3.65439	3.9448165	3.958636	4.190886	3.749723	3.7606845	3.6627665	3.6978145	4.3731305	3.5799115	3.909236	3.45801
ERRFI1	10.7887	10.61068	10.80039	9.71355	7.526434	9.224806	8.197303	7.647953	9.161299	6.903388	9.550004	7.259759
AGPAT1	8.7269115	9.3276685	9.263107	9.288474	8.648963	7.967114	8.6757255	8.5287895	8.085885	9.213937	7.991818	9.128341
PCDHA10	5.402771	5.31924	5.267642	5.060203	5.441116	5.443151	5.106524	5.344601	5.252106	5.025757	5.217705	5.395239
GPR4	6.112844	6.0245565	5.8062555	5.877566	4.880201	4.7663305	4.9558725	5.1027515	4.8955565	4.580182	4.92083	4.8788815
KRT5	5.484946	5.334388	5.407802	5.682858	5.479057	5.854815	5.655043	5.779345	5.458041	5.271773	5.424985	4.939875
ERBB3	3.657481	3.85818	3.955296	4.233351	4.058416	4.804453	5.895569	3.978318	3.781822	5.04477	3.957306	5.248377
CLEC3A	3.963571	4.328497	4.013278	4.057965	4.096231	3.413289	3.896147	3.950675	3.724846	3.780136	4.032898	3.630919
ADAM28	3.282751	3.382179	3.6582335	3.4823465	3.256501	3.2480195	3.2083785	3.3880305	3.2208785	2.976507	3.3016765	2.8375405
MPDZ	8.6502835	8.6243555	8.248753	8.314316	7.721137	6.9703305	8.5622975	7.6412935	8.6735065	8.0362475	6.888021	7.7070945
S100A7	3.269119	3.481046	3.3271	3.335424	3.323413	3.181969	3.222908	3.144692	3.413553	3.222867	3.28616	3.018827
CEBPD	7.311091	7.891033	8.9020055	7.285792	6.884921	5.6417295	5.8861765	6.4817475	7.6336065	7.7809285	7.8852415	7.2406005
AGTPBP1	6.1172585	5.823969	6.2266405	6.2268585	6.123912	6.715393	6.34105	6.1005195	7.2366185	6.754376	6.2503135	7.05122
INPP5B	6.178214	6.224235	5.881427	5.929039	6.227084	5.718187	6.296878	6.183477	6.419696	6.53909	6.573278	6.140687
OSR2	7.706008	6.760639	8.084225	8.128611	3.458749	3.596833	3.140275	3.372684	3.429617	4.157243	3.774994	3.561511
ZNF114	3.1465705	3.461828	3.351486	3.278416	3.581745	3.231118	3.090164	3.362769	4.0031665	3.3520885	3.5449845	3.4513925
NEURL2	5.046225	5.666172	5.725658	5.543647	5.619977	6.206541	5.315711	5.725658	5.850189	4.777828	6.512278	5.219306
CHGA	3.661105	4.281866	3.494356	3.637524	3.45397	3.86986	3.780308	3.589751	3.711465	3.583662	3.676058	3.684828
PRKG2	8.72959	7.169945	7.247169	6.989024	4.186386	4.04762	3.907195	4.294264	4.951152	3.939985	4.46247	3.827173
MAGEA10	4.595486	4.728822	4.768497	4.566196	4.280741	4.430305	4.129689	4.367935	4.064895	3.993208	4.40976	3.990477
CD36	3.125453	3.033068	3.066616	6.952255	3.684163	8.241188	3.292753	4.026383	5.58354	3.217945	3.146137	3.166581
CHEK1	7.690688	7.3648075	7.334491	7.4752545	6.9379475	5.8338095	7.8223345	6.737125	6.922167	5.9437575	6.0980725	5.7089495
DYNC2LI1	6.326251	6.336011	6.4831985	6.256771	6.9096215	6.5478305	6.4217005	6.7963525	6.810053	6.741721	6.63376	6.2410465
LUZP1	6.8834695	6.619178	7.506085	6.7456305	6.899615	7.315765	7.5270775	6.8411255	7.6155715	7.7503815	7.5813175	8.115885
EXOSC8	9.162391	8.90834	8.848108	9.18814	8.882273	7.432448	9.615888	8.628515	8.736768	9.040261	9.566745	9.357348
BAIAP2L1	5.893324	6.50665	6.304036	5.564436	4.388548	4.285944	5.612438	4.017	7.060808	5.979359	4.773882	3.914766
RPS11	8.695954	8.001407	7.031922	7.733172	7.795314	7.462523	8.13526	8.517341	7.973456	8.121779	8.855832	9.216322

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
OSBPL2	7.214479	6.9676075	7.5276145	7.20144	7.164862	7.500439	6.6294935	7.0834295	7.1787805	7.0988255	7.4191635	6.959858
ZFAND2B	7.316978	7.211093	7.011434	7.352741	7.259667	7.078181	7.009901	7.152248	6.975099	6.865713	7.256998	6.500321
NUP43	6.9301195	6.9378185	6.5903345	6.681507	8.505298	8.1085825	8.448905	8.398201	8.232741	7.166177	7.894534	6.9686175
OSGEPL1	6.8639475	7.080675	6.609178	7.333702	8.128524	7.1547855	8.426703	7.9798255	8.313314	7.760822	7.5910325	7.405728
ATP4A	4.071869	4.642831	4.34462	4.222281	4.131335	4.248932	4.084141	4.144483	3.964036	3.711863	4.118951	3.927599
BNIP2	9.202058	8.6544345	8.907563	9.2967305	9.4994705	9.3338355	9.6218685	9.4760695	9.550118	8.8689745	8.826315	8.835573
RTP4	4.133054	4.60131	4.172529	4.533283	4.490281	3.360687	4.071735	4.60992	6.463326	3.973636	8.303908	3.967225
PPL	6.273838	6.452152	8.332385	5.381073	6.261728	7.405509	8.925384	6.275791	6.857309	9.925344	7.995787	9.27097
SCN8A	4.95463	5.281609	5.273619	4.945232	4.287623	5.589806	5.906263	4.256314	5.227729	6.386457	6.718733	6.877271
NR2E3	4.003402	3.9506535	4.1272385	4.077351	3.8640115	4.0369875	3.837566	3.8374335	3.8616795	3.947184	3.943406	3.7985045
ALOX15	3.579974	3.780641	3.65094	3.419594	3.602509	3.592103	3.604857	3.75006	3.484373	3.612439	3.215747	3.660269
PLCL2	6.68172	5.654488	5.939439	6.494607	6.971541	6.538714	7.038002	6.931689	5.229571	5.697003	5.448434	4.92348
TRIM67	4.842235	4.704422	5.041856	4.71578	4.745708	4.65293	4.557882	4.71702	4.651612	4.525156	4.993419	4.633623
WDR24	5.634357	6.047181	5.912886	5.969622	5.928762	5.870758	5.901563	5.447672	6.00956	6.185472	5.456894	5.956521
ITPR2	4.7422865	4.226732	4.5624465	4.9492025	6.5393015	7.1458955	6.261374	6.5891375	5.760221	5.8153425	6.2102475	6.075828
PEX19	8.522535	8.206759	8.4477505	8.7369465	8.013224	8.0795715	7.977417	8.0059375	8.1680395	7.5308835	7.929996	7.5266445
SCN11A	2.676755	2.651196	2.833548	2.816279	2.853262	2.43703	2.83212	2.568071	2.678181	3.365588	2.594046	3.25936
KCNA3	3.561109	3.686587	3.301473	3.308975	3.074083	2.911062	3.225883	3.186931	3.130603	3.329611	3.00856	3.157083
ENC1	7.456411	5.479588	6.965858	6.976882	7.8394525	6.748123	6.6302415	7.8097355	6.4957615	8.024356	7.144127	8.0140265
GLT8D1	10.216997	10.1719285	10.1724365	10.120846	9.525965	9.795263	9.8278685	9.613565	8.8629015	9.6685795	10.3303545	9.8189375
LOC441601	4.724156	4.578094	4.819843	4.847137	4.625	4.782969	4.684855	4.765099	4.710106	4.886466	4.551616	4.47983
SPRR1A	4.7099155	4.6591775	4.6708645	4.650112	4.5991545	4.7737575	4.572526	4.7391895	4.601857	4.228352	4.7320315	4.0624765
PRR11	9.510711	9.327551	9.326513	9.243949	9.57191	7.627863	9.684046	9.414545	7.590453	10.11816	8.350012	10.22951
ARL4A	7.382971	7.13014	7.97262	7.886556	8.616396	7.753693	8.621307	8.588186	7.764539	9.057889	7.877539	9.583724
CXXC1	8.055338	8.215687	7.8674565	7.999766	7.984689	7.937231	8.166473	7.783981	8.18329	8.225628	8.616867	8.0806325
LAT	5.253032	5.5027535	5.3096975	5.6632435	5.227551	5.542711	5.2821775	5.297859	5.562793	5.4336325	5.66636	5.582206
SPAG8	4.5654515	4.646229	4.5443345	4.3694815	4.438268	4.424185	4.291941	4.4622995	4.635524	4.5372685	4.709743	4.6279165
MAFB	6.845223	6.5290055	7.0487765	6.942033	7.7549405	8.729277	8.304276	7.5902205	6.3229255	10.1875015	8.6749975	10.161601
LYSMD2	8.017509	6.743212	6.997096	7.534799	7.570993	8.369843	7.791216	7.773874	7.788148	7.486349	8.314236	7.641865
SLC2A9	5.223132	5.3149555	5.527748	5.1721005	5.3233305	5.3912515	5.0361115	5.325243	5.359064	5.226646	5.29271	5.139462

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
MLKL	8.251411	7.652129	7.685411	7.411733	6.699066	7.429187	6.850792	6.662871	7.110263	4.923018	7.829511	5.205643
OR5I1	3.584122	3.779263	3.7223	3.820858	3.842244	3.643009	3.84852	4.07712	3.969115	3.805156	3.800077	3.545074
MMP13	3.647529	3.931916	4.033752	3.939135	3.954098	3.805347	3.951721	3.913027	3.945616	3.955131	4.279701	3.663646
SCN3A	3.172813	3.265177	3.277262	3.205991	6.645465	5.097765	4.411344	7.097894	5.703951	6.106512	3.050963	6.801034
CPT1C	6.377203	6.009906	6.457937	6.538594	7.123558	4.696764	6.839478	7.233844	6.632993	6.683396	4.186024	6.241583
HDC	4.561229	5.117404	5.0264	4.614784	4.566857	4.578779	4.46093	4.612439	4.609719	4.097745	4.719389	4.642723
YOD1	3.9315615	4.339908	3.963341	4.266093	4.401334	5.0364045	4.6128225	4.422137	3.9663965	3.6931925	3.945697	3.641934
XRCC3	5.603162	6.295261	5.542478	5.672529	5.140603	5.264669	5.674801	4.664897	5.340328	5.162764	5.022016	5.462679
LHFPL2	8.042562	7.701885	8.238032	7.872416	7.697981	8.978622	7.37061	7.975952	9.780453	8.058775	9.79759	8.246327
RFPL3S	2.847137	2.686182	2.66641	2.496061	2.744976	2.903353	2.691473	2.687471	3.310677	3.45243	3.113042	3.269707
AUP1	8.96734	8.609868	8.781348	8.65531	9.520615	9.642227	9.723577	9.414539	8.879018	9.545926	9.931982	9.578844
LILRA2	4.9133875	4.9987605	4.7356025	4.8113625	4.6711645	4.6835425	4.695834	4.729797	4.7902205	4.5871725	4.680055	4.526716
PAFAH1B3	8.045381	7.703426	6.951939	7.602388	7.645705	6.701334	8.009376	7.352664	8.24465	8.16562	7.361211	7.650184
GATAD2B	6.3090195	6.3964655	6.394963	6.413171	6.603552	6.38941	6.2957695	6.356496	6.693066	7.0799315	7.0739345	6.863828
SEC23B	8.543046	8.210809	8.258135	8.524864	8.942255	9.493256	9.340221	9.024826	8.535275	8.087054	8.942993	7.95412
PTOV1	8.659848	9.091505	8.40012	9.122426	9.050035	8.382164	8.713511	8.868995	8.490556	9.688179	7.92294	9.405911
NR1H3	5.689049	6.054338	6.0203	5.695374	6.875491	6.344695	6.423869	6.881169	6.322259	6.385139	6.456493	6.752203
CD96	2.9985525	3.0204755	2.9816275	2.910398	3.0156035	2.9561545	2.773275	2.982911	2.846459	2.695071	2.8287755	2.818026
PSMD13	9.036179	8.4270145	8.551359	9.246561	9.3102115	9.1439605	9.3727365	9.411594	9.161767	8.936859	9.5485475	8.778082
SLC17A6	3.198004	3.332433	3.160811	3.521966	3.332433	3.799975	3.193446	3.280063	3.497165	3.205254	3.364496	3.3502
ZNF708	5.00121	5.03125	4.965976	5.04864	5.88671	5.520405	6.214164	5.575815	5.496202	6.122187	4.454356	5.729706
TAF9	10.129409	9.975401	9.9462605	10.0696435	10.457849	10.5862555	10.81355	10.441601	10.519266	9.766522	9.835595	9.9194205
VRK2	8.526144	8.559695	8.712215	8.46401	8.509297	8.159473	8.481359	8.533841	8.097319	9.133053	8.516684	9.394002
OR4D2	4.611708	5.104006	5.036716	4.914351	5.00561	4.735101	4.708407	5.150599	5.223786	5.087683	5.047362	4.92798
OTUD4	4.5153355	4.858272	4.5552245	4.597636	5.417269	6.254193	5.2889215	4.9202055	4.7590665	4.689209	4.4423905	4.625077
TSN	8.339468	8.32202	8.475409	8.421031	9.388901	9.533347	9.449554	9.376591	9.343422	7.310917	8.953392	7.173392
GRK1	4.965332	5.310842	4.951243	5.016907	5.048194	5.06552	5.10625	5.250758	4.64133	4.608604	5.090841	4.741122
GSPT2	7.999706	7.729207	8.117312	8.114885	7.970168	8.197267	8.051361	8.006145	8.491267	7.411474	8.13645	6.986806
STK19	8.03406	7.887727	8.109022	7.968862	7.890454	7.598136	7.333394	7.909517	8.269981	7.387298	8.5875	7.336877
LIPH	4.032132	4.142984	4.059387	4.2113275	4.5426795	6.33552	4.117698	4.324321	4.211847	3.7836285	4.181046	3.86193

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
DTNB	4.6802635	4.950775	4.4692355	4.6225475	4.776878	4.513632	4.7094135	4.6204595	4.6209855	5.0693785	4.680421	5.0444795
HTRA2	8.6369065	8.5987765	8.561723	8.5386335	8.341687	8.926556	8.1609215	8.294359	7.881781	8.1239995	8.913208	8.2186345
ZPBP2	3.023802	3.007653	3.00109	2.99642	3.068381	2.933998	2.770508	3.098626	2.979722	2.770508	3.052289	2.931014
TFB2M	4.4319855	5.054883	4.351035	4.6891875	4.56545	4.2921415	4.609064	4.2683155	4.1952035	4.247163	4.299094	4.6227565
CDC40	7.651067	7.0871205	7.472709	7.786148	8.139158	8.1183295	8.0617505	8.024624	7.6342385	6.5811305	7.48587	6.640155
MPZL1	8.353731	8.217666	8.276502	8.173022	7.59563	8.6065805	7.61222	7.6440115	8.00016	6.940164	7.635991	6.6050065
SLC26A9	4.609807	4.641813	4.311088	4.765162	4.978448	5.052927	4.721539	4.721815	4.580957	4.368163	4.727313	4.43406
TMTC4	6.278589	6.250393	5.912886	5.586864	6.030665	6.041844	7.021904	6.029842	5.492479	6.315471	6.409388	5.538134
UBE2E1	11.26722	11.34717	11.23387	11.33456	11.38185	11.62329	11.39638	11.22872	11.86985	11.32636	11.57852	11.20253
RNF43	5.222769	5.414193	4.881445	5.246201	4.988307	4.916187	4.626001	4.882776	4.916187	4.491395	5.080129	4.591615
SLC26A2	8.36444	7.332205	7.546864	7.308441	7.289961	7.255097	7.016164	7.208639	7.907268	7.546743	7.575765	7.443711
SATB2	5.368476	4.8240415	4.921551	5.1666425	5.334347	5.2062145	5.357631	5.526304	4.8743805	6.747823	5.5483825	6.4352345
DENND2C	5.6339595	5.4758785	6.0983505	5.7294605	4.7439935	6.0164935	4.78708	4.9034635	5.044271	4.5613985	4.749247	4.526261
PPARA	5.778422	5.669611	5.985145	5.915837	4.662416	4.490169	4.48636	4.743047	4.599024	4.452286	4.879443	4.783175
ARMC7	5.5110705	5.8529925	5.7265785	5.6694905	5.731648	5.4803815	5.697722	5.6908465	5.6968915	5.6199855	5.79246	5.425528
ASF1B	7.98261	8.343431	7.693486	8.311604	7.72254	5.967121	8.210848	7.192421	6.822413	7.008994	6.912838	6.992813
SNX12	7.9550475	7.8405215	7.7145455	7.8321645	8.7064285	9.125929	8.8135055	8.698902	8.8953295	7.4582585	8.508427	7.525136
HOXD9	5.3292305	5.873546	5.8089655	5.5178495	5.7050485	5.621509	5.7143185	5.615802	5.475382	5.8724105	6.05129	5.722928
ST3GAL3	5.524099	5.87645	4.807911	5.373889	5.20339	5.122144	5.149735	5.217113	4.919062	4.590335	5.191518	4.485438
DYNLT1	8.894215	8.213476	8.202786	7.9148465	7.584285	7.0482785	7.463552	7.5460425	7.948957	7.3848105	7.2403985	7.4358325
IRAK1BP1	5.3420525	4.9036735	4.94253	5.7063585	5.939957	6.294269	6.092333	5.9517695	5.7073685	6.24416	6.228426	6.246918
MRPL39	6.624174	6.3475875	6.5748545	6.347981	6.9294815	6.5923845	7.001474	7.0251735	6.4460925	6.950429	6.7265845	7.3534595
PITX2	6.203931	6.570221	6.045088	7.589607	8.49382	9.228911	9.658249	8.464479	2.469829	8.069433	6.332214	7.707098
DPP10	2.356271	2.38426	2.424496	2.278418	2.429348	2.503624	2.377386	2.510797	2.558525	2.344016	2.179484	2.505902
HDHD3	5.876515	6.024763	5.566747	5.532466	6.320759	6.337596	6.251085	6.360946	7.348851	6.627613	6.110158	5.189535
CAST	9.511408	9.771352	9.743572	9.718247	8.578774	8.820195	8.832822	8.577761	8.975834	7.94213	7.791992	7.654037
ALOX12P2	5.668379	5.945542	5.496432	5.709068	5.58144	5.492283	5.726099	5.801931	5.211277	5.68271	5.574239	5.755928
B3GALT4	4.376151	4.5110585	4.759578	4.4682945	4.5272835	4.1334485	4.3988185	4.4201225	4.119775	4.023484	4.2185865	4.1155515
TATDN1	9.206444	8.914165	8.993152	9.409903	9.462416	9.08998	9.377948	9.358899	9.375219	9.216586	9.097878	9.190363
CALU	11.26755	11.72499	11.06691	11.12663	11.06321	11.33011	10.23059	11.12321	10.85312	9.634995	10.40489	9.250669

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
PPP2R5A	6.61553	6.903306	6.500627	6.431586	6.239434	6.165805	6.1464445	6.2333015	6.122455	5.599355	6.155864	5.6900725
ZNF207	7.64655	7.05744	7.31741	6.473213	7.55327	6.235395	7.343076	7.497851	7.281796	8.776194	6.955726	8.451634
SP3	5.205001	5.21918	4.677308	4.728877	5.167647	4.764669	5.85624	5.368501	5.042847	7.234119	4.878698	6.991661
ALPI	4.17279	4.6250515	4.624828	4.500123	4.1878895	4.136688	3.9370405	4.151413	3.924546	4.042513	4.299012	3.99893
ANGPTL7	4.459755	4.521054	4.650941	4.402148	4.136263	4.418949	4.22387	4.401475	4.355537	4.078776	4.523481	4.090176
SCGB1D2	3.701141	3.612404	3.443656	3.732911	3.732199	3.66842	3.69521	3.784416	3.631097	3.127738	3.811417	3.790462
NARF	6.963734	7.0368655	7.043161	7.184681	7.3923165	7.231649	7.34967	7.260078	7.3947305	7.273172	7.247196	6.949732
GTF2A1	7.340482	7.173887	7.0517375	7.158673	6.8276675	7.103605	7.070215	6.923097	6.9092695	6.7525605	7.030827	6.84872
HSPA4	9.368401	8.981891	9.106357	9.2259395	10.30075	10.752405	10.396495	10.282875	9.729958	8.801316	9.273099	8.7223135
CNTROB	5.3725155	5.765935	5.4365835	5.255172	5.214506	5.321649	5.316263	5.3043905	5.327444	5.3737225	5.278957	5.3433725
B3GAT1	5.26078	5.814653	5.384491	5.20558	5.393824	5.05618	5.411347	5.273108	5.436308	5.586287	5.526324	5.461749
RHOV	4.731738	4.549453	4.303352	4.555167	3.871354	3.988581	4.255446	3.698884	3.899923	3.611586	4.170495	4.195036
CBLB	6.961539	5.964371	7.605727	7.186306	5.379448	6.233606	5.300133	5.488985	7.029796	6.521629	6.416213	6.122055
ECHDC3	5.861604	6.616423	7.058932	5.717473	4.834867	4.944353	4.640051	5.192862	7.153574	4.704428	5.249681	4.620265
RER1	10.30364	10.10991	10.31927	10.59094	9.964432	10.33228	10.55709	9.937094	9.862871	9.979514	10.46387	10.05781
ARL3	5.243739	5.562303	5.413441	5.279997	5.243473	5.133592	5.389641	5.217491	5.129119	4.993909	5.398266	5.243739
SLC26A3	2.5119965	2.398438	2.4372725	2.6607765	2.4492775	2.385164	2.491421	2.403026	2.501638	2.318202	2.50263	2.526322
ZNF22	8.310606	8.378225	8.0522775	7.19788	8.038602	6.8050405	7.8542475	7.6481935	8.548268	8.062321	7.1090545	7.9924785
SNX13	6.380492	6.265221	6.932017	6.117649	6.369231	6.659399	6.894556	6.526796	6.069888	5.804284	4.920203	4.850764
GIT2	5.631311	5.844232	5.884348	5.700858	5.187443	5.79237	5.584457	5.427279	5.263613	6.169921	5.486169	5.355924
FEM1B	8.067433	7.931072	8.120669	7.75715	7.799332	8.201946	8.511802	8.005286	7.512432	7.381704	7.973677	7.489178
HSD17B1	6.743553	6.8265945	6.490258	6.8168965	6.3755095	6.393961	6.828659	6.380098	6.1739725	6.7725775	6.4255175	6.177426
BCAR3	9.48647	9.242447	9.166924	9.115419	6.211173	8.838661	6.355679	6.235633	8.719387	5.665282	9.403603	5.998975
TMED1	7.982591	8.189848	7.808213	8.08597	8.146313	8.494697	8.1572	8.113836	8.414764	7.790359	8.108541	7.781796
ZNF511	8.077372	8.141271	8.099385	8.192831	8.151041	7.419735	8.873699	7.969767	7.672961	7.921484	7.888739	7.849357
BAIAP2	5.8538315	6.070665	5.8079735	6.3959835	5.874306	6.355547	5.371644	5.8719355	5.105324	5.21475	5.5603125	5.3455745
ATR	7.489095	6.402754	6.911718	7.335389	8.313212	8.957421	8.458614	8.307804	7.563388	7.923552	7.610326	7.718179
ZMYM1	7.177161	6.517463	6.300953	7.092251	6.4143	7.532533	7.55884	6.625795	7.263212	7.018224	6.295276	7.019289
UBE2C	9.746975	10.43016	9.520465	9.61124	10.09175	6.384033	11.15376	9.829245	6.799613	10.17034	8.492984	9.977657
IGSF3	5.611599	5.6511515	5.546586	5.362228	6.226661	6.0148365	5.849887	6.216275	5.600153	5.5990925	5.865766	5.525521

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
TTC12	5.908006	5.176529	5.918787	6.273097	4.66767	5.98026	5.993537	4.544123	6.318966	5.96224	6.166766	4.683588
ATAD3B	8.100223	8.154289	8.38859	8.374386	8.731884	9.26784	8.984197	8.745636	8.183661	8.657871	8.848197	8.67081
TTLL1	7.406904	7.600625	7.627123	7.551387	7.039288	6.607103	6.042568	6.867941	8.040453	6.931716	7.51063	7.212382
CUL1	7.5386795	7.5910115	7.6762355	7.5006825	7.102396	7.398086	7.5289005	7.1567315	7.662854	7.1328575	7.2518775	7.2436095
KCNQ3	4.179628	4.660636	4.380192	4.459642	4.635919	4.828084	4.344935	4.805058	4.70862	4.772749	4.818151	4.548288
NAIP	4.513735	4.473644	4.424153	3.994249	4.123094	4.276454	5.959708	4.433584	4.929823	7.217806	4.682956	6.817958
PLEKHH1	4.0621235	3.7404335	3.9883965	4.0018305	3.8223085	5.6378795	4.3977955	3.8881295	4.8349165	4.3413755	4.9805685	4.842822
HSPA12B	4.48758	4.9295215	4.43296	4.8363095	5.27285	8.1970405	4.7484015	5.238562	4.318445	4.936021	7.7049145	7.0097845
RAP2A	4.981279	5.261471	5.205929	5.123198	5.506557	4.8371	5.747409	5.518337	5.041088	6.320004	5.137515	6.342727
SPPL2A	9.149543	8.467841	8.885457	8.932282	8.615125	8.793989	8.272689	8.537189	8.341392	8.538549	7.727375	8.668997
LMO3	2.830186	2.969015	2.8480625	2.9080465	3.040037	2.951935	2.974003	2.9398945	2.759083	3.0126395	2.976129	3.009524
ZNF681	4.0124395	3.9022825	3.8942185	3.9860895	3.3590715	3.3713585	3.350527	3.416355	3.562575	3.9490355	3.3135705	3.163133
POLD3	6.2944465	6.401497	6.224969	6.536664	5.826771	4.986882	6.3567475	5.662367	6.069296	6.274556	6.069634	5.783845
ZNF710	4.833179	5.243758	4.592299	4.588784	4.929512	4.707792	4.920968	4.659445	4.750873	4.432853	4.678982	4.715321
HBP1	7.522077	6.696013	6.9410045	6.4691765	7.3893445	5.887678	6.1902355	7.3157825	7.6251555	6.2976815	6.2297225	5.874791
LRRC6	6.238115	5.798776	6.243334	5.958663	6.977585	5.783131	5.720139	6.854769	5.341236	6.396897	7.235574	6.947729
PSD3	9.278732	8.449131	8.467417	8.498051	7.210923	8.689952	8.646238	7.216958	8.452931	8.956501	8.056967	8.9464
GGCX	7.776482	7.58871	7.813779	8.410048	7.371915	7.601779	7.436215	7.407155	7.370245	7.000811	7.367438	7.01628
IL17B	4.54375	5.372531	4.377737	4.814449	4.885235	4.941071	4.767921	4.631459	4.733673	3.998073	4.839953	4.07578
TCIRG1	7.943371	7.625727	8.095841	8.592293	7.738768	7.147202	7.324851	7.575246	7.835547	7.198379	7.40797	6.84617
NAALADL2	2.506239	2.651746	3.022417	3.006341	2.461576	2.451851	2.383898	2.421336	2.322104	2.295697	2.504365	2.386553
NCDN	5.737797	6.361576	5.867218	6.241384	6.287929	6.648655	6.201021	6.247816	6.155898	6.065016	6.537929	6.205399
SRPX2	5.772558	5.693115	5.630271	5.574647	4.9024145	5.908491	4.672497	4.9298985	4.6474895	4.4443815	5.5998145	4.467509
PCDHB11	5.164968	5.751192	5.358413	5.023013	4.97012	4.756885	4.570962	4.991576	4.820231	5.433655	4.928456	4.984507
DDX50	5.685345	5.230506	5.072605	5.00268	5.481976	4.904954	6.022364	5.273822	5.598784	7.342413	5.711334	7.435322
SH3GL3	5.160015	4.829289	4.910989	4.864235	4.774199	4.872918	4.744926	4.840547	4.804113	4.808842	5.087358	4.244537
SH3GL2	2.815454	2.744985	2.957113	2.450447	2.748922	2.468966	3.199092	2.771044	3.032082	4.52979	3.089708	3.572854
CAPZA2	9.219175	9.208083	9.269331	9.898088	10.1406	10.63621	10.28871	10.11866	10.10204	9.39672	9.5109	9.570417
FMO6P	3.415858	3.509837	3.7223	3.469157	3.775894	3.636498	3.841207	3.659371	4.035567	3.847514	3.987005	3.659432
ZFY	5.883528	3.4813395	5.38818	5.9267555	5.9621755	3.452344	5.9908155	5.8845295	6.3170055	5.1636485	4.9120385	3.1088525

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
ARHGAP27	4.967263	5.060201	5.171548	4.615695	4.878024	4.890481	4.779734	4.742792	4.694685	4.957994	4.635243	4.436886
ZNF562	5.226192	4.781977	4.775378	5.120149	5.5338265	6.0238025	5.683048	5.4789545	5.379901	5.5860925	6.004554	5.803393
ALG10	4.303384	3.889758	3.9133655	4.2837805	4.1512905	3.864356	4.7557095	3.888714	5.4807645	3.813317	4.445816	3.583923
KLHL11	4.862604	5.896009	5.087238	4.77814	4.641295	4.764668	4.699739	4.630187	4.66	4.516424	4.748201	4.095292
RPS4Y1	12.35166	5.681046	5.226076	12.36576	12.73488	4.42191	12.6298	12.77354	12.40337	12.70406	12.77962	4.68835
RFX3	4.1958185	3.8366475	3.978908	4.008594	4.482959	4.4488005	4.5278695	4.4110025	4.085324	4.972961	4.1077335	5.1673025
PEX14	7.681693	7.936775	7.606732	7.534213	7.04199	7.112782	7.331662	6.850517	7.108716	7.190951	7.148675	7.034998
GSTM5	6.24949	6.387076	6.100883	6.159937	5.862931	5.497533	5.39441	5.730723	5.54198	5.524459	5.678022	5.332296
TM4SF18	3.106569	3.1833855	3.2243605	2.9051715	3.1978585	3.166117	3.03855	3.323538	3.0941745	3.1703295	3.2461655	3.101741
SLC5A5	6.632403	7.253833	6.842151	7.15495	6.767204	6.739149	6.51532	6.972837	7.040401	6.842243	6.947282	6.740529
THOC5	5.607299	5.350696	5.644049	5.413426	5.6780615	6.0799265	5.7703485	5.8295335	5.696649	5.383896	6.4374495	5.6949045
MRPL30	6.565565	6.129794	6.328331	7.321805	7.732259	8.696387	8.27865	7.806035	7.5546	7.422625	8.149804	8.248292
PGPEP1	5.750431	5.963128	5.9387265	6.264646	6.1735225	5.892368	5.7626545	6.11802	6.5885165	6.087167	6.1437365	6.057446
PKLR	4.324155	4.330556	4.31951	4.640663	4.247868	3.875495	3.70164	4.249604	3.89258	3.95288	4.087184	3.795925
RNF168	5.80765	5.8103135	6.128643	6.0005985	6.1005335	6.3485505	6.5039725	6.065498	6.203022	5.8415085	5.984359	5.9062605
NEK5	3.069488	2.541358	2.689049	2.577512	2.5182245	3.885269	2.5510705	2.641196	2.598687	2.8047085	3.363028	2.6632595
IFT52	7.20857	6.812383	7.2346395	7.159971	7.130225	6.571398	6.873268	7.228835	7.644971	6.7424985	7.2778105	6.6622355
CLDND2	5.324183	6.098836	5.084639	5.109493	5.05172	5.079103	4.206312	4.775516	4.439594	4.287811	4.730333	3.86887
RPL41	14.00228	13.96009	13.9946	14.06569	14.12165	13.70308	14.12796	14.06011	14.08455	13.99213	14.21939	13.93153
PES1	6.497026	6.6724105	6.3465305	6.702494	6.8493165	6.9573225	6.5498225	6.705234	6.6359135	6.4470615	6.9538895	6.3373105
GOT1	8.328053	8.185756	8.526668	8.335198	8.616438	8.617689	9.279827	8.570994	9.374315	8.808345	9.691305	8.705557
RPS6KA6	4.329601	4.6573515	4.3552575	5.7594595	3.545218	3.6067585	3.230479	3.8642495	4.26509	3.6405155	3.6346215	3.1023045
ZCWPW1	5.6365215	5.7982335	5.7389305	5.627487	5.883536	5.5750305	5.3885145	5.8184555	6.596357	5.5078255	6.1676235	5.444092
FRMD4A	5.1596405	5.2640235	4.715569	4.6829405	4.2098715	3.9853555	4.410732	4.232619	4.7820075	5.571562	4.526452	5.6595275
CANT1	9.00982	8.697105	8.972081	9.079574	8.611941	9.113028	8.229409	8.490664	8.637009	8.633279	9.188781	8.406504
PDCD1	5.224662	5.711378	5.337824	5.379648	4.817025	4.956721	4.846983	4.748304	4.662636	5.331406	5.290919	5.058189
TAF1C	6.3856075	6.62399	6.5522215	6.3574065	6.2175155	6.224398	6.0813105	6.1180885	6.491385	6.463073	6.4628455	6.4469565
PPFIBP2	5.965068	5.568333	6.016712	5.591424	7.191723	7.430945	5.666264	6.995239	5.405134	6.621835	6.818574	6.483313
DPPA4	2.726324	2.760081	2.881511	2.909607	3.416381	2.878808	3.344682	3.447014	2.811829	3.04879	2.89416	4.311049
PSMD4	10.03078	9.691721	9.784938	10.371865	10.425735	9.955611	10.304695	10.389605	9.997114	10.267745	10.79799	10.36311

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
TSC22D4	5.569581	5.801785	5.389531	5.5454305	4.8710465	4.967473	4.7444005	4.8830935	4.482378	5.6186155	4.774847	5.609945
TNFRSF11B	7.268774	7.145124	10.3837625	8.833239	2.9319325	3.3512075	3.458428	3.021507	7.773348	3.4720575	3.7038685	3.4771935
NEK6	4.951581	5.563274	4.95694	5.303861	4.89573	4.932336	4.614973	4.884861	4.829537	4.322785	4.988889	4.30415
WASF2	9.044509	9.637259	9.401013	8.964766	7.76966	7.591676	7.386539	7.658949	7.807373	8.624323	8.244695	8.510404
RPS16	13.20625	13.25041	13.160095	13.215105	13.270865	13.19242	13.312015	13.28654	13.019795	13.14659	13.11483	13.23739
TSPAN6	9.2151845	9.0108045	8.8979	9.0470875	9.4489755	9.404477	8.7098315	9.3766085	9.5968555	8.541164	8.2809585	8.5863925
CBR3	8.463182	8.584266	8.505559	9.05398	7.129495	6.505215	7.089264	7.038964	7.485811	6.637685	7.531566	6.543112
TH	3.618301	3.563882	3.558755	3.930213	4.016134	4.23319	3.788411	3.855173	3.73549	3.375998	3.957783	3.415958
PTCH2	4.533931	4.733549	4.674459	4.846703	4.870794	4.687752	4.730077	4.95438	4.710953	4.491898	5.171548	4.649918
RNF126P1	5.995118	6.587543	6.280881	6.064369	6.244843	6.739642	6.559693	6.246387	5.87091	6.19734	6.299094	5.882664
OCLM	4.014742	4.165038	3.834995	4.203623	4.503048	4.350849	4.638666	4.441877	4.45719	4.204918	4.24743	3.926692
SLC4A10	2.867996	2.669038	2.594101	2.802588	2.652907	2.634724	2.392404	2.630327	2.536716	2.685369	2.664779	2.555322
THY1	9.494469	10.31974	10.31692	10.58707	9.378019	9.469294	9.955288	9.244717	8.379725	9.393513	8.006559	9.991328
EFHB	3.004019	3.133764	3.0378275	2.9242645	3.370621	3.266339	3.0672295	3.129431	3.3986055	3.004008	3.2241065	3.007701
AQR	6.491172	5.504461	6.23545	6.056781	6.6156785	7.394208	6.610067	6.4482345	6.275245	6.5541235	5.593103	6.550406
MATN4	5.230822	5.227783	4.886265	4.747931	5.135896	4.860632	4.962096	4.564922	4.896216	4.284741	5.092767	4.551734
CD40	6.1063135	6.4619025	7.1378295	6.204265	4.885065	6.0116505	5.171098	5.031486	6.8830125	6.114375	5.14581	5.6873395
CDH6	4.0301485	3.8422325	4.1123265	4.33004	4.15337	4.0805065	4.143855	4.111179	5.864586	3.8937675	4.3470995	4.166936
PCNP	10.2207	10.49184	10.35327	9.966009	10.49206	10.31858	10.72376	10.48306	10.22135	9.910898	9.715319	9.611182
BMP4	5.591761	5.592094	5.560042	5.769681	7.816792	7.440349	6.802306	7.979492	8.547829	6.452237	7.593089	7.711404
TUSC1	8.970929	9.563478	9.685357	9.389521	6.478566	6.076672	6.342366	6.585077	9.834461	8.242095	8.814794	6.357192
IRS1	6.638054	5.865874	6.618494	7.592631	5.496099	6.638519	5.294827	5.788741	7.109049	6.890101	7.290132	6.972029
ADAM20	4.5204385	4.6790355	4.0663895	4.494568	4.602947	4.3321065	4.5143965	4.642149	4.438914	4.4143045	4.2514675	4.147176
OR1Q1	4.0948495	3.998601	4.1010545	3.852783	4.120585	3.9034855	4.093032	4.137526	3.9391495	3.573969	4.0565345	3.6573405
ADAM33	7.806206	7.340286	8.6438435	7.044757	7.820665	6.046047	6.3018085	7.5006555	6.4752955	8.761866	6.2879175	9.378538
ABCG1	2.870007	3.091331	3.186834	3.0123	3.143788	3.324905	3.058083	3.059632	5.655887	3.564016	2.831949	3.687617
MRGPRX3	3.182561	3.288451	3.134117	3.928598	3.851835	3.754335	3.814427	3.925415	3.572629	3.578516	3.765127	3.233979
TSPAN7	4.084498	4.246025	3.839717	4.228722	8.064396	7.382436	7.387375	7.725047	6.151491	7.690494	4.682956	6.459714
COX7A2	12.02497	11.92784	11.70482	12.1908	12.26414	11.98008	12.2927	12.31217	11.53243	12.19501	12.10014	12.432
RAET1E	3.966906	4.33291	4.298857	4.130434	4.698267	7.885075	4.09473	4.709457	3.792573	3.777479	6.119337	3.742126

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
SFMBT2	4.2661945	4.2397805	4.1651285	4.19025	4.2600355	4.1851915	4.367547	4.2180165	4.642385	5.649398	5.068054	5.963779
TIAM2	6.602413	6.403711	6.167227	6.683633	5.844331	5.929829	6.021288	6.054214	5.792954	6.60595	5.279997	6.591571
MAP4K1	4.868675	4.983057	4.97161	5.018462	4.809104	4.700745	4.948027	4.960484	4.873667	4.895039	5.120014	4.537144
PSG2	9.830854	7.69029	7.961942	8.484386	4.495821	6.282313	4.342027	4.622872	4.223094	3.611489	4.488872	3.767224
DCLRE1B	7.0570625	7.090956	7.063192	7.2810595	6.3598005	5.971925	7.1535385	6.3045015	6.653587	6.382136	6.2431925	6.2120345
LPGAT1	6.604104	6.111837	7.183641	6.865216	6.359779	6.842643	5.778066	6.505187	7.668578	6.563491	6.096381	5.942923
CD1D	3.160315	3.176957	3.547329	2.941494	4.995105	3.313154	2.902969	4.688117	2.787926	4.223327	3.623006	4.584118
PHF20	5.869434	6.024819	6.045628	5.945506	7.174289	6.659399	6.811022	6.805203	6.342973	5.89245	6.318916	5.837903
DNASE1L1	7.660172	7.312101	8.179196	8.140595	7.340816	8.877638	7.867912	7.522284	7.207812	8.025506	8.003323	6.78614
PDE4B	6.613723	7.402121	7.660889	6.844141	6.334984	4.625012	3.658228	6.227923	5.266963	4.62794	3.680295	5.344269
CYP3A4	3.887586	4.134248	3.85583	4.050531	4.385963	4.247415	4.338685	4.420791	4.367575	4.33969	4.294031	4.425538
NCOR2	5.2830585	6.007238	5.162424	5.056897	5.193362	5.055347	5.046092	5.052468	5.09615	4.8891895	5.0274125	4.777572
SHPRH	4.826319	4.1697255	4.4693405	4.8439685	5.572409	5.256604	5.791764	5.2437495	5.2131265	6.9240595	5.0291535	7.197215
CCDC77	6.464965	5.364478	5.697114	6.198119	6.557141	5.332249	6.552566	6.265635	6.446769	6.241961	6.184233	5.924206
ITGAD	5.594597	5.589678	5.501913	5.670723	5.690302	5.762281	5.743306	5.573542	5.580942	5.401933	5.818944	5.431145
E2F7	6.630467	6.537237	5.8023825	6.5320505	6.309052	7.011866	6.6608265	6.2725735	6.5866935	5.7449855	6.9981005	5.5358455
AP3M2	6.9601375	6.9907805	6.649771	6.4157	6.028601	5.705691	6.410781	6.133418	6.900855	6.329244	6.6603605	6.088711
ZZEF1	5.283813	5.759339	5.529002	5.231311	5.155576	4.920422	5.102768	5.25223	5.127872	5.068087	5.298108	4.829889
ADRA2A	5.733178	6.470782	8.251889	7.112872	8.75362	4.675567	6.076144	8.723606	4.910561	5.423709	6.027903	5.871815
TMED3	4.219204	4.814855	4.42047	3.760996	4.143429	6.505648	4.943146	4.175121	4.133693	4.536901	4.280479	4.128949
WDR46	8.570571	8.193203	8.06833	8.437906	8.679338	9.209656	8.719365	8.653664	8.817163	8.55317	9.083479	8.569474
SDCCAG8	6.5331275	6.2033785	6.217754	6.226641	6.2707335	5.405332	5.7774065	6.072746	5.685972	5.7444395	6.304321	5.497419
AIFM1	7.838802	7.263287	7.727352	8.10277	9.275154	9.480442	9.330832	9.392565	8.532855	8.630339	9.272322	8.739058
INPP5A	8.098849	8.4295695	8.272438	8.1622455	7.3697655	8.1683645	7.948468	7.400255	8.019795	6.977355	8.2214505	6.525796
PRKX	5.541094	5.122861	4.842973	5.734346	5.719952	6.544268	6.165688	5.703938	4.783319	6.835136	6.399879	6.129936
RNF180	2.621975	2.349618	2.608006	2.461927	3.180181	2.797391	2.174885	3.154837	2.805014	3.105221	3.784428	2.689605
GPR155	4.869422	4.924039	5.065704	5.356935	3.7321	5.512122	4.930404	3.674393	5.071569	4.856737	4.302486	5.068995
COLQ	4.629784	4.7727	5.080888	4.560482	4.744135	4.840303	4.691142	4.543948	4.748989	5.766817	4.501124	5.117581
SUSD2	4.6195625	4.8922155	5.266814	5.723096	6.720983	7.4683485	5.309353	6.7729905	4.8590085	5.323715	7.0691925	5.1090355
PLAU	7.5353095	7.4174195	6.9950255	7.664917	5.2916385	8.2845795	5.4953865	5.378651	9.599725	5.2682705	8.003803	4.9090625

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
NUDT15	8.673939	8.398909	8.843936	9.060696	9.49915	9.344678	10.13615	9.411059	8.206213	8.719902	9.316883	9.165318
TMEM63C	3.82552	3.77773	3.667035	3.849776	3.771427	3.813203	3.676057	3.92513	4.081128	4.279821	4.060028	4.258163
RECQL	9.2517435	9.039709	9.232768	9.7035075	9.731267	9.3628315	9.588986	9.674825	9.3912595	7.9825395	8.2613095	7.868174
ZNF226	5.309006	4.8633415	5.215491	5.154773	5.647526	4.9797645	5.4048835	5.393231	5.5098145	5.8257195	5.291669	5.7467615
SLC32A1	3.060714	3.34656	3.304625	3.202835	3.408661	3.171145	3.156085	3.416204	3.535432	3.30392	3.452941	3.42232
STARD7	10.1221	9.559251	9.789116	10.56291	10.65701	10.60486	10.89738	10.58284	10.09382	10.27335	10.39491	10.19267
NMT1	7.557325	7.084641	7.812904	7.677143	7.444285	7.851227	7.917954	7.230303	7.924735	7.394482	7.752222	7.676245
SLC18A3	4.809891	4.965151	4.707394	4.447535	4.114325	4.634066	4.285805	4.448811	4.377796	4.010005	4.228119	4.289783
ARMCX5	6.3257335	5.9194305	6.079013	6.460591	6.803162	7.0741775	7.156396	6.62499	6.75126	6.9234265	7.5261765	6.5951775
KNG1	3.090969	3.459215	3.48861	3.734218	3.447014	3.378506	3.391216	3.524802	3.458513	3.542904	3.573457	3.514835
NFKB1	8.576441	8.630733	8.848854	8.658028	8.114292	7.843797	8.282697	8.05024	8.571243	7.958552	8.373997	7.566304
ZNF609	6.312349	6.257863	6.458509	6.309852	6.192966	6.101979	5.97627	6.026498	5.941442	6.316125	6.242731	6.212696
NRBP2	8.43794	8.27853	8.56046	7.48455	6.061666	5.222973	6.934295	6.248712	6.833968	7.957124	6.598356	7.641284
SIRPG	3.573449	3.752178	3.322115	3.72846	3.486943	3.9526275	3.4630185	3.5781515	3.680191	3.2122985	3.631659	3.417257
MIPEP	7.257414	7.220063	7.500125	7.521572	7.9979335	7.987095	8.146785	7.9084815	6.78914	7.017481	7.848864	7.0017205
ZNF618	7.505395	6.860214	6.432737	6.804129	6.172327	5.540326	7.043211	6.171363	7.091173	7.978416	6.001456	7.859863
DPP8	8.806609	8.670342	8.729098	8.965284	8.713358	8.569844	8.569231	8.580217	8.75256	8.623106	8.543474	8.787457
GMNN	9.479492	9.186255	9.038588	9.634206	9.462593	7.080166	10.34688	9.139547	9.084298	8.987333	8.264653	8.653065
AUH	8.694337	8.465473	8.146776	8.013938	7.655667	7.699982	8.825224	7.4717	7.832013	7.692418	7.844641	7.872789
MMP10	3.332269	4.008166	2.910511	3.108629	2.949559	3.001049	3.140793	2.740394	2.991285	2.715864	3.942451	2.856081
MAP2K4	7.33708	7.3967295	7.7350955	7.8294835	7.819459	7.6582495	7.725296	7.8868155	7.442972	7.2417585	7.0885385	6.824311
CYP21A2	5.575307	5.586367	5.396792	5.223251	5.430105	5.4238	5.593122	5.473813	5.195709	5.036247	5.390488	5.326371
KRT16	4.350876	4.381089	4.502725	4.223809	3.894309	8.697427	4.222282	3.927204	3.930168	5.168757	6.386288	4.307003
SLCO1B3	3.090253	2.977362	3.303021	3.287036	3.197878	3.110596	2.870058	3.124091	3.133487	3.297973	3.197878	3.110596
AP2M1	11.88369	11.81471	11.47387	11.89654	11.30563	11.34535	10.81338	11.05779	10.41689	9.350428	9.962775	9.056186
SERINC1	11.40208	10.92889	11.17434	11.21601	11.38399	11.8114	10.94276	11.34004	11.69496	11.01283	11.6091	11.01788
DPF2	6.029417	6.1632145	6.0249735	6.118969	5.9345815	5.9196235	6.07463	6.040852	6.394077	6.1147285	6.3791705	6.1591015
TES	6.66395	7.22302	6.816966	7.14108	9.648756	8.685668	9.044144	9.658301	8.884977	8.658421	8.268958	8.12499
RARRES2	5.305966	5.880665	5.367375	4.844641	7.179907	8.377914	5.191382	7.221004	8.468405	7.153305	7.727456	8.906546
TNFRSF4	4.637143	4.910784	4.729357	4.8633845	4.9375875	4.8377615	4.775009	5.0262365	4.8948665	4.645306	5.2576425	4.618565

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
SS18L1	7.067978	6.885334	7.316989	6.994224	7.469265	7.405594	7.743265	7.380423	7.443415	8.015559	7.620226	8.074712
HUNK	5.3462095	5.170313	5.756843	4.945245	6.092166	6.8502005	6.4373675	6.1317955	4.556723	4.95009	5.574968	5.192181
CSNK2A1	8.17337	8.3698995	8.196227	8.0295665	8.880848	9.2142925	8.9642675	8.8855755	8.538542	8.3068815	9.186662	8.518242
DSG3	3.3635155	3.3798365	3.476338	3.499825	3.557236	3.5631335	3.5158085	3.5540795	3.4741555	3.4618335	3.8320475	3.3881405
GALR3	6.450921	6.774684	6.478832	6.823713	7.125313	6.810254	7.067259	7.050262	6.83818	6.48846	7.12245	6.437886
OTX2	2.5639305	2.5578345	2.7196965	2.6235395	2.6609275	2.6423325	2.604098	2.6699175	2.5088275	2.5678125	2.59901	2.521963
SLC27A6	3.369738	3.216708	3.326113	3.570391	5.439305	7.648687	6.239815	5.215127	3.458919	7.277404	3.676058	9.712908
KIFC3	4.9140885	4.661641	4.977892	4.899149	4.625646	4.5750135	4.263132	4.576165	5.141617	4.192524	4.8922795	3.884225
TRPA1	4.2268805	4.3655555	4.3828765	5.053667	3.9837955	4.096549	4.2518815	4.1795925	4.2932025	4.174688	4.140857	4.074592
EI24	8.3797055	8.9023525	8.7791595	9.5533505	10.326465	10.603335	10.473335	10.387505	9.406892	9.847491	10.041377	9.9678345
WDR54	9.821109	9.804766	10.015	10.06433	8.626768	7.340175	8.709084	8.547769	8.230592	9.41779	9.357778	9.160485
PRSS12	6.874071	7.953457	7.512869	8.135015	12.14392	10.1385465	11.53188	12.158045	5.9131875	11.476005	4.915248	10.482459
ACYP1	8.2062	8.149878	7.693485	7.163833	8.399382	7.834995	8.212364	8.365884	6.61802	8.960086	9.284034	8.704506
CDK9	4.65901	4.650728	4.759946	4.678941	4.219042	5.836633	4.678941	4.489336	4.574637	4.889288	4.818151	4.232364
UBE2O	6.331221	6.858369	6.628615	6.4453925	6.4182365	6.6346785	6.789299	6.421157	6.0056895	7.0276085	6.687986	7.3853725
NXN	9.199762	9.720115	10.07215	11.35098	7.826769	7.07901	5.949393	7.769155	11.42174	8.200179	5.519905	6.127104
DEFB124	5.563448	5.442469	5.2868715	5.468927	5.553618	5.290434	5.557733	5.587109	5.271183	5.145382	5.4291215	5.2924805
KRTAP10-12	5.232158	4.912259	5.307781	5.716546	5.966865	6.075309	5.966309	6.136114	5.798742	5.628335	6.141816	5.783187
GAPVD1	7.831991	7.3332585	7.5659035	7.807067	8.483385	9.1650605	8.759215	8.52477	7.82748	7.958549	8.388692	8.207064
ZDHHC13	4.830567	5.014527	5.5209375	5.7624855	5.304844	4.8544115	5.2822935	5.397366	5.520161	5.8890665	5.4710545	5.170146
PROKR2	4.852378	4.896475	4.451842	4.837538	5.254433	5.298484	4.962214	5.20083	5.097573	5.001266	5.387143	4.838756
PRCP	3.8834235	3.9155385	3.970285	3.914802	3.743657	4.232468	3.9793375	3.805303	3.9199955	3.894725	4.2614055	3.865122
TLK2	5.861464	5.582815	5.912886	5.978638	5.337365	5.600502	5.794738	5.476929	6.377961	5.753959	5.692162	5.937723
EP300	6.5325155	6.913454	7.496767	6.3896235	7.248509	7.5860175	7.2599415	7.2884385	7.3739835	7.5994845	7.452137	7.4213785
RGS17	7.769191	6.029412	4.962823	5.833519	4.782686	4.309645	7.463616	5.106884	6.126019	6.125548	4.099374	6.240897
UBE2H	6.717028	7.0009545	6.638482	6.3780405	7.6423795	7.424897	6.9707335	7.7249325	7.2664265	6.22134	7.2937735	6.200879
NBPF20	7.35538	7.41839	7.468235	7.530356	6.17696	6.132187	6.288884	6.042568	7.64146	6.715297	7.240595	6.185088
ZNF432	6.851384	6.707356	7.077547	6.689116	7.075031	7.323429	6.936687	7.255812	6.558719	8.360154	7.362397	7.881266
MTCH2	9.205547	8.7371445	8.9725755	9.520588	10.016085	10.3645525	9.960202	10.097814	9.9366565	9.430384	9.8218985	9.374562
BAIAP2L2	4.5085705	4.280861	4.410741	4.367369	4.525345	6.2403865	4.26027	4.4447655	3.9315365	3.9746655	5.1623735	4.1392815

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
SPSB4	4.884543	5.123603	4.684319	5.012708	5.055235	5.009713	4.702629	5.077992	4.786482	4.949224	4.636313	4.865667
NOXO1	4.49421	4.861789	4.676237	4.779786	4.369607	4.366389	4.444027	4.449857	4.208531	4.229659	4.234369	4.4257
INTU	5.346188	5.568744	5.718038	5.341972	5.56638	4.981854	5.885079	5.798742	7.396162	6.972174	5.712827	7.140742
MX2	6.014937	6.333691	5.805624	6.066814	5.843014	5.029793	5.840614	5.63181	9.904144	6.601842	10.41079	7.124806
PDGFA	4.832842	5.3267485	5.145625	4.9369345	5.0455245	8.2378245	7.1007525	5.712211	7.908723	7.1534745	8.1343485	6.136382
SLC7A7	5.732055	5.110015	5.912887	5.851748	5.804038	6.959185	5.491684	5.530598	7.836924	7.771486	6.868626	6.974477
GRAP2	4.923269	4.416476	4.434634	4.942905	4.548145	4.629485	4.797969	4.774158	4.634066	4.097745	4.537817	4.682946
ABO	5.332161	5.7486105	5.3788165	5.0342525	5.1560975	5.3741135	4.9926545	5.2757755	5.5319725	5.1700735	5.576903	5.132661
AKAP13	6.34873	5.9808045	5.7211115	5.365864	5.3450965	6.40344	5.5652855	5.407081	5.5641095	5.0684415	5.037332	5.4120515
CRYGN	3.801528	4.18448	3.861985	4.022808	3.848393	3.679193	3.85829	3.823236	3.959437	3.862254	3.621209	3.576622
H2AFY	7.393644	7.764976	7.77721	7.1230895	7.445175	7.1755135	7.190041	7.2567805	8.0179665	7.9826455	7.706519	7.6883895
ADCYAP1	3.801988	4.1703805	3.8386395	4.0542115	4.1150475	3.7618345	4.049339	3.9412575	3.823458	3.670379	3.9610755	3.7413865
CAMK1	6.2093575	6.5131805	5.8903655	6.0269605	5.5788475	6.144429	5.887259	5.4784675	5.334077	5.665914	5.66637	6.136265
ACOT12	2.715159	2.556355	2.438411	2.772383	2.503391	2.381662	3.278054	2.598876	2.544241	2.631334	2.593888	2.526001
DMRTC2	3.236632	2.991062	3.14236	3.062032	3.177323	3.158101	3.161921	3.157762	3.202748	3.04879	3.329259	3.135384
LARS2	7.6788715	7.2691325	7.1566355	7.8945175	8.318415	9.125873	8.8180975	8.3248915	8.0085515	8.819213	8.7571795	9.1550815
EGFLAM	5.940899	5.272737	5.557802	6.757698	7.918163	6.234232	6.148355	7.840781	5.958035	6.710065	6.181509	5.536598
ZNF275	8.332043	8.232594	8.5942815	7.853495	6.439487	6.6335445	6.7798135	6.2425015	6.4189015	7.6529005	6.7818685	7.375168
DCX	2.8530435	3.17742	3.1717165	2.9581825	3.1728165	3.894247	3.253403	3.0557065	3.1779695	3.1803795	3.045009	4.2219305
TRAF2	5.794847	5.651311	5.601331	5.817677	5.525273	5.783959	5.828222	5.629045	5.513339	5.501275	6.081634	5.758715
IL12RB2	3.123083	2.902638	3.029475	2.986806	3.161328	2.924535	5.893004	3.264673	2.932902	3.388422	3.18805	3.87401
MTFMT	6.63374	7.447733	7.120426	7.444476	8.505532	8.96416	8.525585	8.471932	7.375762	7.097082	8.154716	7.108119
CMTM4	7.223057	7.426519	8.01551	7.447189	6.210883	6.566926	7.243892	6.384596	6.218064	7.381024	6.090151	6.738605
TARBP2	7.575027	7.197003	7.352142	7.732149	7.870866	7.962243	8.13896	7.782379	7.692616	7.457198	7.961868	7.520907
GRIP1	3.190437	3.2113315	3.163427	3.110835	3.0770615	2.964503	2.7875265	2.894121	4.43852	3.0863845	2.924796	3.127099
EFCAB2	5.297648	4.664009	3.91117	4.460388	5.187152	3.370243	4.474146	4.721815	4.201227	5.513581	4.008935	3.808265
ZNF222	6.487934	6.088233	6.517655	6.504985	6.351239	6.221219	6.503511	6.500008	6.922945	7.132037	7.07414	7.228562
PPP3CB	9.86308	9.348383	9.3635575	9.789118	9.0561565	8.233396	8.7270925	8.943071	8.6574375	8.864753	8.491213	8.9146925
LANCL3	2.793074	3.292429	2.942956	2.851561	6.094638	7.722833	5.928762	6.386209	2.869383	6.383551	4.917175	7.007547
ARL1	9.758261	9.740906	9.807256	10.06437	8.975077	9.197884	8.814741	8.812974	9.236441	8.657119	8.864456	8.648677

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
TOP2A	9.740646	9.559828	9.160228	9.399455	9.975609	4.244902	10.52631	9.497574	6.429698	9.479706	6.742676	9.145878
CSE1L	9.99129	9.4644345	9.489092	9.949257	10.33615	9.692845	10.726975	10.059793	9.365514	9.648872	8.461821	9.7899985
PCDHGC5	2.759398	3.075415	2.782933	2.879456	2.931014	2.959754	2.698772	2.979912	2.832137	2.916543	2.953894	2.922228
LCN8	3.6998005	4.064858	3.761408	3.8679385	3.9050545	3.8439675	3.7159815	3.8306145	3.7342425	3.414616	4.0979935	3.4693175
PRKG1	5.88369	6.482525	5.96755	5.306244	4.746687	5.49333	4.968637	4.765997	5.431496	4.764668	5.644886	5.854543
RBM33	4.718799	4.87747	5.031548	4.973297	5.087753	4.886566	4.925487	5.116894	4.902305	4.161651	4.579717	4.494242
TIPARP	10.34784	9.645906	10.0067	10.15089	9.190554	8.548159	8.193788	9.327408	9.105215	8.131415	8.258576	8.576261
MOS	4.133664	4.518321	4.497141	3.931988	4.48591	4.47666	4.2283	4.317853	4.406948	4.285422	4.278343	3.919157
CD79A	5.9592235	6.452961	6.057193	5.9552255	6.1557805	5.734627	5.621682	5.835004	5.895092	5.662357	5.8276185	5.46509
GHRHR	4.708714	4.840996	4.643686	4.678516	5.123086	4.675486	4.93997	5.285983	4.913631	4.436489	4.693891	4.942184
KLK13	4.887748	5.227247	4.998912	4.671214	5.069719	6.807793	5.818185	4.63238	4.537817	4.697691	4.76283	5.254714
OR1A1	4.514771	4.667662	4.624828	4.72937	4.298491	4.367663	4.691914	4.695918	4.379256	4.32019	4.255345	4.342389
GAL3ST3	5.818683	5.982684	5.795842	5.715683	5.976421	5.832789	5.655246	6.007492	5.932704	5.451324	5.849515	5.786779
NCKAP1	8.884525	8.2042435	8.388787	9.172888	8.842166	9.3548305	9.076345	9.1038685	9.552688	7.669434	8.9174805	8.194446
SLC35D2	6.3517135	6.205831	6.2842485	5.7879175	5.7518985	5.974227	6.025766	5.617469	5.8153565	6.5705185	6.4442895	6.594806
NEUROD1	3.1887145	2.9721715	3.2425055	3.043254	3.0733095	3.100973	3.203734	3.1882005	3.181179	3.1397235	3.1928705	2.937211
FABP7	3.269119	3.269819	3.329761	3.415746	3.444328	3.482805	3.32096	3.620436	3.650137	3.298128	3.64107	3.330271
NUF2	8.447771	7.999457	7.48212	8.036229	8.224527	3.080264	8.617984	7.854599	4.541971	7.688878	5.084745	7.321927
GNG3	5.287465	5.682838	5.402957	5.662167	5.591265	5.362927	5.570099	5.552896	5.28937	4.855144	5.403022	5.045159
TM4SF4	3.818796	4.047811	3.913747	4.186224	4.135149	4.134136	4.118497	3.909588	3.648155	3.802094	3.870078	3.700916
MLN	5.005592	5.470102	5.162071	5.570031	5.535264	5.469955	5.363431	5.619193	5.870103	5.179636	5.734717	5.283076
RPAP1	6.922249	6.765724	6.738992	6.877845	6.977861	7.366247	7.26296	6.845227	6.620033	7.064998	6.737731	7.238729
BAAT	4.438391	4.821259	4.736082	5.101658	5.128064	4.753699	5.45671	4.800858	4.338854	4.736082	4.675781	4.685225
PARVA	8.412216	8.238304	8.952538	8.79303	7.11825	7.869316	6.986871	6.965152	8.181284	7.982558	7.039559	7.796578
NFE2	3.606936	4.036596	3.278823	3.418557	3.775015	5.176177	3.702948	3.74224	3.669888	3.316771	3.506648	3.338345
ITPK1	5.939182	6.311367	5.821473	5.798701	5.773588	6.047591	5.726917	5.430733	5.670932	5.279997	5.799941	5.356125
RUNDC1	5.831977	6.2334235	6.652441	6.557113	6.5725075	6.888681	6.678241	6.572864	6.4235905	6.0444915	6.8842545	5.95834
GBP6	2.788757	2.9927355	2.931859	2.8945235	2.708137	2.729633	2.7813055	2.6494325	2.840655	2.677454	2.901748	2.529596
ANGPTL2	7.77757	8.008266	7.83429	7.231306	7.087493	8.319431	6.909291	6.73163	6.518997	6.325734	7.505678	6.66393
PCGF2	7.4417165	7.6986845	7.461042	7.664111	6.750762	6.3409485	6.7454525	6.617823	7.496364	7.191129	7.4620525	7.024217

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
AHNAK	6.699879	7.66377	6.047051	5.514555	5.02557	5.477998	4.750419	4.838577	5.448167	5.340487	5.201125	5.051374
NQO2	6.963061	6.620013	6.1326005	6.2063025	6.6348275	6.970724	7.0341515	6.6112625	6.5762625	7.171046	6.9397145	6.65904
IFIT3	6.983851	6.4283395	6.5057255	7.839962	9.1006325	8.0677025	9.143481	8.9945635	11.97251	8.4409475	11.69099	9.529603
RIT2	2.573525	2.602829	2.708737	3.097851	2.661047	2.547519	2.575233	2.512529	2.505653	2.515055	2.543363	2.585557
GPNMB	7.6443755	7.3526185	7.6896205	7.84212	11.376396	10.051788	11.40494	11.229034	10.5525445	11.349945	10.540246	11.2787345
U2AF1	7.2726505	6.4933325	7.186847	5.981199	6.558325	5.8571195	6.5813955	6.3369275	6.318339	7.1697595	6.252682	7.349127
TBL1Y	3.66076	4.069106	3.973681	3.728649	3.774036	3.74161	4.042427	3.739423	3.445012	3.50609	3.532487	3.765324
AKT1	8.996704	9.238238	8.82438	9.121552	8.77416	9.268354	8.866234	8.350958	7.949053	9.11187	8.52619	9.236537
KIF3A	6.040906	5.398591	5.9010645	5.7185845	6.7555525	8.5597135	7.4681695	6.930762	6.9585065	7.418677	6.919299	7.6071085
CADPS2	4.532374	4.496804	4.088163	5.626687	7.163874	4.426932	5.020356	7.470452	7.692904	5.397424	4.971312	4.575401
PCBP4	7.944839	7.854208	7.790639	8.135925	7.466842	7.190677	6.491472	7.34758	6.769285	7.423226	6.559065	6.733903
GSTA1	4.2146325	4.1145045	4.4427575	4.9190215	4.101881	4.170624	3.940275	4.060976	4.598877	4.5183055	4.3007715	4.4738145
LRRC31	2.814178	2.837368	3.023587	3.074964	3.240316	3.523435	3.208189	3.003778	3.330928	2.729535	2.747111	2.567014
MAD2L1BP	8.64175	8.274572	8.672592	8.532208	8.805292	8.781242	8.987383	8.768736	8.707499	8.037567	9.045615	7.929751
PEG3	3.0763095	2.9498355	3.0465695	3.0326175	2.8501935	2.904761	2.95903	3.286024	5.775906	3.141779	3.163446	2.9511735
OR6A2	3.826174	3.863364	3.542433	3.928174	4.354432	3.864626	3.861995	4.449611	3.916678	3.826966	4.174337	3.364789
LDLR	6.055816	7.240696	6.172913	6.000669	7.117455	7.887148	7.947496	6.939577	6.509722	6.690383	6.03891	5.526913
ODF1	4.971429	5.421795	5.127941	5.547884	5.398367	5.277534	5.338323	5.337365	5.186396	5.043922	5.204014	4.974419
ARHGAP12	6.078966	6.0253745	6.147277	6.0204045	5.931735	5.7161535	5.824591	5.8448085	5.8445845	6.5286575	5.7128395	6.6156125
TRPM5	4.045589	4.137156	4.101468	3.857796	3.51447	3.498272	4.027991	3.605597	3.501003	3.358366	3.610366	3.490201
SLC25A21	2.947309	2.76828	2.914429	3.764236	3.41858	5.809192	3.20599	3.772787	2.965038	2.929763	3.671236	3.59106
ACAT2	8.120569	8.410951	7.631694	8.684051	9.230449	9.510944	10.34781	9.149535	7.997637	8.895048	8.181565	8.819525
OAS1	3.58454	3.855416	3.667723	3.500033	6.9526105	5.916115	8.776917	6.926325	9.6579975	7.90743	10.76674	8.6230875
MRPS18A	7.4225445	7.415117	7.6287535	7.795282	8.4454335	8.6602025	8.8163355	8.4301475	8.2531635	7.9347945	8.8746885	8.037992
TNFSF15	3.394311	3.3922295	3.389326	3.577587	3.7902345	3.930219	3.5821825	3.8013015	3.863785	3.798869	3.6210505	3.409394
TMIE	3.9221705	4.0475175	4.013964	4.1317465	4.1662935	3.883511	4.1528495	4.1402905	4.1254985	4.067594	4.445837	4.092157
RABGAP1	8.821709	8.414748	8.521299	8.297174	8.495237	7.982765	8.109763	8.516661	8.854948	9.240128	8.064687	9.11072
AIG1	5.092384	4.703998	5.2172135	4.2866035	4.172714	4.359239	5.213498	4.2804545	4.817725	5.0739375	3.7915915	5.763371
DCTD	9.738839	9.807182	9.992694	10.04772	9.514221	9.818161	9.499846	9.49106	9.650227	9.244777	10.03743	9.186464
MFAP3L	4.002063	3.234965	3.503144	3.720261	3.064367	3.0601	3.186313	3.147569	3.990288	3.300314	3.935582	3.241518

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
IFNA4	3.996329	4.247449	4.080595	4.209179	4.403267	3.802174	3.934518	4.163336	3.868196	3.879965	3.890008	4.061224
KRT4	4.7328255	4.9718965	4.70041	4.9032155	4.838835	4.7845895	4.681371	4.729523	4.586808	4.587276	4.9806475	4.622675
ATG4A	6.673733	6.112799	6.632016	7.072716	7.308338	7.500608	7.397058	7.572945	7.236367	7.102566	7.405137	6.884918
MS4A2	2.981776	2.9347395	3.236016	3.1626925	3.3108225	3.1452245	3.20062	3.2891185	3.188228	2.9327605	3.3424675	3.218345
OR5P3	3.656685	3.653197	3.336636	3.665902	3.802609	3.443076	3.849426	3.786041	3.746887	3.534873	3.798653	3.78932
MBD3L2	4.113708	4.560539	4.298743	4.586494	4.50541	4.412869	4.592108	4.646403	3.880671	4.255701	4.665221	4.584546
DUSP3	7.593234	7.546124	7.772023	7.496786	7.618384	8.223861	7.464035	7.70721	7.860663	6.585334	7.557927	6.394362
IPO13	6.951777	7.218578	6.842157	7.207469	7.468656	8.101851	7.317081	7.438466	7.002964	7.340388	7.233136	7.266086
UNK	6.056224	6.894304	6.078591	6.357746	5.895914	5.848497	6.034888	5.617991	5.79059	5.967542	6.551089	6.690641
SLC17A5	8.5041905	8.4370535	8.4312915	8.4501795	8.60496	8.15751	7.78961	8.7962825	8.2567395	8.1841955	8.6827565	7.466564
TMEM40	4.089099	4.123209	4.1335435	4.0464825	4.200134	6.1418055	4.034706	4.0942555	3.9804715	3.7867895	3.924958	3.859568
ZNF157	2.712503	2.333269	2.472153	2.643149	2.382227	2.413997	2.584728	2.47277	2.591834	2.664779	2.663239	2.526928
RNF123	7.3386445	7.541286	7.336783	7.0987225	6.913895	7.7796875	6.943432	6.9909155	6.892731	7.0020805	6.867878	7.0679245
PAQR5	7.020992	6.839007	7.467883	7.823369	4.514015	7.786202	5.5262535	4.769568	4.641284	4.6277855	7.101408	5.927121
ALCAM	8.243332	7.5730405	7.684167	8.128956	7.3228585	7.850589	7.090248	7.6438885	7.444024	8.1223315	7.3360195	8.780758
GLTP	8.7303235	9.123137	8.975489	9.5562275	8.777318	10.440663	8.301223	8.8406465	9.133277	8.4489905	9.9398645	8.2311455
OSBPL6	5.582017	5.996235	5.474241	6.134528	8.071787	6.35137	6.783375	7.979808	6.793712	7.573491	6.451822	7.977799
SPAG4	8.500242	8.75671	8.827567	8.596378	4.923004	4.635406	4.646413	4.306983	6.681601	4.277148	4.175319	4.672819
TSEN34	9.266853	9.3018	9.278501	8.827201	9.685361	9.023176	10.07169	9.74298	9.408021	9.540638	9.523828	9.21643
TULP3	8.845748	8.7078995	8.550888	8.466474	7.570186	7.2189715	7.756811	7.5234515	7.499229	7.570207	7.467924	7.661079
PMM2	7.793489	7.531335	7.802946	7.485671	7.003723	7.411469	7.194454	6.819383	6.94275	7.051031	7.452597	7.361069
HIST1H2BL	3.529844	3.346279	3.581952	3.838205	3.703509	3.789531	3.745138	3.580782	3.778657	3.411236	3.774994	3.565094
SMC4	9.941051	9.938808	9.492458	9.52706	9.136717	6.238756	9.79348	8.764392	7.857183	8.478959	6.097421	8.088607
MRPL13	9.514915	9.355651	9.335042	9.553612	9.94667	9.837393	10.16103	9.877604	9.492939	8.4444	9.65135	8.140002
TWISTNB	5.67533	5.5588235	5.9184915	6.2558665	6.6641995	7.406928	7.3179095	6.669966	7.264683	6.022228	6.6010235	5.786846
VPS16	4.267205	4.237555	4.083614	4.168412	4.265244	4.299152	4.225101	4.225101	4.100199	4.090744	4.436635	4.035442
MAFG	6.257735	6.674841	6.3598195	6.260186	7.190567	7.0404695	6.8726485	7.118558	7.9889345	7.6218805	7.9628625	7.549309
ABCG8	4.769141	4.855983	4.814881	4.897161	5.028188	4.974422	5.087375	5.028188	4.769141	4.484736	4.589049	4.500405
ELOF1	8.127226	7.680919	7.932197	8.183606	8.594398	9.246437	8.611151	8.414933	8.592694	8.319598	9.046411	8.355366
EXOC7	7.705838	7.940014	7.806633	7.602388	6.841032	6.572014	6.444991	6.716344	7.097677	6.718005	6.430182	6.575572

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
TNFSF11	3.08454	3.138321	3.0404715	3.0620175	2.9613735	3.1169035	4.9160745	3.0332285	2.9871265	3.2182625	2.9755805	4.890153
CYGB	6.899791	7.596986	6.765687	7.087439	6.448779	5.499964	5.618127	5.588243	5.892124	5.365085	5.501186	5.49969
METTL3	7.426962	7.13095	7.190967	6.599025	7.460796	7.032259	7.45927	7.472031	7.136836	7.958552	7.577197	7.935132
LIM2	4.880203	4.677561	4.768314	4.67477	4.761134	4.491344	5.003036	4.712901	4.316572	4.298292	4.961353	5.176163
XPNPEP2	4.4259685	4.843975	5.0445345	4.687626	7.376702	6.540063	5.5066115	7.1936345	4.0617445	5.332014	7.4841285	7.1879495
BCAT2	6.4331725	6.8874635	6.704688	6.7315925	6.458148	6.528874	6.385377	6.344138	6.562832	6.4227375	6.501703	6.4481485
EXTL2	8.949003	8.289279	8.545094	9.287958	9.261295	8.462103	8.593492	9.11663	9.34906	9.320612	8.130293	9.263193
SIRPD	4.593999	4.57542	4.22016	4.587531	4.106634	4.164305	4.086906	4.523845	4.139586	4.172271	4.309646	4.243858
MIXL1	4.227015	4.453021	4.430995	4.302856	4.21009	4.395926	6.652159	4.537691	4.399065	4.260434	4.319199	4.245731
POLD1	7.443635	7.728195	7.321104	7.186487	7.394263	6.627144	8.614763	7.267931	6.70381	7.937212	6.288588	7.885036
LAD1	5.0768275	5.2331065	5.257253	5.186744	5.093445	5.1741075	5.09282	5.2632595	4.9328775	4.7135285	5.2192715	4.9877135
MBL2	2.480816	2.581179	2.430358	2.570369	2.478522	2.436082	2.279467	2.566209	2.633718	2.647899	2.522283	2.504712
PPARGC1B	4.129513	4.449137	4.498553	4.503659	4.836463	5.017948	4.915068	5.066664	4.61991	4.780212	5.454311	4.929353
CRISP2	2.547557	2.866085	2.668191	2.787897	2.830331	2.898062	3.063803	2.739331	2.749077	2.983439	2.813447	3.038498
CAMK2N1	7.921759	7.187842	6.976897	7.552025	7.150956	9.008169	6.895825	7.800193	6.843877	5.980685	7.671293	8.202266
COG7	7.785825	7.761729	7.552709	7.043175	6.612953	6.952253	6.676884	6.693148	6.885353	6.579934	7.10066	7.198104
LPIN2	8.2656875	8.3371425	8.795342	8.0686245	7.625506	7.406839	7.599294	7.5712895	8.062021	7.5627905	7.447291	7.051183
PLD5	2.78002	2.8310965	2.784478	2.847687	2.734705	2.7322825	2.7385855	2.703804	2.8195585	2.6709585	2.9514385	2.882619
IRX4	4.179979	4.77409	4.579419	4.216517	4.403222	4.407928	4.026161	4.128105	4.772847	4.183116	4.246486	4.515257
EHD1	7.622	7.722652	7.71094	8.14475	7.357736	9.162671	7.368005	7.276777	7.357915	6.953761	8.32128	7.309706
NLRP8	4.94645	5.365276	5.271535	5.431686	5.449928	5.389056	5.396673	5.610555	5.464608	5.596642	5.534795	5.445002
BRCA1	7.0343065	6.8888165	6.7392005	6.956679	6.8961315	5.528713	7.1142035	6.6262985	6.570882	6.5768925	6.0924365	6.346126
UMODL1	2.751698	2.470436	2.313947	2.38686	2.386553	2.723215	2.313947	2.623171	2.526512	2.708302	4.836382	2.372973
ACTR1B	8.521272	8.963861	8.728283	8.743252	8.369066	8.500708	9.023786	8.289093	8.228676	8.399984	8.100602	8.58491
GALP	2.853115	3.365822	3.335473	3.017748	2.854653	3.003758	3.088747	2.995034	2.877502	2.783065	2.830331	2.661228
CEACAM8	2.74446	2.548004	2.920746	2.580205	2.453537	2.302497	2.419705	2.491073	2.54752	2.300828	2.698249	2.336337
PCDHGB6	2.8941	2.889826	3.307914	2.814003	2.800581	2.579127	2.55856	2.808395	2.935391	2.859426	2.715964	2.727596
TSR1	7.929347	8.0163705	7.696028	7.9916745	8.5629465	9.045889	9.061844	8.423588	7.8122645	8.45352	8.702086	8.663335
KCNA7	3.92839	3.92839	4.014654	4.010299	3.814847	4.044269	3.909534	3.863364	3.933359	3.877949	4.111541	4.028078
SGK2	4.087655	4.5870065	4.447573	4.457077	4.323735	4.1773875	4.0855885	4.336958	4.4853705	4.429132	4.3252645	4.1978485

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
CHTF18	6.459583	6.538789	5.9808	5.627456	6.188355	5.245701	7.031689	6.01294	5.299561	6.511405	5.413589	6.617425
ILKAP	7.181723	6.806932	7.48104	7.792008	8.177003	8.236388	8.495968	7.995771	7.884857	8.113052	8.354379	8.343415
VPS37D	6.510948	6.768297	6.475179	6.317115	6.006675	6.078819	5.736784	6.118117	6.202937	6.632097	6.37187	6.33867
ZNF174	5.372033	5.409635	5.928706	5.533805	6.463834	6.427659	6.128789	6.465831	5.813197	5.530509	6.063004	5.562171
PTCRA	7.033863	7.317387	7.119801	6.842472	7.088747	7.029749	7.173088	7.118339	6.969552	6.632279	7.241618	6.634374
ZFP37	5.890413	4.860905	5.488744	5.933604	5.654481	4.844527	5.992131	5.37278	5.718673	6.582422	4.206012	6.282986
MTTP	2.933766	2.859781	2.72487	3.021251	2.92446	3.052936	3.202433	3.048002	2.865503	2.879374	3.020992	2.943082
RPL13	3.824584	4.008817	3.949295	3.828554	4.733028	6.562339	4.930799	4.1027	4.672275	4.029173	4.45483	4.258383
TMEM126B	7.2512475	7.1482285	6.954445	7.20188	7.746449	8.0805535	7.748278	7.55515	8.157049	7.1230495	8.177091	7.059552
RHBDD2	7.5526265	7.337778	7.2823135	7.6349225	8.1221215	7.65238	7.797238	8.0212715	8.4646015	7.8459715	8.158485	7.1463825
MCRS1	7.939526	8.001407	7.615289	8.292989	8.360283	8.328526	8.609351	8.156078	7.749135	7.519567	7.912992	7.359912
ECE1	7.996373	7.8305585	7.763812	7.7008655	7.3957525	7.710977	6.818076	7.270095	7.4548295	6.8369815	7.5181205	7.394377
TNP1	5.304172	5.632355	5.402073	5.234686	5.200747	5.168695	4.972006	5.307631	4.963415	4.89265	5.208043	5.012475
LPXN	7.4851	7.140911	7.326986	7.085022	5.7637555	5.2320715	5.6929685	5.868508	5.4672985	6.0482655	6.286598	6.2227115
IQCD	4.201364	4.843609	4.464548	4.256414	4.882083	4.325876	4.31375	4.79649	6.041715	4.874451	5.18735	4.082844
CENPO	6.513742	6.232369	6.28875	6.7136735	6.048935	5.470634	6.62484	5.971511	5.849485	5.929545	5.916513	5.9392815
BCL2A1	6.579942	6.360416	5.691494	4.990014	3.005863	3.234223	3.320352	2.923825	2.962085	3.8046	6.689053	6.610057
TRIM28	9.930367	10.3949	9.716819	10.11994	9.800354	9.313789	10.26074	9.505691	8.833987	10.23634	8.771908	10.21929
MYO1F	5.599962	5.966136	5.659241	6.002685	5.858342	5.265814	5.34693	5.972435	5.590859	5.219199	5.549317	5.225826
ZMAT1	2.7778985	2.7628795	2.88044	2.528407	2.713959	2.7663945	2.9289965	2.755857	4.3548715	4.995026	2.6977535	5.1595195
SEMA6C	5.164865	5.408982	5.267642	5.194282	5.194282	5.031425	5.018812	5.114905	4.818151	5.70796	5.352894	5.156365
PDE1B	5.662548	5.793371	5.592506	5.178253	5.369632	5.194329	5.617341	5.463727	5.230181	5.325647	5.528108	5.107343
CCNE1	5.5958305	5.642874	5.8666965	5.620029	6.1589405	6.590889	6.4870305	6.0854765	5.9311545	5.7216345	6.385175	6.1151535
IDUA	5.402263	5.953641	5.78486	5.433942	5.494985	5.385142	5.297869	5.470042	5.954444	5.221983	5.506896	4.820386
ASPSCR1	6.557438	6.903356	6.408215	6.862482	7.390545	7.485927	7.168252	7.119784	7.283859	7.40734	7.687666	7.180882
RRS1	8.66037	8.24646	8.967278	8.917482	9.270021	10.03626	9.924072	9.250809	9.670985	9.370205	10.18195	9.518003
MYH7	4.102704	4.294331	4.442315	4.597573	5.154808	4.882722	4.851469	5.027677	4.620042	4.437433	5.00475	4.271764
PCDHB9	5.026161	5.149757	4.87709	4.855869	4.484036	4.5442	4.358562	4.408959	4.392946	4.539399	4.281297	4.391105
RCC1	7.5303705	7.8059295	7.418415	7.373541	7.5769925	8.096947	8.406519	7.0766105	6.92203	6.3266885	6.5890175	6.573677
UROC1	3.277419	3.727376	3.523403	3.647897	3.376816	3.360412	3.388443	3.481539	3.320743	2.997417	3.21994	3.059546

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
FANCD2	4.003479	3.996065	3.9504265	4.1045925	4.8363215	3.5098665	5.004365	4.5376025	3.8664335	4.307112	3.979137	4.1772145
NUP160	6.535367	6.256362	5.721919	5.30447	5.144683	5.894552	6.402964	5.31639	5.857324	4.978386	5.165438	4.931019
ZNF77	5.3980155	5.343978	5.225977	5.275547	5.486355	5.5009495	5.641398	5.379559	5.808531	5.5785965	5.7236875	5.2893915
SMURF2	10.62931	10.37576	10.20734	10.2128	7.765218	10.26139	8.94826	7.74679	10.22207	8.761767	9.179033	8.801126
PFKL	8.392984	9.03506	8.790464	8.949076	8.15231	7.786268	7.76271	7.675287	7.205869	7.567324	7.231715	7.401986
HIP1	6.2003285	6.2404035	5.7508525	5.682364	4.859856	3.471513	4.0174085	4.6073605	5.0266345	5.131876	4.7996175	4.675245
TRIM32	7.347081	7.1218845	7.605131	7.091028	6.940959	7.861709	7.0118705	6.859705	7.5032665	6.288558	7.22558	6.6168055
CARM1	8.29467	8.725403	7.577642	8.216091	7.713558	8.315525	8.343184	7.371444	7.918318	8.329242	8.135822	8.541316
TNFRSF10D	7.2064375	7.6822455	7.720935	8.0612855	7.312788	10.4584245	6.8995485	7.6638515	6.6897285	5.933871	6.2715565	5.493786
LSAMP	3.9144605	4.3096675	4.200225	4.754552	5.9505735	5.02271	6.0180265	5.7078375	4.234678	7.5563595	5.187543	6.78167
RALY	8.531008	8.710232	8.303665	8.397669	8.418728	8.384938	9.096271	8.307627	8.592051	8.881043	8.664617	8.766061
NAGA	7.84706	8.136572	7.964548	7.790208	7.145505	6.892282	7.525156	6.978681	7.000894	7.575938	7.37962	7.026982
SH2D4B	3.40903	3.413905	3.289778	3.846982	3.470977	3.653122	3.465462	3.595067	3.846463	3.239582	3.381429	3.384803
LRAT	2.942097	2.667225	2.64881	2.45288	2.881506	2.676564	2.606819	2.549038	3.071441	2.75503	2.979623	2.841544
GDA	4.0323705	3.6634945	3.929037	4.0470475	4.8782845	6.6105765	5.394471	5.031289	3.8935585	4.7317335	3.913564	4.5438495
ATP13A5	3.7466245	3.9028395	3.993366	3.835309	3.658514	3.681627	3.6873495	3.6576055	3.7291515	3.7081695	3.719394	3.5948335
NAV3	6.364861	6.81164	5.863147	5.389792	4.365605	4.259216	5.116768	4.533065	4.24434	4.93131	4.386736	4.925156
PTCHD1	2.9914345	2.9910285	3.094441	3.11375	3.244398	3.1667865	3.0478325	3.183472	3.118493	2.9171865	3.2814985	2.870941
DHX29	8.114642	7.472166	7.6580255	8.1092215	8.2306575	8.2717635	8.3990445	8.4730855	7.948698	8.0499025	7.982307	8.2225875
WFDC12	5.887719	5.794417	5.801435	6.097178	6.295896	5.618972	6.132745	6.007491	5.338037	5.475913	5.754291	5.512186
CTSC	7.967239	7.7927345	7.915184	8.1602825	8.971084	8.9531865	9.0589855	8.8280395	8.1572485	8.261105	8.2754105	9.0148255
IL2RB	5.870634	6.087534	5.749214	6.060751	5.991454	8.814062	8.227615	5.739959	5.695305	6.944346	6.187477	9.64679
SMR3B	3.258065	3.174422	3.113377	2.94371	3.088569	2.884426	2.740369	3.139284	3.05237	2.953073	2.746533	2.78901
CLEC4M	3.455985	3.735381	3.8500945	3.6389605	3.780675	3.600108	3.574659	3.444638	3.7315605	3.555863	3.6691945	3.3616415
MLLT3	4.74297	4.409853	4.889785	5.570168	5.867604	5.946959	6.312661	5.626649	6.036461	7.115475	4.668928	5.987671
TSPAN11	5.560338	6.201513	5.474533	5.96931	9.291265	6.65468	6.097823	8.752387	5.819636	6.362651	7.448375	7.15282
CA12	10.8864	10.7738	10.2023	10.7543	6.808145	8.390496	7.833226	6.539393	7.294915	8.250975	8.448895	8.230306
FAM24A	3.548183	3.396215	3.451522	3.679377	3.413302	3.812618	3.288045	3.360641	3.202732	2.982324	3.392841	3.163418
SFTPA2	4.675428	4.813331	4.261929	4.954201	5.371871	5.57373	5.162733	5.333352	4.830489	4.757052	5.121596	4.974914
BLZF1	5.206717	4.67918	4.943839	5.4291625	4.910229	5.8154235	5.167807	4.9802465	4.9693935	4.652683	4.7453885	5.3357015

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
PANK2	4.229878	3.957627	3.825787	5.092546	4.813286	4.738285	5.042006	5.045032	5.111343	4.960843	5.637239	5.047554
TYRO3P	4.3576035	4.6232965	4.2511845	4.3588755	4.3129825	4.232946	4.2332185	4.2871175	4.299487	4.2917765	4.150989	4.1222085
NKX6-2	4.277384	5.161288	4.206876	4.666063	4.826792	4.826499	4.471966	4.88553	4.664651	4.517046	4.917606	4.782752
PDHB	10.173878	9.873235	9.9672225	10.080845	10.490075	10.3776505	10.56093	10.60291	9.572867	9.781203	9.7828755	9.732615
TEP1	5.786138	5.0992585	5.8047755	5.2473765	5.9819935	5.7234625	5.4916835	5.9780055	5.6866535	5.8045815	5.987436	5.9687755
RBPMS	6.4153285	6.891191	7.0728505	6.091269	3.527648	4.063426	4.5067995	3.935356	5.5058545	3.966372	4.15061	3.727614
BAZ1B	5.378804	5.762157	5.663777	5.1798035	5.4951565	5.601782	5.723576	5.333623	5.6913945	5.2036295	5.3508955	5.3066055
TRAF7	7.370656	7.614262	7.567211	7.368961	7.145326	7.479338	7.115494	7.173358	6.422131	7.16745	6.987935	6.467603
ABCB9	4.74581	5.37357	5.094211	5.738938	5.072553	5.296639	5.189348	4.834368	4.848794	4.85295	5.083745	4.911337
SLC25A24	7.4363295	7.540373	7.2538765	7.6828165	7.1416825	7.046099	5.5980875	7.1774835	7.7399755	5.7100305	7.039031	6.1497285
IFNA8	2.891263	2.670022	2.683118	2.762967	2.868694	2.605212	2.849936	2.634838	2.739277	2.789337	2.727707	2.571703
A4GNT	4.276822	4.563725	4.541699	4.763611	4.770419	4.730197	4.881366	4.764616	4.657176	4.530772	4.833153	4.937509
PRDM10	6.318412	5.7588245	5.8060105	5.955512	6.4449195	6.4667595	6.573613	6.3234305	5.9301875	6.141015	6.0817455	5.9801415
GTF2H4	6.893702	7.063314	6.726605	6.92353	7.239623	7.533531	7.736106	7.219419	7.443439	7.658579	7.787658	7.188551
SEC24D	6.609856	5.849864	7.104929	5.267512	4.547489	3.948578	4.684154	4.442322	4.816416	6.035359	4.306878	6.273256
RNF135	8.743256	8.3410795	8.605823	8.607713	8.4200505	8.665784	8.3220785	8.366624	8.0803975	8.1088955	9.2150495	8.1612835
AKAP9	3.378564	3.6854	3.277723	3.15846	3.116362	3.121447	3.476449	3.280034	3.915069	5.469986	3.101514	5.423193
COL17A1	4.275647	5.366406	4.458822	4.848234	4.841403	5.16274	4.860728	4.860728	4.394032	4.318802	4.48701	3.943001
CHST3	7.822927	7.463002	7.819436	7.958678	7.329032	8.706582	6.416355	7.361422	7.739304	7.65696	8.669729	7.764921
SLC30A6	7.413813	7.077858	7.265584	7.304377	7.666422	7.863082	8.009828	7.735489	7.678932	6.664148	7.574582	7.047571
ALS2CL	6.210964	5.906573	6.219538	6.452581	5.753289	5.571614	5.761112	5.845654	5.747013	5.752945	6.044621	5.721138
PTPRD	2.9726845	3.1425975	3.022417	3.100219	3.43593	2.9648955	4.174659	3.464116	3.147017	6.784446	2.9524205	7.467433
SYNPO2	4.221223	4.482016	6.079563	4.929811	5.829829	5.880602	6.473472	6.056553	5.831934	6.295238	5.121187	6.090485
C1RL	6.8924995	6.9400545	6.987846	6.298611	7.066804	7.0024755	6.7897505	6.8618695	7.217123	6.95713	6.60083	7.011262
LAMC2	5.295588	4.462731	4.535965	5.2679765	4.159727	5.046073	3.930861	4.1352565	5.3959205	3.869894	4.549157	4.3506675
MRPL32	9.995698	9.757348	9.994236	9.98833	11.00994	10.97796	11.22052	10.94867	9.857469	10.55092	11.03016	10.52104
MAGEA12	3.252669	3.197621	3.018241	3.019547	2.979975	3.209038	3.080828	3.089708	2.91032	2.926309	3.137627	3.137481
PSENEN	7.047576	6.764971	6.346392	7.303339	8.408496	7.750472	7.567858	8.381865	8.502144	7.678498	8.635566	7.468718
SYT11	6.961202	5.616143	6.171876	7.13811	5.363671	4.696836	5.316961	5.103439	6.751878	4.764668	4.360368	4.519073
ADCYAP1R1	3.534223	3.95049	3.85265	4.051002	3.86938	3.994249	3.912863	3.739423	3.646059	3.8642	3.865041	3.42521

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
TIGD6	3.023654	2.613032	2.658058	3.282905	3.346044	4.578779	2.945578	3.069437	3.124004	3.265177	4.407755	3.112571
IL17RE	4.413899	4.4932155	4.100918	4.2048855	4.332489	4.267463	4.3891325	4.3761465	4.28331	4.075198	4.221132	3.893158
PHC1	7.2037605	6.7744005	7.1930155	7.046086	6.7944965	6.2079835	6.3819215	6.7913485	7.9173535	7.8044705	7.100089	7.3429095
SPI1	3.978404	4.27447	3.7223	3.759707	3.564687	3.552303	3.479424	3.455379	3.16747	3.333365	3.532625	3.581079
CD163	3.951782	3.783737	3.933015	3.836707	6.073762	6.832263	5.995233	6.201446	3.703395	3.831288	3.891931	3.97698
SDAD1	4.361125	3.850096	3.774689	4.791489	4.842522	6.039001	4.898363	4.88942	5.649113	4.497561	5.694413	5.419299
RGMA	5.262522	5.6269325	5.4861255	5.688708	5.691538	5.4200045	5.427953	5.64727	5.3337335	6.414818	5.649558	6.2270785
FKBP1B	7.142187	6.719201	6.881402	7.363317	7.906843	6.617159	7.240231	8.049485	7.778201	6.45286	5.733491	7.127168
ARIH2	6.906266	6.649027	7.01697	7.393741	7.168141	7.439801	7.789926	7.082444	7.670832	7.030961	7.776768	7.184431
NUP62	6.342607	6.911717	6.125051	6.61498	7.261272	7.27594	7.867644	6.814186	7.131214	6.717337	6.765757	6.764347
CFD	5.665033	5.439073	5.794417	5.417149	6.834111	8.276899	5.996643	6.6206	6.022448	5.359923	7.3627	7.119961
TCHP	7.0319895	6.611846	6.635531	6.81217	6.608345	6.679573	6.7777135	6.599946	6.478756	6.5298245	7.214509	6.326316
RERE	3.770609	4.308756	4.264863	3.754794	3.95689	4.208118	4.090976	3.744721	3.848393	3.581165	4.077581	3.994718
GPR82	2.612608	2.472762	2.324527	2.437404	2.359897	2.291378	2.277421	2.313145	2.464651	2.391955	2.356444	2.315092
METAP2	7.617127	7.288121	7.177417	7.938137	8.623544	8.8801	9.286345	8.513103	8.409242	8.778337	8.030987	8.896333
TAP2	5.550749	5.3146575	5.5753785	5.756051	6.764112	7.5577075	6.942634	6.6748635	8.2595795	5.7887745	7.174711	5.983068
LRRC37B	7.23299	7.205624	7.768617	7.28968	7.140972	6.105789	6.857132	7.193079	7.327075	7.374313	7.191278	7.585691
FGF18	4.645896	4.8810325	4.596509	4.852004	6.063429	5.996068	4.947155	6.106864	4.8502815	4.2771075	6.084054	5.318232
REG1B	4.242473	4.152782	4.412418	4.103165	3.97307	3.653122	3.713183	3.863363	3.590199	3.52773	3.554414	3.503685
WDR72	3.6936135	3.483523	3.31322	3.8274035	3.5437395	3.3495705	3.66976	3.3454685	3.4590445	3.1756455	3.5346085	3.448551
PFKFB2	4.406583	4.2056045	4.6726125	4.74465	5.3133855	5.5007985	5.241197	5.296762	5.35945	5.3251675	5.6191585	5.166563
SLC39A7	6.467602	5.827133	6.113087	7.914721	7.480758	8.793819	7.760852	7.307436	8.274043	7.189762	7.5432	7.215935
SHBG	5.557206	6.027524	5.764585	5.63181	5.599527	5.942561	5.707202	5.779815	5.579379	5.895791	6.189917	5.644908
TTC17	7.1897665	7.5430255	7.5988155	6.5403285	6.5291815	6.3798275	6.6718705	6.3643255	7.388248	7.705407	6.8161265	7.7596945
KLK11	4.669409	4.813488	4.732049	4.347487	4.701149	4.796544	4.58816	4.496776	4.455703	4.209609	4.517202	4.312766
SLC25A14	7.6512685	7.4903805	7.354358	7.9215775	7.826106	7.7132795	8.077965	7.9187895	7.674126	7.452787	7.76017	7.2338285
PDK1	7.146246	8.364134	7.418148	7.180147	5.741782	5.579995	6.280886	5.818049	6.133246	6.201246	5.626966	5.239387
MAL2	2.752151	2.52041	2.800408	2.625508	2.652206	7.350792	6.895656	2.593906	6.067879	3.943811	2.970847	7.343177
GTF2B	9.151753	8.658479	8.852558	9.032843	9.800077	9.653091	9.482718	9.759209	8.763556	9.103348	9.692839	9.280386
PSTPIP1	4.691882	4.564872	4.775285	4.807699	4.607309	5.25795	4.61389	4.698815	4.637808	4.24614	4.756715	4.064009

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
TAS2R50	2.611668	2.619195	2.932343	2.958164	2.846688	2.699988	2.958164	2.859628	2.74421	2.806901	2.714239	2.659705
PRX	4.23574	4.3250645	4.193461	4.301409	4.4787805	4.6983165	4.428005	4.5363995	4.5717635	4.4878525	4.297883	4.5067895
CLEC4A	3.6579035	3.7262145	3.471171	3.5833855	3.6409565	3.453962	3.7152295	3.652181	4.1236325	4.3120545	3.9457265	3.7121105
PRRT2	6.117936	6.648665	5.978362	6.057614	5.434013	4.634066	4.607466	4.991833	4.515153	5.719313	4.412947	5.239978
THOC1	8.746195	8.45251	8.84267	8.483798	8.982433	8.632789	9.109759	8.864443	8.28908	9.481641	8.617161	9.562904
FBXO16	3.388313	3.190714	3.74614	3.559875	3.409545	4.323709	3.318469	3.360572	4.529041	4.884134	5.378313	3.645221
BLCAP	5.471824	5.504196	6.7753985	5.769073	6.090387	5.9341715	6.009987	6.459715	7.8965165	7.5823855	7.55336	7.5803825
LAMA3	4.260067	4.2019035	4.471392	4.524645	4.4439115	4.4142355	4.6491855	4.3947165	4.189545	4.3677875	4.2813435	4.524941
ARG1	3.3872305	3.292848	3.3294015	3.017828	3.336563	3.36045	3.3400225	3.355421	3.242583	2.925699	3.377288	3.625287
RANBP1	5.6661	5.618392	5.389983	5.731803	6.056156	5.435157	6.132033	5.989255	5.815309	5.516368	6.029664	5.537628
SLC43A2	4.9406385	5.0000555	4.755325	5.03195	5.994295	6.6127585	5.699061	6.0910735	5.007609	6.20161	6.639698	6.3860065
USP15	6.640167	6.57151	6.1712045	6.87246	6.8667285	8.0186365	7.5924915	6.8895915	7.9315275	7.015424	5.916166	6.8692875
SCGB1A1	3.850706	4.005175	3.902897	3.782595	3.910783	3.77379	3.840296	4.00778	3.920303	3.806043	3.950562	3.75282
KCNAB2	5.4538125	5.8194725	5.404519	5.4901425	5.7625455	5.187773	5.6187845	5.680987	5.562547	5.835709	5.6726395	5.795671
HLA-DPB1	5.064396	5.0706515	5.1737125	4.808534	4.446679	4.244599	4.7395445	4.208886	4.870322	4.4192165	4.6100475	4.2103215
SLC9A1	7.74635	7.738116	7.10952	7.700104	4.408458	4.508949	4.351301	4.524787	6.316376	4.609766	4.594891	4.324277
RASGRP4	4.197383	4.358757	4.169855	4.026762	4.1642785	4.170457	4.1224075	4.280569	4.320306	4.1414545	4.1017125	4.2394965
LLGL2	4.35643	4.6078835	4.537515	4.6391245	4.5162265	4.979295	4.6189965	4.5121325	4.5952595	4.7808645	4.822914	4.373332
PTP4A3	5.241603	5.152295	5.071155	5.138916	5.213743	5.32566	5.381315	5.247034	5.110598	6.711824	5.504484	5.27729
SLC7A11	7.139345	6.449345	9.311649	7.831961	6.440969	7.625762	5.291067	6.667278	10.86473	8.565036	8.6821	8.738829
TIAM1	6.3755	6.215626	5.888395	6.420454	5.036852	7.9858055	5.937814	5.132124	6.1961825	5.403607	6.3888475	6.80557
PIGQ	5.9842835	6.1907645	5.8500145	6.368953	6.088393	5.9944215	5.6072165	5.903527	5.964719	5.862166	5.7522525	6.099794
PITPNM3	4.9723165	5.237949	5.108413	5.692306	5.0569265	5.0218885	4.4853155	5.1082115	4.5571795	5.7177805	5.0179625	4.745662
PMP2	2.612295	2.7214245	2.7736865	2.5195265	2.599911	2.8212225	2.6134205	2.718218	2.7412525	2.761856	2.609721	2.789895
PLEKHG2	7.146959	6.876392	6.974291	6.617261	5.875271	5.139853	5.551391	6.214235	6.579898	6.538297	5.262075	6.506855
SH3RF2	3.6785095	3.85117	4.1041365	3.949818	3.6876855	4.5286765	3.7974455	3.760624	5.0318225	3.5863345	3.770757	3.5286175
CSNK1D	6.4423265	6.838988	6.6229815	6.337671	6.1525675	6.3970305	6.1122095	6.2110515	6.3893645	6.0131005	6.3650625	5.9846985
CALB2	3.74956	4.121772	4.460293	4.354854	4.160377	4.019489	4.356725	4.107735	4.815062	4.096846	4.563372	3.75224
KCMF1	6.4448955	5.7900035	6.218237	6.586869	6.0690445	6.1452535	6.172326	5.848634	7.05641	6.0878855	6.8091965	6.2509605
ARNTL	7.4800285	6.8243285	7.5622495	7.18551	7.5936935	7.0191035	7.1070595	7.6801075	7.4420765	6.9768335	7.8397705	6.437612

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
GRB7	4.889682	5.358155	5.17801	5.417208	5.283089	5.104277	5.578494	5.653238	5.502514	5.103977	5.483217	5.266786
E2F1	6.4151425	6.555184	6.365666	6.5281515	6.0894915	5.6094485	6.6264745	5.809853	5.7678725	6.058128	5.7684985	6.153232
LASP1	11.52695	11.50772	11.7626	11.99191	10.89836	11.17165	10.33339	11.09913	11.00277	10.63436	10.73685	10.57836
HOOK1	2.9209385	3.0325225	3.102295	3.220398	6.226859	5.588388	9.4894155	6.36748	3.82501	7.2529475	3.0243125	6.866107
GABBR1	6.4775945	6.192811	6.4441755	6.129904	5.038167	4.8499265	5.7667455	5.270505	5.77094	6.717526	5.5830485	6.550064
RORC	5.4065075	5.772945	5.6462355	5.2669375	5.297921	5.209326	5.380566	5.2298495	5.323587	5.334897	5.5038855	5.330898
PFDN1	9.070851	8.708778	8.998901	8.8775	8.985899	9.193745	8.902569	8.91025	9.306971	8.7889	8.92047	8.813804
ZNF99	2.5358935	2.292018	2.587469	2.4281385	2.306891	2.4094765	2.3822445	2.252776	2.393676	2.3660705	2.3408785	2.3710365
FAM9A	2.451097	2.730927	2.62134	2.639619	2.513488	2.535523	2.555716	2.448096	2.427868	2.51977	2.539963	2.503716
SLC6A20	3.4251155	3.6612585	3.670439	3.704468	3.737244	5.963859	3.801255	3.877522	3.7730125	3.79772	7.134067	3.622226
STX12	9.524474	9.2854675	9.600268	9.6870415	9.3656485	10.49209	9.034431	9.5412795	8.922127	9.1180655	9.573928	8.952141
GGT1	5.75997	5.798288	5.719188	5.828436	5.991492	5.509197	6.074266	5.720317	5.409503	5.89502	5.75997	5.729115
AADAC	4.354753	4.263307	3.760278	4.16769	4.10307	4.005702	4.269555	4.313971	4.004107	4.097745	4.016744	4.09622
CYB5D2	7.974122	7.889959	8.114066	8.062039	8.194902	7.985384	7.589822	8.227369	7.989302	7.455241	7.950417	7.013819
PPP3R1	6.373792	6.135662	5.9879155	5.9959635	8.864754	9.434178	9.4042585	8.6924125	9.8056695	7.6850375	8.48495	7.432407
ANKRD39	7.112467	6.914633	6.676678	7.166341	6.735393	7.125842	7.401141	6.639287	6.767483	6.957949	7.193934	6.789272
IL17RD	5.023569	4.8655025	5.338001	5.01146	5.213557	7.043267	6.4657885	5.300468	4.0419725	7.0151985	4.412786	7.289035
UROD	9.569065	9.338735	9.248828	9.702207	9.800736	9.816031	9.801477	9.843685	9.736522	9.239944	9.941512	9.283057
SEPHS2	9.233701	8.620645	9.342513	9.564266	9.615682	9.408995	9.710174	9.598575	10.38134	9.228297	10.45581	8.973937
TSPAN13	10.21775	10.42142	9.023935	11.10705	5.350832	8.293507	6.479547	5.784312	7.391935	7.51689	3.944916	5.221225
RRBP1	7.522162	8.146126	8.30683	7.835745	6.323534	7.523982	6.528182	6.372897	6.799232	6.481214	6.674104	5.983466
TBCD	5.3098005	5.4127505	5.230157	5.405243	5.383387	5.4945065	5.658057	5.3091585	5.249154	5.2827945	5.436251	5.372241
NT5C2	7.336726	6.6701905	7.338216	7.199157	6.564324	6.8607085	6.2929855	6.591812	7.303151	7.101457	7.296523	6.9864915
CMKLR1	4.850149	4.771852	5.202127	4.771042	5.144305	5.996977	4.820187	5.088446	4.763127	4.623028	6.171207	5.170851
SOCS4	6.6732635	6.2619735	6.6672225	6.365788	6.4204755	7.10464	7.046832	6.5729285	7.0662365	6.2074565	6.024844	5.9733695
MAN1C1	4.3045735	4.1191555	4.679259	4.0614815	6.549513	5.163491	4.3461495	6.9311235	5.287766	7.426883	5.26636	7.6883705
EPS8L3	4.930457	5.531998	5.369524	5.412631	5.700449	5.574793	5.547445	5.741473	5.376721	5.423593	5.578871	5.18875
LGI1	2.522828	2.923682	2.803624	2.86478	3.23053	3.792997	3.097022	3.346715	3.021836	3.243709	2.659251	3.962584
MRPS15	7.0993275	7.2333845	6.9132755	7.3915345	7.3864955	7.6402025	8.134993	7.685826	7.0614545	7.1798775	7.973897	7.5590935
DLC1	4.978868	4.742884	5.299876	5.000705	3.900519	3.820414	3.439726	3.890748	5.33365	4.057624	3.741623	3.570086

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
CLSPN	4.1386005	3.7223745	3.84637	4.019565	4.08603	3.26876	5.5402565	3.848853	3.4492595	3.673664	3.39699	3.8337545
GNAS	9.012395	8.821174	9.05508	8.1855975	9.084231	9.616266	9.39951	9.135655	7.868046	9.5854595	8.3324595	9.7311955
XKR6	3.8933875	3.9750005	3.8899065	3.8043075	4.208422	3.9883645	4.3571035	4.005517	4.739785	4.430351	3.957705	4.148131
HSPA12A	5.3536645	5.7087965	5.915588	5.670536	6.5749295	6.750637	6.5412135	6.457207	5.3818655	6.536925	7.0729755	6.5794065
MAPK8IP1	4.697354	5.358825	4.459447	4.815422	4.752372	5.464563	4.877872	4.678516	4.551542	4.377004	4.797227	3.975478
COP1	8.284344	8.090558	8.540266	8.6907235	8.1033335	8.092395	8.198911	7.96849	8.6424705	7.836403	8.740871	7.6019735
BCCIP	7.536474	7.147489	6.929402	7.377834	7.940316	7.397316	8.247927	7.6509	7.157034	7.779895	7.731238	8.025345
MUC16	3.801028	3.815166	3.770556	3.801028	4.482609	4.295407	4.094487	4.093345	3.967587	4.053162	4.248527	4.090366
DSP	11.30602	11.1623	11.41452	11.39086	4.260546	8.166089	6.902114	4.868465	11.19182	6.895825	6.060692	4.80805
DCHS1	7.491889	8.206864	7.352051	6.7266445	5.6432775	5.048585	4.923555	5.543482	5.577014	6.528298	5.2978215	6.835974
ZNF341	5.261825	4.570446	4.990909	4.881096	5.074697	4.693521	4.781538	5.015795	4.371389	4.80392	4.892949	4.864592
POLG2	6.548456	6.112006	5.983812	6.257794	7.291947	7.652458	7.489178	7.178611	6.688919	7.04108	7.693234	7.23122
SLC35B1	9.314943	8.950472	9.29573	9.290339	9.429081	8.849857	9.725295	9.362385	9.192959	8.972468	9.058907	8.580297
CYB5D1	7.4844655	6.971797	7.4872185	7.456232	7.654614	8.573847	7.874493	7.6129035	7.472984	6.9773075	8.532146	6.955193
ETV2	4.506787	4.888819	4.678793	4.673371	4.930033	5.136266	5.076135	4.847802	4.871005	4.899296	5.220239	5.059412
ZNF577	4.039522	3.9823115	3.948709	4.050589	4.004639	3.9974765	3.7833705	4.0855995	3.9806955	4.2318225	3.9469025	4.5720015
FXYD3	5.4738505	5.740584	5.5893585	5.8534165	5.8066705	6.1219455	5.965527	5.876297	5.648084	5.539719	5.967619	5.481964
EFNA1	4.359731	4.681108	4.736051	4.279237	4.774264	5.327155	5.326774	4.660827	6.080369	5.420847	4.869107	5.329775
TMEM9B	8.9724545	8.6670205	9.196471	9.302438	9.4542895	10.007564	9.609298	9.391801	9.5302045	8.4075545	9.790443	7.7576925
AACS	8.031891	7.93655	8.091633	8.409936	8.705349	9.834381	9.132475	8.795727	8.070449	8.684765	8.702151	8.528684
TREML4	4.172083	3.632525	3.563092	3.827272	3.649906	3.628842	3.455658	3.592102	3.597273	3.548332	3.585911	3.501367
LSM12	6.797384	7.604468	7.40514	6.997177	8.707067	9.579523	9.273709	8.735389	8.288815	7.785906	8.35498	8.049086
EPN1	6.2767155	6.723334	6.2936565	6.204926	5.725049	5.9106205	5.804028	5.6663835	5.746248	5.6584585	5.8076895	5.6142555
INVS	3.258055	3.101619	3.302566	2.909796	3.260554	3.645691	3.5884	3.247343	3.385009	3.127012	3.213404	3.302566
TMEM105	6.804199	6.987948	6.828437	7.105252	6.864184	6.807005	6.706619	6.920847	6.526876	6.545548	6.780843	6.317898
NT5C1A	5.099218	4.813929	4.532626	4.974361	4.907456	4.958047	4.772397	5.139014	4.979487	4.816278	5.220239	4.377242
SNRPD1	9.7337435	9.47802	9.281375	9.596455	9.80596	9.978823	10.3164955	9.6329625	9.656474	9.4184735	9.3153725	9.418858
WDHD1	6.64437	5.614365	6.370044	6.629864	5.910481	4.210044	7.294181	5.690436	6.410147	5.752704	4.573411	5.371001
CEP70	5.504663	5.194714	5.618932	4.86487	6.545605	6.098454	6.210817	6.509111	6.017646	5.567358	4.505494	4.935572
FSHB	4.864202	5.441136	4.79174	5.045666	4.856776	5.005241	4.843284	4.864251	5.052181	4.813322	4.879246	4.530428

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
CGNL1	4.2600475	4.2867465	4.210369	4.3947265	4.7904095	6.590089	4.5521175	4.8926015	6.5500605	4.833522	6.0004695	5.4558805
GSTP1	10.67402	10.84032	10.43517	10.41627	11.34074	11.67617	11.54612	11.41077	10.73405	11.4928	11.18113	11.63554
BARD1	6.248063	6.0556255	6.0459175	6.476562	5.258693	4.355324	6.2536125	5.16014	5.1496525	5.9392425	4.7794595	5.4891815
ULK2	6.202155	6.7594975	7.1528225	6.022114	5.5445865	5.6507795	5.1300445	5.588832	6.420168	6.184349	6.0653705	5.9734325
TMEM60	8.368174	8.328972	8.566065	8.865923	9.387867	8.743483	9.146507	9.467991	9.544923	8.6276	9.205519	8.414186
SNX25	4.631071	4.235001	4.738359	4.581207	4.745322	4.586549	4.626553	4.782465	4.749432	4.881764	4.890136	4.643918
ERBB2	4.615634	5.688962	4.379251	5.120321	4.773945	4.566172	4.549051	4.513634	4.591058	4.454014	4.484459	4.557137
SPG7	5.28616	5.332287	4.862604	4.6891	6.490004	6.013712	6.641524	6.46546	6.142371	7.085323	6.400793	7.201118
ANKAR	2.8531355	2.7853075	2.7989735	2.703688	2.7031005	2.8497755	2.829859	2.717667	2.8057085	2.869248	2.7907045	2.6018745
ZFP64	5.752302	5.8552725	5.700993	5.8856725	6.106181	5.9140085	7.4115635	6.0840005	6.2623735	5.590256	5.537488	5.8286195
MALAT1	9.59122	8.8821995	8.487023	7.249839	8.5542115	8.2073835	8.465416	8.8884045	8.247759	10.550854	8.759821	10.54368
GREB1	2.917132	2.993933	2.662377	2.955075	2.775884	3.850052	2.855186	2.710796	4.44528	3.417167	4.155909	3.912647
ANKRD17	8.833843	8.516842	8.639018	8.027223	8.844257	9.374016	8.907393	8.620599	8.426615	9.20644	8.521737	9.300665
AMHR2	5.32204	5.787023	5.684371	5.674801	5.45767	5.466022	5.393295	5.697551	5.546348	5.420194	5.665356	5.401915
DNAH3	4.606535	4.934738	4.908003	5.009657	5.046123	4.949286	4.960899	5.088066	4.850347	4.65087	5.055055	4.632205
RNF34	4.79992	4.314889	4.89695	4.801747	4.792113	5.669841	5.111699	5.072882	5.313348	5.172582	5.138148	5.233749
KDELR2	11.169555	11.211685	11.05554	11.597045	10.73019	11.04474	10.6482	10.660165	10.690775	10.179006	10.796545	10.308815
WFDC13	2.743751	2.951667	2.708736	2.943341	2.700565	2.500152	2.693624	2.450245	2.511987	2.548386	2.687674	2.507867
MXRA7	9.773864	9.603985	9.822306	10.01727	8.280513	8.486816	8.370788	8.384753	8.705653	7.438791	7.315903	7.613473
AFF2	4.012482	3.729192	3.995332	3.759273	4.887804	4.084668	4.106093	4.681889	4.188777	4.482588	4.42283	4.671962
CAPZB	10.9342	11.06275	10.90714	11.118605	10.492475	10.573285	10.2980665	10.463575	10.3647425	9.7915485	9.979036	9.0085095
ALDH3B2	2.7823075	2.990818	3.0449775	2.7390965	2.8476055	3.0407435	2.926482	3.0274045	3.113875	2.8052205	3.1785885	2.873399
ATP6V1G1	8.496882	8.201166	8.280961	8.154133	9.446607	9.752431	9.068597	9.5582525	9.424438	8.835245	10.0311545	9.363517
PYHIN1	2.960323	2.740121	2.9566265	2.8492425	2.918509	2.7155395	2.790878	3.106989	2.9131785	2.7998545	2.987613	2.852482
MLH3	7.353251	7.008389	6.739077	7.161025	6.952253	6.989213	6.928097	6.950212	7.086714	6.852249	6.334805	6.533977
SF3B4	9.218562	9.652386	8.791162	9.034799	8.775709	8.66396	9.016034	8.402023	8.750638	8.576169	8.88352	8.555473
ZNF333	4.6727295	4.5856625	4.4338285	4.608689	4.6047615	4.241655	4.238774	4.546541	4.4922655	4.6242305	4.6085405	4.849362
JPH1	3.4158935	3.5829265	3.7679265	3.8761905	4.0985915	5.24389	5.6350685	4.0585845	4.064419	5.183024	6.0230305	5.1042145
RPS6KC1	8.572721	8.14715	8.705707	8.649037	8.775647	8.111588	9.227808	8.651663	8.601581	8.68128	8.227202	9.382226
LGI4	4.908268	5.0855	4.8320175	4.7412075	4.8356495	4.7988545	4.818892	4.9345775	4.6198375	4.643298	4.867119	4.8341125

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
ATF7IP	5.667707	5.1546965	5.739139	5.426431	6.105757	5.478648	6.1886305	5.9210955	5.5373795	7.202359	5.535488	7.0347755
GHRL	4.569541	4.7552885	4.550578	4.5750765	4.5249705	4.3040835	4.2904335	4.513078	4.4211865	4.1322535	4.456445	4.0617955
XPO1	9.5688765	9.124025	9.211267	8.9279295	8.4314875	8.0606635	8.889864	8.3763615	8.612008	11.20398	9.351579	11.176955
UAP1	11.60586	11.69431	11.98496	11.82334	10.55197	12.4962	9.840113	10.58582	10.29408	9.699031	11.20844	9.472301
DUSP19	3.371826	3.32975	3.102877	3.577715	4.042302	4.155425	4.582092	4.070368	4.326677	3.76456	4.158847	3.896086
TAC3	6.084687	6.438221	6.189271	6.292151	6.630755	5.85135	5.900033	6.845744	6.118968	5.916047	6.142269	6.297169
VPS39	8.480945	8.462101	8.222312	7.988705	7.751682	7.611989	7.231086	7.917221	7.733192	8.019055	7.799534	7.855203
CBL	5.638073	5.6810695	5.7309315	5.5965355	5.813553	6.1699955	5.71746	5.8007265	5.932087	5.5622725	5.7959545	5.387784
MYLK	4.947488	4.974042	4.687747	4.846704	4.527255	4.309646	3.911972	4.565441	4.733653	4.527255	4.401616	3.413914
HIST1H4J	6.793018	6.75145	6.765951	7.065979	7.126814	7.367151	7.761173	7.164289	6.790726	8.241982	8.252045	7.879622
LPIN3	5.451984	5.677324	5.445908	4.957471	5.282953	5.319428	5.46195	5.212659	5.111271	4.961303	5.258012	4.668916
TAX1BP1	9.973568	9.7528	9.985029	10.17834	9.960171	10.09811	9.731262	10.13018	10.70769	10.34826	9.497786	10.34822
ANKRD23	3.813591	3.761871	3.719702	3.968616	4.005872	3.819095	4.206386	4.159928	3.868196	4.542161	4.809841	4.782048
EGFL7	6.168929	6.270144	6.206625	6.014509	5.74141	6.10544	6.029909	5.90562	6.400134	6.447653	5.867642	5.629566
PGGT1B	6.751276	7.007306	7.036083	7.012894	7.433732	7.400269	7.688832	7.536102	7.403652	5.993629	6.702732	5.432798
CENPF	6.794778	5.851748	6.263508	6.857408	7.327702	3.851048	7.445848	7.072672	5.183137	7.400878	3.299973	7.469456
MNT	7.0335085	7.0481665	7.041071	6.680475	6.1902185	6.4614655	5.9978725	6.252223	6.286249	6.342122	6.786619	6.4942215
PREX1	5.586135	5.4359975	5.3946485	5.538824	6.9533095	6.939454	5.869537	6.773266	5.4098895	7.3468905	4.6977965	6.6910405
SLC38A2	12.65963	12.56266	13.01044	12.57022	11.8821	11.06594	11.68135	11.90371	12.87134	11.91611	11.97444	11.34754
DNAH11	2.800515	2.970023	3.079743	2.856996	2.869018	3.164035	3.067689	2.951934	2.991051	3.04879	3.233263	2.898057
ASCL1	3.7899365	3.9301135	3.848788	3.636352	3.6881535	3.832847	3.877892	3.540432	3.588729	3.5533105	3.803372	3.5357165
PSMC4	9.564914	9.245551	9.351498	9.817384	10.26796	10.5727	10.35636	10.30948	10.05203	9.381723	10.46139	9.321626
RBM4B	6.927604	7.037642	7.297838	7.166567	7.330916	5.822781	6.997552	7.132558	7.666328	8.036939	7.46237	7.791705
RNF39	5.241154	5.554963	5.29013	5.170292	5.346481	4.876518	4.898363	5.430423	5.268179	5.037944	5.09563	5.184904
SLITRK6	2.928123	2.809622	3.084929	3.002451	5.761862	3.717535	4.435744	6.040938	3.053786	3.586618	5.56043	3.873289
PTHLH	3.182816	2.9954885	3.2755145	3.321058	3.2921055	8.797721	2.93855	3.4270685	3.2064905	3.3024655	8.4285935	4.237238
MMEL1	5.536325	5.842665	5.618394	5.849375	6.193813	5.992085	6.347258	6.074133	5.835918	5.785875	6.198206	5.874466
MIS12	8.093197	7.743892	7.990552	7.931842	8.28685	7.763702	8.742128	8.218046	8.746855	8.410711	8.33242	8.273371
EID2B	5.817104	5.567177	5.986425	6.218834	5.769413	6.70472	5.99983	5.98489	6.317	5.559206	7.10066	5.750821
HTR3B	4.032212	4.267333	3.789617	3.875882	4.084311	3.766693	3.599746	3.99964	3.858134	3.410918	3.717564	3.257856

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
RBL1	4.817385	4.8029445	4.7491255	4.368224	3.9758535	3.1176595	4.295378	3.994699	3.721535	3.752705	3.7448715	3.5379035
TM2D2	9.851604	9.57802	9.694391	10.05658	9.883387	9.394105	9.672381	9.930763	9.800464	8.877462	10.18639	8.946714
CCDC8	6.7082875	7.44707	6.6703815	7.1601055	4.814282	3.730825	4.663162	4.492506	5.4668385	4.9918755	3.4432565	4.4585715
C1QL1	4.3958675	4.810327	4.3790095	4.4520875	4.4206135	4.322965	4.21053	4.3405125	4.456628	4.4327025	4.532803	4.2565735
JUP	5.959281	5.705804	5.912886	5.751916	6.108164	8.623541	6.91879	6.179302	8.224001	6.846362	5.626555	5.844703
PDE1C	4.4878795	4.602818	4.523094	5.1460095	5.8351855	6.379229	6.843887	5.897099	4.442232	6.470437	6.4174915	7.454753
SPRED3	6.961614	7.000635	6.80767	6.262197	6.189821	6.074006	6.340712	6.359266	6.379375	6.192614	6.593191	6.243081
CKMT2	4.506804	4.709019	4.403878	4.476941	5.040648	4.438283	4.48232	4.935724	4.156053	4.043516	4.455483	4.512846
SSNA1	7.652608	7.570693	7.362396	7.946918	8.284245	8.619598	8.619057	8.173667	7.929751	7.706783	8.66963	7.519151
SYNJ1	5.953605	5.418097	4.865782	4.802145	5.139776	4.406815	4.959212	4.95087	3.927348	4.230441	3.712373	4.003761
USP28	6.146945	6.26407	6.469342	6.530179	7.013536	6.379613	7.171413	7.061667	7.625255	7.143744	6.850225	5.94244
MPST	7.723432	8.102126	8.289369	7.904429	7.896147	8.125929	8.069239	7.597308	8.144486	7.992342	7.722806	7.87464
CRKL	7.594244	7.926279	7.92352	7.741781	7.808186	8.2695705	8.077501	7.6716865	7.851436	7.4891105	8.1506475	7.437464
GRM5	3.565626	3.707345	3.654159	4.027882	3.770111	3.444283	3.546078	3.593286	3.623863	3.257951	3.699999	3.468673
LMLN	5.974043	5.7790245	5.922507	5.858786	5.2504015	6.1574195	5.0220925	5.351784	5.6397315	5.581952	5.762084	5.523314
APBB3	6.453429	6.586978	6.394453	5.924263	6.73863	5.949233	6.339934	6.581843	6.794611	7.269882	6.956	7.348114
PCDHGB5	6.060022	6.410471	5.911382	6.535117	5.954183	5.435759	5.871053	6.102125	5.752666	5.836865	6.295966	5.759339
ARHGAP10	7.762541	7.478702	8.080401	7.876855	7.671607	8.238106	8.142459	7.667308	7.536024	7.359784	9.216768	8.145027
TMEM123	10.17461	10.33645	10.39645	10.8964	11.00967	11.53239	11.13084	10.89927	11.19378	10.11463	10.49523	9.799822
RHOT1	8.499724	8.242582	8.605724	8.550625	8.731548	8.465906	8.93658	8.614971	9.760733	9.330897	8.641692	9.375784
ZFX	6.487063	7.1970375	7.645006	6.3419985	6.5179755	7.0622125	6.4696555	6.50011	6.328729	5.7586065	5.1075575	6.090543
RTN4	12.861105	12.73578	12.6468	12.819595	12.563275	12.69527	11.97653	12.55076	13.06488	12.13441	12.46185	11.920695
MIF4GD	5.9064775	6.1747005	6.4494245	6.2056465	6.019224	5.7590535	6.4941465	5.927242	6.952939	6.299486	6.186549	6.41912
ARSI	7.2442	6.909891	6.590986	7.052277	5.829697	6.110444	5.743234	5.782171	6.474899	5.726168	5.873801	6.124007
FBXO11	8.483413	7.807889	7.907366	8.52302	6.889578	6.540591	7.504211	7.264591	7.864493	8.761054	7.715419	9.285185
ZNFX1	9.287848	8.845495	9.310372	8.947971	8.685924	9.284577	8.332563	8.81725	9.920831	8.864462	10.25507	8.812314
MAPK11	6.062542	6.259956	6.214726	6.444019	5.6707	6.126909	5.871946	5.924415	6.935658	6.320749	6.246921	6.217842
GAS7	7.390921	6.380818	6.19532	6.292442	5.804186	5.105172	5.912084	5.65938	5.269283	6.331961	5.418097	5.934721
FBXO25	8.334669	8.437089	8.711116	8.412851	8.252969	8.489502	8.055286	8.171577	8.46086	7.506542	8.552866	7.843887
CD14	4.848359	4.300392	4.741041	4.829395	5.649158	5.696376	5.270739	5.803409	7.54209	4.561938	6.260535	4.859337

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
GATAD1	7.5762795	7.501221	7.668916	7.609283	7.273178	7.012434	7.2269925	7.042584	8.1422035	7.531307	7.687722	7.361717
NEFL	3.466204	3.12857	3.053848	5.557608	11.93524	11.29152	11.99417	12.03927	3.342592	11.75052	10.48037	11.98007
DMPK	5.9483345	6.559227	6.381599	6.2138505	6.055613	6.5231225	5.53393	6.0676425	5.7287235	5.651173	6.025778	5.8354395
PAFAH2	6.0950295	5.6175135	5.712793	6.0887	6.1527165	7.5225255	6.1557785	6.208206	5.926068	5.582057	7.1365335	5.534661
SYT1	3.5641365	3.4377875	3.595323	4.107644	3.718059	3.72731	3.6668325	3.606137	7.6242805	3.5324965	3.7189155	3.3462215
NR1H2	8.150384	8.284126	7.735752	7.785095	7.327201	8.194821	7.230843	7.11828	7.903454	6.746212	7.662033	6.678045
PLCG2	5.426205	5.802369	5.271778	5.523353	5.508979	6.421417	7.127381	5.445908	7.000163	5.533471	5.83054	5.355231
TCF15	4.64678	4.976342	4.754843	4.746235	4.581717	4.655762	4.591513	4.748497	4.36348	4.99406	4.530063	4.40909
TGM1	4.68253	5.449811	4.865157	4.651489	4.708955	6.089791	4.74863	4.993462	5.107492	4.72314	5.503013	4.505944
PPM1G	8.392389	8.637831	8.026661	8.799154	9.627837	9.578028	9.906704	9.421684	9.266249	9.128045	9.347251	9.155941
LGALS9	5.9867	6.177687	6.129604	5.832888	6.189821	5.527442	5.876875	6.256138	6.832489	5.777713	5.901313	5.971034
THADA	4.2091865	4.31353	4.1483395	4.461235	4.309441	4.3893115	4.140331	4.2024005	4.241336	4.075991	4.3100665	4.355891
BOLA3	10.75331	10.71665	10.42041	10.65606	10.8927	11.34576	11.68256	10.92588	10.21486	10.45986	10.82607	10.81694
NR3C2	3.539754	4.474778	3.900519	6.023444	5.757656	6.190331	6.657018	5.937064	7.812574	7.672836	4.533729	7.167959
JAZF1	8.22793	8.404119	8.845721	8.8000005	7.977729	7.128197	8.1280175	7.9248915	8.7667845	7.624289	6.0677075	7.8343125
ITGBL1	5.790978	7.451537	8.849418	8.220526	8.75545	8.407384	5.401177	8.88417	7.726544	5.768186	6.846818	5.850013
ZNF445	6.9792495	6.611329	6.796521	6.6592585	6.7402565	6.477619	6.7358735	6.67072	6.998533	6.8236215	6.772983	6.778747
GNG10	10.93166	10.78434	10.89254	11.30791	10.78554	10.4445	10.61678	10.79683	10.75664	10.54673	10.42537	10.40809
FXR1	8.598917	8.0148465	8.086152	8.6005785	8.7177365	8.5774355	8.8461775	8.6436365	8.4380515	8.3720085	8.136282	8.5392295
NAT2	3.778184	3.852278	3.777536	3.792343	4.10988	4.183339	4.128369	4.276411	4.276411	4.05538	4.237669	3.957272
ANXA10	2.917051	3.191132	3.125185	4.777288	3.040541	3.681916	3.080773	3.209693	4.442317	2.917051	3.209247	3.212326
GRM1	3.890324	3.820389	4.246137	4.030019	3.946292	4.040319	4.206119	4.002069	3.747267	5.28045	4.036445	4.730879
ZNF781	3.3381455	3.4032325	3.542297	3.544067	3.6099475	3.122332	3.267807	3.586563	3.765844	4.1689205	3.3357615	3.2768135
GM2A	5.840616	6.697525	5.963852	6.122565	6.062144	5.838212	6.097368	6.121169	6.414688	5.598522	6.397264	5.899164
KCNJ1	3.5254705	3.5113555	3.39053	3.4908785	3.49851	3.343169	3.1216945	3.678433	3.283361	3.3777115	3.2815265	3.433786
C1S	10.1548475	10.3092965	10.7237525	8.3915025	7.974899	7.799634	6.727444	7.990311	11.12472	8.2825055	11.62831	8.4109205
TTC19	9.25863	9.225529	9.724342	8.929724	9.529961	10.0071	10.01447	9.459946	9.276745	10.05042	10.10477	10.00921
SMYD1	4.277392	4.512272	4.3248445	4.2773005	4.1951075	4.1614325	4.0454445	4.172674	4.030012	4.105001	4.225834	4.001775
FOXE3	3.777827	3.990634	3.475699	3.997702	3.966932	3.757734	4.249417	4.069285	3.677094	3.856522	3.925327	3.753754
TOB1	8.789074	8.601512	9.563345	9.557808	11.02448	11.26703	10.32352	11.15246	9.865953	9.669653	10.62395	9.790531

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
PANX1	9.062451	8.922225	8.678041	8.522284	7.615536	7.632741	7.401069	7.608116	8.751185	7.32752	8.644457	7.545413
PPFIA1	6.960354	6.456582	6.929224	6.422637	7.370621	7.126035	7.919456	7.156267	6.670409	6.856902	6.727918	6.619916
ZNF529	4.581058	4.438771	4.719741	4.733153	4.828785	4.59582	4.638164	4.846703	7.012508	6.030817	4.9359	5.413562
CD3G	4.26155	4.23688	4.166413	4.562446	4.489667	4.096742	4.270926	4.336511	4.289631	4.320377	4.396695	4.026978
SPHK1	9.615807	10.29215	9.464119	9.722991	9.531039	10.49991	8.624661	9.465505	8.672538	7.445484	10.06538	8.247849
SLAMF6	5.259231	5.17819	5.012821	4.938396	4.810812	4.286952	4.568029	4.721177	4.638994	4.798915	4.698169	4.573779
SLC25A34	4.9426485	5.248302	5.127509	4.894673	4.794664	4.6367155	4.5735205	4.8038765	4.7797885	4.850052	4.832809	5.103828
SERPINB11	3.439364	3.370997	3.307488	3.292709	3.577237	3.4003	3.392987	3.36472	3.340181	3.130772	3.377775	3.401812
NKD2	5.421208	5.4429	5.382906	5.378922	5.807355	5.485852	5.586666	5.874996	5.872152	5.651073	5.869074	5.435184
EPN3	3.400131	3.7436595	3.55981	3.545442	3.5318515	3.6425895	3.3544565	3.7681645	3.3472365	3.439367	3.519084	3.0841695
TRIM6	7.075923	6.409354	5.566022	6.955905	6.945951	7.038184	6.924706	6.856315	6.072475	6.084651	6.031067	6.545872
PCDHB14	3.490648	3.110305	3.317272	2.803196	4.813981	3.602722	2.857673	5.041563	4.232821	6.536767	2.758449	5.452347
ZNF143	5.717743	5.6781675	5.80506	5.778934	6.187096	6.042474	7.363884	6.1575965	5.77123	6.6773475	5.4743295	7.311377
FCHO1	5.560879	6.094179	5.576696	5.641085	5.661772	5.619151	6.171796	5.46078	5.673256	5.686576	5.582506	5.44494
SSX3	4.309813	4.454339	3.718256	4.047286	4.215177	4.02169	4.585666	4.062254	4.180384	3.950102	4.160442	3.580811
CENPM	7.050625	6.966235	6.981782	7.371852	7.648475	5.649259	8.274117	7.191288	6.178246	7.216601	6.056409	6.932705
GAPDH	13.930895	13.8737	13.85489	13.99629	13.606815	13.419915	13.647805	13.663835	13.66873	13.57309	13.38513	13.35639
AK2	8.6167295	8.7203775	8.842523	8.786486	8.4947005	8.989705	9.3608565	8.4236855	8.683756	8.7270625	9.374663	8.5791445
ELN	8.2794835	7.7147205	8.3323885	7.4325065	6.3441155	5.740323	5.6147995	6.0825475	5.5444955	5.3917615	5.7681425	5.31731
TEX13A	4.1574035	4.2087265	4.1567495	3.833968	3.9442315	3.91486	3.948289	3.923763	4.0037605	3.546761	3.970067	3.896354
STAT5B	6.350015	6.527627	6.287883	6.432811	6.575379	6.143474	6.471447	6.631735	6.276175	6.314822	6.213556	6.618193
MC5R	3.531983	3.746194	3.367699	3.848305	3.876089	3.453722	3.626805	3.908805	3.781108	3.344367	3.552937	3.442902
TLR9	4.943807	5.162878	4.862604	4.822406	4.810214	4.688966	4.498214	4.821554	5.033394	4.594373	5.134841	4.620265
TMEM51	4.573048	5.005325	3.926356	4.646291	5.044566	6.684068	5.873415	4.828399	7.649234	5.542428	6.847374	6.37831
APOBEC3G	6.3297795	6.713458	6.347336	6.4135415	6.342293	5.191067	6.4681	6.3763	6.745055	6.9645985	6.603167	7.0067385
PAN3	8.732286	8.387788	8.928673	8.880041	9.057968	8.800418	9.191603	9.074137	8.475273	9.799499	8.510554	9.80881
GPR27	4.0410925	4.4842345	4.488657	4.2379835	4.0497195	4.369145	4.339535	4.176567	4.5441305	5.2528265	5.762958	6.117592
SPTBN1	6.446937	4.600943	4.963764	6.107288	6.491485	5.298903	5.600847	6.424273	6.527474	5.765433	5.625939	5.926115
DTNBP1	6.490242	6.195069	6.534646	6.576097	7.0995	6.598128	6.503141	6.955669	7.606171	7.012734	7.214851	6.347978
TRIM68	6.72242	6.72677	7.114621	7.18946	7.686872	7.425697	7.564195	7.649394	8.152845	7.970901	8.294447	7.646592

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
ROBO2	3.667323	3.285521	3.468276	3.434133	7.949502	7.046557	7.439784	8.038095	3.242151	7.868287	6.09584	8.428866
HSD17B6	3.569805	3.253631	3.5662565	3.4145485	4.5941305	5.410281	5.679307	4.614707	5.44586	4.4382595	5.9177075	4.4882695
KLK7	4.957809	4.965204	4.8164595	5.1812355	4.899544	4.813791	4.907125	5.006544	5.0133675	4.9133075	4.9478245	4.6984165
LRFN3	5.292976	5.612363	5.63964	6.181964	4.71082	4.184206	4.377003	4.508668	4.919423	5.452075	5.262301	5.16403
CA14	6.001548	6.04224	6.102143	6.284275	5.702981	5.545645	5.742887	5.971304	5.497305	5.523763	5.726261	5.518426
FAM43B	5.762931	6.532084	6.247556	5.790078	5.851241	5.933183	5.47321	5.445791	5.643958	5.329238	6.027903	6.17991
SOX30	2.802907	2.843827	2.890365	2.812655	2.684378	2.920085	2.494551	2.817907	2.808083	2.618495	2.826627	2.616096
SPATA8	5.102777	5.188638	5.247201	5.313148	5.423709	5.223957	5.173623	5.531695	5.247632	5.107533	5.444907	5.147629
PPP1R1B	4.992156	5.001029	4.982003	4.817018	4.973327	4.862775	5.072506	4.946424	4.893951	5.488836	4.758699	5.083694
RANBP3L	3.021524	2.797357	2.553884	3.008091	4.746074	3.094607	3.935664	4.235764	3.051154	3.503332	3.192424	3.292654
RAB30	5.329826	4.925157	5.992793	6.096676	6.384216	7.759585	6.580818	6.57152	6.879319	6.134471	6.261928	6.013776
CDR2	9.23723	8.989663	9.454658	9.224121	7.947934	7.786225	8.109219	8.006092	8.957461	7.725513	7.749615	7.781775
GALNT12	5.852148	4.817103	5.8332595	5.734543	4.3361185	8.203882	7.9219945	4.2841	6.760286	7.669928	6.816172	7.489917
PPM1A	6.7311375	6.276093	6.3024235	6.545444	5.9710175	6.4571095	6.245145	5.961329	6.672653	6.184011	6.7786985	6.089271
TFF1	4.339443	4.178268	4.299123	4.113289	4.209662	4.082607	3.845807	3.710942	4.300775	3.88313	4.327603	3.776911
UXT	10.79494	10.7616	10.42565	10.62129	10.37886	9.61939	10.24327	10.26358	10.20785	9.922963	10.71035	9.91369
P4HA3	5.859629	6.0614455	5.66834	5.388688	4.924943	4.4287655	4.168872	5.0662515	4.960763	5.516737	4.9116595	5.1053375
STXBP2	6.0375585	6.253907	6.0674065	6.2133895	6.1626785	5.9436595	6.0259275	6.195673	6.3972065	5.98526	6.123513	5.8537195
HILS1	4.441099	4.744004	3.993527	4.200381	4.325561	3.996143	4.479605	4.404812	4.236486	4.002232	4.113655	3.668676
ZBTB17	6.8776615	6.9012545	6.77096	6.655489	6.29535	6.678523	6.261177	6.156211	6.5142415	6.233688	6.3401375	5.7970905
SNX15	7.397643	7.329034	7.543964	7.195575	7.242063	7.364462	7.40301	7.612501	7.508177	7.099332	7.500102	7.094946
CRYBA2	3.661593	3.625087	3.7223	3.712297	3.453068	3.737317	3.498826	3.603978	3.485793	3.372054	3.854253	3.478791
PRPS1	9.731557	9.1980635	8.848535	9.666858	9.124933	10.2735975	9.9055945	9.304754	9.514288	7.862591	8.5727345	7.771476
ITCH	6.7593675	6.6186085	6.484446	6.143606	6.8721215	6.8144525	7.081636	6.900786	6.4168875	6.314009	6.2072785	6.0321535
SDC3	5.8386445	7.1996435	6.440467	6.5128795	6.639395	6.363011	6.1946205	6.516701	5.834714	6.8508265	6.2306135	6.628858
CNTNAP5	3.7873535	3.3430015	3.595412	3.8046965	3.481236	3.492657	3.616082	3.6153045	3.5022695	3.3801845	3.9434645	3.5699105
SCARA3	7.558274	9.000601	7.477346	7.205437	6.322291	5.511615	4.339889	6.361154	3.959745	4.9922	7.928716	5.378419
MALL	6.465968	7.94909	7.972963	10.69253	5.315659	6.038933	4.82742	5.243158	7.077066	5.404373	6.773646	4.366389
NUP88	6.9950155	6.7677685	6.7283495	6.8446575	7.5095785	6.959265	7.447212	7.362687	6.897036	6.724619	7.008176	6.925072
COQ6	7.461243	7.230883	7.237658	6.932905	7.487094	7.636708	7.449142	7.603633	7.489446	7.322551	7.757667	7.42089

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
LYSMD1	4.541878	4.719243	5.209277	4.47371	5.528878	5.825362	5.437358	5.635472	5.420906	5.48191	5.430955	5.569556
SULF1	10.24552	10.40359	10.41951	10.69462	9.085693	9.430278	8.428885	9.235004	7.948268	9.170055	9.585004	9.149811
CS	10.88208	11.2887	10.74383	11.10218	10.52756	9.935786	10.86639	10.16491	9.80607	10.57751	9.991083	10.75592
TRPV5	4.765639	4.5350095	4.7960015	4.754392	4.7422855	4.471741	4.329432	4.45909	4.158734	4.380559	4.717377	4.215068
ZNF175	5.247621	5.1123645	5.1111475	5.4159695	4.4415895	4.184374	4.6095885	4.5806215	5.08782	4.819791	4.437652	4.656114
BMPER	6.922126	6.788124	7.363091	7.965094	2.912905	5.295191	3.535151	3.239888	3.446018	4.178144	3.581011	3.931544
CDC25B	9.122562	8.913138	8.954576	9.213927	9.701017	8.460455	10.0505	9.414211	8.635267	10.90336	8.724518	10.84824
NMUR2	5.585087	5.569312	5.491113	6.380249	6.350919	6.054447	6.038957	6.377676	5.800422	5.715046	6.312976	5.985733
RPS25	12.83603	13.13992	12.89739	13.04479	13.17474	13.18099	13.28105	13.19372	12.58515	13.12752	13.14294	13.20576
HAL	3.293455	3.296242	3.341403	3.15007	3.089708	5.215793	3.603055	3.123191	3.263824	3.26772	3.358055	3.444598
TRIM71	3.170237	3.327713	3.082983	2.955688	2.983663	3.248164	5.025891	2.872825	3.178429	2.825663	3.369616	5.861788
FMO5	3.0547845	3.237482	3.264382	3.2261675	3.2213985	3.2332175	3.034467	3.2709285	3.1459245	3.0568925	3.0619105	3.1150155
TAS2R14	3.974762	4.133223	4.098211	4.021682	3.962853	4.038869	4.23035	4.24124	4.623399	4.271131	4.293344	4.694264
AHSA1	9.83949	9.599436	9.530447	9.772875	10.60195	11.98219	11.1332	10.51903	10.54242	10.0048	11.14668	10.51019
GPC3	4.0611765	4.3206055	4.055147	4.358841	4.4543305	4.1847905	4.114446	4.398508	4.38553	4.145126	4.4135705	4.3304705
NOC2L	6.7567935	6.489794	6.4765385	6.398363	6.3575595	6.788287	6.987331	6.265185	6.19969	6.721411	6.675981	6.9890225
AASDH	7.040257	6.971265	6.7210135	6.4726035	7.0325615	7.641413	7.3487445	6.985104	7.1251275	7.3623405	7.361629	7.35179
ATP6V1E1	10.05472	9.517176	9.469979	9.915252	10.55685	10.16277	10.08853	10.60886	10.99859	10.21945	10.56764	10.27411
KIAA0319L	7.316595	7.4938855	7.541761	7.5757525	7.871447	8.408841	8.5058465	7.942293	7.520669	8.312276	7.5833575	8.5310005
PRKCQ	4.7049525	4.736709	4.4694285	4.923161	5.0548965	4.928334	4.8811315	5.125134	5.3734925	4.930378	4.7396495	4.5711975
FBXL17	3.624779	3.657675	3.615364	3.891679	3.7988985	4.8814175	3.8894105	3.666887	5.262453	3.8741765	4.1370405	4.0203045
SP110	7.440478	7.108787	6.934006	6.960197	7.992699	7.694151	8.793873	7.751052	8.523413	7.653308	8.549686	7.688248
NOC3L	8.787333	8.386877	8.655231	9.263461	9.4995	10.00017	9.861139	9.363931	9.626168	9.10218	9.299356	9.270887
B4GALT6	5.4783425	5.8813245	6.0733135	5.6875145	3.322575	4.960224	4.64928	3.6557255	5.669503	5.0218925	3.775971	4.599946
STX2	7.762933	7.6787405	7.841525	7.68399	7.1747	6.960909	7.4706025	7.200301	7.2715735	6.991995	7.1466685	7.063032
FMO2	3.92031	4.174027	3.9890615	4.1048715	4.0938615	3.895921	3.90652	4.142962	3.8643395	4.042272	4.156712	3.853272
ALAS1	9.009583	8.639344	8.316721	8.719674	9.325183	9.798644	9.210004	9.369045	8.898282	8.990912	9.627392	8.674856
ORM1	4.348587	4.566941	4.723098	4.482909	4.528178	4.51686	4.177725	4.46738	4.619691	4.220829	4.37901	4.162807
METTL4	6.549376	5.4338795	6.2794585	6.6404985	7.0221075	7.0188485	7.0158295	6.9050595	7.600741	6.649924	7.128379	6.2534985
MYO7B	4.246157	4.68665	4.573222	4.409549	4.439069	4.366034	4.5549	4.439896	4.922834	4.446929	4.62726	3.563501

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
PAPSS2	10.68293	10.0626	9.691839	10.85046	7.8913	9.043476	8.652546	7.922378	8.293277	7.80567	8.486357	8.786119
YBX1	12.25585	12.54036	12.22392	12.51565	12.87063	13.10505	13.0482	12.76142	11.98959	12.42864	12.66771	12.21007
ZNF558	8.209215	8.141505	8.031291	8.129075	7.214547	4.75067	4.853486	7.13528	8.424875	8.304955	6.435508	6.430564
SWAP70	8.997824	9.046295	9.749468	9.362955	9.651083	8.642588	9.195855	9.718116	9.480098	7.394306	7.559058	6.700448
NANOS2	3.680166	3.764139	3.371172	3.594655	3.565094	3.366518	3.55538	3.38003	3.373468	3.368846	3.432886	2.860363
B3GAT2	4.101111	4.298181	3.98391	3.8616205	4.6336625	4.244821	4.880704	4.6146005	3.8153405	4.1547965	5.018996	4.4401785
MMP15	5.6161395	5.8743145	5.6725055	5.787136	5.747113	6.036304	5.9583665	5.691766	5.997826	5.826148	5.761442	5.982208
AKR1B1	10.89838	10.44173	10.81893	11.08448	10.92372	10.97456	10.47843	10.8302	13.24128	10.02726	10.97396	9.984327
SFRP2	6.0822365	4.515334	3.966398	3.983557	3.830423	3.8850595	3.7316585	3.9048	3.981141	4.1455675	4.0733165	3.8538595
PCMT1	10.60402	10.23751	10.05691	10.38812	10.34618	10.22116	9.885158	10.23904	10.04542	8.736427	9.442391	8.616415
DDX6	8.972893	7.115882	5.221552	6.356082	6.269903	8.476298	6.412215	6.743073	6.270345	6.144797	5.697822	6.027182
ZNF329	6.970519	6.925799	6.983987	7.087178	6.775959	6.174936	6.042408	6.828621	7.870652	7.30606	7.178217	6.953224
TGOLN2	8.01429	8.41847	8.187485	7.619103	7.370647	7.985278	7.392927	7.382421	6.745398	6.294272	6.803079	6.203694
CACNA1A	6.446871	7.078313	6.689097	6.586225	6.092525	4.859256	4.466973	6.08022	6.864347	4.421796	5.151116	4.123491
MMP11	5.00444	5.671793	5.866808	5.373581	6.007492	5.790814	5.828827	5.908889	5.913995	5.670562	6.02898	5.685803
ARL6IP1	10.07125	10.17498	10.12459	10.55622	11.89812	10.83269	11.39889	11.71411	10.36317	10.95181	10.34192	10.69229
DPT	7.118601	7.170824	6.552541	5.072325	6.324999	7.375978	9.89748	5.83766	5.151024	7.873365	6.014373	8.539719
PDIA5	10.47051	10.93763	10.60428	10.18174	9.399084	10.10938	9.666327	9.337869	8.540952	9.51165	8.765519	9.49952
DSCAM	3.345828	2.938345	2.964019	2.922598	3.253763	3.162881	5.454564	2.769677	2.849614	6.132973	3.594543	5.228261
LRP5L	5.035388	4.751324	5.001845	4.431148	5.198898	4.799623	4.95067	5.138703	4.537394	5.506368	5.129604	4.929243
KIAA0586	6.5225315	6.2332635	6.1687365	6.4749405	6.4630115	5.9850125	6.8026	6.3022765	5.848898	6.5298955	5.560227	6.1788575
ZC3H12A	6.812856	6.541739	6.882047	5.725658	5.790936	5.583526	5.676022	5.460553	7.54168	6.594515	6.427953	6.099992
ADCY7	7.088688	7.3999015	7.053464	7.242307	6.6450665	7.0229515	6.5231885	6.7100655	5.9809225	5.7474565	7.0140165	5.757949
OLFM2	5.923003	5.677948	5.523666	5.653463	5.609993	5.338229	5.04426	5.589085	5.394893	5.599946	5.220239	5.323816
CST8	3.7447	3.84554	3.876891	3.82803	4.29684	3.87726	3.722172	4.114124	3.933437	3.888572	3.932025	3.531935
STEAP3	6.456542	6.94996	5.592383	6.706402	7.278083	8.477847	7.770012	7.443664	5.093755	6.551383	8.212769	6.140703
PTRH2	8.624175	8.610822	8.745719	8.867463	9.87796	10.59986	9.614859	9.704859	9.345843	9.0521	10.0865	8.995059
GBE1	12.14976	12.10564	12.09471	12.0256	10.50206	10.64757	10.50381	10.60085	11.20987	9.745714	10.85831	9.101952
LYPLA2	7.394235	7.1992965	7.3543905	7.621803	7.9268595	8.489624	8.0876975	7.967421	7.85843	7.8506525	8.091651	7.748853
SAT2	8.905176	9.134996	9.257403	8.777776	9.14642	8.689415	8.849445	9.134996	8.76884	9.518148	9.233481	9.335968

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
ADAMTS13	5.5993745	5.8625015	5.51201	5.716695	5.855602	5.7868585	5.530141	6.062341	6.131951	5.849302	6.245673	5.9985935
SUFU	5.175567	5.0230405	4.8174925	5.034888	5.317423	4.754567	5.0458245	5.0068195	4.8519155	4.678682	4.691771	4.6664025
TCF19	8.510878	8.00762	8.226549	8.763781	6.467951	4.971313	7.775217	6.073624	6.088026	6.552376	6.538055	6.062006
KLRC4	2.425278	2.517597	2.340476	2.278418	2.342348	2.362885	2.272544	2.286577	2.440066	2.409737	2.454842	2.336439
NCOA6	5.9140215	5.563242	5.7186075	5.633335	5.414423	5.5899415	5.6251925	5.452027	5.901208	5.6389645	5.818448	5.7245885
JAG2	5.2167605	5.5840655	5.4327205	5.634699	6.3275505	7.780442	5.8127835	6.226985	6.2124375	6.1952605	7.9908995	5.5356045
MYO5B	4.105912	3.901906	3.863958	3.797726	3.675478	4.786116	4.343311	3.691205	3.904905	4.392136	3.625922	4.052508
NR1I2	4.9303795	4.828064	4.672191	4.886304	4.948203	4.592336	4.882445	4.91321	4.764846	4.7075365	4.7918115	4.3951635
ANGPTL4	7.4189795	7.4290995	7.6666115	7.036611	5.2707485	5.5828855	5.277851	5.221625	5.251818	5.616776	5.2498025	4.976985
FAM110C	2.716264	2.949988	2.708737	2.457274	2.666734	2.474119	2.660578	2.642265	2.644088	2.352367	2.655442	2.471847
ASPM	5.471257	5.979732	5.198722	5.501901	7.064299	4.248932	7.863991	6.601492	3.831655	5.82022	4.121345	5.950971
ERGIC2	7.9870205	7.8913245	7.81437	8.0602355	8.1340085	9.6233915	8.1958805	8.085887	8.211884	7.7152295	7.239653	8.244976
HEY1	5.158621	5.203273	5.52872	5.9445835	6.0125815	5.216075	5.081479	5.9100085	6.5013345	5.6316775	7.025601	4.929874
PITPNM1	6.544318	6.707357	6.711365	6.854394	7.266201	7.406889	7.131176	7.093702	6.502945	6.860071	6.82548	6.802071
GLCCI1	4.284544	5.107802	4.632963	4.724483	5.099542	5.572855	4.602595	5.062153	5.409691	5.232519	4.680704	4.665931
PGR	4.095649	3.808026	3.8309015	3.5120925	7.568564	4.369668	3.6516315	7.4151865	3.6359925	4.090523	4.3645895	5.9997465
IL1F10	4.891578	4.882064	5.125531	4.990721	5.337617	5.050687	5.201698	5.125531	4.952653	4.577952	4.924988	4.902229
GRIK4	3.3652025	3.526474	3.555333	3.495706	3.3530895	3.38788	3.367837	3.2324075	3.404755	3.454342	3.3279035	3.4181255
SLC25A19	6.057985	5.963753	6.261519	6.266209	6.906886	8.071658	7.551097	7.215227	6.528451	6.655953	7.301857	6.82388
TRIM8	7.2184335	7.5359285	7.0875045	7.1702735	6.6955105	7.6183965	6.621782	6.709345	6.867357	6.4348305	7.134207	6.583482
HTN3	2.747258	2.863029	2.75812	2.803905	2.688822	2.615689	2.381039	2.679106	2.857629	2.607175	2.693697	2.504357
RASGRP3	3.3371575	3.621846	3.4470625	3.624891	3.342055	3.4164145	3.3837885	3.394015	4.0062135	3.2092565	3.401806	3.044979
ALDH1L1	5.3771085	5.7047895	5.707765	5.804304	5.7425075	5.690704	5.657169	5.9686485	5.6664565	5.5434685	6.0994315	5.763346
SCFD1	6.6113195	6.605697	6.4941105	6.736657	6.5423975	6.4505095	6.604465	6.504091	6.5083315	6.627524	5.9998555	6.996136
TAAR9	3.815247	4.059448	3.900519	3.787381	3.688181	3.709049	3.872323	4.004416	3.970736	3.548687	3.53013	3.354834
SLC6A16	3.8358775	3.6297925	3.8429165	3.7436615	3.7423825	3.355374	3.8522445	3.940356	4.371338	4.570544	3.832383	4.2808795
SESTD1	7.318165	7.259794	7.530026	7.08791	3.966556	5.270097	5.930727	3.933401	7.308933	6.505411	4.460669	6.449318
TCEAL2	2.598107	2.429969	2.552782	2.836042	2.756503	2.786097	2.81569	2.745379	3.444643	2.922566	2.69773	3.858559
CABP5	3.959512	4.055199	4.164603	4.119365	4.309645	4.421852	4.253264	4.209935	4.118477	4.164762	4.334349	3.920393
TRAPPC4	10.14249	9.550127	9.489458	9.60415	9.689192	9.606739	10.60703	9.723357	9.767211	9.922156	10.20843	9.934712

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
PSMB9	7.051082	6.668116	7.041657	7.598096	6.842443	4.169814	8.434476	6.106852	10.24659	8.407377	9.585926	8.336639
FBXO27	5.357541	5.464842	4.624828	5.290365	5.424581	5.196891	5.424581	5.341069	5.088015	4.919685	5.052363	4.778053
BCS1L	8.261324	8.076254	7.927703	8.258143	8.579836	8.391555	8.841724	8.410177	7.899635	8.318657	8.809988	8.599291
TSSC4	6.666175	6.575247	6.840236	6.931147	7.189758	7.567494	7.255027	7.047163	7.740005	6.951283	7.840368	7.14443
REM1	4.809891	5.023399	4.969421	4.939065	4.970561	5.045948	5.054895	4.882776	4.987111	4.948012	5.542536	4.908652
QPCTL	4.737386	4.500818	4.934463	5.072657	5.316446	5.331319	5.526278	5.283326	4.850764	5.015755	5.261025	5.165284
SYT17	4.299523	4.3881415	4.329386	4.344711	4.249563	4.3876025	4.542784	4.3754575	4.1542125	4.997334	4.837806	5.240755
DCP2	4.7643505	4.8586065	4.508188	5.0163035	6.0391555	5.104889	6.2592715	5.938207	5.4303945	6.3167725	5.4698435	6.6450025
ACADS	6.405011	6.620293	6.482469	6.339541	6.336921	6.084684	6.412214	6.26056	5.815271	5.942749	5.846387	5.742799
SLC25A22	6.951883	7.019815	6.548481	6.815377	7.011614	7.999235	7.530014	6.878325	6.431927	7.191827	6.727918	7.171167
HLA-DPA1	5.223967	6.498522	6.226636	4.190758	4.298899	5.002669	4.073987	4.472928	5.456102	3.525898	6.126498	4.219648
RPRM	5.164865	5.528877	5.261127	5.366722	9.191019	8.488237	10.9401	8.852731	5.209571	11.05454	5.429896	9.872162
COL12A1	10.52215	10.37937	11.64407	9.611004	9.173926	6.360289	3.950562	9.135239	6.367776	5.220731	5.062836	3.958556
ATG4D	5.831362	5.860152	5.665318	5.810282	6.235044	6.255195	6.910531	6.180419	6.106168	6.230112	6.409552	6.30822
RAB15	6.41355	6.7532415	7.0121145	7.3127745	6.373061	5.820441	6.397664	6.4459345	8.026753	6.561215	6.4874785	5.9825045
TP73	4.304918	5.008574	4.636376	4.367584	4.308251	4.618538	4.718442	4.60642	4.388671	4.130282	4.266655	3.906153
SOST	3.197701	3.151058	3.329697	3.142442	3.197701	3.050976	3.000555	3.236287	3.283583	3.28574	3.097997	3.242401
WDR59	5.2311275	5.5560695	5.3619785	4.7536175	5.4483565	6.441001	5.6476055	5.4745835	4.9031045	4.89796	5.549479	5.5715515
RAB40A	2.809489	2.805752	2.921022	3.002349	2.705727	2.448044	2.786493	2.713222	2.750529	3.04879	2.719813	2.81769
VGLL3	10.257239	10.221319	10.6862125	10.605155	9.5523845	8.420795	7.701063	9.417187	8.7673595	8.209615	5.9258155	8.596013
NFKBIL1	5.872734	6.237942	6.161089	6.042567	6.570388	6.906713	6.417782	6.523384	7.123387	6.720561	7.347709	6.600832
SLC25A4	5.0447525	5.027004	5.5668745	5.185915	5.7572715	6.1780125	6.040411	5.778964	5.874591	5.4607335	5.591835	5.433807
EPB41L1	4.8833255	5.2395445	4.8654415	5.0533895	4.723233	5.2893755	4.3542675	4.7169725	4.7776745	4.5570065	5.531481	5.193083
RPL36	11.92377	12.40298	11.93413	11.91495	12.58727	12.53122	12.63348	12.51069	12.24734	12.74041	12.94973	12.75185
NUCB1	8.3926035	9.4813975	8.954045	8.451789	7.20733	6.9834285	6.8434375	6.933518	6.746054	6.843127	7.0443705	7.0398395
PLXDC2	2.898355	2.839158	3.022418	2.849508	7.508246	4.947834	2.980395	7.291697	6.428657	6.375691	4.914431	4.764668
MYOCD	4.1391675	3.673139	3.967424	4.9838585	3.9718035	3.550689	3.64697	3.7768405	4.2879885	3.602162	3.926562	3.777764
DNAJC12	4.258388	4.300841	3.539898	4.377885	7.984042	8.495047	8.459641	8.009006	7.670082	8.104395	8.410326	8.594397
HDAC10	5.624307	5.9323185	5.824504	5.8868425	5.6570935	5.553789	5.594028	5.6009625	5.287635	5.3303185	5.513353	5.4805045
CLCN3	8.0825085	7.8457455	7.572309	7.5642305	8.887629	9.0357795	9.3796095	8.967618	8.235266	9.133684	8.357557	9.2160045

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
ANK2	3.916165	4.15895	4.3789855	4.6119475	5.029556	5.4767305	6.4668895	4.8024775	5.240765	6.3875775	5.2424525	6.44482
POU2F3	3.077019	2.800187	2.766135	3.125222	3.614111	4.334301	4.534749	3.306862	2.920045	5.536433	3.613731	4.924252
AMD1	8.798707	8.7099595	9.0428355	8.98239	11.136515	10.98442	10.750835	11.0845	9.5378225	9.4988395	9.174253	8.7591965
TSHR	2.847803	2.803543	3.003821	2.774636	2.907951	2.711814	2.961617	2.767858	2.869383	2.700038	2.699978	2.551744
DYM	5.946852	5.732852	6.1031905	5.7943835	5.7462005	5.7216065	5.692717	5.6501585	5.770121	6.315804	5.780448	6.485431
CDKL3	4.110334	4.365192	4.4250065	4.1145525	4.5076825	4.1538405	4.1616005	4.510153	4.188777	4.698593	4.503693	4.755541
PRUNE2	3.828951	4.224183	4.159103	5.352358	3.599583	3.34039	4.571991	3.381429	4.591451	4.228834	3.565094	4.069106
PEBP4	4.809891	5.123722	4.697495	5.235025	5.229513	4.734164	4.785608	4.927776	4.72547	4.939168	4.980086	4.725126
RTN4R	4.298409	4.34193	4.459466	4.052678	4.460665	5.321419	5.516987	4.268004	5.446433	5.223951	5.089381	4.873066
CWF19L1	6.784612	7.391149	7.147995	7.109	8.099184	7.803615	8.025801	7.938785	7.662571	6.956546	8.036583	6.400618
CCL17	4.760528	5.229982	4.901901	4.846421	4.543528	4.678516	4.629438	4.763502	4.586218	4.405231	4.672349	4.586218
NR2C1	4.3710225	4.459946	4.866918	4.842722	5.6214725	5.46655	5.923329	5.475596	5.1968015	6.6296735	5.6461175	6.7936105
EXOSC9	8.287184	8.599404	8.483347	9.192909	8.873194	7.729315	9.880561	8.703515	9.095049	8.764699	8.446515	8.608407
PLP2	11.64465	11.7507	11.36224	11.05268	8.895918	8.527805	9.755583	8.785096	10.33762	8.705011	9.537582	8.543771
HSF4	5.600992	6.000768	6.001216	5.851747	5.918462	5.846582	5.631656	5.835487	5.920758	5.517349	5.916601	5.674801
STIM2	6.849761	6.493532	6.934724	7.114742	7.848166	6.819058	6.42249	7.882555	6.81315	6.115063	6.319651	6.125648
ATXN8OS	5.043052	5.252994	5.157091	5.135065	5.075438	5.121353	5.065814	5.44506	4.704195	4.907648	5.066106	4.96505
RAX	5.629362	6.241365	5.807039	5.478739	5.505341	5.7445	5.418097	5.519249	5.455134	5.766064	5.815616	5.63181
GUK1	7.7228515	7.9146595	7.6386085	7.9274295	8.023226	8.2881445	7.687739	8.294734	7.413305	7.704438	8.5283065	7.4124085
SEC14L4	4.634066	4.483787	4.489782	4.034317	3.897324	3.781822	3.575103	3.739423	3.734332	3.745346	3.786805	3.541749
PRB4	5.505483	5.952393	5.277761	5.151288	4.955849	4.732358	4.63923	5.127821	4.948462	5.224041	5.040899	5.759339
MYOD1	5.548944	5.505595	5.414555	5.380645	5.055277	5.354521	5.267344	5.154696	5.354223	5.233592	5.408165	5.035489
SLC22A4	9.068541	7.282492	9.018896	7.700413	5.697669	5.140442	3.869906	5.737357	8.177568	4.852984	6.672133	4.232607
EML4	6.4008595	6.4839405	6.232546	6.0837115	7.9378605	7.1754165	7.7169575	7.8021495	6.53453	6.594125	6.2998245	6.610048
ST7L	5.389707	5.218865	5.6417825	5.063612	5.6197065	6.275945	5.760023	5.4108815	5.6583225	5.6385505	5.639945	5.744213
DPPA2	3.962947	3.830699	3.850801	4.064636	3.932024	4.301729	3.696861	3.847286	3.778682	3.983049	3.841252	4.177816
MN1	8.274557	8.477416	9.395744	7.94893	9.442251	8.274055	8.021947	9.456131	9.58534	8.498749	9.105955	8.589899
STAG3	5.277706	5.570785	5.86067	5.11437	5.095125	4.539505	4.93756	5.0765	5.643701	5.119913	5.045083	5.097594
APP	10.25798	9.955166	9.154184	10.54754	11.15519	11.48926	11.00096	11.16675	11.45569	11.59996	11.64311	11.62022
MRRF	7.962585	6.820743	7.389225	7.266004	8.414861	8.227174	8.865732	8.539426	7.25624	7.837066	8.147305	7.948853

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
NDUFB6	7.120359	6.696543	6.889032	6.8884185	7.4500995	7.138178	7.538987	7.439013	7.3014685	7.928023	7.336149	8.0088615
ETV3	6.278428	6.124301	6.281508	5.203251	5.545741	5.068205	5.146971	5.623322	5.48959	5.855707	5.668576	5.800275
SLC11A1	5.8982975	6.03562	5.849516	5.957917	6.003405	5.945847	5.878085	6.0449275	6.014884	5.720145	6.078825	5.5899975
TP53BP1	6.06429	5.441788	5.267642	5.174839	6.049052	5.278425	5.447428	5.969144	5.356226	4.79178	5.279997	5.16167
DUOX2	3.394059	3.565093	3.509349	3.608406	3.278425	3.486753	3.502006	3.683679	3.486753	2.859847	3.724948	3.055953
TEX2	8.028872	8.253846	8.670468	8.744289	7.921873	8.75455	7.909017	8.162895	8.184748	7.321225	8.761838	7.743364
ABCB11	3.7843405	3.7204785	3.914001	3.757591	3.677897	3.645941	3.662831	3.594971	3.491657	3.58452	3.498138	3.5762055
ACVRL1	6.7572045	6.899132	7.2839205	6.955931	5.3831	5.3570555	5.179497	5.404413	5.006191	4.759072	5.5864665	5.555465
CCNE2	7.165694	7.4501625	7.417787	7.3335515	7.4597905	3.743105	8.084107	6.8337505	5.4692095	6.3806325	5.105641	5.905964
SUCLG2	9.3278695	9.69329	9.5564575	9.8911865	9.714598	9.2584435	9.813714	9.735162	9.051096	9.16927	8.444858	8.5494285
EIF4EBP1	9.630257	9.536497	9.800715	9.812544	8.514803	8.76725	9.801067	8.170211	10.91826	9.75959	10.74123	9.809006
CTTN	6.707871	6.702505	6.820307	6.444729	6.772518	6.673871	6.69757	6.864461	5.434239	7.355196	7.214031	6.901857
MBTPS1	8.913952	8.8399135	9.012344	9.1895985	8.9635325	9.494488	8.6553975	8.9496835	7.962234	8.551203	8.315986	8.169764
DUSP21	4.631819	4.584083	4.770216	4.625926	4.540271	4.391216	4.280751	4.452762	4.266634	4.574475	4.509024	4.043386
KCNE2	6.055496	5.725239	5.781754	5.687206	5.787364	5.686251	5.632433	5.66569	5.898736	5.523666	5.60538	5.521919
XRN1	6.6694375	6.415852	6.451321	6.2332595	6.153551	5.5185785	6.2358865	6.247763	6.943896	6.431868	5.673014	6.288243
SORT1	5.131782	5.782061	5.630072	5.925819	6.618383	5.417327	7.222402	6.294885	7.476407	7.640846	4.086029	7.088255
MYH4	3.247824	3.425868	3.196658	3.374464	3.208146	3.136584	2.998338	3.062503	3.132607	2.872356	3.08003	2.94886
MSN	11.69568	11.76618	11.68883	11.85675	12.08354	11.60637	11.5899	12.0701	10.94388	11.66329	11.68319	11.66183
CKLF	8.2814355	8.044115	8.058756	8.101088	8.2193005	6.800828	8.162134	7.97054	8.54146	7.824563	8.073626	7.6643275
HPCA	4.78719	4.942588	4.851191	4.929106	4.94459	4.678516	4.932021	4.919812	4.734081	4.851191	5.006477	5.07724
RBBP6	6.398024	6.410702	6.619317	5.863744	7.269223	6.901458	7.570618	7.160663	7.3242845	7.876259	6.6632535	7.728603
SOAT2	5.352596	5.483199	5.100026	5.992066	6.890619	8.808571	7.028382	7.007961	4.892766	5.035971	7.183505	5.834817
PCDHGB7	3.8683815	4.040937	3.8609105	4.1178735	4.0936125	3.854153	3.8510585	4.0532885	3.8922755	4.0088385	4.092035	3.860636
ARF3	8.339825	8.998452	7.886608	8.423466	7.870488	8.142394	7.889946	7.710647	7.135383	6.59867	7.358777	6.583646
PARP15	2.577456	2.821393	2.857646	2.8940915	2.9013595	2.9594895	2.6898505	2.86773	2.6449215	2.7958645	2.7989215	2.769612
SYT16	2.470144	2.405659	2.434855	2.584839	2.366979	2.535538	2.54333	2.293526	2.626723	2.484091	2.740115	2.471287
SERPINA7	3.720753	3.987659	3.722301	3.866832	3.871683	3.562733	3.775859	3.740245	3.715194	3.802287	3.793639	3.751451
ALG1	6.737759	6.841981	6.640212	7.615231	7.725046	8.076663	8.116679	7.834797	7.902472	7.104665	7.801691	7.187742
ACTR2	9.217707	9.605171	9.318049	8.367254	9.598448	10.71525	10.25182	9.676371	8.529433	7.5235	8.607022	7.421361

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
EAF2	2.423701	2.459993	2.315093	2.459719	2.429348	2.48664	2.577473	2.368497	2.412856	2.263467	2.475986	2.331847
ZNF136	6.58035	6.491624	6.569908	6.556572	6.179776	4.664518	5.111851	6.110397	6.694652	6.6992	5.978238	7.200486
PTBP2	6.0619565	6.0154815	6.2992675	6.5298875	7.736389	6.281306	7.686207	7.585526	7.321291	8.3862805	4.9839165	7.843367
CCDC85A	5.334389	5.372532	5.282772	5.351481	5.188924	5.302377	5.40225	5.522895	5.30447	5.108982	4.73337	5.096515
HSD17B4	5.716918	5.582921	5.8368375	5.946488	6.2006025	5.8259285	5.9608395	6.2327705	6.025457	6.2216515	5.840038	6.130248
MAGEC1	2.988944	2.863064	2.99483	2.958826	3.337476	3.043482	3.079069	3.005572	3.040764	2.760796	2.934403	2.74711
LUC7L2	8.2253265	7.8706345	8.0163865	8.1990515	8.320818	8.144432	8.337177	8.3788615	7.7951205	7.8768015	7.864947	8.3514715
RPS6KB2	6.61732	6.265221	6.051073	6.895194	6.720384	7.13697	7.447191	6.568202	6.705864	6.282312	6.936498	6.433588
NOSTRIN	3.456781	3.505249	3.530253	3.239193	3.959284	3.756201	3.509802	4.248143	3.638871	3.505249	3.791106	3.347328
CCDC13	4.8494915	5.4679605	5.0130205	5.4959015	5.5085435	4.7898835	5.4739205	5.4034055	4.844631	5.0923535	5.1231215	5.0555885
CDH22	5.7397885	5.7695905	5.895429	5.8264505	5.7379905	5.518333	5.49116	5.6378665	5.6506125	5.5609175	5.814453	5.530705
ZNF91	4.4409675	4.562728	4.4982515	4.6618565	4.8552405	5.393157	5.149198	4.8210075	4.807822	5.2164915	4.1902	4.7416235
CYTL1	3.205991	3.994249	6.349469	4.318427	7.481098	6.651319	8.777457	6.661924	9.071808	8.43671	8.847516	8.284924
RASSF5	4.661744	4.939635	4.4704235	4.912701	4.6077245	5.223533	4.5377975	4.6614015	5.074323	4.115108	4.559154	4.0964065
VPS11	7.582454	7.42903	7.511423	7.48367	7.387963	6.877166	7.226908	7.45947	7.495733	7.465293	7.885445	7.685138
GTF2H1	7.850706	7.420308	8.288918	7.792153	8.451552	8.744761	8.486244	8.505637	8.370623	7.405476	8.361163	7.361667
TRIM3	4.7811075	5.8494625	5.183716	4.9159395	4.338521	4.298675	4.293935	4.226177	4.188323	3.935622	4.238207	3.952834
PSG6	9.927955	10.70033	10.11215	8.542877	5.439504	6.282947	4.752366	6.081374	4.501966	4.457565	4.572031	4.343636
SLC6A2	3.718478	3.8313145	3.6035305	3.8443725	3.792879	3.8749335	3.815376	3.8538335	3.843028	3.7282125	4.0713875	3.8805095
GFOD1	4.0020535	4.2330145	4.1827485	4.7540735	6.4209065	7.069057	6.389043	6.3493635	5.662333	7.786517	8.398081	7.3886105
MPP4	4.023392	3.8226885	3.7490505	4.3080535	3.86973	3.506475	3.366416	3.6110675	3.981473	3.5168695	3.759268	3.46776
KLK15	4.3773805	4.440357	4.2642445	4.1561925	4.07113	4.012384	4.0880595	3.953322	3.636118	4.139583	4.0481575	3.958947
ANKMY1	4.200111	4.352857	4.337045	4.392013	4.747663	4.29066	4.202036	4.30328	4.094663	4.148571	4.783393	3.794526
REG3A	3.313477	3.631949	3.360987	3.59996	3.3667515	3.6101405	3.5566135	3.475525	3.3917835	3.466845	3.537832	3.364119
RPS15	8.814421	8.873434	8.86485	8.7657465	9.008825	8.911385	9.2518025	9.092006	8.988684	9.0117095	9.0247385	9.1150905
FAM45A	3.067943	3.005354	2.864927	3.078896	3.135441	3.205991	3.085361	3.140003	3.100882	3.199262	3.244283	3.136489
B3GALT1	3.470731	3.5457655	3.3761315	3.8052845	3.674587	3.5674115	3.736168	3.565141	3.4936665	3.324277	3.5645035	3.284343
SLC2A6	5.695827	5.278611	5.896636	6.016603	6.971542	8.153972	7.58766	7.062048	7.16023	6.441023	7.10066	6.341238
NUP205	7.7931435	7.492153	7.2826935	7.206582	7.3171365	7.4460955	8.123714	7.167798	6.985747	7.7679215	7.153577	7.5669625
DKFZP586I1420	5.405475	5.510486	6.037902	5.420905	6.151341	5.579122	6.415653	5.984131	6.339467	6.784913	5.225902	6.686152

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
SERGEF	5.282091	5.378706	5.549609	5.428707	5.710224	6.651296	6.233616	5.591416	5.201883	5.447795	5.78673	5.665104
NIPBL	7.370089	6.931033	7.597357	7.481876	7.498954	7.481279	7.733847	7.305915	7.927553	8.254684	6.035909	8.166086
PAX9	3.338355	3.551092	3.4997905	3.6043315	4.985075	6.051857	4.529986	4.7713875	3.4232585	3.6088275	4.8139005	4.008156
SYT12	4.299946	4.595334	4.651438	4.613362	4.553146	4.360908	4.654993	5.012298	4.310566	4.36375	4.71065	4.271617
TRIP13	9.347527	9.122781	8.615255	9.126534	9.19993	7.410994	9.65132	8.823469	6.838757	8.301875	7.448079	8.2723
MAGEA4	3.022107	2.380042	2.603179	2.480776	2.618134	2.659096	2.495402	2.453002	2.633566	2.409737	2.585517	2.399822
KRTAP19-3	3.121092	3.368288	3.34727	3.397532	2.954625	3.197377	3.147569	3.041882	2.877299	2.657269	3.062293	2.849612
UBQLN1	8.430525	8.072519	8.23929	8.63848	9.347627	9.566185	9.86236	9.334716	9.725403	8.184181	8.836837	8.172295
SMO	6.329112	6.488275	6.491957	6.277214	6.117035	5.949214	6.309531	6.268581	6.371481	6.790601	6.332684	6.833453
PXMP2	7.594462	7.477322	7.544383	7.886396	8.645357	6.226793	8.140437	8.337013	7.39231	7.897726	7.808775	7.92975
DIRAS1	5.090415	5.177487	5.1530975	5.485188	4.5348165	4.2266155	4.200747	4.517159	4.535371	4.1253805	4.605965	3.811231
UBR2	5.375447	4.855006	5.4811265	5.374371	5.5839635	5.3671955	5.542748	5.4273815	5.1733655	5.881656	5.3288455	6.0323145
RPH3AL	5.080926	4.931447	4.996223	4.769379	3.820509	3.908059	3.647062	3.845004	3.862175	3.78205	3.676057	3.503824
PGLS	7.1335445	7.443554	7.412146	7.503929	7.29831	7.3472565	7.2464525	7.418508	7.599409	7.3542445	7.9289885	7.663447
RAB11A	8.444098	8.384669	8.436757	8.999295	8.914773	9.36103	8.802374	8.721872	9.306633	8.464743	8.519663	8.037094
GRIK5	5.351379	5.319671	5.28067	5.042142	5.223497	5.165357	5.110155	5.432686	5.392084	4.840814	5.530523	4.856911
HDDC3	7.590379	7.820116	7.750586	7.634797	7.308821	8.151034	8.240719	7.48519	7.780833	7.851249	8.593448	8.109103
RAE1	8.795065	8.640579	9.089988	8.987248	9.23904	9.51189	9.343527	9.218123	8.957678	8.699965	9.808323	8.272322
MCM6	7.6159	7.396896	7.4153425	7.750503	7.12517	6.673446	9.314886	6.857218	7.998882	7.739952	6.77403	7.7154525
NPR2	6.976201	7.262688	7.5015045	6.75877	7.2308565	7.336896	6.6680595	7.4802755	6.5451725	7.1898835	7.89366	7.6040235
PLA2G2E	5.251472	5.585337	5.210358	5.415689	5.293364	5.362988	5.184332	5.174839	5.172229	5.002163	5.129789	4.764668
BRD9	8.131882	8.125589	8.059438	8.15929	8.067668	7.297435	8.18405	8.10401	7.64433	8.424405	8.069358	8.405497
MORN1	4.6180605	4.7728605	4.6931475	4.589941	4.8868695	4.746902	4.578314	4.753782	4.673768	4.494934	4.742143	4.2895795
HERC3	5.1556065	5.107516	4.7072595	5.225416	4.4395005	4.4223755	4.084924	4.6114525	4.0572695	4.169893	4.088006	3.956439
PGBD1	5.706453	5.460285	5.555635	5.72946	4.59355	3.50033	4.730077	4.660085	6.449264	5.114646	4.07446	4.264468
RNF133	3.740164	3.910501	3.965322	3.697663	3.49499	3.26895	3.496033	3.620437	3.589454	3.465502	3.302305	3.147339
S100A11	12.10072	12.25827	11.52593	11.82948	11.50902	11.91546	9.460545	11.43683	11.86513	10.4921	11.98354	10.27276
GLRA2	4.774059	5.387687	4.849234	5.068386	4.753921	4.884462	4.91682	4.97862	4.576895	4.449428	4.478236	4.159027
ACE2	3.1005945	3.1306025	2.966861	3.040052	3.2092735	3.071839	3.0809795	3.201977	3.169542	3.024984	3.319603	3.1527355
SCARF1	3.877855	3.73075	3.7418805	3.8176815	3.7064445	3.778692	3.8141335	3.813925	3.984877	3.7945675	3.9290485	3.7445025

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
EYA1	4.556485	4.848225	5.16783	4.747272	4.925596	4.569753	5.738495	5.142177	6.145241	6.664148	5.085542	5.152102
RNF157	4.9864545	5.052733	4.9945945	5.2484095	5.874167	5.1422965	6.787931	5.800954	5.6089165	7.062834	5.2058355	7.364812
SIRPB1	3.974296	4.001916	3.984555	4.028053	4.011201	3.947186	3.927069	4.088267	4.039292	3.752785	3.831434	3.956923
KIAA1755	5.038799	5.3010635	5.007564	5.183232	4.952492	4.9290445	4.632134	4.64941	5.33591	4.466	5.1819205	6.1322065
ARHGEF15	5.2808305	5.247021	5.2334695	5.0738145	5.247388	5.0490615	5.1651775	5.210994	4.8261275	5.2050145	5.001139	5.1493725
PRC1	10.12596	9.859151	9.661249	9.762815	10.28923	5.573871	10.44087	9.855444	7.420238	9.477142	7.613738	9.258013
ATP2A2	9.072469	9.310149	9.3626425	7.7837645	7.5683635	6.9499915	8.046166	7.581971	7.336538	8.457986	8.0387735	8.1115745
KLF8	4.719661	4.565009	4.798132	3.504238	4.194333	5.653068	5.448992	4.0983	4.811736	3.660552	3.863363	3.774293
CD164	11.27459	11.1063	11.02685	11.24355	10.97964	11.21755	10.4346	10.94522	11.38904	9.892188	10.69925	9.774215
ELOVL2	3.7687425	4.348864	4.00409	5.210212	3.88804	3.664548	4.657684	4.0548675	4.9559945	5.401041	3.991589	4.2993795
NUDT21	9.267365	9.381219	9.126176	9.192909	9.383486	8.000187	9.470705	9.300869	8.440609	8.253759	8.518957	7.813779
LSP1	5.358813	5.524277	5.409461	5.63181	6.380144	7.305793	5.973995	6.28048	5.287395	5.756615	6.856296	6.353665
MRPS9	7.424895	7.400599	7.545606	7.802752	8.90628	9.667407	9.255468	8.759752	8.205283	8.945473	8.948484	9.609526
KRTAP3-1	5.72933	5.494644	5.762496	6.408434	5.700449	5.579995	5.660846	5.702252	5.629353	5.371483	5.687799	5.530128
USP33	8.550928	8.247838	8.133569	8.17664	7.726213	7.149964	7.688126	7.626701	7.689636	7.595596	7.091869	7.402329
ZBTB26	6.2022185	5.8034685	5.943053	6.036411	6.056677	5.2306625	5.9727965	5.9501185	6.6348305	6.252948	5.749731	6.0770965
POU4F1	3.330194	3.324566	3.709485	3.430898	3.469261	3.449405	3.661047	3.629216	3.491078	3.353009	3.44643	3.671099
PIGN	7.2300295	7.0618505	6.9124425	7.3725385	7.9312615	8.1493795	7.39946	7.8669015	6.8408625	7.3594565	7.7535355	6.915171
LIMK2	6.621096	6.393449	6.616838	6.976559	7.655906	7.450893	7.005701	7.758631	7.634284	6.919594	7.363478	7.151991
HBQ1	5.159623	5.206402	5.197076	5.216952	5.502618	4.785564	5.465821	5.069105	5.635925	5.260369	5.207895	5.267998
ALPK3	3.919999	4.3900535	4.105691	4.2774745	4.118501	3.9013785	3.8946865	4.0019365	6.2458195	3.90049	4.2017675	3.671356
PSEN1	6.099257	6.034905	6.158358	5.393496	5.026537	4.902221	5.006015	5.105096	5.560728	4.868496	4.878226	5.059762
GRIPAP1	6.599976	6.483496	6.857944	6.995055	6.800401	6.844263	6.920641	6.86658	7.704479	7.471935	7.386516	7.059967
GLDN	4.9301085	4.8941865	5.422398	5.457032	5.1214415	4.7524215	4.933298	5.0655105	4.8670315	4.7117645	5.1041485	4.735765
GCG	3.140407	2.997489	3.249287	2.961532	3.389144	3.23939	3.147867	3.350143	3.028615	2.955087	2.915935	2.862811
C1QBP	9.903726	9.7677725	10.158513	10.61025	11.863585	12.400655	12.38753	11.84936	10.737575	10.85149	11.61733	10.873715
TFAP2C	5.9265165	6.169974	6.2775365	6.327302	9.3553625	8.771391	9.7731765	9.463564	4.913623	7.9379735	8.3542515	8.7347165
BLNK	2.577861	2.849171	3.021441	2.758009	3.224431	2.953517	2.991044	3.563328	3.396453	5.237246	3.094235	3.765887
B3GNT4	6.21707	6.793174	6.550196	6.163874	6.525993	6.333158	6.354614	6.546575	6.538079	6.577426	6.67238	6.617348
CXCR6	4.472859	4.5526355	4.476188	4.2326755	4.197263	4.1362525	4.0693245	4.3021245	4.2082775	3.96395	4.096544	4.340104

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
DLG5	7.04349	6.6629285	7.503171	6.9023225	6.9137505	7.035728	6.675645	6.982892	6.9274375	7.4568345	7.47839	7.1919645
ACBD5	7.9046375	7.6489425	7.4728055	7.340916	7.8530475	7.59315	8.2891415	7.882616	7.6970815	7.5311985	7.678851	7.789398
GOLGA2	7.503999	7.812535	7.62658	7.014949	7.042038	6.979996	6.736883	6.921172	6.902392	6.510823	6.305631	6.568986
PDE10A	3.061422	3.304705	2.948456	3.167647	2.864931	3.092405	2.873124	3.039423	5.366083	2.880602	3.072225	2.726207
SSTR2	4.591672	4.81539	4.505933	4.988143	4.803929	4.423641	5.100203	5.213988	5.058392	5.970373	4.806149	4.991892
CXXC5	9.915956	10.1827	10.08379	10.03503	9.714293	9.414768	8.493972	9.450775	10.56032	9.31567	9.626432	9.279742
CD48	4.157475	4.347507	4.1225935	4.0143395	4.3378765	4.4681825	4.467905	4.413051	4.281636	4.135633	4.51419	4.3545545
ZHX3	7.235646	7.2356415	7.1700445	6.903628	6.3760455	7.006013	6.2452385	6.4466085	6.1585425	6.082745	6.2870435	6.204781
FIGN	4.317701	3.4299315	3.7973155	4.7514805	6.4787695	6.1173765	7.1647805	6.555217	6.649672	6.504754	4.2386455	6.7815425
PHB	9.2111285	8.7275135	8.7603445	9.156596	9.583545	10.4002185	10.0641735	9.492792	9.315249	8.9975355	10.0193025	9.253759
ARRB1	5.641026	6.235188	5.92101	5.875718	5.896128	6.377646	6.785808	5.861784	5.526484	5.405059	6.027903	5.729288
HS6ST1	5.889193	6.389184	5.843427	5.531539	5.95748	6.120817	5.904025	5.864184	5.516755	5.546254	5.743767	5.421391
DLL1	3.8963075	3.7648895	4.0955485	3.752828	3.720272	3.7562155	3.8283715	3.696547	3.961195	4.737922	4.160727	4.544653
MANSC1	6.966743	5.701821	6.448362	7.200796	7.465951	8.260527	8.004264	7.464339	7.293853	7.637932	7.009778	7.410589
TRHDE	2.784065	2.438947	2.769587	7.001117	2.457214	2.833614	3.356623	2.426707	2.694568	2.943658	2.705945	2.869014
TUBB3	11.85498	11.78578	11.516855	11.756845	12.10808	11.5664	11.86405	12.127495	10.724915	11.13373	11.009565	10.681085
DDX31	4.831022	5.148968	5.376509	5.393141	6.685847	7.961504	7.236387	6.610559	6.612402	6.844442	7.845489	7.202143
CBLC	4.7873755	4.8560645	4.745278	4.7435825	4.85367	4.77023	4.842226	4.880595	4.7975445	4.5520705	4.8500395	4.8749825
OXTR	9.284544	11.2094	10.57144	11.68083	5.162326	5.306659	4.351516	5.685607	8.918235	4.422	5.036801	5.374243
ZFAND1	8.079042	7.698401	8.398099	8.212593	8.50945	8.707218	9.064245	8.384784	8.874679	8.429273	8.252686	8.586803
G3BP2	9.156038	9.419901	9.035494	9.181242	9.221586	9.995928	9.576411	9.115658	9.214483	8.006139	8.751544	7.771367
ELSPBP1	5.00748	4.937634	5.188391	4.919252	4.83383	4.921133	4.839173	4.998082	4.908961	4.800063	4.943503	4.852461
SLC18A2	3.4427265	4.512373	4.442978	3.831534	3.784926	3.9428605	3.9738185	4.015026	3.542642	3.5799515	3.5275725	3.1491785
NDUFS3	9.444513	9.261172	8.983561	9.360262	10.06657	9.777023	10.17176	10.00223	9.43095	9.617348	9.802526	9.641792
NR5A1	4.076201	4.426593	4.409757	4.578063	4.292377	4.517004	4.394089	4.512478	4.319118	4.086137	4.319118	3.908526
FAM83E	4.476649	4.460765	4.587306	4.268235	4.668199	4.554451	4.366781	4.480431	4.450482	4.172782	4.481544	4.620264
ARHGAP17	8.744713	8.895445	8.904863	8.999398	9.249804	10.21043	9.671541	9.284579	9.268484	9.300344	9.621081	9.45052
CDH4	4.629716	5.154112	5.1256915	5.360916	4.2533615	4.107704	4.549207	4.3281275	4.3619385	4.6675485	4.4228105	4.8475625
PIGG	5.857718	5.6926015	5.3647445	5.52884	5.7313945	5.9580545	5.798594	5.697863	5.3345895	5.0978505	5.4614695	5.0939395
ALG13	7.43154	7.612181	7.682011	7.505838	7.886149	7.114311	7.829367	7.809844	7.329517	7.396326	7.247439	7.156816

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
DCN	7.003496	6.9976985	7.1286635	6.8381325	7.249342	6.2243845	6.4503305	7.111191	5.930204	6.711781	4.459332	6.9549785
FEM1A	6.444239	6.4182775	6.457928	6.668915	6.7039025	7.1511585	6.8415005	6.862384	6.816566	6.783734	7.1004745	6.71743
CCDC9	5.888345	6.629205	6.156841	6.199669	6.342041	6.094131	6.630465	6.434684	6.015354	6.119563	6.359416	5.933867
RNASE6	3.125525	3.462532	3.233472	3.336976	3.185946	2.756574	3.061998	3.367248	3.24788	2.787796	3.337163	2.737214
GJA1	12.56743	12.36396	12.53002	11.53345	11.7294	12.07023	11.68599	11.79997	12.80085	12.69307	10.52183	11.99148
CNKSR3	3.6410595	3.761846	3.5970135	3.7365735	3.982937	4.0671705	3.9697755	3.926206	3.7525915	4.0745315	3.861779	4.1628725
OPTN	9.290374	8.960421	9.7948895	10.039181	9.775145	10.062738	9.63041	9.8924425	11.057315	9.9530725	10.256028	9.6841315
TRAF6	7.1376425	6.9893155	6.9962515	6.689159	6.4359395	6.889377	6.27696	6.515838	6.968692	6.596748	6.874765	6.628293
HSDL2	6.688251	6.957389	6.887336	7.288112	6.8321565	7.2820315	6.9307855	7.114527	6.198667	6.6187955	6.0611135	6.6612975
TCF3	6.0503505	6.7301905	6.085701	6.014095	6.1091755	6.087126	6.0528415	6.0750165	6.1559625	6.268953	6.152588	6.2701875
ALDH16A1	6.206136	6.746629	6.396665	6.844113	7.451961	6.7281	7.592485	7.32017	6.890162	6.882085	6.84262	7.162983
CRISPLD1	2.691392	2.92917	2.803846	3.041016	11.84085	10.78756	11.04337	11.9706	7.159293	12.06693	6.030368	12.48063
SETMAR	4.935668	5.10805	4.885668	5.063517	5.401136	5.105775	5.281321	5.455381	4.84533	5.094881	5.086008	4.71142
TARDBP	8.214127	8.2833585	8.527795	8.6162475	8.8040335	8.1107455	8.8775425	8.703769	8.625862	9.120005	8.4620325	8.774989
TYR	3.11544	3.260784	3.100679	3.171126	3.381429	3.28177	3.492887	3.251148	3.282962	3.409926	3.191724	3.17711
TSPAN14	6.8021685	7.049018	7.1041115	7.1710475	7.438068	8.5449355	7.7867665	7.2559055	7.820123	7.835632	7.140096	7.561912
DBH	4.973309	5.234867	5.2004115	5.0931145	4.9198145	4.9903805	4.8411955	4.955029	4.842024	4.546548	5.096586	4.52995
THOC2	7.683869	7.5046315	7.769901	7.245081	8.70961	8.6840585	8.451887	8.849623	7.6524475	8.739517	6.927615	9.0794595
SLC35F5	4.574636	4.868272	4.966087	6.02086	3.307741	4.736919	4.799013	3.774367	5.376461	4.104505	5.152006	3.845187
TMEM17	6.626913	5.896433	6.697464	6.659077	7.115941	7.518811	6.555259	7.167161	7.988627	6.740151	9.032507	6.489813
CGN	4.748825	4.951932	4.7686065	4.7249535	4.821631	4.9861335	4.857333	4.9999325	4.806957	4.611254	4.8658145	4.487907
PHF11	6.3602325	6.178906	6.485717	6.18682	5.960291	5.1308305	5.83186	6.1389005	5.97445	6.426568	7.0180525	6.208658
TUBAL3	3.305765	3.222338	3.590047	3.884552	3.549366	3.385808	3.533629	3.788344	3.663866	3.318411	3.561513	3.455397
FUBP1	7.644455	7.779205	7.082703	6.947363	7.6843	6.936378	7.829193	7.375762	6.948721	8.788575	7.046453	8.711491
TSPAN31	8.5941765	8.521305	8.8130275	8.769414	8.1612925	6.393741	8.168388	8.2759985	8.011774	8.2519835	8.0671115	8.0964345
CES2	8.100224	8.450188	8.023081	8.159004	8.137124	9.073346	8.076486	8.110054	7.770526	8.579178	9.570515	8.790758
GLUD2	5.4569835	5.590276	5.4988465	5.429625	8.055304	6.3673435	6.5723695	7.928156	5.686745	5.207171	6.117549	5.4239545
ZNF585B	3.109549	3.048056	3.175949	3.123869	3.231552	3.176282	2.835053	3.110677	3.211764	2.967731	3.284163	2.989515
ZNF311	4.697968	4.0387275	4.2975435	4.36598	4.635159	3.782064	3.9635305	4.6113145	6.033939	5.359255	4.856588	4.980532
FPGS	7.63183	7.496748	7.284848	7.636932	7.4672	7.139638	7.382961	7.341877	7.238323	7.319671	7.361211	7.374659

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
TRO	5.865903	5.619481	4.880939	5.2121325	4.965468	3.8370165	5.243703	4.8417625	6.772126	6.578218	3.5376025	6.657634
PLSCR4	8.25326	8.112568	8.535923	7.923851	7.061859	7.754094	9.263949	7.049249	9.280942	7.254505	3.903503	7.751356
SCNN1D	4.678116	5.029664	4.500763	4.353548	4.48355	4.807088	4.185317	4.307965	4.663875	4.620862	4.696664	4.357028
LIPA	6.328939	6.0014445	6.618201	7.058165	7.019298	7.592596	7.192488	7.0508675	7.0284855	6.708861	7.073884	6.9630615
BTN3A1	7.192171	7.4045565	6.9927755	7.162327	7.220712	6.4084135	7.4641525	7.0551635	8.3696825	7.8161445	8.012525	7.9246715
COQ3	7.54773	7.385122	7.31598	7.748015	7.983386	8.200104	8.8384385	7.8405055	7.64059	8.2375015	8.121188	8.463277
HBEGF	5.3909215	5.374206	5.460066	5.4881055	4.8494665	5.6373455	4.61082	5.1042565	5.6272625	4.570162	4.9149615	4.540346
WAC	9.334283	9.390411	9.206748	8.5904715	9.14097	9.248969	8.9084095	9.089852	9.386886	8.3216755	8.6156885	8.236141
LMNA	9.741467	9.884517	9.8473495	10.021242	9.3303995	8.9335845	8.972325	9.2175715	8.557744	9.0393565	9.358163	9.016334
DDHD2	7.692491	7.832827	7.99172	7.846437	7.17716	6.246458	6.309853	7.031992	8.227773	7.395776	6.840108	7.364635
KLF12	5.6699815	5.6921625	5.5334805	5.8552455	5.123849	5.74834	6.246542	5.1752525	5.420701	6.1923525	4.795301	5.820025
CHRD	4.760429	5.041581	4.860604	4.8613915	5.413798	5.2633125	4.7286885	5.1620275	4.751628	4.817677	4.8543915	4.5639905
TRAF4	5.846468	5.652181	5.846468	5.793079	6.203122	7.010008	6.506136	6.306735	6.825113	6.032953	6.546173	5.815989
TNFSF8	3.242297	3.309287	3.120736	3.102554	3.321229	3.327733	3.169953	3.363518	3.265178	2.955087	3.433043	2.960455
FLNC	9.905451	9.657142	10.41432	10.72633	7.019589	8.899402	6.803216	7.336877	8.035108	7.204289	7.630568	6.969604
KATNAL1	7.684318	7.4085405	7.6927515	7.84738	5.809971	5.271761	5.7301625	5.913949	6.4713145	5.5035025	4.330495	4.6151665
SCGB2A2	2.378643	2.605704	2.55856	2.435075	2.378058	2.572253	2.3762	2.638757	2.571575	2.494332	2.721548	2.386553
TM2D1	5.646827	5.273411	5.2714445	5.4959165	5.813669	6.218757	6.0804185	5.9051055	5.9418715	6.4182785	6.1031025	6.899863
HAX1	7.4579605	7.75995	7.5325215	7.367998	7.460818	7.20517	7.542442	7.2925765	7.6950945	7.5459365	7.9826015	7.7206505
IRF2BP2	9.004529	9.375465	9.180766	8.714419	8.777424	8.573412	7.944066	8.646482	8.837673	8.309666	9.047688	7.782652
SMC2	7.277878	6.928154	6.761271	7.424051	7.435797	6.008624	7.708152	7.192151	7.272003	7.163639	5.580526	6.97582
ZNF23	7.712692	7.742064	7.324097	7.413341	6.538977	7.368056	7.002899	6.655801	7.072596	7.31967	7.291684	7.352583
CASP6	6.995998	6.633438	7.145837	7.1448085	7.0526005	5.859968	7.608713	7.027721	6.9975105	7.0020585	6.557512	6.8684595
ADAM2	2.582591	2.511508	2.708737	2.60981	2.561013	2.609708	2.435339	2.587247	2.469828	2.474648	2.437142	2.587247
SEMA7A	6.9428635	7.3492165	6.821538	7.3465835	5.535249	6.4946515	5.6319275	5.573008	6.190325	5.7618405	6.6265075	6.068434
GOLT1B	10.30347	10.164349	9.9976975	10.25037	9.629355	9.9704425	9.538162	9.6790255	9.8774855	8.9772795	9.3886455	8.8734355
BET1L	7.7627985	8.626693	7.8897085	7.669745	6.8293495	7.1710395	6.750206	6.830908	6.724927	6.50912	7.0114005	6.9858785
POFUT2	5.364677	5.716015	5.394632	5.9532375	5.4400485	5.448701	5.543823	5.542455	5.204976	4.9147035	5.3189845	5.095858
PPM1J	5.210745	5.682428	5.845982	5.833407	5.18792	5.306015	5.066844	5.424658	5.445908	5.138464	5.575423	4.938121
CLTC	2.486192	2.276696	2.695785	2.332831	2.4784	2.535898	2.297608	2.498557	2.456876	2.46415	2.471769	2.606213

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
CRYBB1	5.342227	5.503925	5.388299	5.472512	5.469162	5.421127	5.280124	5.385921	5.443915	4.814586	5.210577	4.970313
OVGP1	5.70589	6.111855	5.646037	5.475912	5.704813	5.77259	5.706616	5.87807	5.866542	6.198423	6.293178	5.79725
NAP1L1	10.12278	10.59355	10.53959	10.78602	10.65741	10.68772	10.80965	10.92208	10.53055	10.3188	10.46111	10.53541
PLEKHG1	4.216499	4.149187	3.851952	4.037724	5.250602	7.167184	5.626751	5.616117	4.725734	7.807474	6.546361	7.311779
FEZ1	7.5239005	7.3799125	7.374553	7.3145775	5.559658	5.1855515	4.953516	5.7689005	7.0120525	6.614925	6.754164	5.3801005
IMPACT	7.82997	7.745187	8.0931555	8.068028	8.5310965	8.735695	8.2871195	8.4178855	8.3591545	7.3481965	8.1375505	7.6953975
PASD1	4.319606	4.305113	4.447082	3.958891	4.215577	4.087673	4.41426	4.095298	4.370754	4.341453	4.241563	4.521777
MPI	6.768484	6.9915185	6.9661235	6.9432025	6.3529175	6.273858	6.6999835	6.404993	6.346044	6.3879545	6.031759	6.1470695
PCDHA3	5.262089	5.341908	5.37639	5.30829	5.098248	5.478271	5.368412	5.30447	5.294374	5.058087	5.281913	5.357458
FUCA1	4.448512	4.4095935	5.2919355	4.746088	4.9864035	5.765266	5.4025405	4.9900485	5.6426565	5.2815205	5.530114	5.10049
LITAF	9.949868	9.723145	9.9851	9.695738	5.298321	4.75711	5.04064	5.323508	11.03152	6.146819	4.676798	3.980206
KIF9	7.0450815	6.8606505	7.1140765	7.0990835	7.278988	7.66777	7.6509515	7.226885	7.0313715	6.88223	7.861698	6.546257
QRICH2	5.003685	5.46219	5.267448	5.091857	4.936794	6.327762	4.862512	5.097674	5.097046	5.427581	6.379685	5.416955
RIN1	7.374313	7.77884	7.177532	7.440567	6.280692	6.884068	6.817726	6.478159	6.282313	6.748214	7.152808	7.062494
PCK1	2.971321	2.924468	2.999852	2.879385	3.187897	3.062705	2.88708	2.88708	2.962085	2.905567	2.825486	2.996995
MLPH	8.695048	9.053827	8.541291	8.502678	6.622269	6.501239	6.336483	6.337507	8.668523	6.85417	6.952417	6.345948
CALML6	3.507047	3.853284	3.547381	3.510979	3.801876	3.344416	3.116862	3.643442	3.537747	3.287324	3.469422	3.336832
CEP170	10.400495	10.72517	10.23352	10.2496095	9.9825415	8.9977325	9.585874	9.929871	9.9838885	10.041203	9.0433815	10.0383205
MORF4L1	11.65363	11.79426	11.86745	11.85934	12.08896	11.90101	11.88791	12.13064	12.07075	11.42956	11.70084	11.03323
MTF2	6.710732	6.520944	6.162513	6.575344	7.261203	6.804365	7.65156	6.96812	7.466677	7.951438	6.294022	7.376159
DNAJC11	8.278927	8.213575	8.071438	8.017522	8.312934	8.919876	8.732779	8.224578	7.8533455	8.029861	8.4572125	8.1066515
FZD2	7.42042	7.79308	7.571169	7.9834855	5.910312	5.136837	5.730168	6.1465285	8.2677795	6.3352	5.509224	5.8026755
CASP7	8.146138	7.967543	7.744469	8.474549	8.605441	8.026134	8.47824	8.574463	8.714553	8.017365	8.533979	7.545869
MASTL	7.99703	7.270549	6.865216	8.127861	7.119415	6.008904	8.46453	6.858172	7.246183	7.487079	6.986788	7.52044
TAF10	4.881265	4.816983	4.954476	5.203968	5.847577	5.87561	5.514005	5.63511	5.552116	5.385871	5.386989	5.247771
ENPEP	2.9876105	4.871588	4.629318	6.805474	2.736033	6.457171	3.004586	2.8112435	3.6493345	2.6311775	2.943066	2.77113
LRRC4	5.386053	5.666378	5.600488	5.655001	5.575744	5.355389	5.380604	5.642304	5.440624	5.320747	5.596548	5.369576
PYGO1	4.112714	4.93758	4.825774	4.367214	3.541092	3.490346	3.026902	3.255691	5.12372	4.021005	3.737304	3.660207
SYN2	3.614649	4.215896	3.711668	4.310512	3.913261	4.455907	3.909814	4.134625	3.843868	3.707456	3.735686	3.925128
PAPPA	7.663109	8.11763	7.109991	6.583509	4.0053	6.06694	3.97016	4.422875	5.873018	5.273576	6.618383	4.327997

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
TOPORS	8.112005	8.22579	8.097362	8.375031	8.641522	8.748616	8.448063	8.654783	9.032619	8.653587	8.286325	8.727536
SLC25A16	6.826114	6.096272	6.210277	7.637172	6.604859	6.120858	7.180088	6.808776	6.823433	6.465889	6.144343	6.410359
RPS19	13.25857	13.31695	13.27839	13.37762	13.42275	13.52073	13.55381	13.43587	13.33815	13.40463	13.56171	13.22597
PAOX	5.192872	5.10341	5.486	5.4296685	5.8698655	5.6277415	5.737973	5.9593965	5.978187	5.502675	5.73084	5.2822165
CTSB	10.98323	11.89784	11.23945	11.40519	9.539643	9.772814	7.949715	9.498184	9.793572	9.147202	10.03839	8.885329
ADCY1	4.5820755	4.8694835	4.46679	4.719799	4.808443	4.86202	4.8124085	4.705843	5.0498575	5.1328715	5.0425105	4.959033
LYPLAL1	6.9251175	6.7202455	6.526263	6.919303	8.5540255	9.219422	8.6172735	8.636076	8.9818715	9.014066	8.6910975	9.289326
CACNG1	5.58078	5.758432	5.672256	5.736757	5.595479	5.356007	5.704752	5.407979	5.767529	5.122157	5.529104	5.325041
CNIH3	5.659989	5.2170815	5.2721315	5.587863	3.947972	4.2209625	3.3040225	3.8507815	5.694826	3.4213865	6.078497	3.36311
KCNN4	5.566738	6.191522	5.372961	6.145761	5.008257	5.1138	4.377933	4.956834	6.188173	4.617425	5.945463	4.501297
PRODH2	5.0517975	5.4137795	5.152956	5.068298	4.767557	4.768641	4.6967395	4.9109675	4.7099235	4.4981055	4.7125605	4.5944945
MTG1	7.474514	7.201372	7.622119	8.023483	8.691627	8.046019	8.725955	8.791976	7.939049	7.894733	8.416797	8.064639
CYP2B6	4.104578	4.26516	4.24005	4.181414	4.3904225	4.18183	4.0979355	4.3460825	4.3771645	4.2257895	4.331374	4.199801
VIL1	4.672982	4.733597	4.70275	4.657804	4.5657645	4.700136	4.408904	4.606703	4.6686835	4.557437	4.55493	4.6180255
TACC3	7.873974	8.123983	7.544991	7.905418	7.896294	5.572777	8.455459	7.392315	6.044861	7.682673	6.534298	7.604769
ARSF	5.433268	5.700464	5.523666	5.862815	5.910385	5.470512	5.603903	5.873884	5.589657	5.778187	6.040867	5.255351
OSTF1	7.501162	7.536064	7.416873	8.195815	8.192401	8.039553	7.410701	8.128851	7.149995	6.793734	8.272466	6.744147
SLC30A2	5.2144005	5.374384	5.247269	4.9836315	5.262942	5.1210665	5.074786	5.32551	5.076894	4.90888	5.1996525	5.0094035
SERPINA5	4.047174	4.164357	4.518384	4.582598	4.625713	4.391904	4.856021	4.680124	4.447436	4.377004	4.131047	4.127257
MAGEE2	2.499968	2.60398	2.499968	2.708736	2.493543	2.635033	2.423533	2.678081	2.583159	2.646978	2.710124	2.672132
RFFL	5.889252	6.118549	5.823706	6.045185	5.941974	6.115473	5.782428	5.948335	5.940182	5.476579	5.774146	5.47326
POLK	8.180519	7.847578	7.224646	6.894856	7.162101	7.910192	7.362219	7.250927	7.214724	6.666604	5.446019	6.703221
DNAJB8	4.453348	4.795426	4.352023	4.509759	4.580001	4.348006	4.552761	4.402167	4.307513	4.0693	4.415558	4.274725
ADM2	6.798989	7.218543	6.824722	6.789458	6.723425	6.790074	6.686383	6.80428	6.751197	6.440563	6.697357	6.62302
WNT1	3.309888	3.781823	3.40975	3.44167	3.567195	3.441634	3.536401	3.450944	3.418904	3.234556	3.899144	3.375581
POLQ	6.002833	5.66419	5.627753	5.8088275	5.5474905	4.7018105	6.2050855	5.5751695	5.017736	6.2055795	5.008647	6.276863
GNG13	4.290607	4.711716	4.489364	4.421606	4.658978	4.489668	4.343944	4.716051	4.413441	4.397566	4.294022	4.37996
KCNQ2	4.242613	4.598217	4.396533	4.298105	4.447866	5.737035	4.924593	4.820508	4.951649	5.225105	5.678824	5.198301
ZBTB20	7.796515	6.724804	7.774761	7.250337	7.625098	6.618032	6.444153	7.644742	7.397316	8.127355	6.807497	8.046423
MEGF8	6.1720245	6.059105	6.5443275	6.1296025	6.096024	6.344459	6.214616	6.1642805	6.6718565	6.947094	6.264727	7.1481835

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
GRPEL1	8.8257565	8.53168	9.044126	8.737708	8.9891875	10.016842	9.652911	9.019287	8.377552	8.593056	9.987308	8.8746195
ATP13A1	8.287642	8.231696	8.490335	8.553314	8.554331	8.953651	8.623576	8.543303	7.770811	8.767052	8.062344	8.59075
POLR2F	7.058594	6.966026	6.6403445	6.8003185	7.218929	7.3498075	7.2740345	7.1047085	6.8637645	6.9199795	7.24073	6.960903
TPRXL	5.729352	5.615384	5.756384	5.566939	5.63379	5.546146	5.615419	5.623981	5.575536	5.390717	5.668	5.293517
PIGH	6.848342	7.049114	7.115479	6.715986	6.691159	8.208011	7.682956	6.95435	7.351875	6.41518	7.468283	6.705308
CACNA1I	5.39442	5.550766	5.545555	5.525143	5.528878	5.170038	5.552116	5.34443	5.235876	4.918833	5.372749	5.089687
KSR2	3.63175	3.9769135	3.924697	3.816876	3.683997	3.73883	3.5963665	3.8550165	3.7996835	3.433106	3.840909	3.500952
P2RX1	4.693972	4.925844	4.995702	4.981687	4.62461	4.756905	4.902276	4.780583	4.840496	4.704427	5.068776	4.708632
NOTCH4	4.8611625	5.147047	4.8305915	4.8140535	4.7033405	4.4743525	4.5546455	4.8754985	5.153065	4.5196385	4.9408905	4.402617
SLC9A3R2	3.356317	3.823127	3.382168	3.147234	3.456635	3.58911	3.39545	3.502953	3.367138	2.955087	3.289515	2.954648
RNF113A	8.193477	7.971743	8.488456	8.211888	8.030527	8.065859	8.275291	8.017567	8.472477	8.016118	9.027836	7.938586
PLA2G4F	5.09779	5.073832	5.028608	5.028867	5.378028	4.974602	5.110913	5.105094	5.29531	5.092474	5.133034	5.395212
WWTR1	8.244381	8.635743	8.564285	8.195987	9.500166	8.941912	9.115034	9.234968	8.227625	8.521523	7.837251	8.434917
MS4A12	3.145425	3.333903	3.193481	3.897412	3.49499	3.827473	3.265178	3.443151	3.39259	3.265178	3.538178	3.097128
TUBGCP2	7.11738	7.462829	6.276448	6.430536	7.136813	7.508235	7.33324	7.210495	6.950446	5.859166	7.182123	6.262331
LRCH2	7.083174	5.963459	5.748677	6.788173	9.246742	8.248042	9.174036	9.245051	7.058879	10.31307	5.293847	9.597473
ANKFN1	3.485565	3.220753	3.742671	3.595766	5.279997	3.193548	3.676057	4.776733	3.089708	2.913611	3.284163	3.309543
PRKAB1	6.58219	6.918249	7.0800565	6.4738015	6.9190135	7.3787805	6.662461	6.913435	7.6516105	6.914788	8.2520085	6.6322285
RPP38	7.366995	7.385586	7.272764	7.283056	7.793435	8.498808	8.044284	7.873584	7.751818	7.425387	8.025158	7.597274
SF3A1	8.262706	8.723111	8.3270885	8.0463965	8.284494	8.3712905	8.5020635	8.074589	7.8363795	8.0508035	8.6760925	7.990719
ITSN1	3.965061	3.917521	4.052824	4.120331	4.4616155	4.3045755	4.309276	4.5305575	4.0782335	4.473781	4.083389	4.0793325
ULK1	7.476408	7.694708	7.451956	6.989876	7.876563	8.16466	7.193536	7.942866	7.134279	7.291219	8.477203	7.289045
TEX10	6.445887	6.456991	6.9522955	6.386557	6.7588715	7.263387	6.6455555	6.754176	6.8481345	6.8051725	7.1975355	7.11261
AEBP2	5.854306	5.921109	5.911424	6.0272885	6.0103265	6.152865	6.6195415	6.0769015	6.2403155	6.8224015	5.8384565	6.699263
SHE	4.448933	4.6125215	4.511766	4.4006	6.1556295	6.2046335	4.0945095	6.233623	4.8112185	4.8212555	5.242468	6.4086495
TP53RK	7.430221	7.19828	7.5612145	7.598211	8.4230435	8.9758375	8.115427	8.372764	7.6678885	7.259191	8.319961	7.0256975
TPST1	8.851356	7.798567	7.806915	8.425211	8.214358	7.181987	6.04175	8.207723	7.905599	7.345244	7.618525	6.538351
HOXB1	5.1814425	5.4781555	4.7173725	4.93878	4.8731035	4.7949145	4.813256	4.9758945	4.847198	4.973745	4.942744	4.723555
CILP2	3.830612	4.544019	3.956866	4.1627155	4.296935	4.284873	3.904414	4.105873	4.162172	4.1134235	4.057317	4.3779615
MUSK	2.860932	3.448074	2.804169	3.11318	2.756693	2.737184	2.855324	2.708763	2.618022	2.828279	2.813755	2.713663

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
SIM2	3.542692	3.779886	3.562823	3.669353	3.840401	3.629514	3.661505	3.576005	3.425779	3.370332	3.759734	3.70185
PCGF1	7.3875925	7.9410945	7.2742785	7.58775	6.4580275	6.630261	6.2042755	6.15846	6.2345185	6.2093145	6.511382	6.155167
CABLES2	6.80734	7.253014	7.36942	7.041656	6.243548	5.678306	6.662077	5.799626	6.886241	6.926581	5.983711	6.462796
MBD3	7.649857	7.874789	7.801241	8.1188455	8.365375	7.779795	8.297249	8.167839	7.8753795	8.151905	7.7110305	8.1890665
SERAC1	3.8201015	4.036987	4.8598945	4.1262835	4.364426	4.863218	4.8882045	4.5826385	5.9583025	5.200305	4.2424725	4.963133
CCL7	4.924512	4.807417	5.778858	6.055432	4.209618	3.905545	3.733499	4.217237	4.144292	4.447507	4.092101	3.92944
SIRT4	3.935239	3.4367335	3.733196	3.8369785	4.204242	4.104195	3.7221765	4.0393005	4.301974	3.611758	4.0585745	3.6243355
PNMA1	10.42493	10.43419	10.47151	10.21189	10.64536	10.42364	10.26826	10.69276	10.727	9.223709	10.67268	9.155006
TBC1D13	7.4664405	7.462653	7.6808545	7.880007	7.443945	7.2812465	7.1448685	7.538881	7.873311	7.465261	7.5525085	7.4485265
ROM1	5.168207	5.419434	5.251054	5.36513	5.527904	5.606944	5.417611	5.65545	4.925	4.477332	5.644946	4.656517
AGMAT	5.026882	5.009728	5.51027	5.02202	5.988245	4.742083	5.522079	5.976605	5.39565	3.692111	4.024977	4.389745
CHRNB1	5.170984	5.252254	5.102879	5.009224	5.249122	4.634066	4.385137	5.300742	6.058889	4.460433	5.418097	4.514059
MYADM	10.8427275	10.709123	10.78093	10.377908	8.4061575	5.7478975	6.7053015	8.3899515	9.113844	8.754387	6.092152	7.0988715
CPAMD8	4.832917	5.384442	5.036036	4.509677	4.699757	4.56297	4.576709	4.503662	4.667434	4.595055	5.048762	5.111597
NFIX	6.4540765	7.087058	6.0097225	6.7441915	6.535912	6.488379	5.466774	6.363185	6.3675645	6.474612	6.4520315	6.383774
LDHAL6B	2.587759	2.632827	2.742088	2.705413	2.689232	2.721617	2.6481	2.698328	2.643931	2.668772	2.757438	3.072537
GPATCH4	4.884242	4.795248	4.753946	5.000071	5.165708	5.358624	5.511451	5.457755	5.21191	5.074274	5.264587	5.016987
LLGL1	6.49903	7.504799	6.602941	6.779912	6.833942	6.551682	6.51372	6.973187	6.797275	6.815631	6.687722	6.110669
DDX42	8.145447	8.633373	8.646779	7.579391	7.935452	7.833513	8.166153	7.694867	7.669897	6.942438	7.32117	6.194628
REST	6.53359	6.693747	6.315917	6.373618	6.532875	6.548289	6.448767	6.618217	6.328155	6.345044	6.283453	6.554216
TNFSF9	3.718007	4.925157	3.706989	4.377004	9.167413	10.78461	9.88229	9.563453	9.166525	9.188317	10.14243	8.31871
DGKA	7.5228465	7.808088	7.5248925	7.1265885	6.6534195	8.106775	7.3912725	6.6149695	6.891153	6.6716235	7.575728	6.004062
ADSS	6.150571	6.0865965	5.9537245	6.281447	6.268345	7.348043	6.465558	6.192885	6.9619055	5.846396	6.3934055	5.7326845
TJAP1	7.4781935	7.5044595	7.4201515	7.3835035	7.179717	6.9864305	7.0964065	7.0813015	7.422768	7.338615	7.618575	7.517563
RUFY1	6.4009475	6.468152	6.4780425	6.2442145	6.3104005	6.1525785	6.155495	6.3779815	6.2766055	6.016091	6.219656	5.805261
PFKFB1	4.542208	4.132761	4.489782	4.759533	4.838032	4.533283	4.451388	4.788476	4.463926	4.3585	4.886322	4.154397
DSCR9	5.575363	5.935758	5.437427	5.322455	5.270361	5.256201	5.268371	5.380115	5.396119	5.115863	5.43473	4.837345
TOMM22	8.293087	8.652251	8.171088	8.92753	10.46449	9.97797	10.6537	10.33948	9.574445	9.222901	10.10386	8.902603
SSB	9.779843	9.412448	9.638716	9.8114735	10.72016	11.06508	10.832565	10.73958	9.609175	10.17425	9.7269145	10.452025
HIPK4	5.681516	5.925052	5.851709	5.832888	5.728061	5.496721	5.526649	5.793651	5.77159	5.589716	5.671088	5.334612

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
RNF139	9.102573	9.391288	9.594078	9.362334	8.548696	9.466636	8.767247	8.597898	9.589924	9.002962	9.394157	9.056146
PURB	7.022509	6.669912	6.0325605	7.000262	6.7561715	7.148229	7.259443	6.639451	6.7134085	6.4654545	7.1191865	6.4602785
WDR44	6.2023125	5.9069655	6.0526865	6.0126045	5.4416785	5.8058065	5.7575195	5.6938685	5.9328085	5.4056715	5.410574	5.21756
KCNH7	3.556819	3.7379695	3.5857575	3.6453005	3.8731665	3.967568	3.7906555	3.7327655	3.752655	3.527676	3.7241945	3.6264925
CHRNG	4.84423	5.21267	5.045627	4.817966	5.153391	4.993883	4.938751	4.998873	4.809726	4.539701	5.010846	4.761057
RASGRF1	4.460241	4.82754	4.426831	4.650734	4.5763255	4.5196085	4.5311965	4.4820725	4.472934	4.319683	4.719693	4.299557
SLC37A3	8.631709	8.051737	8.387589	8.442663	8.203515	8.445544	8.365226	8.227519	8.823369	8.456582	8.506393	8.661997
ASB10	3.803518	3.913915	3.980159	3.942754	3.954153	3.741255	3.670235	3.742544	3.773645	3.601069	3.637475	3.15323
CD82	6.4068045	6.5704225	6.6763015	6.2357175	6.1797295	7.9997455	6.299751	6.199854	8.3283645	6.7402825	8.1210415	6.874645
SENP8	5.5683835	5.0001325	5.398696	5.757571	5.7346375	5.9847285	5.4763265	5.832332	5.6112145	5.219533	6.271466	5.3826575
UBA2	8.3311585	8.2557885	8.321571	8.3346645	8.5730505	8.3802155	8.755153	8.447457	8.6075645	8.314436	8.7451925	8.513265
ARMC9	5.347335	5.425323	5.51619	5.205881	5.491652	5.408496	5.639676	5.276575	6.285228	6.137153	6.58866	6.904543
TBX20	3.122732	3.031402	3.268811	3.129297	3.146217	3.126225	3.505426	3.249836	2.723932	3.040606	3.040872	3.249672
MGAT5	6.713187	6.4554155	6.8543535	7.116645	6.3145025	7.9277175	7.795452	6.3314435	6.7162905	6.869938	7.3921375	7.2233995
RBMX2	7.3094385	7.541996	7.3433985	7.23505	7.534908	7.5213925	7.6088335	7.565615	7.33197	7.8317095	8.003944	7.959482
KLHL14	3.043345	2.738851	2.75662	2.587015	2.835178	2.899593	5.174839	2.71807	3.138113	5.863928	2.962567	5.370606
ZBTB41	8.360307	7.551145	7.751995	9.079624	8.341358	7.885322	7.427973	8.182857	8.299282	8.015859	6.273091	7.980019
FOXB1	3.5598	4.269555	3.847861	3.518006	3.47869	3.551785	3.518006	3.566179	3.655802	3.52148	3.58536	3.181387
MCM5	8.106235	8.4462095	7.9686715	8.4622815	7.778616	5.866186	8.7429275	7.506166	7.90169	8.039474	7.4895675	7.767703
FGFR4	4.8305095	5.3131	5.0565115	5.060202	5.4384765	5.866148	5.5459245	5.225227	5.250233	5.153125	5.3701095	5.1990485
SDS	5.3900365	5.328997	5.276694	5.2351685	5.4318145	5.4335735	5.251159	5.323966	5.2784545	4.933877	5.459552	5.0704835
CHAF1B	7.03797	6.9258	6.865216	7.134626	6.015507	5.330035	6.991777	5.76481	6.131333	6.033396	5.843396	5.807189
PRDM5	4.3170785	4.2604725	4.401051	4.334391	3.516468	3.1621715	3.070492	3.7984075	4.395684	3.6518515	3.155386	3.5274365
ANKRD10	5.406889	5.246542	5.673335	5.354239	6.386499	5.844842	6.6034975	6.191709	6.4799075	7.6676215	6.1425225	7.464665
MTO1	8.220985	7.682059	8.200355	8.471048	8.599845	9.554115	8.601543	8.692295	8.668767	7.600982	9.420277	7.706244
SLC9A3	4.514064	4.483325	4.707408	4.328577	5.214363	5.089602	5.104423	5.261987	4.91527	4.623997	5.109126	4.69557
ZNF268	6.245582	6.482469	6.402298	6.269544	6.462037	6.549067	6.523886	6.501474	7.056886	6.238346	6.028352	6.560819
IRF2BP1	6.909833	7.661777	7.28168	7.195505	6.976223	7.160919	6.643854	6.755271	6.97422	6.834464	7.109795	6.424838
DNAJC7	7.5130295	6.877995	6.624369	6.8787915	8.02356	7.596846	8.101066	7.9763785	7.5308175	8.452702	8.1482575	8.1045915
SYCE1	2.8785975	3.120587	3.090622	2.999282	3.088189	2.9689875	2.9176245	3.012123	2.9514965	2.90429	3.1843475	2.99775

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
ATP9A	6.7745425	6.2719725	6.726533	6.367595	6.383039	6.038649	5.1249255	6.3525975	6.040308	6.292983	6.2702905	6.4717235
UMPS	6.5218085	6.3416775	6.37089	6.657784	7.0517415	7.4060705	7.275106	6.9793985	6.842263	6.156474	7.5526545	6.119045
PICALM	8.493937	8.225139	8.184104	8.671206	7.478388	8.416124	7.36453	7.39222	8.572808	7.161162	7.705294	6.938792
PRNP	10.156117	10.232237	10.4513815	10.4775745	10.4195315	11.785785	9.574665	10.5097585	11.52289	9.6065505	12.13507	9.546695
AXIN2	5.3490575	5.509407	5.355737	5.2831625	5.5308655	5.6843705	5.48384	5.584056	5.1417145	5.0839065	5.4953525	5.2752785
JDP2	6.271205	7.0102315	6.9934685	6.927238	6.9250425	5.6854075	6.0440265	6.788905	6.5291385	6.2427165	6.9618275	6.8274295
HLA-DQB2	4.574645	4.726271	4.521434	4.373684	4.516984	4.346553	4.33441	4.327482	4.170497	4.247516	4.315287	4.32013
MEG3	5.332925	5.29829	5.592404	4.877597	5.67411	5.429276	5.713464	5.487207	5.209981	7.200852	6.547009	6.666335
HCK	5.124299	5.114388	4.505667	4.980566	8.494537	9.332233	6.855269	8.531988	5.000004	8.031209	8.718341	8.948968
TAF5	6.9622435	6.3932895	6.5362095	7.2452235	6.9579985	7.1399415	8.323065	6.6284555	6.5251195	6.8537505	6.6035935	7.0254825
KRT20	2.73513	2.985589	3.012355	3.017747	2.790933	2.59169	2.781456	2.891544	2.795834	2.57674	2.818746	2.753968
ZC3H12B	3.4737235	3.206181	3.5635895	3.5267265	2.9991445	2.8136135	2.9831665	3.189535	3.401681	2.9624835	3.170763	3.0063775
GAPDHS	4.167521	4.069106	4.104899	4.31843	3.95556	3.757574	3.388036	3.683493	3.650963	3.340041	3.863364	2.847876
HOOK2	6.880757	6.032033	6.729697	6.523511	6.48136	6.354428	6.50843	6.456419	6.883001	7.093307	6.884398	6.769285
ANXA2	13.96585	13.86874	13.840125	14.0234	13.75576	13.672435	13.342525	13.79416	13.7865	13.11512	13.34766	12.80383
HCST	6.058671	6.516076	6.274562	6.286387	6.303765	6.243185	5.847054	6.403635	6.379538	6.075364	6.533418	6.117025
SAMD8	7.0288015	7.0598535	7.3270545	7.1944615	7.3912135	8.651204	7.699447	7.451236	7.3791375	6.514894	7.302443	6.430848
PKD2L2	3.3355435	3.3265035	3.133499	3.345957	3.142598	3.3011935	3.288829	3.1740515	3.3233035	3.0395825	3.4469925	3.2371745
NSUN5	8.477833	8.389633	8.4106195	7.9248685	8.2901275	8.524797	8.702614	8.290052	8.5456635	8.7244375	8.8684355	8.7234275
TRH	4.882231	5.287817	5.040859	5.991433	5.279543	5.247314	4.796548	4.870019	4.839293	4.886703	5.147349	8.436924
FAM50B	7.299819	7.207847	7.384422	7.546155	7.651549	7.285762	5.671116	7.482471	6.403494	6.325309	8.273922	7.161228
TSPAN10	4.8669025	4.558298	4.4933425	4.812605	4.648513	4.47068	4.4232895	4.550429	4.612521	4.188921	4.188036	3.96536
CGRRF1	7.431452	7.144053	7.605433	7.432817	7.305921	7.806242	7.489178	7.369529	7.938186	6.962425	7.984179	6.727918
SIN3A	5.9638385	5.776376	6.480659	6.3199695	6.057068	6.0627395	6.11623	5.9094545	6.569405	6.169167	6.4478825	6.209199
NKX3-1	5.358126	5.847833	5.767757	5.461569	5.447999	6.219657	5.817122	5.98489	5.759319	5.279997	5.554068	4.795555
UBP1	8.859207	8.775106	9.12092	9.370165	9.436563	9.278625	9.727608	9.327738	9.390705	9.402094	9.543432	9.229401
DMRTA1	5.020894	4.863076	4.277912	4.927022	3.781823	4.183351	4.012267	3.882485	4.45754	4.116621	4.277912	3.828364
ASB12	4.690828	4.948882	4.459247	4.444004	3.901723	3.624939	3.789446	4.06965	4.186141	4.262208	4.045646	3.986374
DLG1	6.362582	6.369997	6.269369	4.629183	6.357835	6.639455	6.843748	6.345908	7.111329	5.975485	5.284171	5.643643
TFR2	5.063287	5.259785	5.370146	4.663759	5.086176	4.731881	4.730076	4.832664	4.865954	4.377003	4.945095	4.943902

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
PBX1	10.01391	9.920889	9.647665	9.459302	8.214903	7.502326	8.428624	7.929395	5.14725	9.222922	5.707743	9.427312
GNGT1	2.652617	2.848896	2.651206	2.451771	2.4784	2.382872	2.469551	2.529393	2.485791	2.210788	2.408027	2.327001
TOP2B	10.22782	9.926136	10.26923	10.35305	11.57865	10.46669	11.03025	11.62191	9.686207	11.5555	10.17032	11.16732
PODN	5.066501	5.805709	6.0082015	5.706733	5.9364535	5.258275	4.863757	5.9717665	5.067424	4.965166	5.447044	4.9777005
CHRM4	5.218235	5.345029	5.249368	5.497108	5.676594	5.616377	5.532096	5.667604	5.529147	5.614817	5.620648	5.534076
ABCC13	3.130419	3.4541955	3.109652	3.3465505	3.5664065	3.394674	3.438974	3.38238	3.389657	3.163124	3.3574175	3.292366
DZIP1	7.6199485	8.2840905	8.024675	8.040226	8.515878	7.943201	7.924031	8.38774	8.642548	8.6116325	8.243854	8.274159
KCTD11	8.100472	8.198858	8.326599	7.712941	5.938395	5.980154	5.424794	6.288072	6.632254	5.691179	6.584424	5.478813
FUNDC2	8.205073	7.6970935	7.7415655	7.774647	7.9212355	7.941023	7.828857	7.9166925	7.650947	7.67584	7.9299015	7.4220595
MRPL11	8.764235	8.789161	8.810919	9.145889	9.391687	8.723768	9.917793	9.24084	9.067815	9.029907	9.076448	8.771784
TUSC3	7.447083	6.730045	7.238315	7.467944	7.328793	7.35299	6.121818	7.26131	7.613653	6.056482	6.212458	5.870025
CHD1	7.8912055	7.345311	8.15806	7.7560355	8.148063	8.8035915	8.9451235	8.043852	8.563755	8.768588	7.3498295	8.728446
ATAD3C	4.774887	4.988031	4.678617	4.658453	4.733816	4.646273	4.669295	4.715732	4.614968	4.604489	4.720439	4.324288
FGFBP1	4.547798	4.613029	4.733682	4.895835	4.563212	4.823193	4.444295	4.721853	4.500801	4.669493	4.581782	4.36639
RAPH1	7.300517	6.985634	8.008327	7.585601	5.843658	6.239562	5.7392	6.151418	7.670715	7.01031	7.356548	6.671192
PRSS8	4.191841	4.565533	4.257433	4.245425	4.537817	4.331759	4.306518	4.484423	4.560846	4.046338	4.344075	4.018586
NDUFS5	11.77797	11.64186	11.67014	11.85778	12.36918	12.41563	12.19693	12.35695	11.99827	12.21788	12.20406	12.06138
CHST12	7.6637765	7.385151	7.1836385	7.8083535	7.152884	7.1301415	7.5516995	7.1719375	7.134427	6.858907	7.0182045	7.5358975
ESR1	4.226052	4.549946	4.150792	4.440494	4.523685	4.34476	4.377849	4.481042	4.399965	4.278405	4.548969	4.360028
E2F4	7.512198	7.9105585	7.823622	7.772607	7.4590995	7.622276	7.54128	7.4253595	7.4016285	7.4150935	7.4493685	7.423497
FPGT	7.063	6.509579	6.818247	7.431908	7.150745	6.467746	7.278611	7.190646	7.30915	7.337694	6.579942	6.665197
TNRC6A	6.519584	6.976638	6.7273345	6.104393	6.6702465	6.9200485	6.9246345	6.6228965	6.596399	7.3824295	6.6605195	7.613299
SLC22A3	4.4372675	4.2880595	4.284198	4.5683655	7.670588	6.6565355	7.0329935	7.4818285	5.286528	8.3147095	7.2757575	8.994698
LHFPL3	3.181976	3.168638	3.392707	3.205991	6.758326	3.489771	6.026972	6.170732	3.050338	8.382914	3.579517	5.936077
ROR1	5.032041	5.217337	7.466924	8.024214	5.117854	7.886348	4.985923	5.186297	7.893568	4.957887	5.369631	4.906461
TMED2	10.82728	11.03563	10.27968	10.81085	11.12558	11.53	11.2439	11.13802	10.23076	9.099868	10.67172	7.914805
ALPP	4.058622	4.435948	3.785583	4.054067	3.937784	3.887117	3.819403	3.978657	3.828122	3.487144	4.158836	3.411499
CLCA4	2.333646	2.49893	2.415321	2.564106	2.938243	3.702931	2.555327	3.343828	2.617954	2.684397	2.536431	2.485054
MAP2K6	4.0561385	4.124367	3.8349315	3.891526	5.844123	6.4524705	6.2999695	5.9174955	5.7790845	5.244825	5.497915	5.1612665
OR10J1	5.609176	5.688212	5.423666	5.881706	5.805695	5.543856	5.663139	5.648582	5.357467	5.532331	5.466801	5.440647

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
SOX6	3.7606035	3.908447	3.7685665	3.915952	3.958347	4.584579	4.618001	4.0509375	3.903288	4.1849275	3.684998	4.2461125
IL7R	8.688899	7.9813485	9.482683	8.6991695	6.8833825	6.3002	4.902457	7.1473065	4.906855	4.221674	4.9969095	4.382189
CLEC12B	2.602878	2.7101955	2.616961	2.670844	2.7192445	2.716232	2.7091205	2.731443	2.540779	2.646261	2.81676	2.644605
SYT2	5.904562	5.967707	5.850513	5.822904	5.967024	6.143026	5.932619	6.022881	5.980445	5.669832	6.203573	5.717738
TMEM26	2.576741	2.485995	2.55856	2.56491	2.420269	2.400175	2.469829	2.901263	2.635517	2.441107	2.416694	2.793779
TRIM15	5.149271	5.618082	5.578683	5.447959	5.480521	5.263922	5.922067	5.517477	5.466777	5.317815	5.533082	5.318042
CHORDC1	5.995775	5.4244145	5.613539	6.117038	6.678895	6.877941	7.1258835	6.7549255	6.187383	6.0947525	6.1341485	6.181665
SNX22	5.214355	5.461614	5.242165	5.345249	5.374435	4.95172	5.078314	5.05166	5.038073	5.051614	5.133173	4.776233
DDHD1	6.287581	5.703726	6.535788	6.201332	7.086297	7.687666	8.052539	7.238839	5.947104	6.990515	7.154343	7.138622
LTA4H	9.728778	9.839821	10.16687	10.0224	10.73639	11.76687	10.87562	10.82774	10.18847	11.10291	11.42855	11.2697
GRIN2D	4.82599	5.5790285	5.3425965	4.898177	4.0352825	3.9657285	3.6050075	3.859094	4.1643175	3.7072815	4.13878	3.626828
MATR3	4.7977855	4.8947115	4.8951765	4.6134105	5.706994	5.8906955	6.0119545	5.6787695	4.936835	5.0322135	5.0969995	6.2959895
ABCC12	2.9666355	2.9096005	3.085926	3.220562	3.2692935	3.2777855	3.3105935	3.205754	3.188967	3.0449615	3.24703	2.961788
GPR32	3.666179	4.194987	4.116805	4.259634	3.89205	3.418165	3.55203	3.464323	3.37847	3.464323	3.762499	3.634291
SPDEF	6.727017	7.003644	6.742665	6.691642	6.49718	6.58118	6.508561	6.567261	6.435199	6.44719	6.461943	6.440539
XPO6	9.3109475	9.14993	9.3463425	9.5411805	9.231407	9.9682055	9.6017265	9.241199	9.1654315	9.6876035	9.490665	9.552408
ATP8B4	3.801329	3.27631	3.515622	3.4313475	3.09076	2.756561	2.786182	2.759296	2.7033045	2.684632	2.8355365	2.6289115
SEZ6L	4.2062325	4.4389605	4.538537	4.2808145	4.3301845	4.2319105	4.294279	4.353364	4.139942	4.059017	4.340613	4.061213
RPLP2	4.7736325	5.373411	4.1223465	4.8740505	4.7002195	4.676572	5.1166085	5.41603	5.0657055	5.3581745	5.4343425	5.895882
FBXO3	5.1103935	4.8017635	4.8381555	4.989149	4.8269905	5.3574895	4.762387	4.9848315	4.9715435	4.6870595	4.666134	4.701272
TXNL4B	6.279678	6.1321105	6.1153575	6.6486935	7.0022455	6.9944345	7.157401	7.0012565	7.137576	6.7008775	7.514973	6.4302495
FBXO32	4.377442	4.764668	4.884423	4.454908	4.107265	3.911615	4.011878	4.0755	4.507289	4.411741	3.959366	3.962228
MTMR4	8.001451	7.822168	7.830361	7.937726	7.7448255	7.404836	8.6105025	7.5312265	7.95665	8.6784705	8.1181305	8.475133
REXO1	5.4118455	5.6881955	5.524173	5.4438955	4.8828245	4.797972	4.8907705	4.6824155	4.627134	4.751936	4.7046115	4.320374
BRPF1	7.183657	7.158187	6.717213	6.786937	6.702372	6.859971	6.85651	6.556437	7.045925	7.10066	7.428087	7.115476
YIPF4	5.015686	4.617355	4.529383	5.1743585	4.9544165	5.2198585	5.1649415	5.2278925	5.230124	5.1596675	5.30615	5.4774065
CYSLTR1	2.635956	2.63685	2.829965	2.775286	2.78556	2.560808	2.819615	2.94859	2.834748	2.922416	2.747764	2.91638
PPP2R5E	8.8657975	8.3399645	8.5440995	8.8699455	8.29997	8.733824	8.4184225	8.2966995	8.767709	8.73593	7.882982	8.533254
IL18R1	3.410686	3.925792	4.492373	3.766619	3.676057	6.788275	6.289773	3.828745	6.181104	8.542039	6.919233	8.769115
ARHGEF12	2.9240965	3.0579655	3.1352765	3.186064	3.167641	3.1194365	3.2052065	3.187906	3.116129	3.136795	3.2443845	3.100217

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
SLC5A4	3.44937	3.538739	3.700332	3.739241	3.531992	3.322258	3.242717	3.326211	3.5027	3.245982	3.760711	3.242717
PDLIM1	10.34443	10.99397	10.84375	10.85281	6.007491	8.913469	10.8681	6.479297	10.92715	9.265674	8.745088	5.91235
FOXA2	3.743241	4.52633	3.433438	3.814761	4.087078	3.751143	3.924598	3.999735	3.890893	3.797962	3.846395	3.441348
GP9	6.06429	6.372626	6.435885	6.00667	5.938031	5.96262	5.797505	5.532521	5.935373	5.90889	6.103906	5.798742
SNX21	7.658793	7.48388	8.120091	7.640761	7.501992	7.232385	7.568689	7.448055	6.427917	6.981857	7.261493	6.876514
NRXN1	2.7085095	2.778493	2.8103125	2.840613	2.7506315	2.6604785	2.713936	2.800925	2.756868	2.8741375	2.7476655	2.758935
ARMC8	5.461223	5.2401555	5.4836665	6.319824	4.8899465	5.7491985	5.783121	4.896263	6.745713	4.7985345	5.044491	4.6368145
COLEC11	4.80417	4.958714	4.900579	4.929106	5.058392	5.100911	4.750937	5.319566	5.174203	4.934342	5.282848	4.81981
TLK1	4.634066	4.008812	4.40308	4.134668	5.366316	5.107492	4.961021	5.338782	5.308393	5.088557	4.606875	5.054781
FBXO6	6.114623	6.112491	7.006546	6.340669	5.552124	6.080059	6.268519	5.588884	7.234956	7.131308	8.315976	6.595412
SUPT16H	9.036043	9.1883445	8.758855	8.4496035	9.704843	9.5530395	10.132448	9.5336375	8.8957285	8.7539745	8.9045735	9.124597
SLC25A40	7.314078	7.153355	7.053865	7.2505575	7.2711955	6.059534	7.4248985	7.1008705	7.394775	6.5255615	6.6075575	6.176535
HIST1H2BB	4.160785	3.970103	4.364404	4.320397	4.757551	5.182549	4.744719	4.830502	4.744719	4.419687	5.133678	4.509282
ABHD2	6.6333715	7.1109795	6.7874815	6.8528515	6.199241	6.5299645	6.4850055	6.239367	6.7232205	6.696241	7.9395165	6.623806
NUDT10	4.3897185	4.4489775	4.0886775	4.3047145	4.309095	4.237203	4.2382995	4.3375335	4.192281	4.2837635	4.683393	4.5917275
SLC25A13	4.761542	4.685269	5.171548	5.23212	8.530432	8.48982	8.587934	8.507557	6.69559	7.240123	7.758605	7.955201
APOM	6.078183	6.363441	6.2062855	6.295653	6.2638155	5.5628285	5.647555	6.3813705	6.293571	5.7882075	6.144591	5.4706115
RB1	7.927611	7.8479885	7.599518	7.309114	8.2996995	7.767872	8.580878	8.268566	7.644093	7.6154535	6.870761	7.433872
KBTBD8	4.826319	3.998435	3.894156	4.369349	7.358545	9.794365	7.834619	7.501349	6.233797	5.409658	8.514171	5.113947
VPREB1	3.121092	3.261088	3.548286	3.047742	3.535096	3.42028	3.510561	3.368424	3.321916	3.500605	3.293727	3.201975
VPS36	5.537989	5.535329	5.6837255	5.5118265	5.688211	5.7982615	6.125005	5.5659845	5.6060045	6.2503	6.192241	6.4881715
DDIT4	10.66555	9.682516	10.2387	9.887369	10.60225	10.39207	10.66987	10.42721	11.33313	11.67844	11.68325	10.90166
STOM	9.79685	9.744823	10.12269	9.524793	9.409054	9.43347	10.03181	9.25483	9.414629	10.37268	9.444087	10.23591
DOCK9	3.194426	3.360508	3.619548	3.51309	3.120095	3.717287	3.350434	3.194273	3.44896	3.243328	3.684286	2.868672
MYF5	3.006488	2.856774	3.366109	2.895471	2.949347	2.997863	2.902592	2.952396	3.095324	2.584209	3.347648	3.168777
MAP3K2	5.8945195	5.474328	5.877365	5.8075325	6.3476465	5.7926515	5.7648815	6.3029695	6.229735	5.610039	5.3067815	4.8082865
GOSR1	7.824519	7.327637	7.7282605	7.8583505	7.80563	7.6977935	7.882766	7.839684	8.13756	7.6443745	8.0649725	7.8419255
UBL3	10.49058	11.122515	10.40538	10.676835	8.447284	9.4569335	8.8967035	8.564767	8.6723825	8.1776195	8.5657785	8.1686575
PAM	12.04719	11.9498	11.83936	11.97482	10.55358	11.08024	10.80447	10.62568	10.68375	10.37683	10.26034	10.66604
POLR2B	10.10245	9.748599	10.05965	10.04175	10.71131	11.11308	10.76494	10.67925	10.25781	10.18375	10.50654	10.2539

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
CFH	5.481664	5.240513	6.321769	6.756992	8.221188	5.725658	6.133667	8.073988	8.718956	9.965588	8.081705	10.32519
NME5	4.29904	3.897718	4.756093	4.158814	5.533701	4.638443	4.461044	5.517181	6.735677	5.338496	5.91155	4.765667
NDUFB4	8.167347	7.989269	8.1840525	7.758121	8.547195	8.0333825	8.190635	8.5839075	8.149467	8.440171	7.9759085	8.541678
TBXA2R	6.211181	6.560485	6.378527	6.6337015	5.9553235	5.6680415	5.556858	5.8235195	6.1856505	5.2816945	5.742394	5.8595745
TMEM104	6.420748	6.073246	6.434612	6.97803	6.400877	6.429458	6.341384	6.279253	6.618849	6.375976	6.989697	6.386016
FAM9C	3.17826	3.341503	3.41923	3.056644	3.094114	3.436804	2.974468	3.200985	3.100102	2.894329	3.040272	2.994324
DSCR4	5.191657	5.182556	5.348938	5.333851	5.278648	5.231475	5.255078	5.313386	5.274306	4.977043	5.212249	5.264974
KCNC3	4.381582	4.621852	4.686369	4.387549	4.763839	4.802944	4.595608	4.564108	4.539846	4.275965	4.738162	4.43108
VAMP4	8.158548	7.698357	7.584334	7.714934	8.409288	8.126045	8.338255	8.516184	6.721066	8.370875	7.225792	8.294787
RAB6B	5.334388	5.785276	5.851747	5.574216	5.568074	6.52555	5.24704	5.437511	6.555007	5.979464	6.642018	6.106036
SLC5A10	4.60651	4.81183	4.844978	4.916631	4.956807	5.227894	5.00464	5.135875	5.122876	4.807794	5.293018	4.736797
FARP1	4.939919	4.796822	5.135625	5.261166	4.802144	3.994249	4.607104	4.978417	4.581295	5.407573	4.669963	5.004599
TNNI2	3.814296	4.23962	3.900518	4.052668	3.653834	3.860258	3.870934	3.565093	3.693956	3.670596	3.54584	3.712889
SP140	3.179683	3.44117	3.298146	3.592149	3.385114	3.334164	3.247899	3.318158	3.93021	3.034278	3.284163	3.135081
PCP2	5.062394	5.418362	5.021706	4.533283	4.544864	4.965308	4.437757	4.555366	4.622212	4.240934	5.030735	4.260154
MRPS31	8.304047	8.300353	8.098278	7.923603	8.50165	9.006151	9.110624	8.488298	7.80413	8.415787	8.556395	8.420116
PEX1	5.9785335	6.1769025	6.453479	6.095995	6.786151	5.752914	8.1652295	6.934232	6.7484065	7.7026505	6.865489	7.8917665
ITGB2	5.044531	5.376341	5.077878	5.558832	4.964761	5.641198	4.927701	5.253019	5.092872	4.778878	6.689005	4.036776
SH3D19	8.240549	8.3514835	7.901983	7.719142	7.227374	7.9101215	6.878182	7.4590485	7.0494515	5.490795	7.1417	6.2739075
SOCS6	8.396005	8.14278	7.798553	7.786806	6.236923	6.493186	6.011773	6.412838	6.767707	5.055163	6.618383	5.273606
HSD11B1	4.821937	4.883733	5.171548	4.909657	4.157391	6.603623	4.345766	3.986383	4.302877	5.522684	7.650089	5.010718
GRIK3	2.683001	3.0666725	3.0046165	2.933183	3.0245535	2.8865915	2.9999535	3.029979	2.925415	2.6146515	2.9012135	2.9619895
RTF1	7.756344	7.506208	7.801184	7.695232	7.932832	7.370016	7.864253	7.807558	6.93953	7.093366	7.031584	7.220331
COPE	7.3127745	7.750659	6.935775	7.513722	7.4454515	7.42656	7.350912	7.1241235	7.0537975	7.196125	7.1641575	6.836809
FLNA	11.04213	11.71182	11.16128	11.01163	10.04246	9.365225	9.261311	9.91608	9.309486	9.872193	9.000894	9.528669
FKBP11	9.931137	10.71258	9.762336	10.21689	10.33446	9.080692	10.09151	10.26589	8.371006	9.334485	10.55689	9.853041
ZBTB3	6.0098065	5.7327865	5.714236	6.1566635	5.774379	5.6479765	5.4821645	5.873686	5.9250995	5.921933	6.2421255	5.828288
SLCO1C1	2.851562	2.782355	2.8047295	2.998794	2.8454015	2.9130435	2.78488	2.9531405	2.9211	2.9231145	2.8693575	2.7646745
MYH7B	3.481387	3.7462165	3.945483	3.63986	3.547505	3.7711345	3.5937375	3.7206595	3.586764	3.643061	3.493399	3.52881
TCL1B	5.283851	5.261336	5.267642	5.39958	5.566071	5.144763	5.384141	5.724909	5.533535	5.377839	5.375825	5.252626

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
CTNNBL1	8.733329	8.476376	8.881092	8.884439	8.326983	8.36359	8.83358	8.239124	8.657871	8.205448	8.557388	8.210738
PRM1	4.998851	5.037436	4.869235	5.048412	4.95585	5.05166	5.231792	4.848366	5.037487	4.778861	5.114525	4.702552
POLR1D	8.943491	9.450373	9.259898	9.136823	9.383362	8.897702	9.198238	9.315755	7.893802	9.181757	9.155102	9.491234
SH3GLB2	5.7759555	6.504183	6.0225475	5.826641	5.6429285	5.876351	5.7366535	5.3319575	5.7944335	5.5706885	5.437003	5.328711
F13B	2.81981	2.727065	2.801152	2.801152	2.700977	2.884142	2.561131	2.670142	2.839774	2.962187	2.759463	2.696418
KPNA5	5.498777	4.941782	5.16439	5.700449	5.802524	5.567595	6.299086	5.676041	7.425354	7.482821	4.759358	7.111597
PDC	5.010265	6.351091	5.811528	4.282131	2.874625	3.013607	3.06828	2.99306	2.810236	2.963659	4.347716	2.74827
H2AFY2	7.435317	7.501912	7.777489	7.617564	6.938586	6.576828	6.841981	6.300492	8.01064	8.109276	6.760912	7.990921
AOC2	4.184905	4.041068	4.07319	4.174746	4.566382	5.652867	4.485957	4.405876	5.200457	4.704428	5.929556	5.296453
ABCA2	5.217583	6.112887	5.25006	5.468841	5.248783	5.039187	5.123707	5.269498	4.838277	4.751904	5.021919	4.696862
ARNT2	6.822489	6.514544	7.718926	6.608167	4.236913	3.976722	6.315921	4.366105	6.914219	7.712872	5.016637	7.471035
DNASE1L3	5.3923655	4.5762625	4.0872395	4.255597	4.316447	4.209629	4.4209725	4.299908	4.12812	4.087712	4.3386245	3.8975255
STRN3	6.203343	6.09971	5.9656695	6.3340865	8.054702	8.538694	9.3760525	8.130125	8.4063145	8.2826735	6.594061	7.851226
SLC16A1	7.77519	8.391763	8.423126	8.726691	9.632134	10.09215	9.782346	9.587105	8.203291	8.546893	9.088328	7.913412
ADAMTS17	4.179627	4.225494	4.178963	4.234531	4.658326	4.568381	4.392841	4.66864	4.312679	4.173327	4.3291	4.275561
DUS4L	6.287706	6.2879325	5.967658	6.3045045	5.7206295	6.1570745	6.444212	5.6626725	6.5584675	6.421668	6.176647	6.162236
GRIN2A	3.167857	2.931467	3.046142	3.295518	2.993128	5.100425	3.082901	3.116353	3.022928	3.059103	3.138066	3.03592
TSPAN18	6.1036905	6.8596385	6.138449	5.900064	7.768481	8.030247	8.893217	7.59459	5.789166	9.2939555	6.1469745	9.811556
JMY	6.3969275	6.1266215	6.642527	5.8905385	7.1666975	7.418175	7.163828	7.14735	7.615541	7.060149	7.602877	6.994696
TWIST1	9.642784	10.46299	9.891191	10.04465	11.4348	9.942759	11.70802	11.46082	8.864968	12.54498	10.2326	12.25857
ATG3	7.2075065	6.8242215	6.976231	7.5292375	7.3324945	7.7255365	7.970981	7.3569865	7.873827	6.9248755	7.2129715	6.8951455
CDY1	2.386553	2.453134	2.474349	2.323806	2.574325	2.447613	2.575254	2.461343	2.469829	2.64455	2.57656	2.498736
SLAMF1	3.533705	3.670474	3.685273	3.61898	3.733092	3.551504	3.401381	3.620437	3.389776	3.302839	3.337471	3.433756
AVPI1	8.111813	8.414845	8.65186	7.879468	7.284179	7.13405	7.365364	7.483168	9.24911	7.30606	7.618287	6.633491
FNBP1L	7.714848	7.887727	8.263849	8.520832	8.913242	7.67405	8.596736	9.061821	8.729903	9.282733	7.068665	8.69383
ECHDC1	9.227967	8.623902	9.074444	9.2514475	9.8541805	10.1948165	9.8806125	9.868248	9.6516835	8.8375205	9.4551535	8.646652
PDLIM4	6.823441	6.967798	6.805544	7.101135	6.548659	6.974714	6.095263	6.321555	7.681148	5.928116	6.931039	5.885987
GUCA2B	3.971416	5.024899	4.529112	4.441816	4.641364	4.585177	4.355143	4.649983	4.800029	4.318625	4.701272	4.242545
AQP11	5.367984	4.591441	5.070159	5.316184	5.773951	5.191361	5.497813	5.646297	6.233616	5.09	5.325984	4.819552
ENPP7	5.196505	5.467436	5.442914	5.790078	6.261532	5.850845	6.057294	6.064566	5.862417	5.134618	5.991721	5.32944

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
MED4	7.2089055	7.4049545	7.2168575	7.9195615	7.9534375	8.547997	8.1973305	7.951925	7.2023095	7.343283	7.821979	7.5698135
ABCD1	6.134847	6.877483	5.944153	5.897191	5.589969	5.590464	5.461724	5.543952	5.492161	5.580086	5.490758	5.261954
CCL26	4.574636	5.122502	4.709812	6.136941	4.079195	4.433154	3.884164	4.079195	4.263675	4.170687	3.879623	3.51145
PPP1R11	6.772441	6.9581785	7.117641	6.5130125	5.855422	5.413701	5.855973	5.727186	5.847948	5.6006635	5.779058	5.5518845
ANKDD1A	4.583071	4.79183	5.0164925	4.821886	5.012335	4.509426	6.2045705	4.8047025	5.17179	5.8216675	5.0186615	5.7979975
ATF4	11.59042	11.15663	11.53569	11.37666	11.27622	10.91432	11.69028	11.26805	12.3309	12.01171	12.3602	11.89504
DHX57	5.141203	4.814074	5.171548	4.501903	4.842522	4.96758	5.411483	5.075504	5.17662	6.940632	6.178369	7.272218
CNTN4	2.981508	2.711988	2.709269	2.6526115	2.6775305	2.610186	2.674934	2.650571	2.635424	4.064281	2.8561585	3.328581
ZNF80	2.527592	2.327264	2.315093	2.232578	2.226091	2.24977	2.473253	2.259271	2.101746	2.042738	2.369381	2.233882
GLO1	11.2977	11.3652	11.03076	11.34301	11.29961	12.24911	11.80019	11.20735	11.41634	11.13676	11.81448	11.36825
SLC40A1	4.0066755	3.9140695	3.958822	4.2265295	4.519251	4.523469	7.489874	4.6191075	5.9030475	7.070239	3.7332975	6.815527
RUNX2	4.5832495	5.132344	4.923401	4.6226525	6.585631	5.1861285	4.276651	6.610168	4.74417	4.9723385	4.7992905	4.711527
UROS	6.601054	5.794416	6.344971	6.861697	7.595556	8.217101	7.810379	7.67397	7.069174	6.412214	6.41046	6.368729
LRRC25	5.582054	5.903021	5.324726	5.698827	4.771878	4.764171	4.863649	5.157768	4.956603	4.704427	4.964899	4.905774
RNF14	8.530792	7.931012	8.241841	8.645094	9.206684	9.192978	9.928631	9.194902	8.9332	9.186421	9.444178	8.687079
TRIM54	4.278859	4.382965	4.307354	4.240535	4.554018	4.501774	4.166235	4.075946	3.904906	4.413573	4.665029	4.036541
ITGA1	6.1698235	5.1607885	5.4827945	5.080361	7.311922	7.610645	7.240384	7.319771	5.3147545	6.925139	5.5761785	7.8440965
CDH19	2.863623	3.089608	2.950566	2.491626	2.928065	2.742119	3.372514	2.650446	2.75311	2.598227	2.747111	2.659885
RSAD2	3.4486245	3.466984	3.4453905	3.6488895	4.3420245	3.0862445	3.726899	3.8584605	8.028925	3.937264	10.35158	3.4770845
ANKMY2	9.655258	9.489071	9.389176	9.292636	8.359236	8.48226	8.866262	8.343493	9.244006	8.960087	8.328321	8.380221
ATF7IP2	4.778749	4.723128	5.033975	5.177135	5.670687	4.8676515	5.173553	5.4218915	5.4779055	5.1496595	5.373075	4.576164
CRTAP	8.566559	8.435835	8.197107	8.741421	8.862005	9.054045	8.891878	8.820995	8.615147	8.43335	8.656033	8.285388
LRRC56	5.770262	5.959195	5.95501	5.638746	6.026491	5.811371	6.113769	6.084667	5.721842	6.002265	6.009436	5.878298
FAM122A	5.631202	5.144244	5.965611	5.603498	5.43858	5.956566	5.186043	5.749086	6.44544	5.346605	5.782964	5.361306
SMAD2	8.146069	7.66647	8.0390335	8.2782155	8.2072225	8.223344	8.436122	8.1366765	8.662693	8.3804905	8.0112	8.357498
LAPTM5	5.203062	5.252374	5.088089	5.3829335	5.558275	5.68067	5.4697885	5.5633525	4.9654475	4.949297	5.6406975	4.7905355
ZDHHC19	4.705063	5.14028	4.8588455	4.8945515	4.8733385	4.730343	4.7041235	4.896415	4.8163395	4.553334	4.851799	4.689579
FBXW4	7.822881	7.972399	8.080935	7.872182	7.565952	7.619324	7.412629	7.637901	8.226411	8.076783	7.850952	7.97606
MAN2B2	8.253924	8.614157	8.506473	8.354403	8.040775	8.119444	7.228463	7.973714	7.924685	8.318011	8.691085	7.596492
NAGS	7.367227	6.431114	6.956355	5.897132	5.242115	5.213988	5.414577	5.445908	5.286954	5.181024	5.416952	5.229889

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
INPP4B	8.031565	6.450324	7.040122	7.39803	5.786897	7.282446	6.231046	6.02421	7.979185	8.032778	4.753653	9.046443
QDPR	4.934838	5.311569	5.280284	5.110913	5.311569	5.987838	5.290898	5.361807	5.189366	5.528992	6.244537	5.283076
COX17	6.3741755	6.290828	6.120263	6.3632905	6.7627615	6.3425205	6.7206645	6.6522895	5.923147	6.4960435	6.363841	6.4994775
MGAT2	9.291392	9.50905	9.71135	9.540382	9.580533	10.52752	10.09155	9.598869	9.233624	8.841436	9.619313	8.506226
GNGT2	5.587411	5.680071	5.533473	5.378637	6.312879	6.968664	6.008107	6.255811	5.748866	5.447491	6.952725	6.200869
DBNL	8.513039	8.327973	8.195576	8.73167	7.959034	6.568615	7.892142	7.989627	8.305259	7.912582	7.837626	7.893918
SEL1L	7.635353	7.4901165	7.375916	7.199924	6.9421775	7.495877	7.019754	6.953511	6.8886705	6.602718	7.2326505	6.363833
LRG1	4.925549	4.925157	5.072605	4.963415	4.767424	4.501307	4.699223	4.824212	4.743174	4.522263	4.413002	4.703811
ANAPC13	6.973789	6.667813	6.767283	7.0858105	7.0483505	7.2641095	7.062176	7.013191	7.023937	6.5147205	6.748002	6.5455945
ZFYVE21	8.639268	9.0230935	8.9572965	8.8199935	8.328565	9.0994075	7.969767	8.0488775	8.526601	7.99293	8.626066	7.8168735
GPS2	9.1018405	8.8150995	8.976152	8.5074175	7.5806745	7.357197	7.7417105	7.7318435	7.3050085	7.6960575	7.8589045	7.705758
PPP1R12A	9.976196	9.807213	9.630198	9.941781	8.904613	8.82983	8.439452	8.97834	9.299608	8.847791	7.400094	8.72048
CDCA7	6.319033	6.154378	5.8098205	5.8725425	6.317794	3.9901055	8.652495	5.905543	5.878296	7.2937275	6.126001	7.500281
RASSF3	7.886725	6.95399	7.828532	7.762112	7.403786	8.170206	7.10561	7.735188	6.724616	7.506535	7.234493	8.048029
TXNDC8	4.120081	4.525224	4.1519	4.498465	4.404598	4.462306	4.575891	4.809452	4.589717	4.425876	4.489132	4.696337
FOXA1	2.8086195	2.8158245	2.8181	2.835909	2.7610525	2.91103	3.327403	2.9408905	2.9029695	2.9169465	2.7742035	3.091253
MCM10	7.008901	6.567779	6.509135	7.692904	7.15982	3.688771	8.442143	6.764788	4.367329	7.297169	5.484565	7.103214
GZMB	3.3484	3.916934	3.503558	3.524578	3.792177	3.709049	3.62281	3.735181	3.579355	3.578133	3.713988	3.18284
TMPRSS12	2.736952	2.591665	2.524556	2.371153	2.884764	2.853444	2.741125	2.972021	2.801298	2.749409	2.956574	2.479288
ATP6V0B	9.392077	8.735211	9.260159	9.443718	10.5006	10.81778	10.78972	10.42842	10.24119	10.32231	11.14215	10.10077
NUDT6	6.369968	5.51089	5.445908	5.961539	6.541856	7.38532	6.946158	6.549419	6.787379	6.201303	6.887521	7.057084
TTLL4	4.975028	4.726336	5.014023	4.760138	4.831775	5.252745	4.803853	5.125532	4.903882	4.759998	4.915977	4.42726
NR2C2	6.9404555	6.6158895	6.583019	6.378442	6.720739	6.913776	6.6957235	6.740977	7.103361	6.7684245	6.7751545	6.7259005
MMP8	3.293107	3.416785	3.196184	3.1710535	3.3612415	3.977736	3.2613985	3.3470155	3.2902475	3.407046	3.293934	3.268642
LRRC59	3.053423	3.448271	3.224956	3.096482	3.163405	3.001049	3.135495	3.080202	3.137481	2.94568	3.029692	2.931014
DCST1	3.892327	3.945558	3.892327	4.447349	3.955489	3.797203	3.699932	3.963993	3.825158	3.6811	3.841094	3.350577
MTMR9	7.549742	7.010399	7.322596	7.292333	7.135947	8.008952	7.649753	7.055964	7.950635	7.997228	7.64802	7.892151
MYB	3.4019365	3.442705	3.36396	3.6859525	3.004362	3.1959345	3.288836	3.084793	3.034749	3.412848	3.170259	3.264717
PCDHB16	3.983777	3.756374	3.733609	3.465146	2.372622	2.383214	2.462747	2.816569	2.321073	6.88886	2.747111	4.797272
IRF1	6.3857975	6.632892	6.825598	6.461283	6.587393	6.926993	6.692844	6.603173	9.884096	6.4068425	8.2275045	6.1275005

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
MYBL2	6.761653	7.029689	6.735123	7.029052	7.116519	5.648704	7.572968	6.75039	5.980856	7.128649	5.940555	7.006275
APCDD1	4.402655	4.20399	7.001117	4.325828	10.75438	9.660287	10.66141	10.47303	3.044126	10.54593	9.078664	11.51229
MRPL19	6.025603	5.367046	5.90613	5.794233	5.456146	7.059793	6.412214	5.467041	6.196725	6.747822	5.696823	6.085201
VCAM1	3.854369	3.456164	5.19162	7.674801	5.5283	3.591643	3.664926	4.564653	10.94903	8.168434	3.900388	5.008712
CDKN2B	4.25361	3.956232	4.523337	4.491489	6.358486	8.2635655	5.123305	6.2522255	8.1765695	5.283248	8.2394465	5.5578915
PHOSPHO1	4.399134	4.238832	4.226964	4.214671	4.678516	4.799005	4.518548	4.34193	4.53827	4.090448	4.50655	3.760369
EXT2	9.2974485	8.8748295	9.568834	9.4323555	8.8024235	9.7583825	8.7692855	8.8595325	8.8665425	9.2492205	9.342194	9.0389615
FCF1	5.528878	5.20323	5.524938	5.420906	5.704298	6.093673	6.065165	5.668918	5.228291	5.604212	5.979206	5.398368
SMG1	5.26272	4.596771	4.928111	4.479799	5.207787	6.250315	5.845168	5.128523	5.387489	5.807487	5.713476	6.603736
CD274	8.3491675	7.988565	6.9526375	6.9695805	4.442311	4.058452	4.3736985	4.66885	7.5666125	4.6803765	5.596918	5.232976
NUDT12	4.811537	4.3864455	3.847238	4.978075	5.7159315	4.90121	5.825075	5.7478945	4.665853	5.712253	4.831525	5.7991815
PCYT2	5.43279	5.581568	5.4914195	5.6860215	6.1956985	6.6540955	6.330606	6.1020245	5.8050475	5.882396	6.1580235	5.651444
SRXN1	9.23318	9.497695	9.757112	9.590631	8.959582	10.03546	9.078256	9.094089	9.611495	9.096303	10.62101	9.292264
MYL5	6.131942	6.571659	6.887671	6.704642	6.777891	7.304764	6.759065	6.773368	6.968464	6.495344	7.916822	6.555393
KRT18	6.36582	7.627876	7.132087	9.791536	7.657731	11.24192	8.8669	7.771743	10.73929	7.016969	8.564189	9.047122
FZD10	3.205295	3.137195	2.98207	3.132962	2.992707	3.059398	2.982714	2.966818	3.105731	2.762558	2.917545	2.659885
TRIM17	4.25805	5.294729	4.771233	4.965835	4.844892	4.472751	5.243171	5.069106	4.467668	5.229236	5.051196	5.779461
KRTAP4-5	4.53193	5.095915	4.862604	4.949202	5.026537	4.402793	4.834427	4.726809	4.361325	4.663463	4.485595	4.330534
PHF20L1	6.331986	5.803	6.061458	6.509379	5.969622	5.862432	6.39291	6.124882	6.53656	8.629747	5.573225	8.238116
MSI1	3.293302	3.691748	3.527256	3.663961	3.492482	3.419466	3.759208	3.693498	3.20912	3.218494	3.554771	3.389604
CCL19	4.381582	4.497675	4.680971	4.499574	4.489724	4.654605	4.089946	4.614976	4.475652	4.678287	4.392887	4.321831
TRAM1L1	5.334388	5.027173	5.268744	5.529231	6.707554	6.265221	6.424829	6.802964	7.010354	7.042086	6.461804	6.130155
KIRREL3	4.809891	5.938596	6.153586	6.555485	3.478437	3.460018	3.553386	3.476809	3.592026	4.052322	3.698538	6.399254
ABCC9	4.809891	4.707604	5.123317	4.085773	3.487267	3.480482	3.118279	3.323761	3.46978	3.170985	3.381429	3.51249
IRF3	8.026753	8.364134	7.945096	8.141681	8.027032	7.772903	8.237138	7.617599	8.02535	8.229105	7.983954	8.111142
IGF2BP1	5.177299	5.205174	5.160107	5.436524	4.678376	4.686808	5.497684	4.671935	5.804378	5.310797	4.768022	4.413191
GLRA3	2.416757	2.551973	2.453431	2.416757	2.574776	2.363086	2.47754	2.587457	2.333483	2.387607	2.345719	2.257291
CDC42EP3	9.5444975	10.49024	11.00725	10.84081	7.474731	9.3498175	6.6026105	7.8395725	10.815965	5.9120035	9.203275	3.801563
CLCNKB	5.35849	5.525602	5.4834	5.563079	5.385883	5.407744	5.076135	5.53371	5.548842	4.979167	5.032637	4.428154
INSL6	3.833315	3.901334	3.585784	4.123546	4.151075	4.146799	4.064123	4.093651	4.010386	4.093061	4.305772	4.083738

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
IMPAD1	9.089928	8.6753445	8.751348	8.956355	8.7127355	8.8866295	8.9697185	8.592976	8.04476	8.049431	7.838463	7.7108305
DIRAS3	8.060684	9.128862	6.220778	10.05593	3.89584	5.100701	3.552454	3.346014	5.122214	5.023679	4.010039	5.81517
HPS1	5.808655	6.159431	5.660612	6.345237	6.790489	7.15212	6.674316	6.799852	6.843603	6.228816	6.728712	6.305854
MKNK1	4.790531	4.349969	4.525174	4.76	6.246712	7.340979	5.929319	6.582535	5.528657	7.296318	6.043947	6.466508
SERP1	9.71764	9.74782	9.7179175	10.141118	9.283607	10.038931	9.9052535	9.283332	9.6519175	9.586265	9.726659	9.7470405
NUDT4	5.9206805	5.58885	5.8075385	6.059886	6.307915	6.5453155	5.635969	6.407135	6.805538	5.9276655	7.817132	5.733625
PSPC1	6.172562	5.592733	5.874181	5.901782	7.524804	6.792144	7.354968	7.36728	5.69961	5.767928	6.727048	5.591157
TNMD	3.791325	3.609489	3.424788	3.826043	4.375648	5.268337	4.868373	4.062087	3.301882	7.552537	3.72868	6.157131
RDH10	6.21216	6.999581	7.7192815	8.615065	8.7754835	9.461895	9.054374	8.8739365	8.092929	8.007641	9.4463875	7.9133275
TRPV4	5.035378	4.993763	5.01798	4.836374	5.114576	5.046592	4.845782	5.036891	4.51447	4.350381	4.675318	4.37258
CYP2C9	3.693437	3.735109	3.741772	4.131388	4.108083	4.068539	4.148894	4.079679	4.030051	3.855373	4.003215	3.665186
USP13	7.361942	7.101528	7.086884	7.345072	7.322679	6.907032	7.871037	7.213598	7.062245	7.716533	6.829341	7.834233
NFIA	6.46033	6.244067	6.415143	7.264917	6.534035	6.620103	6.090933	6.117207	5.84614	7.203465	6.219165	7.125826
GYS1	9.572619	9.814267	9.825743	9.144502	8.300986	8.369087	8.52274	8.302959	6.638774	7.981227	7.059793	7.990577
RBBP5	5.01766	5.834673	5.911358	6.679862	8.059331	8.145137	7.836725	7.900021	7.77284	7.466831	7.51076	7.560468
ZNF805	6.42766	6.174984	6.003155	5.953094	5.403409	6.206154	5.358203	5.332626	5.576604	6.278989	5.098315	5.746847
SYT15	6.069044	6.262378	6.101352	6.2522225	6.8706625	6.0605795	5.943083	7.011163	6.5917825	5.7840215	5.997226	5.907922
LST1	4.693778	4.987872	4.8543175	5.034812	5.229273	5.112839	5.041998	5.3212215	5.0374095	4.839692	5.0802905	4.8689695
LAMP3	3.545503	3.174422	3.432946	3.352974	3.255195	3.500482	3.291317	3.119259	7.801491	3.323865	3.592076	3.329545
GSTT1	4.038802	6.818045	6.6367345	6.1157985	6.2098895	4.671575	6.83503	6.1730605	5.4704725	6.7824785	5.211726	5.9578375
RNH1	8.140498	8.136396	7.87093	8.224303	7.9080035	7.791103	7.853182	7.954387	7.8246345	7.534702	8.167517	7.5735125
RPP25	5.80382	6.1155715	6.215613	5.7868945	7.218114	6.5386085	7.3909845	6.9193945	7.543685	6.7506155	7.349178	6.790815
SOCS2	9.2438385	8.9493435	9.7786415	8.489801	6.770705	5.1026945	6.392314	6.773923	6.111195	6.4172495	6.612549	5.2538905
CLCA2	3.2933925	3.363975	3.3520945	3.1809215	4.789212	10.09102	4.2822395	6.0987875	3.005443	3.5931485	6.7756135	4.346774
TNFSF13	4.6847825	4.501076	4.660751	4.461073	4.5199575	4.7251435	4.302379	4.546387	4.2442225	4.4076395	4.695533	4.320841
ADAMTS14	6.332195	6.047917	5.636489	5.811643	5.670018	5.67701	5.828663	5.744042	6.264389	6.020412	5.530958	5.367266
ZMAT5	6.802718	7.040585	6.437803	6.826913	6.807018	7.785735	6.758221	6.887726	7.221172	6.555864	7.534859	6.440174
PAXIP1	7.813785	7.674021	8.07868	7.686618	8.128659	8.078795	8.82449	8.061686	7.452489	8.077578	7.817789	8.408436
RDH5	4.134925	3.872096	3.588022	3.995954	3.687354	3.994249	3.614649	3.541173	3.958468	5.402257	3.947068	5.249675
LRRC2	4.1566995	5.313777	4.80741	3.950076	3.996764	4.430757	3.267526	3.878346	3.85636	3.760015	4.722637	3.759067

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
HRC	4.455338	4.499695	4.253994	4.377065	4.650529	4.640473	4.375631	4.490218	4.694151	4.634928	4.620264	4.363731
EPHB3	6.0696155	6.449006	6.385301	6.4279025	6.364403	5.969036	6.7574275	6.4934015	5.534326	7.3836575	5.958776	6.453592
RASL11A	4.760528	5.210924	5.286094	5.31975	5.220972	5.834805	6.285716	5.510167	5.434957	5.271678	4.976003	5.59469
TXNDC9	10.04255	9.155092	9.807581	10.33602	10.61254	10.51049	10.25414	10.66323	10.75512	9.229724	10.1142	8.866795
ZNHIT2	5.153269	5.104143	4.940726	5.573864	6.323657	7.235023	6.295899	6.256703	6.588474	4.723799	6.947525	4.860675
ZNF233	3.062135	2.926742	3.203553	3.2864515	3.2203345	3.1709665	3.2836025	3.228838	3.6625575	3.6000095	3.1738335	3.122362
MAP4K2	5.065444	5.465669	5.171548	5.295101	5.654151	5.468495	5.607182	5.622475	4.847899	5.289417	4.88108	5.341144
DAP3	8.137772	8.313505	8.022676	8.017239	7.509512	7.848937	7.929902	7.134712	7.495736	7.438753	7.0613	7.246266
TSGA13	4.45093	4.439476	4.213154	4.403885	4.056993	3.692621	3.849427	4.194614	4.106874	3.948051	4.010789	3.713227
CD3EAP	8.037907	8.209884	7.654295	7.949773	7.793676	8.314109	8.032504	7.739009	8.19895	7.978625	8.421017	8.17952
MUS81	8.359167	8.298451	8.135252	8.090715	8.204438	7.730678	8.368505	8.184299	8.222047	8.374952	8.60158	8.316244
PMPCA	9.103943	8.86434	9.181725	9.337016	9.474043	10.00407	9.303822	9.687692	8.935165	9.302276	9.73245	9.171803
TIGD1	5.971144	5.836005	5.912903	6.176235	6.299205	5.934122	6.514297	6.231058	6.900457	7.344047	7.229012	7.429134
MRPL15	9.999649	9.908043	9.966403	9.967918	10.35529	10.65234	10.81786	10.17514	10.35464	10.01142	10.74561	10.09368
CLPS	4.751534	4.815795	4.772176	4.882819	4.866765	4.590907	4.697078	4.975326	4.916459	4.938023	4.84775	5.051783
SLC30A3	7.198159	6.885649	6.990609	7.177673	7.42954	7.154816	7.368188	7.524865	7.376576	6.93111	7.293483	7.080372
MYNN	4.339298	3.7825585	3.9268725	4.192704	4.466335	4.730853	4.3862045	4.280269	4.8519455	4.262693	4.060663	4.455664
MEST	4.012083	4.038848	4.97479	8.791976	8.006248	7.267367	5.64652	8.151439	12.64916	8.010826	3.991171	8.707836
DDX20	6.6874875	6.643914	7.2595435	7.367109	7.302323	7.901136	7.567953	7.4416965	7.458171	6.890369	7.4728975	6.753367
SERTAD2	10.94221	10.755735	10.31541	10.57153	6.4740785	7.969871	6.5304765	6.4908345	9.2715035	7.855683	8.4501895	7.9991765
CPA4	5.478532	5.482118	5.607541	6.877163	7.88942	11.47935	6.218914	8.660977	8.315387	6.706894	7.855444	5.86885
FYCO1	7.2071825	7.3043835	7.435349	7.2344605	7.250327	7.302134	6.6948825	7.1982775	7.6319745	6.628172	7.655507	6.5995535
ARPC2	11.45323	11.24566	11.21387	11.8041	11.52131	11.70412	11.24669	11.51623	11.15052	11.15297	11.53145	11.36725
RTP1	2.645627	2.900512	2.5846845	2.669089	2.633372	2.5770925	2.6976545	2.818441	2.556378	2.6067985	2.661852	2.899154
USP31	6.889544	5.987435	6.719336	6.667585	6.338561	7.295727	6.97816	6.39817	7.770635	6.156265	7.193357	5.796232
ALDH9A1	10.55865	10.9387	10.73434	10.88079	10.34031	10.28278	10.26347	10.15608	10.60218	11.19107	10.69751	10.74558
CBX4	6.7302815	6.7042675	6.8897955	6.672762	6.894331	6.7727895	7.06963	6.8155405	7.381998	6.8686625	7.26238	7.1240805
TRIM44	9.337973	9.1404565	9.42447	9.2664095	9.114391	9.1276935	9.237173	8.987	9.7868415	9.3548985	9.217038	9.418345
GTF3C1	8.291274	8.355575	8.326197	8.156151	8.5336805	9.238052	8.4345935	8.4546375	8.040879	8.5612155	8.6959215	8.5513415
MRPS30	7.348379	6.860501	6.780339	7.010513	7.242763	8.499365	7.562242	7.176562	7.405971	8.138855	7.901614	8.186855

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
MYOT	2.3982985	2.5588935	2.470576	2.5453175	2.5157545	2.400006	2.26253	2.3524365	2.3565735	2.598409	2.366568	2.3969025
ST5	7.682815	7.575395	7.765061	8.033588	7.861538	6.30128	7.71745	7.589394	7.351795	8.894919	7.11954	8.211337
BTG2	5.3355455	5.594867	5.2316655	5.415649	7.7500275	8.0260355	7.296847	7.7418795	5.9474295	6.732699	7.6052895	6.264462
FRS3	5.623118	6.057568	5.393933	5.215314	5.091441	4.448726	4.943267	5.024799	4.930937	5.396223	5.289434	5.201929
CCDC36	4.354895	4.43512	4.36639	4.758151	4.834493	4.056625	4.368356	4.889005	4.374237	4.267883	4.597575	4.098793
EPB41L4B	3.8014685	3.776222	3.6679825	4.381123	3.9977105	4.251799	4.4965075	4.078048	4.300092	3.9059225	4.190282	3.7755205
GPR20	4.511362	4.571858	4.695294	4.435086	4.795336	4.686943	4.631043	4.930273	4.405488	4.537174	4.786816	4.709769
RAD17	8.205728	7.837201	7.955311	7.795668	8.093918	7.845488	8.298254	8.098483	8.44875	7.595226	7.586127	7.448459
DDX59	6.72992	6.556224	6.720834	6.226612	6.866353	6.265221	6.643854	6.476119	6.556802	7.336114	6.534323	7.791704
ADH7	3.431092	3.225247	3.482374	4.147661	5.471995	3.288253	3.67496	5.263758	3.404519	3.324268	3.827206	3.162161
B3GNT6	4.717423	5.187563	5.0050855	4.8143835	5.158334	5.2287555	5.07756	5.076518	4.8879065	4.7469605	5.149884	4.755126
CRYGS	4.229357	3.7643195	4.2863845	3.7771215	4.530572	3.653633	4.074938	4.572531	3.93123	5.7141335	3.79429	5.629982
SCT	4.054007	4.437739	4.379929	3.583303	4.541869	4.136675	4.256681	4.678516	3.763402	3.28655	4.230152	3.580267
MAGEA11	2.993873	2.747111	3.141092	3.034832	2.752013	2.833769	2.87799	2.600008	2.858376	4.541194	3.520876	7.499647
ARHGEF2	7.023834	6.843365	6.417528	6.469815	6.2651905	5.966698	6.2756885	6.201708	7.4238945	6.70157	6.8281165	6.632112
GLDC	5.009838	5.461451	5.131408	5.206367	4.680814	5.766193	4.748605	4.945332	5.336506	4.635386	5.640579	5.01721
KLK10	4.140059	4.2759365	4.329533	4.3225965	4.447815	4.611508	4.6729065	4.556203	4.406051	4.5172205	4.679097	4.2297525
GNPTG	8.207724	8.423816	8.522202	8.180862	8.458451	8.867533	7.715961	8.474983	8.735302	8.086006	8.796453	8.122739
EIF2B1	9.489971	9.518189	9.253695	9.307587	9.475666	10.04946	9.779571	9.49966	9.219369	9.158272	9.767441	9.147779
LPP	7.153698	7.704398	7.263627	6.355138	5.651088	5.7242795	5.1601255	5.8114255	5.9628915	5.8356525	5.1153245	5.6146175
KIAA0895	2.723174	3.251326	2.909817	2.604163	3.421902	6.391449	6.960696	3.505554	4.752013	4.999838	3.717799	4.925156
GRAMD1C	5.210745	5.816678	5.844186	6.025711	2.73535	2.979724	2.664399	2.588505	4.295563	3.997734	2.674475	3.676057
GUF1	6.561808	6.0684295	6.215715	6.873906	7.81168	8.845898	8.3461365	7.969777	7.7721925	7.294604	6.978277	7.3844895
COMMD1	9.412849	9.181618	9.456582	9.702028	9.189769	8.962811	8.955091	9.182721	9.099699	8.927419	9.235033	8.993749
TAOK2	5.768578	6.219165	5.99744	6.125353	6.189404	6.135824	6.350803	6.236532	5.693747	6.433342	5.845924	6.179905
RGS8	3.591379	3.7794465	3.791482	3.6553235	3.886101	3.7276835	3.5595135	3.9106095	3.933335	3.8564795	3.837978	3.724398
GRB14	3.69466	2.994846	2.703272	3.327422	4.351341	4.449309	4.090794	4.11794	4.299911	4.479559	3.732129	5.487037
TRPC5	2.857464	2.55856	2.708737	2.572568	2.628139	2.591835	2.548769	2.556933	2.697247	2.632295	2.772762	2.487924
PBOV1	3.008262	3.2269585	2.839587	3.0295735	3.084304	2.920655	2.991042	3.056666	2.975753	2.897289	2.951809	2.762397
PHLDA3	7.818781	8.274292	7.764979	8.339478	8.493771	9.039288	7.914765	8.453955	8.587712	7.753176	8.714516	7.670557

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
STXBP3	5.873867	5.7607355	5.667918	5.748852	6.06659	6.148719	6.029294	6.083013	6.030458	6.3422375	5.3827625	6.1500855
GOLGB1	8.2763	8.1913995	8.5332485	8.1932465	8.103759	7.9679615	7.6387835	8.25709	8.1850995	8.0543735	6.084929	8.092465
ZNF713	2.739399	2.626501	2.576353	2.643754	2.590831	2.619967	2.437403	2.565113	2.764936	2.632182	2.863129	3.568606
NEK11	5.959577	6.260953	6.439866	6.084883	5.393304	5.533786	4.906558	5.2616	5.982119	4.857057	6.747071	4.841356
LRRC57	6.150348	6.0176735	5.925751	6.5480645	6.438466	7.3070285	6.4784185	6.3998475	6.613924	6.1688235	6.806007	6.1738105
LACTB2	7.188597	6.685982	7.3255675	7.313595	8.518206	8.058098	7.7895915	8.4844875	9.1754155	7.5694705	8.3788025	7.44093
TRDN	2.617389	2.613032	2.606812	2.681741	2.623082	2.640232	2.618456	2.599449	2.536798	2.611868	2.746294	2.545414
CC2D1A	5.2103705	5.8202465	5.4275945	5.182709	5.176433	5.545347	5.0033515	5.1377975	5.346725	5.09768	5.181691	4.7757855
YIPF3	8.93786	8.933947	8.917848	8.922089	7.537517	7.890769	7.040623	7.460126	7.94579	7.861499	8.299727	7.874668
TUFT1	5.976196	6.562009	7.862135	6.338297	6.559995	9.674121	6.697144	7.039929	9.349969	7.566632	7.788406	7.03102
GNS	9.546574	9.601943	9.31656	9.571506	10.00904	10.08726	8.890321	10.0831	10.31361	8.263659	9.582326	8.129994
DNAJC3	8.37224	6.1799785	6.6887945	7.2134015	7.5745025	8.4550075	8.165542	7.665935	6.607572	7.2768735	6.7822505	7.5173585
PTS	9.6992	9.257836	9.371073	9.460255	9.523296	10.11331	9.573174	9.474094	9.827923	8.436154	9.755658	8.958546
GPR21	4.819695	5.157142	5.110022	5.293215	5.293562	5.073888	5.172262	5.197153	5.154013	4.52709	5.172004	5.128041
NUMBL	8.0034145	8.0792355	8.1549805	7.8574515	7.7738135	7.634381	7.5149645	7.6017125	7.2540085	8.058965	7.7853665	8.012747
NRTN	2.787073	3.111332	2.774638	2.741284	3.01805	3.27193	3.936299	2.816862	3.072395	4.244689	3.033144	3.021427
MKLN1	7.497636	6.9811875	7.2006405	6.974576	6.6590395	7.3457295	6.5806475	6.638108	7.0347445	7.23212	6.217245	7.264075
COL4A6	3.498054	3.429606	3.581561	3.373175	4.189774	4.40184	4.048784	4.330963	4.673029	3.79343	4.039195	3.781823
CLCN5	3.862951	3.222956	3.76729	4.390342	5.063364	5.760441	5.913949	4.9771	4.937798	5.70527	5.114388	5.46781
RCE1	5.3543335	5.8932145	5.4325695	5.262747	5.2810085	5.1414075	5.360842	5.190245	5.4280975	5.3304925	5.456917	5.362697
GDF5	6.450467	6.679368	6.822896	7.084822	5.889684	5.576778	5.842935	5.761767	6.598631	5.4642	5.695432	5.587975
IFT140	4.718505	5.126955	4.95976	5.309605	4.867295	4.806891	4.658895	5.020367	4.480381	4.58865	5.132619	4.884788
ZNF398	6.7110095	6.4937205	6.994243	6.536083	6.2491935	6.440305	6.09862	6.2430685	6.152706	6.0021495	6.2877345	5.756721
DOCK7	7.4446035	7.2832835	7.7387775	7.75957	6.1341205	6.026798	6.4671875	6.018037	6.8973985	6.3670045	6.160398	6.118975
EPHB2	5.470379	5.599078	5.794177	5.942365	5.0185075	5.0362685	4.997943	5.2218985	6.6924435	5.042831	5.2236575	4.634903
ACY1	4.621251	4.75947	4.490941	4.476369	4.27178	4.357628	4.252452	4.531363	4.261698	4.261698	4.434112	4.13767
TBK1	8.350876	8.324698	8.689859	8.636328	8.909585	8.798569	8.655239	9.032846	9.054969	8.417624	8.201678	8.33416
LIN9	3.051641	3.08249	3.106179	3.347635	3.593467	3.152208	3.192227	3.245385	3.129867	2.996078	3.000137	3.106179
AGXT2	4.362877	4.651914	4.270942	4.460795	4.553517	4.333104	4.275427	4.671047	4.581398	4.101704	4.668734	4.68888
ST3GAL5	6.965099	7.156751	8.223523	8.00398	7.308683	6.630445	5.475722	7.066751	7.589087	6.912715	7.652393	7.46591

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
GIMAP8	3.5021085	3.303053	3.551761	3.467372	3.4104335	3.275282	3.218389	3.330988	3.3772355	3.2057555	3.209505	3.0666965
DNAH8	3.693334	3.754284	3.897543	3.736634	3.754348	3.353229	3.617281	3.577051	3.55285	3.328057	3.284163	3.395975
SCG5	10.34377	11.401	10.59566	9.366102	7.74317	3.128187	3.762214	7.789221	7.099049	7.850201	7.109396	4.431163
TRIM56	8.241035	7.945461	7.496358	7.419026	7.313908	6.675981	7.07462	7.212064	8.239632	7.411121	7.921694	7.201208
RBM38	5.7598	6.171741	6.471046	5.959459	6.124118	6.692322	6.771827	6.001563	6.106453	5.90889	5.818964	5.695519
TRAF3IP3	3.4276585	3.379182	3.43138	3.4309035	3.5911935	3.438635	3.1606255	3.3082195	3.534581	3.207788	3.6822825	3.140523
FBXO46	7.465182	6.813353	6.903287	7.258275	8.024153	8.052416	7.728572	7.933051	7.476081	8.176418	8.032625	8.398123
GABRR1	2.502559	2.896185	2.710388	2.661785	2.80694	2.789979	2.676877	2.477011	2.565656	2.561564	2.566332	2.652271
LRRIQ1	2.646305	2.78764	2.900594	2.555191	2.790391	2.851267	2.866522	2.743771	2.865924	3.081582	3.015542	3.188538
OR1J2	4.774981	5.001178	5.122214	5.2270155	5.3210835	5.0476435	5.021288	5.134416	5.0970995	4.911049	5.0687495	4.901836
ARHGAP9	4.024354	4.311621	4.119195	4.42674	4.309645	3.982598	4.22197	4.439621	5.677544	4.54795	5.104153	4.891992
FREM1	3.4599825	3.5496335	3.6665925	3.477098	3.66094	3.337016	3.675546	3.7310845	3.698277	3.649418	3.8352365	3.6415165
CRYBA4	4.356921	4.412586	4.271706	4.821882	4.312475	4.309645	4.36946	4.514915	4.301804	4.188562	4.693948	3.660303
SMARCB1	5.111346	5.464579	5.0681255	5.2072885	4.9296555	4.821662	4.9304085	4.8439635	5.235143	5.0526605	5.028366	5.042368
MBNL3	3.730429	3.303144	3.568681	3.439931	3.900519	3.82812	3.451258	3.825143	4.00748	3.507154	3.62113	3.552511
PRICKLE2	8.674486	8.239175	8.08879	7.813245	7.032277	5.294555	5.510441	7.041569	7.82241	6.433753	6.945834	6.528037
NEUROD2	5.147756	5.3743245	5.0858845	5.3032515	5.458337	5.072362	5.14128	5.316827	5.167862	5.101346	5.1561415	4.879371
GPR161	6.8047975	7.230945	6.939374	6.3864735	4.898492	5.317843	4.810049	5.019467	6.706678	5.42533	5.233919	4.8054395
FN3K	4.442688	4.719257	4.519638	4.494864	4.52575	4.533283	4.243128	4.392767	4.548436	4.270381	4.641573	4.345295
TJP1	8.9540505	9.531901	9.2831745	9.2660775	8.8065185	9.262004	9.1195075	8.790151	8.988916	9.043767	8.7174365	9.3441475
G6PC2	5.273786	5.558153	5.214447	5.674802	5.451412	5.353234	5.251877	5.459254	5.632662	5.218454	5.490751	5.141651
PKD1L2	3.917965	4.132858	3.7438255	4.0267625	3.898216	3.6820535	3.5460965	3.903823	3.8765475	3.562833	3.691887	3.613237
KBTBD2	8.130295	8.043386	8.207438	7.561429	7.890612	7.175264	7.563379	7.883173	7.833321	6.858611	7.227255	6.524514
TLN1	6.702748	6.353724	5.758571	6.452582	5.511758	4.634066	5.210746	5.275576	6.082444	5.394369	5.478022	4.980123
DHRS7	4.223105	4.197078	3.8150645	4.1490015	4.111956	5.072197	4.1916525	4.2548415	4.962841	4.412038	5.0601045	4.798287
ELF2	7.526448	7.409921	7.499628	7.742207	8.232696	6.955889	8.253745	7.871546	7.42275	7.728487	7.1156	7.54812
TCTEX1D1	2.540712	2.689273	3.604159	2.964521	2.231296	2.470001	2.498608	2.55856	2.387982	2.545914	2.297279	2.327108
NUSAP1	8.6982805	8.889569	8.4845875	8.6199855	9.5368575	4.7031945	10.022618	9.1562895	6.18006	9.0308285	7.410628	8.705564
GIMAP2	3.938646	3.328307	3.428583	3.817573	4.910004	2.859426	3.198209	4.515199	3.275022	4.764814	6.520906	4.209001
FRAT2	6.339801	6.433558	6.809073	6.17938	7.654221	7.059793	7.607147	7.445704	6.281557	7.085782	7.367353	6.876912

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
RBCK1	7.054124	7.394932	7.619362	7.53568	7.247453	6.908593	7.227447	7.288801	8.503209	7.728195	7.725362	7.580829
NT5DC1	5.025931	5.130466	5.4726595	5.5869975	6.2192845	6.71245	6.5033825	6.1564235	7.0720435	6.5924125	5.866905	6.7892985
PSG1	5.634125	5.547527	4.832461	5.910566	4.087623	4.521373	3.767828	4.208449	4.108961	3.633351	3.841311	3.966158
ZNF423	5.691933	4.816649	5.356081	6.595184	7.810328	10.33288	9.241509	7.56837	7.276123	7.989526	10.52968	10.45255
DNAJA1	10.483509	9.8563105	10.3106455	10.491725	11.389345	11.57606	11.569165	11.33	11.4968	10.96689	11.09405	10.61554
MTSS1	4.99455	5.5447645	4.956037	4.662686	4.5741855	4.440887	4.493911	4.587161	4.396184	4.5372295	4.9134565	4.489296
HERC6	4.157952	3.8546885	4.1530995	3.8130735	5.142702	4.2103465	5.063936	5.166086	6.769591	5.293591	7.0521965	5.4368675
FUNDC1	7.896301	7.526358	7.704412	8.01867	8.680146	8.888678	9.088953	8.731868	8.317307	8.353879	8.49978	8.541094
ESM1	8.31332	6.874797	6.600359	7.047436	3.489754	3.463299	3.098511	3.395841	3.12412	3.002096	4.208343	2.871831
PINK1	9.3129385	9.287388	9.7486265	9.4613215	9.0443615	9.0827965	7.6517345	9.128836	8.0977205	7.4715815	9.079047	7.335114
ILF2	10.24951	9.875177	10.10627	10.67689	11.10731	10.20959	11.3046	11.00875	10.77724	10.09068	10.5431	9.540956
KRTAP9-3	2.689552	2.317175	2.454847	2.729409	2.576741	2.831563	2.765059	2.96115	2.782163	2.700551	2.766157	2.633801
EMID1	5.0273715	5.1380535	5.0194645	5.056884	5.254857	4.8810285	4.914505	5.2047955	5.1671835	5.1316315	5.088183	4.7944025
OR1J4	3.925941	4.174476	4.470066	4.078231	3.9134835	4.0132905	3.736204	3.93471	4.021612	3.9350875	4.159171	3.860224
CDC73	7.903483	7.52538	7.928242	8.229462	8.630144	8.505472	8.217209	8.663874	8.127252	7.396675	7.384736	6.99132
MYO1C	9.35535	10.09135	9.70271	9.215717	8.889102	8.013618	8.674336	8.89722	8.660463	8.536226	8.219509	8.574048
KLHDC8A	4.957123	4.687542	5.031092	4.8256495	4.853543	4.6195555	4.4722375	4.882031	4.598082	4.585708	4.703413	4.4124745
TSPYL6	2.584258	2.499156	2.716254	2.66655	2.643846	2.465703	2.674817	2.69189	2.397394	2.383128	2.385385	2.728497
BTBD6	8.813676	8.635277	8.792809	9.266174	8.050948	7.667659	7.926374	8.006361	8.196973	7.843532	8.351244	7.783323
MYEF2	3.421913	3.436385	3.900519	3.588046	3.490026	3.578029	3.491169	3.5984	6.521977	3.507134	3.497929	3.423908
KIAA1958	5.997843	6.396738	6.7946655	6.42054	7.086687	7.0159205	7.3954285	6.9301665	5.1509645	8.7017905	5.505564	8.132409
TRMT5	9.5670095	9.2717575	9.176134	9.509119	9.892291	9.0601145	10.2252445	9.8244415	9.457641	10.0128965	9.781256	9.8638135
OSGIN1	5.29133	5.635833	5.497911	5.337215	5.604308	5.635833	5.552116	5.349138	5.652392	5.582868	5.747226	5.444764
HSPBP1	8.22962	8.149204	7.745872	8.264757	8.151439	8.31301	8.71489	8.03846	8.346004	8.066807	8.767633	8.055364
IFT81	6.347463	6.3115485	5.9739675	6.4372135	6.635638	5.694953	6.2888255	6.620297	6.244997	5.919328	5.535903	5.612914
GBP1	8.570247	8.5774185	8.4096465	8.5919265	8.604787	6.5377725	6.5346215	8.546996	9.609953	7.636753	9.27507	8.218001
SMPDL3B	4.703282	5.2296575	4.9083665	5.048297	5.1055955	4.872957	5.0872085	5.090796	5.2186275	4.676867	4.822725	4.616624
RHBDD1	7.200243	7.139115	7.21777	7.0692	6.431281	6.46626	6.50004	6.474135	6.555864	7.026938	7.57202	7.047581
MYOM3	4.7812625	5.3005135	5.0354685	5.104115	5.1802305	4.8401595	4.894536	5.1423725	4.8024955	4.3558345	5.043286	4.4954065
PHOX2B	3.653826	3.733806	3.772888	3.8423	3.922469	3.462373	3.802527	4.089729	3.919711	3.579278	3.720858	3.52203

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
LCN10	5.568067	5.789801	5.476936	5.327085	5.473169	5.499963	5.309845	5.593951	5.608824	5.485677	5.667632	5.307785
TSNARE1	5.618924	5.99369	5.876001	5.184253	5.515552	5.047164	5.316172	5.441949	5.628521	5.774783	5.477926	5.700285
GABRA5	2.740751	2.885131	3.024143	2.973405	2.838326	3.838389	4.027953	2.962234	2.802797	4.044746	2.936553	2.682538
NSUN3	4.431001	4.351295	4.400626	4.600727	4.985142	4.964481	4.880138	4.840521	4.916448	4.471537	4.599584	4.313925
SENP5	6.034409	5.662256	5.93888	6.421301	6.10539	6.055747	6.121326	6.012174	6.642287	5.696702	6.184397	5.822771
PRSS27	4.151541	4.388259	3.836606	3.678951	3.709852	3.55123	3.618282	3.63784	3.462075	3.391431	3.863364	3.676057
SLC5A1	4.520734	4.4358825	4.480415	4.6422815	4.561925	4.585146	4.54069	4.544261	4.584496	4.5612335	4.418369	4.5263205
IFNW1	3.841356	3.673387	4.276249	3.659254	3.67277	3.71627	3.943352	3.787807	3.530996	3.569562	3.678151	3.791517
KRTAP1-1	6.032216	5.321792	6.623546	6.951615	4.433239	4.504072	4.496076	4.716023	4.228112	4.525867	4.606348	4.183561
LRTM2	4.767037	5.375895	5.017018	4.941856	4.509188	4.582675	4.346675	4.35266	4.61057	4.05916	4.927791	4.229846
TMUB2	7.271873	7.206367	7.519288	7.365111	7.263231	7.912876	6.983611	7.328586	8.088375	7.016102	7.365253	7.128534
BCL7C	9.236084	9.495388	9.147936	9.275155	8.820444	7.684573	8.496231	8.72638	8.633963	8.9033	8.9381	8.451521
STMN2	8.2312635	7.516725	6.4335535	8.181463	3.482955	3.4811025	3.359012	3.715572	3.407346	3.6138275	3.5197475	3.452506
PCF11	7.744155	7.356085	7.442362	7.2714055	7.9153475	7.542752	8.0755685	7.7443265	8.0274965	8.338476	7.624505	7.9271875
RERG	2.976228	3.366664	3.3023085	3.119511	3.601162	5.6873655	5.731654	3.6192695	4.45126	5.4950385	4.188965	5.220769
LCP2	3.1653905	3.3514135	3.326312	3.095256	3.2060305	3.1870525	3.0663445	3.3083725	3.1573465	3.04648	3.088454	3.2128025
PPP1R3F	5.157451	5.034294	5.200071	5.008479	4.944218	5.259993	4.622443	4.905188	4.966959	4.418551	4.877594	5.005515
ELF3	4.485055	4.016853	4.322405	4.39362	4.186801	4.319297	4.075038	3.940825	4.514908	4.179733	4.171417	3.619459
PANK1	5.856389	5.792521	5.967416	6.961508	7.765515	7.996854	8.205877	7.684192	6.752425	7.679943	7.070618	7.938163
KRT6B	4.8535665	4.983811	4.9252455	5.108922	5.3778345	5.228142	4.966976	5.4257595	5.318651	5.129833	5.4452245	5.178739
WDR37	5.33491	5.714909	5.605135	5.648766	5.781811	5.827716	5.793119	5.863292	5.539515	5.37543	5.922636	5.501299
TSG101	9.998386	9.78849	10.04102	9.940566	10.02814	9.548743	9.758731	10.0315	9.926308	9.65389	10.14686	9.895602
ITSN2	5.2810465	5.2098055	5.6186805	5.255913	5.2339105	5.5837915	5.5257315	5.5670965	5.6989405	6.0060285	5.721956	6.139057
EZH1	4.943374	5.398946	4.950687	5.154808	5.25866	4.874275	5.22084	5.265803	4.91512	4.877881	5.237099	5.259253
APOA5	5.5165085	5.916492	5.582995	5.80018	5.5981995	5.4772795	5.510159	5.591558	5.5524845	5.558828	5.4350135	5.231557
SRGAP3	4.3153835	4.192784	4.212289	4.420649	4.25159	4.143713	3.9239085	4.3629825	4.2448435	4.294327	4.250074	4.168745
GFM2	8.055737	7.491582	7.728296	7.355739	8.950069	9.081363	9.029067	9.061615	8.304945	7.034903	8.73541	6.551805
OTUD7A	4.0589225	4.308557	4.1880265	4.3139	4.2578245	4.535985	4.9710295	4.270033	4.1994005	4.140371	4.284932	4.054532
SGSH	8.089484	7.897455	8.1301795	7.981715	7.577467	7.448541	7.7775355	7.442869	7.5214915	8.503258	6.8417155	7.905966
MRPL40	9.87738	9.552254	9.314816	9.545885	9.944301	9.858979	10.04194	9.826736	9.470512	9.554929	10.17711	9.619608

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
OR5J2	2.809634	2.792137	2.766643	3.1229445	2.98072	3.0179065	3.198138	3.2202225	3.0756425	2.881019	3.0168645	2.962119
KIF1C	7.352788	6.740126	7.272222	7.572978	7.379056	7.800294	6.769285	7.377948	6.538353	7.374313	6.777761	7.364198
DCUN1D4	7.5144315	7.392274	7.7914055	7.355113	8.062768	7.106386	7.868252	8.041103	7.6425445	7.2918605	6.9760235	7.039676
DPH3	9.2529145	8.749169	8.9907185	9.0434195	8.6775065	9.6608745	8.7477125	8.81404	9.3311245	7.756442	9.039053	8.077644
RPS6KL1	4.544149	4.484724	3.96017	4.533283	4.649964	5.125171	5.255842	4.894397	4.07207	4.361411	4.903068	4.624869
DPH2	6.719233	6.707664	6.608457	6.815366	7.33639	8.018499	7.930758	7.323812	7.195776	7.140558	7.944602	7.090048
CCDC69	3.68206	3.4821055	4.0455265	3.7591375	5.1143245	6.711761	4.8157925	5.3058635	3.688923	4.408692	4.1946775	3.9795045
MNDA	3.200167	3.214344	2.727796	2.879456	2.874419	3.076205	2.732388	2.865409	2.869383	2.854809	2.860116	2.659885
MRPS23	6.9354975	7.008852	6.8644225	7.4158905	7.615315	8.342736	8.1012865	7.5206795	7.567947	7.435865	8.272787	7.427231
FOXD2	3.269119	3.32975	3.252812	3.3253	3.161328	3.756086	3.621232	3.194607	3.216823	2.915564	3.1236	2.794148
UST	7.0493445	6.934909	7.2221585	7.260236	6.834483	7.4411385	7.7734825	6.9371435	6.881162	6.394774	7.512687	7.207493
KCNG3	3.000497	2.909117	2.928467	3.1596225	3.1291945	3.016198	2.9945985	2.996899	3.4408255	2.953458	3.087385	2.929229
P2RX4	7.661389	7.487838	7.705845	7.014949	6.838854	7.500494	6.3621	6.73155	9.316017	6.341849	7.795655	5.844773
TNFRSF1B	6.184276	5.984495	6.816167	6.383701	4.625838	4.92416	4.34078	4.379246	4.994673	4.341771	4.6809	4.407756
CD72	3.823435	4.358417	4.170832	4.324209	4.161548	3.932277	3.506552	4.097688	4.52215	4.014769	4.170774	3.746295
ID2	10.6034255	10.1564385	10.654228	10.3871375	10.653386	6.6458245	5.9482925	10.6565505	7.7412575	4.9271145	6.867717	4.5522775
SPRYD3	8.128054	8.596141	7.907666	8.461805	7.235463	7.222755	6.674913	7.079483	6.783772	7.235215	7.524298	6.995197
CDC42BPG	4.166925	4.3046385	3.9595685	4.197133	4.1488985	4.0779355	3.9413895	4.3611995	4.0907035	3.6505325	4.2035125	3.9296715
HRK	4.378912	4.398167	4.264103	4.361017	4.396719	4.41698	4.567648	4.431919	5.440163	4.477703	4.591732	3.966326
OPRM1	3.173796	2.823651	2.751243	2.880852	2.99392	2.982553	3.222541	2.860615	2.99685	2.883513	2.969193	2.937314
ACTG1	13.52086	13.61846	13.59346	13.61505	13.50558	13.53671	13.33069	13.54916	13.43057	13.47044	13.52992	13.4285
RHOD	7.2661515	7.673348	7.894959	7.7221195	7.6080715	8.8575765	7.756186	7.710656	7.1284945	7.2339995	7.370128	6.714972
CIB1	10.25945	10.149	9.881044	9.996814	9.359355	9.919868	9.274477	9.364681	8.660725	8.242743	9.674486	7.464103
MAML3	4.772806	5.40994	5.228227	4.908247	4.792076	5.26204	4.548337	4.500613	4.596188	4.356153	4.840851	4.190803
RPS4X	13.216345	13.444125	13.5426	13.330125	13.284805	13.658805	13.360095	13.300465	13.0952	13.426555	13.378065	13.41375
ZNF155	5.099735	5.40344	4.97479	5.11923	5.203502	5.292462	4.837992	5.262351	5.263834	5.083913	4.834664	4.991894
DNAJC4	5.384576	5.418982	5.212452	5.28777	5.826121	5.540182	5.735689	5.499979	5.548182	5.380833	5.391557	5.469
UBE2B	8.672597	8.153195	8.563757	8.621882	8.086069	8.32399	7.681147	8.263159	8.613129	7.567654	8.889856	7.564904
PPP1CC	11.23603	11.01993	10.96844	11.30066	11.28428	11.07761	11.23605	11.23737	10.70774	10.66558	11.28703	10.89181
EIF5A2	6.66315	6.488537	6.98489	6.901754	6.415088	6.301232	6.377083	6.48825	7.645988	5.280698	5.533865	4.682282

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
TTC14	7.15824	6.494353	7.017929	6.841881	7.787132	7.392217	7.705109	7.919352	7.473054	8.371541	6.673016	8.259649
EDN2	5.195418	5.225245	5.209871	5.317446	5.266822	5.325561	5.255479	5.204843	5.154808	5.278139	5.588548	5.279772
SET	10.60892	10.47658	10.65479	10.98698	11.8793	11.70948	12.26867	11.71993	12.07692	11.71313	11.84695	11.67002
CABP4	5.989186	6.101745	5.935342	5.919652	5.992078	5.676709	5.898122	5.750434	5.757419	5.460567	5.964742	5.746414
PDK4	3.567735	3.08752	3.627723	2.993227	4.516949	3.545642	3.444355	4.401833	2.908912	2.941441	3.08157	3.420372
ABCD4	5.9715515	5.6514785	5.631189	5.6768265	6.1796285	5.865447	6.1007735	6.2472475	6.270779	6.171541	6.3330855	6.291535
FA2H	3.842733	3.8085315	3.6919565	3.847137	3.870447	5.122239	6.990849	3.9051505	3.831516	4.0408395	3.690925	5.220908
SCYL2	8.405408	7.81196	8.402666	9.029727	8.727336	8.415592	8.921905	8.730881	8.856337	8.967343	7.243172	8.803753
MED6	8.681648	8.817256	8.548182	8.257601	9.060511	9.360563	9.175909	9.135777	8.916152	7.315692	9.061736	7.459844
CXCL13	2.526117	2.627045	3.256402	2.614705	2.565652	2.427683	2.494247	2.688803	2.510623	2.879821	2.426848	2.756258
RRM2	10.806675	10.51531	10.484405	10.7268	10.303345	5.1939075	11.314765	9.881556	6.233661	9.5274625	8.809824	9.1756475
DEDD	6.798317	7.126623	7.086458	6.998459	6.932954	6.761533	6.949525	6.824118	7.250256	6.138063	6.969883	6.174177
TNNT1	6.417535	7.248422	6.079504	5.797529	5.557302	9.681314	8.46224	5.366722	6.664701	5.765604	6.513349	4.889982
GAS6	10.40714	10.1161995	11.366175	10.343389	6.2366655	7.1331875	6.0292155	6.2526515	9.126443	7.6425975	7.104583	6.8622945
SSU72	8.484578	8.674297	9.198262	9.448473	9.282314	9.742038	9.366721	9.438272	9.332892	8.353882	9.719448	8.305717
MAPK14	7.343112	7.530538	7.508261	6.703991	7.614847	7.94598	7.579574	7.578955	7.30079	6.170784	7.255027	5.940496
SPINT2	5.052855	5.280962	5.686823	5.666619	4.759999	5.714635	4.367013	5.0193	7.327803	4.380023	5.179863	4.505099
MTX1	9.197216	9.071684	8.961592	9.46594	9.363214	8.888235	9.623416	9.338179	9.209045	8.935499	9.620984	9.096451
IER3	12.35156	11.56591	11.10286	11.19243	9.303473	10.11483	9.839053	9.219877	12.1265	10.49269	10.58434	10.29272
TM4SF20	3.190618	2.98249	4.293796	2.920179	2.929921	2.886543	2.85342	3.05903	2.66336	2.958889	2.863655	3.070127
SLC5A2	6.009719	6.247987	6.047647	6.138448	5.999329	5.880053	6.330626	6.061558	5.888336	5.910517	6.09321	5.655808
GAS1	7.9802285	8.535795	7.8569555	7.8055005	5.2231855	5.2321755	5.796017	5.072141	8.078991	5.965193	6.7701325	6.3888735
GTF2H5	4.033667	3.67362	4.004204	3.813375	3.8275795	4.235736	3.9631435	3.8870955	4.298925	4.038529	3.588824	4.1070495
PDHX	9.092242	8.557924	8.869593	9.501811	10.22549	10.35955	10.73841	10.24575	9.555069	9.779873	9.28171	10.31572
ZFP28	5.8050085	5.534998	6.231937	5.2800315	4.0645685	3.970326	3.935208	3.912292	5.2659415	5.1166115	3.849052	3.582034
ABCB7	7.281115	7.242306	7.104315	7.214458	8.256615	8.095551	8.692616	8.41257	7.274401	8.156083	7.851692	8.32268
DDX54	6.34133	6.484676	6.210056	6.192092	6.474195	7.271581	6.669698	6.405513	6.227109	5.734437	6.683375	5.961172
BEX1	7.629891	6.429649	8.05595	10.62419	8.765423	6.932196	7.513187	9.541215	11.17815	5.474769	5.554308	5.671875
DSC1	2.606085	2.680542	2.378358	2.606364	2.580326	2.518992	2.396424	2.533078	2.822174	2.534158	2.977473	2.644179
ANXA7	9.954715	9.727507	9.90045	10.31264	10.52947	10.91695	10.49682	10.73928	10.45095	10.07006	10.77588	10.25321

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
INSL3	4.02561	4.364576	4.076797	4.302214	4.151392	4.007169	4.081365	4.270483	4.102123	4.10967	4.114248	3.635756
FBXO2	3.9724735	4.381133	4.451228	4.1826355	4.261625	4.1800245	4.2253745	4.0984475	4.5538755	4.136548	4.319316	3.754723
CCDC70	4.192704	4.936133	4.491187	4.425122	4.191773	4.226419	4.110756	4.116963	4.255145	4.078771	4.250035	3.693096
RAB3B	10.64103	11.20124	10.11805	8.710806	4.204889	4.47117	4.771426	4.357042	7.564612	3.984086	3.98445	4.833438
ATF5	5.657942	6.0670715	6.1609745	5.713163	5.224663	5.84095	5.038949	5.171635	5.331815	5.2706075	5.6521175	5.1007885
NDUFB3	9.978148	9.68445	9.218765	10.10488	10.42627	10.30135	10.46667	10.52157	9.975225	10.02375	10.11555	10.25218
ENDOG	7.331667	6.94251	7.283086	7.243173	8.085061	8.61851	8.424446	7.926295	6.667171	7.393326	7.447771	7.070036
DENND1C	4.760528	5.128908	4.805715	4.549942	4.16598	4.176567	4.140439	4.441102	4.341929	4.152958	4.471099	4.398798
SLC12A7	7.662235	7.532578	8.434422	7.185452	7.223869	7.138324	7.046698	7.563188	8.692144	7.950456	8.697752	7.585331
NPM2	5.92101	6.465871	5.97854	6.210718	5.902097	5.934583	5.928762	5.970491	5.734671	5.686001	5.861638	5.912824
UFC1	10.32305	10.13841	10.26075	10.37991	10.55111	10.24313	10.06065	10.50414	10.05329	9.881758	10.45968	9.569536
GBGT1	5.430407	5.407434	6.047973	5.227103	5.337365	4.79857	4.691141	5.618397	4.985851	4.764668	5.009405	5.272233
PTPRN	6.771643	8.199951	6.705054	6.324927	4.705565	4.621718	4.84633	4.749109	4.581206	4.592492	4.859178	4.536899
ARL6IP6	6.568142	6.423855	6.196005	6.557141	6.510519	5.102905	7.99164	6.14033	7.038329	7.241876	5.983591	7.276123
KLRB1	3.658986	3.934637	4.518263	3.913439	4.14641	4.131859	4.360103	4.36007	4.163915	4.272636	4.284055	4.256452
PLS1	3.109569	3.031402	3.020015	3.440505	10.34634	10.50854	10.69959	10.41518	7.124342	10.4315	10.04917	10.23741
ZNRF1	7.422952	7.384422	7.364427	7.855644	6.945299	7.176344	7.120252	6.830055	7.851227	6.75544	7.258867	6.321396
IGSF8	6.148987	6.699811	6.224301	6.146353	6.269903	7.199451	7.520397	6.222427	5.742337	7.150126	6.024266	6.566644
APLP2	11.1661	11.243265	11.036625	10.95268	12.248565	11.5055	11.658475	12.34865	9.2970955	11.261245	11.180945	10.661875
PLXNA2	6.073479	5.304984	5.328725	6.240559	6.514682	7.200797	6.875929	6.514162	5.925981	9.048033	7.24264	7.567208
CCDC51	7.547455	7.101536	7.041656	7.489846	8.878369	9.97084	9.238138	9.056918	8.425611	8.271851	9.31873	8.694256
RSRC2	9.633639	8.8924515	8.7872465	9.267341	9.5690505	9.1378345	9.74184	9.549158	9.4799695	9.695733	8.6268765	9.5928255
HMGCR	7.7364815	7.7359235	8.1089005	8.447348	9.456794	9.377963	9.8531765	9.331765	8.804548	9.1294155	9.0496005	8.7275495
TYK2	8.264887	8.349501	8.066088	8.185186	8.190455	7.721076	8.100574	8.164906	7.849568	8.370562	8.380821	8.184215
PHF19	7.535238	7.429357	7.353379	7.994694	7.650452	5.684252	7.892058	7.389551	6.078899	6.143654	6.319204	5.729896
SNAI1	6.30332	6.665675	6.656235	5.825635	5.775694	4.631333	4.67816	5.317556	4.594203	4.929988	4.584599	4.461089
MAST2	6.169351	7.058358	6.793579	6.1758085	6.2888255	6.4933515	6.3131125	6.2490125	6.210434	6.517954	6.3695195	6.432061
COL16A1	9.589118	9.613691	9.357368	8.754622	9.185907	6.080369	4.634964	8.980267	10.19265	7.530395	7.925047	8.443288
PDPK1	5.716082	5.7492655	5.434286	5.7304285	6.258131	6.2909925	6.1796895	6.4589285	6.362043	6.295548	6.8962285	6.579288
IL3RA	5.418418	5.788547	5.527466	5.573809	5.549365	5.513443	5.173584	5.552116	5.618601	5.270232	5.562023	5.173683

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
SLC7A2	4.213929	4.566338	4.092422	4.400002	4.351642	4.366601	4.1443	4.516201	4.646637	3.811841	4.759128	3.77624
DCTN3	10.69096	10.5678	10.21512	10.50846	10.01149	9.197721	9.573174	9.817583	9.414036	9.681938	9.681115	9.306498
ZNF133	7.38975	6.824796	7.018933	7.1488925	6.6880815	6.839149	6.3938605	6.6751125	7.5243865	7.3388195	7.3290765	7.343205
NMNAT1	6.312911	5.82727	6.11076	6.476767	6.522799	6.494668	5.897527	6.679438	5.456895	6.018661	7.07414	6.45085
ICMT	8.488807	8.098321	8.213715	8.546699	8.513765	8.303069	8.594124	8.302023	7.499584	7.843389	8.024694	8.027405
GATA2	5.792689	5.962363	6.1393	6.101489	6.173223	6.04416	5.985729	6.038718	5.574474	5.587658	5.854815	5.440665
CEBPZ	8.706349	8.438986	8.585535	8.888278	9.571664	10.10955	10.10013	9.45078	9.444374	9.382254	8.860781	9.797419
CYP2U1	4.6279205	4.451479	5.109681	5.107033	5.206011	5.8626445	6.2991875	5.212419	5.571519	5.6196235	5.381662	5.384966
DAXX	8.4776805	8.3962695	8.001118	8.2424865	7.406802	7.5470075	7.925211	7.40738	7.716589	7.1306235	7.874822	7.028971
HTR1A	5.286592	5.90183	5.479398	5.499964	5.379895	5.207148	5.30143	5.274688	4.831348	4.818251	4.914967	4.969043
PARL	7.1511595	6.846699	6.6912755	7.3832985	7.1983485	7.8344845	7.370547	7.625993	7.6316425	7.0092505	7.938661	7.1571595
ATP1A3	3.793013	4.072975	3.334067	3.348464	3.586244	3.653317	3.898887	3.762061	3.080034	3.165965	3.392847	3.21379
AKAP10	6.0139935	6.001547	5.673825	5.4986295	6.4340475	6.462411	6.5924745	6.353046	6.1735605	7.2378425	6.220573	7.4322925
GPR6	4.246703	4.627088	4.3614645	4.320054	4.700741	4.5017275	4.378726	4.813584	4.5248345	4.332318	4.4663405	4.1847245
ABCB1	3.0578295	3.1204805	3.059173	3.35963	3.005159	3.126432	3.060377	3.157329	3.3760795	3.166446	3.2772355	3.0718195
GALNT1	8.7627455	8.966566	9.367419	8.89473	10.714125	11.338135	10.064601	10.7593	10.0889175	9.644066	9.521383	9.830449
NDUFS6	10.51543	9.850872	10.09068	10.88654	11.28545	11.3534	11.41645	11.32729	10.83764	11.15107	11.25282	11.22101
SLC25A10	5.64218	5.607617	5.75547	6.036568	6.475124	6.202937	6.684271	6.411892	5.438346	6.144489	5.659357	6.378447
ZBTB5	7.487134	7.334228	7.590381	7.136837	7.974552	7.162748	7.90631	7.736964	8.087183	7.81875	7.845886	7.667572
CAMKK1	6.3730135	6.6692425	6.522352	6.438166	6.263395	5.941975	5.833431	6.1630755	6.0383425	6.0449365	6.1263565	5.8842915
SRC	5.095219	5.611533	5.245418	5.373321	5.071524	5.227017	4.753383	5.165733	4.4856	4.192987	4.645935	4.376681
KCNIP2	3.68723	3.9867695	3.5926395	3.6420145	3.882853	3.836498	3.8107185	3.749336	3.8925385	3.7038665	3.9595935	3.551677
WNT11	5.101451	5.267846	5.236906	5.184932	5.150215	6.428863	7.497771	5.120718	5.174839	7.207279	6.519633	8.075924
DENND4A	7.1304795	6.618423	7.448197	6.8630345	6.335056	6.587577	6.6953075	6.271647	6.673973	6.3617505	6.322963	6.133356
GAMT	7.019855	7.274826	6.855435	7.534739	7.726716	6.847959	7.477215	7.820642	7.248202	7.729712	7.160921	7.531875
SLC4A8	4.4586385	4.30963	4.6418005	5.016102	4.469396	5.0184935	4.635155	4.6013895	4.440171	3.860811	4.587747	4.1299105
POU4F2	2.807729	2.506736	2.785398	2.904649	3.004005	3.0245	2.903722	2.862546	2.959465	2.859426	3.014022	2.901064
LMX1B	4.727637	4.76201	4.536073	4.556209	4.52626	4.495683	4.524851	4.378198	4.642259	4.34382	4.813219	4.174663
HIGD2A	8.5152615	8.7297455	8.2216005	8.539896	9.325676	8.644647	9.0964045	9.2327015	8.495734	8.916807	9.0458625	8.8438625
KRAS	5.8303735	5.4085645	4.964681	5.67365	5.6329405	5.7672555	5.641107	5.9000625	6.2176485	5.4071185	5.599504	5.4706455

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
BAZ2A	6.6136045	6.287044	6.3712175	6.425552	6.138724	6.1387595	6.2524565	6.342296	5.536192	6.2598065	6.082472	6.2728585
NT5M	5.43098	5.708463	5.617269	5.337365	5.410867	5.144958	5.322815	5.306209	5.342422	5.428086	5.699223	5.759339
UNC5D	3.383925	3.216038	3.26749	3.612395	3.446844	3.251893	3.038498	3.436553	3.087308	7.579012	3.652067	6.924614
ETS2	7.360799	7.608599	7.270999	7.071703	5.821221	6.793782	6.339451	5.743368	6.19013	6.399333	7.255027	6.300097
FARSB	4.187213	3.553382	4.383001	4.022594	3.76226	4.508972	4.450638	4.227571	4.374759	5.423709	5.430617	6.639069
IL26	2.373366	2.613032	2.695287	2.62303	2.474865	2.314949	2.347394	2.223426	2.687967	2.488316	2.268672	2.219905
SYCP2	2.782428	2.8044135	2.886586	2.828544	3.032628	2.9206355	3.4260155	3.0931205	3.622342	3.8213125	2.6087795	4.188042
MTDH	9.656969	9.031776	9.504748	9.502214	9.697544	10.72021	10.09395	9.553788	9.785855	9.922585	9.60417	10.06877
PDLIM7	8.082008	8.418905	7.388805	6.938661	5.740767	5.526592	5.394528	5.829647	5.976312	5.478368	5.798483	5.736375
NHLH1	5.557206	6.102525	5.847956	5.559115	5.40871	5.311238	5.477424	5.499964	5.390297	5.391109	5.192008	5.163716
SLC16A11	4.3901745	5.0336515	5.0617565	4.768379	4.498556	4.6162175	4.493216	4.4437115	4.634106	4.098812	4.726116	4.0670555
EGLN1	7.190115	7.967889	8.101749	7.149362	6.464986	7.174645	6.632992	6.40787	6.272461	5.420359	6.233608	4.912118
PDIK1L	5.75155	5.898571	5.946407	6.269534	5.874709	6.135179	6.652788	5.882641	7.206095	6.663288	6.790388	6.612504
CRK	8.911631	8.814548	9.938735	9.510313	9.638294	10.21356	9.780403	9.681725	9.384429	8.74414	9.971994	8.72536
DR1	7.4239175	7.293759	7.4591155	7.652643	7.631743	8.058202	8.6982405	7.6950165	7.2721915	7.667651	7.884306	8.2561715
ELK3	9.6409645	9.938503	9.276752	8.9944465	7.412616	7.5653275	7.5001035	7.3352875	7.8224185	7.7605465	8.198867	6.9995755
UTY	5.221407	4.978407	4.908952	5.296582	5.619846	5.125184	5.577295	5.377298	5.530722	5.625779	5.783678	4.181441
PSMC1	10.74164	10.33433	10.40801	10.80451	10.80198	10.54384	10.8647	10.85096	10.34956	10.22732	10.84995	10.07214
MID1	6.798887	5.793485	6.31288	7.078624	7.304009	7.575774	7.689569	7.587166	8.102404	8.514762	7.662242	8.453351
PARP10	5.72374	6.0359045	5.8065735	5.6304755	5.8098985	5.6952615	5.7157035	5.628825	5.6885275	5.4903005	5.9098125	5.7407345
ACD	8.470367	8.448448	8.443288	8.330534	7.605442	7.732353	8.024111	7.375762	8.072718	7.376209	8.036173	7.211708
FLOT2	7.065551	7.62053	7.415876	7.1129445	6.8582255	6.8136155	7.4953515	6.632143	7.11465	6.6107675	6.267051	6.0722475
TTLL10	5.015613	5.135822	4.781021	4.985106	5.184731	4.886879	5.016547	5.260667	5.15397	4.737329	5.213679	4.880863
ID3	10.97426	11.34346	11.13701	9.939075	11.78776	8.251969	9.640466	11.74501	7.590352	7.200624	6.954732	6.345943
RGS13	2.129148	2.094298	2.38258	2.141184	2.431751	2.448507	2.340734	2.374835	2.45275	2.324607	2.276519	2.399248
NCF1C	4.434264	5.094703	5.035866	4.857155	4.920612	4.825834	4.488587	4.401145	4.818707	4.39887	4.805774	4.186733
MMP2	5.35239	5.599798	5.709064	5.601966	5.253093	5.253093	5.371276	5.489039	5.273012	5.416795	5.550117	5.448108
CD151	10.34526	10.48487	10.43604	10.79792	9.850838	9.746352	8.692614	9.702608	8.996326	8.237792	8.687858	7.771692
TDP1	6.579437	6.190745	6.383199	6.528612	5.88842	6.465501	6.495061	6.169693	6.756574	5.952952	6.642173	5.962511
TFE3	6.298636	7.429267	6.401322	6.4882335	6.508088	7.6328625	6.48544	6.3972605	6.5806435	5.507345	5.9372925	5.308115

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
SLC25A28	7.5428545	7.83429	7.5845955	7.0620875	6.6706655	7.343809	7.295401	6.7455005	8.1597495	7.7458055	8.8001385	8.32232
SERPINB1	7.17609	6.317897	7.409914	7.4869155	7.7936565	8.6715575	8.420861	7.9327945	7.17985	5.4719445	7.0029515	6.067026
ITFG1	6.242461	6.620663	6.019132	7.169808	6.499565	7.78694	6.728241	6.773282	7.662371	6.765974	6.799819	6.80622
UBAP2	8.537781	7.9931805	7.9465345	8.134852	8.757469	9.2810165	9.1708395	8.696934	8.9533525	8.703565	9.0140365	9.0321655
SETDB2	3.9301295	3.368901	3.9628565	4.268086	4.0814325	4.236467	3.9422345	3.8077	4.730559	4.1556875	4.275449	4.469586
PCDHGA3	5.455818	6.8915075	5.26743	5.3819385	4.5420655	4.3429495	4.2701195	4.601727	4.4188455	4.328066	4.0351525	4.16165
UBN1	7.498745	7.1253145	7.429192	7.114424	8.210398	8.327491	8.35776	8.1439	7.828936	8.1395065	8.6435975	8.4269425
EPS8L2	4.652676	5.702219	4.696419	4.659771	6.242015	6.642174	5.917772	6.467603	6.440162	4.460433	5.186835	4.230249
ATP6V0C	10.1531805	10.1953065	9.591886	10.4659995	10.082627	10.77496	10.0511195	9.8984895	10.3903005	10.1103535	10.3315645	9.8233615
SNX10	4.225464	4.45735	4.36639	4.377004	4.35799	4.928833	5.314806	4.195087	3.633046	7.443331	5.286956	6.01405
ENO3	3.9398345	4.2147175	4.246992	4.3443895	4.746428	4.60936	4.563525	4.8049265	4.318582	4.5438445	4.968249	4.4666045
CASQ1	3.005177	3.032485	3.11335	3.264485	3.489631	3.715548	4.359904	3.406023	3.350286	4.074218	3.290662	4.230633
MCOLN1	7.349305	6.873513	6.987691	7.582454	7.890893	9.042566	8.3537	7.817288	8.406853	6.853077	7.360216	6.491513
SOX10	4.965724	5.2511225	4.9149955	4.9882125	5.008224	4.823976	4.7969455	5.034815	4.6671645	4.65788	4.939821	4.6058315
TOR3A	6.7461815	6.6437895	7.0774415	7.458709	7.723244	7.457081	7.998954	7.4906535	7.9284575	6.727851	7.779983	6.4882885
FBXL2	6.219316	6.326668	6.502419	5.896299	7.115169	6.866213	7.633121	7.276123	7.92702	7.612347	7.468026	7.575632
CAMK2N2	5.651498	5.7322315	5.452882	5.5580325	5.4180135	5.404296	5.437782	5.499316	5.8347005	5.268244	5.7778075	5.431647
HSDL1	6.193969	5.967569	6.740786	7.041468	7.623179	7.349986	6.975746	7.564413	7.587854	7.491897	7.476103	7.334174
VKORC1	11.59479	11.83358	11.21348	11.50005	10.88887	10.44689	10.05953	10.87773	10.79911	10.15481	11.19306	9.81673
PPFIA2	4.020703	4.475726	4.20084	4.04259	4.68839	5.452678	7.945681	4.696131	4.441133	9.207188	5.445775	9.672218
SLC25A43	9.511838	9.405457	8.898349	9.331322	8.150092	7.77316	8.023687	8.12748	7.948598	6.165482	7.67028	3.55569
GABARAPL2	11.07785	10.58253	10.61295	10.66821	11.25647	11.19987	10.91407	11.28563	10.61698	10.01817	11.11905	9.961451
LCN12	4.544209	5.066472	5.204519	4.925065	4.99509	5.088933	4.958854	4.882776	5.041096	5.296871	5.005311	5.174839
INSIG2	8.754586	8.950444	9.175694	8.737373	6.511287	7.168712	7.247926	6.467603	8.975885	7.488269	6.889199	7.080859
ARID2	6.693474	6.073246	6.236254	6.575983	7.087084	7.15377	7.247926	7.208776	6.436304	7.305277	6.286239	7.420591
TAF1B	6.517398	6.1760795	6.453475	6.406809	6.4551875	6.656231	6.6217215	6.4685585	5.996228	5.6486235	5.9022695	6.0884165
LIG4	5.839304	5.5919185	6.1279715	6.1108085	7.00788	7.384518	7.1768	7.05672	7.2733995	6.8957465	5.676509	7.0366785
PLEKHM1	6.113888	6.270792	6.222589	6.2095515	6.142251	6.5234165	5.8158035	6.136322	6.4997605	6.298651	6.6302575	5.8501855
USP34	6.671069	6.258747	6.471122	5.786665	5.544758	4.95978	5.29802	5.352077	5.992252	6.430848	4.985238	6.503042
CCT6B	5.188075	4.826885	4.862142	5.29908	5.870363	5.981327	5.924086	6.041093	6.583707	5.373268	6.027903	5.199255

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
TXN	9.5999805	9.2673555	8.94362	9.8123545	10.6053455	10.7587675	10.7133055	11.0963455	10.135782	10.5774535	11.31542	11.0683045
SNRPE	8.105213	7.452862	6.434394	8.211182	8.937763	8.370079	9.149665	9.489386	8.351219	9.009295	9.162165	9.382997
CCNB3	4.892173	4.899218	4.759729	4.646106	5.043682	5.029793	4.932879	5.295838	5.857411	4.636956	5.075103	4.653896
MDFIC	7.711318	8.47051	7.507133	7.906744	9.184414	8.351119	7.945957	9.170911	6.556406	5.626636	6.593393	5.276055
LMO7	4.005446	3.92866	4.0004375	4.3767245	4.2445015	6.1896795	6.1474315	4.1073045	4.292947	4.2990795	5.021593	6.044793
TMEM121	4.667142	5.2264305	4.7614375	4.692762	4.133375	4.2525245	4.3394905	4.2801325	5.483852	4.527719	4.47432	4.2504895
APOA4	5.660612	5.720891	5.402518	5.157373	5.051249	4.994909	4.86012	5.02018	4.930674	4.870872	5.129421	5.042441
KRTAP8-1	3.597716	4.293427	4.293427	3.880991	3.733369	3.672384	3.646813	3.98192	3.994249	3.574112	3.991123	3.642376
SLC5A6	7.150559	7.123793	6.864964	7.01998	8.325872	8.538195	9.175051	8.292165	7.525146	8.265224	8.627188	8.27649
P2RX3	3.89958	3.968016	3.275641	3.737971	3.361969	3.491842	3.416687	3.503922	3.366762	3.088997	3.526979	3.164747
RFESD	5.2102445	5.103941	4.9506345	5.1195435	5.0406135	4.859559	5.341985	4.850652	6.1404505	5.1464545	5.2382725	4.909852
LYZL1	2.91453	3.07881	2.994112	2.953717	3.07044	2.873626	2.936803	2.936803	2.755203	2.644161	2.91699	2.951205
ZNF616	4.8767505	4.7455305	4.170626	5.025369	4.8852705	6.161358	4.8944695	4.9176365	5.618046	5.125059	4.305712	4.851131
TMEM91	5.81805	5.744151	6.084203	5.491398	4.489782	4.414524	4.377394	4.029719	4.418757	4.842755	4.96216	4.917996
PXDNL	2.7605	2.536922	2.924422	2.593506	2.882697	3.111451	2.673178	2.873767	2.918347	2.563982	2.701576	3.85131
TAGLN2	10.84233	11.34703	10.2917485	10.455549	10.556945	11.502725	11.56917	10.49853	10.667815	10.351168	10.622335	9.5151225
MAGEB4	2.887816	2.8735725	2.819607	2.826141	2.9548495	2.946427	2.612629	2.964467	3.077629	2.921683	2.94273	2.832427
ZMPSTE24	10.05346	9.365782	9.785337	10.21412	10.45904	11.18095	10.579	10.53054	10.42498	9.861619	10.04175	9.718859
HPSE	5.0371055	4.3114105	4.340555	4.2177425	5.9231325	6.4144485	8.098711	5.904763	4.0990195	5.5418615	5.206351	5.2513125
NEIL2	6.74779	7.137949	6.757171	7.17831	7.567352	8.613897	7.502604	7.526389	7.078978	7.180117	8.616116	6.961012
FABP5	9.817879	9.686404	9.221923	9.94203	11.15802	12.48521	12.02357	11.0863	10.87579	10.53996	11.64688	10.73483
EFEMP1	9.626925	10.20306	11.05995	10.77083	4.205609	6.591758	6.448185	4.452303	8.278561	7.157446	5.180569	9.202954
CCL8	2.736373	2.595382	3.254748	3.075837	2.828735	4.035206	2.662676	2.850155	2.792449	5.826275	5.619871	6.022328
ATG5	8.1924	8.108474	8.358231	8.106545	8.891025	8.693009	8.954669	8.941982	8.768479	7.082274	8.017818	7.581734
LSM1	10.28187	10.0813	10.05604	10.30826	10.56498	10.57783	10.52289	10.50816	9.993185	10.0177	10.55841	9.875106
FAM89B	8.2745535	8.6914805	8.1858625	8.5768385	8.3829385	8.656076	8.1311435	8.225514	8.103909	8.2932905	8.408873	7.999323
MAPRE3	4.781698	5.523098	4.6899285	5.043028	4.58733	4.8148065	4.501945	4.6269	4.6858875	4.44757	4.760123	4.3378045
TMEM39B	7.766793	7.96929	8.443028	7.759884	7.057209	6.148048	7.417925	6.665546	6.298821	7.455371	5.944415	7.654037
DHRS7B	7.886906	7.319181	8.04291	7.695368	7.892596	8.212093	7.076089	7.893158	8.357945	7.320425	8.68679	8.284156
FILIP1L	9.818388	10.17161	9.700434	8.71177	5.808204	5.962955	5.286004	5.709585	6.748191	5.761231	4.527004	5.831088

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
NOL7	10.1932	9.892129	9.795479	10.02687	10.21203	10.29563	10.60322	10.26071	10.10676	9.615442	10.37089	10.17147
PCMTD1	7.049638	6.850333	6.785571	6.053983	7.855641	7.330445	7.116194	7.899627	6.542564	6.316177	6.658792	6.901881
SLC7A6	6.102307	5.960093	7.021922	6.142618	7.545339	9.188016	7.567359	7.655231	6.569561	6.602893	7.562084	6.635508
CLEC2B	7.5964905	7.160652	7.674831	7.0412905	9.2439265	5.9480665	6.285942	9.1637105	6.421029	6.5695945	7.0681375	7.1296795
MRAS	8.042848	7.80289	7.620879	7.9801375	8.004294	8.3506435	7.8723675	7.975678	6.834361	7.682801	8.468135	7.8817935
GNL3L	5.113827	4.737674	4.616854	4.459578	5.640154	6.2357	5.9295625	5.749922	5.185335	5.5323585	6.137684	6.3615885
UCHL3	9.939726	9.146088	9.501011	10.37215	10.35476	11.1006	10.44173	10.38488	9.275727	9.441395	9.94223	9.52632
SLC25A11	7.7471445	7.8506755	7.409831	7.861043	8.665481	8.160257	9.3192305	8.734093	8.5171005	8.891135	8.647987	8.7402555
RAD18	6.411388	6.555414	6.455412	6.819658	5.487062	6.4057715	5.9653705	5.5722385	6.2548895	5.678663	5.9783765	5.724401
MAB21L1	7.60574	7.398881	6.595987	8.654337	3.260564	3.348927	3.53203	3.099178	3.958472	3.265178	3.607103	3.22532
SEZ6	5.1024375	4.8390495	4.644836	4.4493815	4.5269385	4.4664705	4.4800335	4.475452	4.463733	4.40239	4.43766	4.370528
RND3	12.13859	11.60525	11.5577	11.85003	11.27047	10.72233	11.04059	11.49876	12.95272	11.46287	11.40124	10.35306
ABCA3	5.228654	5.187193	5.220876	4.995383	4.876369	7.476407	4.515728	5.093865	5.762204	5.226768	5.462807	5.579399
CHMP6	6.780673	6.808083	7.131793	7.265276	6.992173	6.527992	7.229288	7.033772	7.238114	7.053738	6.832623	6.979655
MGC70870	6.440781	6.297003	6.095154	6.798812	6.987055	7.257625	7.059562	7.022641	7.500886	6.560394	7.016153	6.657463
RANBP17	4.503973	4.2931195	4.6046385	4.339325	4.680807	4.115826	4.605985	4.7512765	4.9665875	5.312913	4.3564325	4.5360855
CLCN1	5.159647	5.006063	5.382476	5.163332	4.860094	4.766884	5.216002	5.341998	4.789382	4.291292	4.875187	4.943238
ZNF160	5.254501	3.86035	4.715538	3.785017	3.926758	4.070708	3.781822	3.812711	3.793207	6.249948	3.863892	3.868245
CTAGE1	3.712161	2.955087	3.372054	3.814781	3.610043	3.522499	3.595665	3.756862	3.858239	3.692111	3.634855	3.300667
FAM91A1	7.1568775	7.0652885	7.2270855	7.300746	7.44329	7.7242165	7.5896715	7.44216	7.816168	7.2222825	7.3575085	6.9599405
BCKDHA	7.756555	8.349412	8.305759	7.845709	7.988592	8.121905	7.799332	7.897126	7.819246	7.735532	7.513105	7.960508
ZNF615	7.345201	7.060122	7.173041	7.12289	6.799277	7.1295	6.798568	6.897882	6.926217	7.50148	6.656604	7.190894
PRPH	6.568126	6.759331	6.441558	6.669721	6.422923	6.42733	6.410256	6.44011	6.926145	6.463488	6.727918	6.498195
B4GALNT4	4.147931	4.9027445	4.3304365	4.220326	4.0884545	4.040508	4.0510245	3.976258	4.0496395	4.354056	4.074331	3.988612
ITGA4	8.0779875	8.1160025	9.2471165	7.944001	4.205837	8.8618365	6.777412	4.1765195	5.0090755	7.0260645	7.2988015	8.06783
NID2	9.92211	9.566483	9.321651	9.980688	5.07714	4.937866	3.606503	4.904304	10.27113	5.356173	4.200269	6.544066
HIST1H2BM	3.325968	3.770789	3.499867	3.637692	4.217418	4.173947	4.004257	3.871201	3.680006	3.389568	4.68497	3.599573
AP1B1	7.060916	7.04057	6.836048	7.176027	7.075058	7.533329	7.32347	7.055995	6.877172	7.117297	6.900402	6.75429
SMURF1	6.11058	6.154018	6.024173	6.03312	5.663167	5.70435	5.827563	5.864183	5.237883	5.553006	5.506535	5.584942
ACADVL	11.05125	10.61073	10.72331	10.92529	10.14722	10.19694	9.580572	10.29292	8.617895	10.4093	9.138446	10.36347

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
KLF7	7.648096	8.096182	7.191052	7.029036	5.587746	4.809937	5.119246	5.409555	7.675697	4.941515	4.537817	4.793452
DYDC1	2.697927	2.838948	2.594972	2.577723	2.691519	2.533032	2.377317	2.426813	2.753803	2.498041	2.756087	2.581192
RXRB	6.659293	7.335616	6.227928	5.872417	6.487303	6.517571	5.760767	6.407021	6.731573	5.31767	6.060692	5.383589
WDTC1	6.652966	6.836911	6.457227	6.448244	6.32942	6.1448	6.022364	6.378055	6.47824	6.34017	6.52416	5.801019
DBF4B	4.830453	4.9629865	4.6103775	4.7238985	4.9687945	4.623717	4.814798	4.839926	4.451914	4.8167255	4.476849	4.7520535
SLC8A1	5.254667	5.508145	6.177589	5.416438	3.498367	3.049042	2.986071	3.507183	3.429805	3.841992	3.233232	3.507183
RBM5	7.2524195	6.8618685	6.5277115	6.0542175	7.450947	5.9720855	7.095966	7.366881	6.3437695	7.9487605	6.4328075	7.673593
MRPL47	7.6284445	7.4132245	7.243005	7.9315525	8.333601	8.441083	8.538262	8.5029515	7.9330605	7.836707	8.9224555	7.9885185
SLC12A5	3.341602	3.378752	3.617985	3.544937	3.013468	2.946	2.986269	3.080923	3.898888	3.056558	2.905551	3.028918
LILRA3	4.152184	4.357447	4.304184	4.453791	4.139618	4.239721	4.042824	4.191074	4.191808	3.66907	4.336336	3.789666
IL3	3.493492	3.160803	2.85087	2.964154	3.098558	2.991504	2.987594	3.162141	2.897038	2.859426	3.636189	2.758423
FATE1	5.237395	5.185886	5.393897	4.874807	4.901098	5.244241	4.701854	4.884978	4.85387	4.549316	4.913512	4.889257
IDH1	9.366106	9.603679	9.668505	9.815636	12.33254	10.43074	12.19476	12.22488	10.83521	12.18866	11.85818	11.99921
LOC440570	3.925283	4.287707	4.462914	4.279593	4.433386	4.141221	4.416672	4.361051	4.320065	4.106001	4.5313	4.384582
HOXC9	4.888287	5.165742	5.060968	5.857285	7.116078	5.644337	6.130032	6.984701	4.022408	6.944147	6.502516	6.146419
VLDLR	8.861086	9.153014	9.28514	8.653152	7.907528	6.971991	7.667491	7.938599	8.485186	8.978836	8.280804	8.825076
EML5	3.092036	3.15316	2.927413	3.13956	3.180799	3.458883	3.034485	3.253932	3.531497	3.427448	3.147986	3.232095
FCN3	4.490845	5.232067	4.371249	5.378388	7.5534	5.012155	6.926316	7.213016	4.82864	8.151884	5.372209	6.792693
HPD	4.443326	4.511202	4.502237	4.240137	4.319354	4.377918	4.573825	4.655674	4.291667	3.907748	4.63218	3.957903
ACP5	4.833362	5.197102	4.8594	5.638212	5.523177	4.820937	4.836214	5.231328	5.352075	4.729364	4.410885	4.808548
GTSE1	6.748191	6.831679	5.836313	6.580827	6.911467	4.229541	7.694492	6.507889	4.231259	6.003226	5.305417	5.984375
RAP1B	11.8075	11.48757	11.80347	12.06695	12.0716	12.08957	11.79741	12.19301	12.20927	11.59345	12.55918	11.43205
CDKAL1	4.5928975	5.100025	4.5124835	5.5528545	5.628501	5.455417	5.215633	5.546013	6.4587355	4.7510785	5.713808	4.891725
HTR1B	3.982818	4.397675	4.498543	4.468994	4.142709	4.509232	4.330841	4.314775	4.392073	3.911821	4.428567	4.273455
STAMBPL1	5.482463	5.001262	5.509828	6.119256	4.588666	4.928663	4.003467	4.497	5.1707645	4.2356345	5.005446	4.4105515
LSS	6.226366	6.379509	5.37139	5.657679	5.787217	6.667198	6.998809	5.579752	5.612297	5.112768	5.582506	4.898233
SREBF2	6.404809	6.884999	6.607907	6.570036	6.819516	6.735795	7.222688	6.572605	6.452581	6.59867	6.563577	6.615933
KCNIP1	4.065624	4.445184	3.861654	4.065572	4.365984	4.140429	4.986381	4.329105	6.202937	4.682711	4.134346	4.275561
VAV1	4.331657	4.589103	4.578414	4.523482	4.641776	4.45886	4.559159	4.537396	4.528052	4.212108	4.529182	4.231144
FOXH1	4.3230015	4.5105855	4.491894	4.479724	4.5104855	4.3246785	4.392324	4.524695	4.094651	4.1140545	4.407752	4.3230145

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
ZNF134	6.283926	6.4654425	6.158963	6.304938	6.8503355	7.350676	6.936479	6.8011795	6.7772395	7.096726	6.9519075	6.7496985
CYP27B1	3.706363	3.413543	4.214237	4.101402	4.064552	4.417107	3.953289	3.851761	4.477975	3.923938	4.222282	3.578268
PDCD5	7.2652475	6.9639635	6.9054065	6.267365	7.229123	6.2306595	7.270273	7.1426055	7.0354505	7.6428835	7.0092055	7.65872
CEPT1	4.28544	4.010718	4.633142	4.040626	4.522302	4.122247	3.884771	4.592452	3.83143	5.411545	4.391328	5.607009
CD3D	4.797818	4.866381	5.058552	4.871345	4.819941	4.808879	4.730077	4.904596	4.692568	4.334787	4.837083	4.533917
NFE2L3	3.455569	3.523718	3.4839645	3.6059375	4.717412	4.867574	6.07103	4.444814	8.2393525	8.034172	8.6175075	8.2314235
PHF5A	8.772753	8.59835	8.49169	8.741165	9.167685	8.193	9.719383	9.1686	8.717104	8.6807	9.583709	8.593083
IFITM2	12.1158	12.30618	12.45419	11.58715	11.27144	9.400632	10.95608	11.25484	12.22587	10.86579	12.13543	11.49782
POLR2A	4.843461	4.77976	4.892838	4.530082	4.904661	4.795831	4.67955	4.660621	4.884851	4.615212	4.877612	4.549282
GPX2	4.482584	4.5934355	4.9418605	4.4308215	4.4586035	4.121444	4.4595865	4.359705	4.425074	4.317981	4.3581295	4.393252
CNGA4	3.565731	4.04437	3.72171	4.232029	4.021677	3.973032	3.570348	3.840037	3.573652	3.401892	3.364651	3.570348
GIPC1	8.58872	8.794019	8.220869	8.797913	8.779807	9.112852	8.621631	8.603811	8.739973	8.102635	8.418569	8.420661
COL24A1	3.065718	2.948675	2.655265	2.729226	6.726322	4.049742	3.255162	6.197777	3.245814	3.759292	3.074207	3.735955
NME1	11.21957	10.61603	10.71495	11.70253	12.14078	12.53072	12.34456	12.20003	11.51	11.76941	12.23647	11.62263
ITK	2.99981	3.193249	3.022418	3.381432	3.341264	3.229857	3.14757	3.31655	3.112596	3.015004	3.266492	3.22743
XKR4	2.966578	2.914164	2.971823	2.64117	2.964491	2.811571	2.823651	2.959896	2.869383	3.128571	3.259197	3.022806
FBXO22	7.22357	6.902643	6.892304	7.317248	8.168958	8.451553	8.030429	8.320532	7.39085	7.286514	8.55371	7.246343
MTCP1	3.833424	3.603211	3.358776	3.693423	4.713264	3.775204	4.921836	4.377366	3.672408	3.983181	3.945808	3.971008
EGLN2	4.094633	4.888495	4.099391	3.969041	4.099391	4.008618	4.300751	4.059536	3.874914	3.339029	4.404196	4.019526
NEB	3.9702785	3.9937245	3.912203	4.1491475	4.4562365	4.1429745	4.292674	4.6396245	4.037372	5.04224	4.484323	4.681287
OR3A1	3.607974	3.62547	3.637679	3.903726	3.791821	3.704743	3.785464	3.707496	3.583121	3.56756	3.52321	3.676057
H3F3A	8.293087	7.396603	5.842254	5.942704	5.374816	5.572038	5.970099	6.502759	5.481504	6.564621	6.299538	6.995563
HHAT	3.121092	4.589301	3.88517	4.114353	7.369258	7.112675	7.574206	7.565027	6.300809	8.046607	7.677398	8.233619
ATRN	7.708304	7.342092	7.920149	7.774935	7.3178115	8.1909775	7.162093	7.2091345	7.4632445	7.672614	7.718928	7.523397
TLR10	3.708377	3.716293	3.952307	3.670012	3.816664	3.777079	3.817066	3.8600865	3.8395085	3.715446	4.0079875	3.80048
ALDOC	8.618385	9.260862	8.897796	8.599458	7.842085	7.139352	7.917257	7.611885	5.983088	8.931672	6.086292	7.303731
CDH8	2.970481	3.0318005	3.2521335	2.8177105	2.886913	2.870106	4.3060205	2.865362	2.896405	4.685905	3.513847	2.9221155
OTP	3.306903	3.348186	3.5518875	3.63228	3.771853	3.7650835	3.5871975	3.626324	3.6105895	3.645537	3.774907	3.568134
PTEN	6.961784	6.63097	7.045938	6.865216	6.900779	6.797297	6.706567	6.796292	7.247135	7.063392	6.684446	7.271859
SLC22A12	4.674498	5.26073	5.001256	5.210773	5.43195	5.265983	5.146551	5.550366	5.14502	5.041501	5.428421	5.2747

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
DEFB129	2.678165	2.658027	2.464749	2.632087	2.536143	2.508955	2.565213	2.577019	2.560922	2.78856	2.554303	2.643882
UBE2A	9.8896685	10.0733385	9.8512305	10.0256505	10.47212	10.083825	9.807254	10.40967	10.459955	9.088983	10.125515	8.8336105
SLC15A1	3.8079115	3.6430715	3.802935	3.706673	3.770335	3.60486	3.7299245	3.85795	3.7373735	3.752962	3.7490115	3.7185465
ZNF660	3.929285	4.16712	3.761368	3.637906	3.945639	3.762377	3.868091	4.138783	3.928384	3.6687	3.514103	4.398252
BCKDHB	6.700942	6.7437045	6.632149	7.278902	7.378765	7.6806435	7.885257	7.3891875	7.27704	6.800514	7.232435	6.8734675
ARHGAP26	4.0997385	4.3349915	5.8235745	3.957751	5.048029	5.427691	5.954328	4.910087	5.349568	5.6091345	5.0457425	5.027701
TRIM58	2.9479985	3.095237	3.0188705	3.0043605	6.5287235	3.35926	4.555799	6.715692	3.665655	4.092883	3.1994145	3.2765405
CPN1	4.71781	4.805036	4.541421	4.771544	4.930753	4.774598	4.943953	4.798478	4.478437	4.815443	4.922318	4.892673
VIM	11.362398	10.780109	10.7387885	10.566772	10.179676	9.1413215	9.047471	10.3134285	10.859609	10.087412	10.002326	9.862595
MYLPF	6.171855	6.402265	6.109396	6.322251	6.299205	6.239293	6.280927	6.354643	6.088082	5.768186	6.245213	5.774524
ZNF485	4.426033	4.284204	4.291418	4.16929	4.777975	5.303882	4.633316	4.519465	4.573471	4.702493	5.235547	4.866513
LEMD1	2.987479	4.309553	3.363094	3.762319	3.363168	3.328879	3.346811	3.337737	3.168447	3.143553	3.440745	2.834748
RRAGA	11.28222	11.22482	11.56197	11.50632	10.91923	11.03245	11.19066	10.93873	10.79868	10.37662	10.14544	10.23289
MAGEE1	5.57141	5.588907	5.530488	5.3852885	4.3636875	4.1844825	4.6506745	4.474497	4.6046135	4.899477	4.403123	4.4447495
MYH8	2.9037705	3.309437	2.957772	3.0402415	2.862401	2.782994	2.8044345	2.8412525	2.7693405	2.8754845	2.7567935	3.0508655
FBXO34	5.589185	5.5943695	5.5997195	5.5401605	5.4660785	5.7081645	5.42787	5.419846	6.0678675	5.5656805	5.6644335	5.6282865
RFXANK	7.660771	7.52029	7.584262	7.925933	7.935731	7.497647	8.167463	7.836081	8.483239	8.097153	8.449325	8.044325
PLAC8L1	5.03791	5.14222	5.118559	5.436942	5.370065	5.111046	5.344186	5.327423	5.852948	5.822663	5.642748	6.031737
SARS	8.6970955	8.6375085	9.0552295	8.7982645	8.0132385	8.9191955	8.5576555	8.1428095	9.662495	9.071134	10.102946	9.125664
RHPN1	5.118724	5.341417	5.2208545	5.1729515	5.08451	5.105272	4.9548925	5.053592	5.088721	4.9873045	5.1232985	5.0964725
EML1	7.637899	6.8226215	7.24505	7.615518	8.5618995	9.0461735	8.362005	8.7134155	6.2528195	7.024871	8.7781145	7.1974645
TGFBRAP1	6.900795	6.804738	7.366539	7.002089	6.889936	7.729267	7.138338	6.549551	7.51419	6.913322	7.232449	6.838908
HIF3A	4.518548	4.387188	4.534245	4.064522	4.362499	4.037227	4.006289	4.256375	4.37493	4.17844	3.945679	3.647409
CENPI	4.391702	4.239485	4.5282725	4.3265565	4.048233	3.5563345	4.518298	3.8806935	3.568185	4.1264525	3.6338045	3.8333635
CACNA1D	3.8793995	4.1834685	4.211653	4.2445835	4.0427965	3.9323345	3.92435	4.0693555	4.0536315	4.041266	4.1291985	3.990104
EGF	3.17512	3.07643	3.751621	3.873771	4.990606	5.323061	4.863183	5.050311	4.709079	5.095511	5.489036	6.029912
RCN3	9.1640085	9.886583	10.1138445	10.377906	6.1013775	6.1775315	5.970173	6.1571565	8.2316375	6.260299	6.130515	6.509759
RGS12	4.760894	4.938255	4.6958425	4.6800745	4.778107	4.7110655	4.767964	4.8361635	4.705287	4.229426	4.6216355	4.2138295
MAP3K12	7.998698	7.838903	7.682315	7.196596	6.361694	5.90234	6.545605	6.240839	6.793111	7.129639	6.596856	7.096379
GALNT8	4.88688	4.888609	4.725733	4.649231	5.019414	4.933589	4.927627	4.772224	4.828054	4.677979	4.931205	5.190005

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
DCUN1D1	6.542526	6.015414	6.587741	6.708236	7.045245	7.601717	7.596715	7.073505	7.168025	6.338363	6.379458	6.603369
ESPN	4.450008	4.547011	4.256101	4.515134	4.63052	4.924349	4.48186	4.749612	4.769546	4.565191	5.078159	4.620264
LIX1L	8.5740495	9.455473	8.200908	8.541945	8.78317	8.1617665	8.2208515	8.4697625	7.424244	8.022005	8.0722685	7.994294
COBL	3.622451	3.870086	4.008495	3.947308	5.716413	8.288118	6.5620725	6.0059155	4.1233435	3.9245435	6.8220165	4.386161
MCOLN3	3.346603	3.4743285	3.579732	3.3867275	3.310515	3.1376945	3.218109	3.3985255	5.037164	4.497415	3.3816895	3.1106835
ITGB3	6.636948	6.363171	5.516169	5.321357	5.496841	4.796615	4.14487	5.514903	5.625655	4.283603	5.270144	3.795171
FOXRED1	7.464273	7.355419	6.934468	7.249866	7.673212	7.513708	8.248336	7.734792	7.65415	7.937297	7.458314	7.960665
B4GALT3	5.9426365	5.7172575	5.7279945	5.92983	6.2965975	6.232831	6.370817	5.9734985	5.8479155	5.9853705	6.21493	5.7952985
IGFBP5	4.8260765	5.4198095	5.198807	5.9333385	6.8232725	5.615824	5.102738	6.238104	5.145112	8.550813	7.069464	7.700658
SCAMP3	9.324845	9.203137	9.207623	9.404383	9.459503	9.53845	9.578994	9.581262	9.742273	8.843312	9.667418	8.541095
GSTCD	5.982062	6.519706	5.736105	6.111054	7.16018	6.647322	8.26132	7.092688	6.158185	6.0371	6.025829	6.194706
SH3GLB1	10.95951	10.80467	10.83172	10.7119	10.11092	9.419946	9.687818	10.15779	10.10052	8.997933	9.858292	8.35241
ANK1	4.470485	4.593472	4.38059	4.71201	4.444596	4.357987	4.424063	4.554003	4.402188	4.276573	4.368026	3.999315
DMAP1	7.075923	6.69116	6.934576	7.629651	7.36583	6.457195	7.387299	7.346563	7.488458	7.509136	7.17029	7.605478
SCRG1	3.8546135	3.8515015	3.6663275	4.5093725	4.0917135	3.4916485	3.349559	4.024436	3.907244	3.7268295	3.647672	3.9020625
LGALS2	4.451397	4.830612	4.574761	4.554546	4.62742	4.363249	4.837581	4.465128	4.407823	4.253237	4.430653	4.392437
PREB	8.12204	8.046845	7.952646	8.21485	8.41478	8.939334	8.955828	8.383795	8.224102	8.339478	8.375401	8.372184
PPARG	5.468572	4.925157	5.93819	6.362443	4.537818	6.538548	5.137675	4.457308	6.781122	4.271062	6.66453	5.681654
ZNF669	5.345607	5.796488	5.199782	4.950049	6.104352	6.178675	6.108603	5.982069	6.200902	6.085518	5.577084	5.749341
PPFIA4	7.290457	7.954195	8.357918	6.562483	4.285141	4.703981	4.691142	4.708427	5.213988	6.108029	4.764834	6.04273
MYLIP	5.376878	5.101849	6.0583375	5.7997595	7.38924	6.8329285	7.493455	7.263324	6.786533	9.4872635	6.8020105	8.711926
TBX6	4.5099105	4.769254	4.660565	4.578869	4.4173225	4.3699725	4.394029	4.402769	4.495778	4.556521	4.5331345	4.7337685
GNPDA2	8.784542	7.932383	8.162351	8.294237	8.497975	8.98512	7.707396	8.533516	8.626504	7.69875	8.239914	7.958922
AP3B1	8.722689	8.60792	8.423714	8.470405	8.2754345	7.9937535	8.334212	8.3922475	7.495925	8.025896	7.9419655	7.8664585
OXSM	8.247604	8.242397	8.07997	8.418518	8.749949	9.650541	8.922235	8.788719	8.172928	8.636323	9.43467	8.825518
ZNF200	6.756651	6.4369975	6.9972055	7.017799	7.0386855	7.1221445	7.402948	7.0828795	7.18402	7.035175	7.0650265	6.956237
ADORA3	3.659175	3.8265045	3.6835215	4.0549275	3.7975175	3.75092	3.7172925	4.059482	4.0615225	3.6976025	4.021099	3.9543875
TPMT	6.323861	5.972371	6.113373	6.940845	6.996908	6.991204	7.197785	7.043995	7.168013	7.699326	7.144074	7.618993
SPRY3	4.290459	4.401118	4.214672	4.242701	4.346558	4.295522	3.913264	4.45939	4.58622	4.208636	4.117941	4.147563
LIN28B	2.935166	3.047059	2.964362	3.104909	3.100375	2.940626	6.143024	3.11453	4.942943	5.270494	3.373619	7.483415

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
UPRT	7.845911	7.345003	7.480131	7.518324	7.211076	7.411859	7.994333	7.359594	7.229037	6.897117	7.554658	7.029709
DDN	5.192149	5.837019	5.719435	5.72801	5.592291	5.383606	5.565027	5.499964	5.10601	5.244595	5.705071	5.349395
CYP7B1	2.796991	2.657979	2.943269	2.731717	3.170888	2.908	2.576678	3.697861	2.768488	2.634911	2.662339	2.283066
ATP1A4	3.205991	3.117287	3.052089	3.662416	3.110811	2.974166	3.063827	3.007579	2.837517	2.582089	3.196658	3.152617
CYP7A1	2.353144	2.31576	2.070234	2.428055	2.48046	2.387151	2.256467	2.477112	2.480186	2.222178	2.476068	2.382848
CA1	4.230886	4.21335	4.2319005	4.0474605	4.096239	4.09198	4.1696325	4.3829875	4.270649	4.23002	4.2463745	4.038312
ABCC3	7.599546	7.336877	7.381077	6.678719	6.136735	5.399039	5.13216	5.670142	5.57817	5.523666	5.950689	5.201559
MGAT4A	3.0952745	2.9006895	3.1075645	2.836469	2.906889	3.21827	3.038372	2.9800305	2.952614	3.4281465	3.1682995	3.593599
FAHD2A	6.989455	7.5413665	7.255346	7.067945	6.848782	7.0560965	7.2460745	6.9565155	7.6297405	7.2298085	7.189662	7.0985825
COMTD1	6.04408	6.432573	6.127562	6.235991	6.545606	6.214337	7.929478	6.430008	5.878357	6.263221	6.226066	6.156521
SCAMP1	7.6329565	7.7434205	8.0970005	7.068556	8.287433	7.7244045	8.237172	8.273196	7.281672	6.266153	6.8334535	5.887322
SRR	6.773323	5.899144	6.835894	6.980661	6.6246925	6.364647	6.3846395	6.538154	7.527401	6.404491	6.7054335	6.0548795
EMILIN2	5.799103	5.988746	4.927515	5.467025	5.297054	4.432199	4.092074	5.273274	4.086444	4.104845	4.774058	4.397467
CAPN9	4.1496155	4.0974145	4.236546	4.403721	4.471609	4.390378	4.347458	4.2971025	4.379712	4.133825	4.212475	4.0803805
GIT1	7.851748	8.349367	8.099447	7.809555	8.060245	8.40765	7.982351	8.046668	8.283195	8.294621	8.352809	8.073765
IDH3G	8.7969005	8.755559	8.3850095	8.7462905	8.8282595	8.7798965	8.361526	8.8067495	8.296678	8.627253	8.5396205	8.634602
LAMA1	5.1968675	4.311223	5.171971	5.2769365	4.1913605	3.860409	3.940554	4.2424985	6.6407	3.8868105	4.0050225	3.945651
ANKRD33	4.064949	3.626108	3.735512	3.594696	3.649582	3.954931	3.528848	4.024238	3.831656	3.605303	4.145303	3.598967
NIN	7.1415155	6.881183	6.898812	6.7655045	5.4584445	5.9736835	5.9629765	5.3751395	5.501772	5.709651	5.138333	5.430879
PIM2	5.528878	6.012145	5.721374	5.768186	6.637185	7.12638	7.847371	6.434	6.438437	6.928212	6.448387	7.105376
SLC43A1	6.538387	6.561665	6.476667	6.687581	6.731589	6.105151	7.173269	6.446406	6.709599	7.000329	7.537513	7.395848
MGST3	7.84898	8.07381	7.888968	7.659935	7.908145	7.826347	7.824957	7.933378	7.508207	7.830659	7.636714	7.90691
SPTLC3	3.067888	2.974442	3.318416	3.170871	3.235929	3.199753	3.009452	3.081848	4.528397	3.179184	2.95659	2.904843
FOXJ1	4.782777	4.962166	5.010078	4.862129	4.74844	4.695429	5.078275	5.046248	4.56185	4.635273	4.929605	5.470904
PPIL6	4.398897	4.956445	4.779968	4.575965	4.44906	4.367723	4.451395	4.598246	4.446574	4.446197	4.965519	4.2279
FBXO4	3.364383	3.09298	3.81006	2.922849	2.770646	2.786713	2.809112	2.908746	3.159288	2.859426	3.050718	2.792556
MAB21L2	3.3011675	3.4220035	3.6125335	3.6731905	3.2195645	3.310683	3.215082	3.2553095	4.884199	3.190045	3.331993	3.085791
RRM2B	7.657321	7.419959	7.197279	8.238625	9.209232	9.294445	9.556985	9.335533	8.664778	8.667628	8.929956	8.834828
LIMK1	5.794265	5.618523	5.776029	5.773295	5.814885	6.043378	5.550106	5.942067	6.056501	5.951416	5.820879	5.63181
GLT1D1	5.142545	5.244124	5.246311	5.319564	5.414807	5.213987	5.590367	5.323352	5.184649	5.379116	5.384962	5.600931

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
PUSL1	6.845489	6.84011	7.049563	7.076814	7.39064	7.488848	8.118163	7.441885	7.104447	7.149142	7.366467	6.744185
PNLIP	3.328341	3.400574	3.079385	3.289667	3.560818	3.111356	3.705058	3.206014	3.355975	3.293727	3.303694	3.287889
GTF2F2	7.226964	6.902909	6.958939	7.410722	8.441647	8.076019	8.477816	8.49238	7.467334	7.096941	8.516928	7.340141
CAP2	6.504566	6.4402715	6.6719515	8.266856	6.6020475	6.5446905	9.010152	6.9859835	8.5826515	8.4360925	5.659318	7.8372225
SLC6A3	5.799814	6.034528	5.73245	6.052903	6.216778	6.09375	6.611128	6.021641	5.946415	5.786271	6.214945	5.627815
ZNF76	7.054522	7.291868	7.262836	7.116106	7.436382	7.20421	7.19902	7.444507	7.217009	7.45123	7.520017	7.359762
TCF4	9.257058	9.4643385	8.915594	8.4500845	8.9407465	8.0704065	9.4308465	8.635583	7.5592145	9.965539	8.24871	10.168565
SMARCC2	7.776344	8.000445	7.71594	8.017314	7.441268	6.483774	7.374313	7.332185	7.48598	7.921917	7.339494	7.918365
EXOSC1	3.488746	3.262283	3.596064	2.850748	3.678414	3.173349	3.706827	3.565298	3.173551	3.355698	2.936454	4.038339
TMEM130	2.800515	3.36497	3.166621	3.313172	2.991862	2.9638	2.929171	3.041118	3.249869	3.060479	2.759185	2.743031
BRAP	6.1724875	6.1138015	6.876111	6.962269	7.4079765	7.8196665	7.255084	7.3789675	7.659488	6.872624	7.5637355	6.9390975
ZNHIT3	9.051174	9.260389	8.545284	8.92715	9.299234	8.951844	8.966538	9.233187	9.336861	8.64731	9.208265	8.138199
IDH3B	9.249103	9.152168	8.866046	9.322835	9.804688	9.908894	9.954821	9.924686	9.567907	9.295385	10.0883	9.396706
SAR1A	9.900159	9.952837	9.650419	9.756336	9.938476	9.38658	9.953438	9.874409	9.336968	9.059368	9.738564	9.472405
KCNS3	6.175503	4.428665	5.689588	5.422626	3.294592	3.501553	3.627936	3.554123	6.08973	3.389381	3.260394	3.256693
MMP12	8.083448	6.095414	4.210091	5.725658	5.607199	6.033509	3.904509	6.087448	3.367557	3.802111	5.161254	3.994249
COMMD7	7.1758955	6.9879965	7.462522	7.1909475	6.7829525	6.2399065	7.0874555	6.587001	7.7509945	6.48387	6.9733655	6.3974935
TFPI2	12.318975	11.83866	12.01401	12.02044	10.1034165	12.259305	12.02258	10.725585	10.501245	10.88694	8.926115	11.15004
ACOT6	3.05803	3.382905	3.184571	3.381429	3.207706	3.046359	3.152427	3.120309	3.149666	3.150317	3.239838	2.997765
PHACTR3	2.939995	3.176451	3.130071	3.183975	5.33964	3.231391	3.076365	4.948188	3.178865	3.929578	3.573068	3.485842
PLAC1	4.71022	5.704173	5.567453	5.124204	5.42135	5.899892	5.445908	5.258387	5.792058	5.306003	6.771125	6.403726
GGA2	6.4296255	6.667264	6.9523685	6.8006975	7.1224785	6.859089	7.1660575	7.084472	6.891513	6.7616645	6.9813455	6.810558
NKX2-5	4.6783	4.983222	4.703826	4.871	4.887105	4.482226	4.518032	4.791432	4.795678	4.711814	4.944352	4.901631
CRADD	8.181421	8.053967	7.911271	7.778171	7.419198	7.192191	7.003169	7.538715	7.300581	6.235373	7.535646	5.674801
MASP1	5.679587	6.022365	5.517222	5.664017	4.849326	5.12883	4.685909	5.012012	4.77987	4.396336	5.206748	4.537817
UPF2	8.221722	7.673953	8.129883	8.502058	8.828716	8.850492	9.21569	8.846655	8.546114	9.188948	7.97418	9.254392
PRR13	9.546424	9.373495	9.498041	9.861977	10.1855	10.03191	10.27689	10.10182	10.04758	9.804264	10.18926	9.64083
ATOH1	5.653573	5.880602	5.331294	5.528878	5.337129	5.187129	5.082326	5.274712	5.033884	4.754152	5.199435	4.808156
MAP3K8	5.5703145	5.6376765	6.040694	4.4483635	4.660987	3.7778335	4.4740355	4.6367535	5.344719	5.512925	4.1888645	5.738757
DDX43	3.738493	3.07519	3.025347	3.32988	2.62636	2.877174	4.313263	2.612737	7.911847	3.722237	2.835554	2.852284

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
PLOD1	10.16371	10.54913	10.36934	10.47421	9.689268	10.06453	9.235768	9.594323	8.697447	9.554476	9.655411	9.094846
RFXAP	5.493419	5.954573	6.058463	5.653663	5.923211	5.8826715	5.917557	5.7144555	6.4028025	5.9085105	6.365319	5.7070165
GPHA2	4.65541	4.397679	4.53535	4.963415	4.522393	4.41698	4.496104	4.560422	4.645486	4.579793	4.494361	4.654219
ARHGAP22	7.0874235	7.0798625	6.528825	7.0398005	4.136157	4.9348495	4.282781	4.096289	5.538001	3.9762565	5.963244	3.961566
GPC4	6.6935045	5.6527775	6.0711245	6.262737	7.7384745	5.834725	6.467854	7.541365	7.353495	8.093998	4.776393	7.58147
TRPV6	5.1603895	5.3313875	5.2371985	4.9173075	5.0092985	5.037169	4.9272565	5.1745995	4.9368515	4.998594	5.108419	4.930754
ARID5B	4.485474	4.232324	4.130149	4.023273	3.668175	3.663716	3.520825	3.922586	4.636874	3.502032	3.63462	3.339762
DEFB122	3.029059	2.879456	2.743638	3.168235	2.945076	2.689366	2.759719	2.869383	2.848109	2.607868	2.897678	2.703009
OTUD6B	7.242256	6.917964	6.927776	7.771099	8.493523	9.379755	9.871418	8.510112	8.333482	8.552389	8.271852	8.72099
AKR1C2	10.826005	10.1300005	10.22099	10.09197	9.3697165	11.915795	9.9560135	9.4557735	7.201401	8.8182725	11.59252	9.249601
RIMS2	3.355308	4.655729	3.884873	3.335353	3.025779	3.165655	3.667354	3.045022	3.496018	3.011223	3.017748	3.92705
OPN5	4.3436755	4.316188	4.4130745	4.5073565	4.376248	4.3103675	4.6701795	4.539358	4.358603	4.3055955	4.397373	4.183079
WDR77	8.3272175	7.965507	8.0360385	8.4005225	9.24022	9.8252335	9.582181	9.2147905	8.4446085	8.1653335	8.888984	8.1238355
PSME1	9.974891	10.16521	10.25937	10.27928	10.66659	9.280962	10.45239	10.51167	11.12956	10.49508	10.78673	10.07409
USP11	9.169382	9.269546	8.92139	9.00628	9.09713	8.180426	9.066904	8.958643	9.469607	9.890438	9.221309	9.749389
FBP1	4.676405	4.839157	4.510719	4.652752	4.910807	5.184373	4.573731	4.910807	4.704399	4.406031	4.857862	4.557495
RAD23A	9.334364	9.666636	8.8507725	8.9349425	8.6974065	8.885967	9.17051	8.291945	8.7929625	8.7634975	8.752814	8.99412
FFAR3	4.880602	5.334389	5.073641	5.17484	5.376564	5.167578	5.598147	5.288776	4.993168	5.213136	5.361125	4.867523
HYAL1	4.94983	5.069453	4.771507	4.385104	7.540614	8.882128	8.654134	7.778906	4.851977	4.55528	5.97135	7.002844
ADD2	4.3611625	4.785888	4.2648205	4.524143	4.284727	4.400135	4.476298	4.35598	4.061873	5.453389	4.5287145	4.302544
USPL1	5.765401	5.3932325	5.530259	5.400327	5.526638	5.4678035	5.5012665	5.5619285	4.940674	5.630761	5.1188535	5.5784075
CASP2	5.473867	5.860806	5.350513	5.728715	6.581499	6.635717	6.972771	6.386954	6.96083	6.368895	6.592896	5.965829
PLXDC1	4.24264	4.165768	4.31984	3.807556	4.634066	4.095752	4.202624	4.113021	4.152632	4.354183	4.335635	4.392222
TIPRL	8.1084945	7.96443	8.0755055	8.0649535	8.7216735	8.8289685	9.0693825	8.6470975	8.664137	8.3216835	8.970484	8.6999665
EEF1A2	4.196338	5.199184	5.337396	5.066383	7.235567	9.401972	8.065935	7.294237	4.660408	6.876816	7.366895	6.75321
APCS	4.195383	4.832122	4.856458	4.559228	4.705635	4.619241	4.625693	4.622504	4.518548	4.202748	4.551789	4.925586
GPR26	3.236508	2.955088	3.196659	3.180195	3.01912	2.805911	2.897482	3.151737	2.957315	3.145159	3.169253	3.161065
TEX264	7.455446	7.4775	7.365988	7.505713	7.670364	8.356942	7.746564	7.689911	8.01267	7.46454	8.246174	7.18875
SETD6	6.597542	5.768216	6.7743605	5.774364	6.535185	6.91304	6.6112215	6.3195455	6.6021175	5.8936615	7.085326	7.0094505
FHL5	3.212513	2.999009	2.877866	2.871543	2.904067	2.955997	2.600483	2.931014	2.80439	2.838342	2.826041	2.864069

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
TNNI1	4.393632	4.298669	4.602603	4.440375	4.068628	3.980886	4.365479	3.975521	4.257309	3.521709	3.821298	3.802102
PLA2G2A	5.312047	5.166012	5.56732	5.403577	5.856017	5.359738	5.33344	5.707057	5.042096	6.309852	5.36946	5.759487
WDR81	7.525475	7.683904	7.413078	7.430053	8.333534	8.476045	8.145089	8.294127	8.164558	8.041172	8.822802	7.987535
OR51B4	4.139611	3.837914	3.996319	4.039668	4.269629	3.969243	3.621487	4.34193	4.063759	4.132394	3.86856	4.029089
ATP8B1	8.5187355	8.158705	8.8362325	9.0923415	6.1523065	4.7106635	5.52314	6.067799	8.285834	8.0756315	6.649479	8.399398
CCDC34	6.1569285	6.567771	6.132872	6.5244265	7.4808715	6.5272025	7.0606215	7.1815785	5.410969	6.316032	5.990369	6.4629865
HSCB	7.74755	7.68858	7.791705	7.780742	8.1471	7.855237	8.403599	7.987802	8.065415	7.87753	7.997797	7.646004
STRBP	4.01617	4.215287	3.722301	3.988121	6.065163	7.210939	7.581199	6.068211	6.402504	7.346374	6.35029	7.060988
FRAS1	5.415719	4.649725	5.184974	5.211153	5.340044	5.133897	5.173693	5.552116	5.189552	4.966968	5.308603	5.283076
FHL1	8.682623	9.146484	10.05867	9.493729	9.74273	5.410085	7.374577	9.922932	10.75458	6.899515	5.001617	6.478506
TAS2R45	2.523	2.476444	2.714327	2.6622	2.345453	2.354456	2.256974	2.44603	2.533478	2.50424	2.460498	2.432229
PRSS2	5.709194	6.132383	5.600141	6.199669	5.417576	7.027904	5.111447	5.326888	5.09852	4.701033	7.705632	4.819671
THAP11	8.080119	8.060424	8.259539	8.206813	8.507093	7.883644	9.11088	8.308905	8.420896	8.196878	8.92762	8.449886
MAMDC4	5.779087	6.035946	5.689734	5.599961	5.53484	5.395773	5.752183	5.724488	5.429598	5.688612	5.392502	5.773602
ZFP36	9.307051	9.222907	8.902567	8.618778	7.415501	7.2034	6.989372	7.389918	8.523063	7.791282	7.679052	7.454628
VSIG1	3.414411	3.465143	3.447749	3.4784885	3.571706	5.675019	3.446395	3.672078	3.752391	3.740041	5.582651	4.3241025
MRPS12	5.714199	5.9286605	5.846056	6.0188865	7.2985295	9.0481105	8.5579625	7.3235745	6.714715	6.0225815	7.8001765	6.330833
ACRBP	4.102704	4.275713	4.31702	4.222282	4.30439	4.287864	4.183637	4.188777	4.156883	4.027436	4.311476	4.265315
WDR20	6.980738	6.313375	7.113684	7.13785	6.727565	7.173779	7.108057	6.850051	5.695826	6.200963	6.895825	6.455985
EFHD1	4.773611	5.248816	5.261252	5.161946	6.969099	5.189699	7.180267	6.2144	7.355747	6.233976	5.908018	6.424778
POPDC2	3.466309	3.442339	3.573373	3.28506	3.515932	3.554655	3.504409	3.284288	3.550058	3.503807	4.052321	3.227149
ZNF25	6.792307	6.532397	6.5259815	6.947251	5.918868	4.8460915	4.5007545	5.7898235	7.3435885	6.0647035	5.315576	5.4899165
SERPINI1	5.451412	4.336759	4.663678	5.729931	8.505284	6.845489	4.160296	8.575057	7.88722	6.993046	7.495806	6.54488
SGCA	4.705598	5.511322	5.075679	4.855017	5.80363	5.793714	4.324885	5.598066	4.580257	4.884929	4.952702	4.831647
GGA3	6.0186315	6.3083775	6.007838	6.1891245	6.1577985	6.5562825	6.201476	6.1887985	5.92926	5.614663	6.2886245	5.921009
SRPX	12.32731	11.62251	11.52427	11.69902	9.410313	11.25527	11.10154	9.277761	9.04173	12.16604	11.74433	12.25052
JAK3	4.394598	4.8491295	4.807781	4.512316	3.866189	4.0668065	3.743917	3.9769455	4.276534	4.121655	4.0850815	3.7145205
RETNLB	4.363775	4.2870115	4.583053	4.338549	4.2812085	4.336659	4.129468	4.317703	4.209278	4.2019165	4.218316	4.076077
BCAS2	9.077379	8.980141	9.220781	9.243629	9.610147	9.711819	9.879084	9.486103	9.798631	9.210849	9.41305	9.024755
SLC36A4	5.5658685	5.214116	5.242633	5.5091755	5.1379425	5.760227	5.790031	5.1461065	6.0567625	4.781482	4.2905635	4.717484

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
TMEM164	6.50647	6.231607	6.535124	6.769623	7.14004	7.509248	6.946267	6.954177	6.596579	6.86174	6.989292	6.715526
CACNA2D2	4.9161815	5.0167595	4.929053	4.8843955	5.653147	4.8049305	6.0814995	5.62164	4.9790385	7.862936	5.309223	7.3512055
WDR26	8.426695	8.357918	8.812822	8.531381	8.779087	9.155872	7.693975	8.649885	8.395301	7.789953	8.327552	7.724181
APOBEC3F	4.8815615	4.9169295	4.5219295	4.8578465	4.432552	4.2315125	4.441574	4.5618405	4.741786	4.6261095	4.6277115	4.3514945
WNT16	4.1395225	4.592255	4.5125665	5.013945	5.0416365	5.7004815	4.9263535	5.1794625	3.8766175	3.945683	4.570922	3.7197705
SCN10A	4.523793	4.694759	4.651939	4.649109	4.482216	4.332437	4.545248	4.598039	4.465737	4.379168	4.542684	4.344702
LONRF2	3.4730955	3.2057115	3.8349285	3.842279	3.577112	3.5972445	3.2949105	3.6442555	3.7017135	3.834349	3.8701055	4.4337345
CNKSR1	4.189527	4.314748	4.432545	4.196586	4.263233	4.634846	4.343247	4.396784	4.704921	3.903605	4.382057	4.296122
VPS29	7.6896145	7.3714545	7.5006185	7.7095005	7.452041	7.3528405	7.673063	7.589815	7.6515975	7.501021	7.6036375	7.482071
SYT9	3.7786275	4.0742605	3.852409	3.954224	3.6791305	3.645034	3.6643645	3.63996	3.63333	3.6527825	3.770541	3.6950475
DUSP1	9.226208	8.266928	6.530222	7.374499	6.25504	6.926077	6.103544	6.162935	8.418668	5.692322	6.232457	5.650077
DRD1	2.661962	2.520344	2.932463	2.708737	3.402641	3.211221	3.671156	3.399746	2.664872	4.802675	3.749095	3.313692
PTPN4	3.9400845	3.599376	4.464524	4.057274	4.0110855	6.1350145	4.2754485	4.1936055	4.6216645	3.9641855	3.6891075	4.348957
ZNF267	6.593478	6.520943	6.183147	7.106878	7.234175	7.135802	7.51269	7.01519	6.993074	6.567405	6.092361	6.585317
GUCA1A	4.322353	5.329622	4.566485	4.555965	4.333458	4.084576	4.213394	4.50585	4.299092	3.907345	4.275694	4.088523
ZNF580	8.097651	8.603617	7.851449	8.175903	7.019906	6.795446	6.938365	6.752333	7.417356	7.683578	6.843572	7.646336
LAT2	4.9927305	4.941372	5.133185	5.0569755	5.1119745	4.957564	5.00447	5.2063775	5.1343245	4.884807	5.091317	4.8344415
NPBWR1	5.584677	5.957195	5.660489	5.588294	5.380528	5.313154	5.266236	5.463708	5.526824	5.33738	5.328429	5.535724
SPAM1	3.320506	3.272328	3.097414	3.215178	3.05522	3.001049	2.970985	3.1019	3.064951	2.995059	2.984366	2.953585
ANGPT4	5.528878	5.580138	5.228109	5.501896	5.436665	5.257889	5.644438	5.561083	5.372718	5.29132	5.456895	5.190912
ANKRD6	4.341923	3.712289	4.850585	3.9305885	5.1206775	5.7054485	6.4162895	5.679849	6.678641	7.2375715	5.8443565	7.055753
XDH	5.6313885	5.278227	5.18766	5.7914395	4.7198925	5.2423825	4.8161955	4.8774245	5.0279565	4.529382	4.6963425	4.540871
TIMM17B	6.314268	6.4311395	6.372435	6.461109	6.5631205	6.3008955	6.8018835	6.4392995	6.3429345	6.166222	6.4852595	6.1370375
FAIM2	4.822946	4.860277	5.117659	5.63359	4.818402	4.736347	4.8912955	4.9612135	5.0136405	4.673693	5.0731075	4.758354
CCNT2	6.6471425	6.3827485	6.5974855	6.5370355	6.7261565	6.846332	7.1796145	6.711696	6.874515	7.152962	6.572062	6.848833
CFHR3	2.996134	2.9966395	3.0824275	3.1523405	3.005627	2.996248	2.973679	3.119603	2.865306	2.987486	2.95605	3.1783435
RAB27A	8.534951	8.100296	8.277926	8.011105	6.327776	4.619519	6.373332	6.139602	7.58742	6.282313	5.494284	5.670882
RBM14	6.352664	6.771807	4.945695	5.210455	5.375709	6.984541	6.224931	5.497183	5.47418	5.029692	6.464795	5.43836
ACSS1	4.654316	4.972596	5.038231	4.947723	5.137722	4.699769	4.941495	5.110913	4.704428	4.561084	4.849007	4.69835
SEMA3C	8.801432	8.8188795	9.078042	8.3825475	9.819544	9.423558	8.5533765	9.969087	10.348387	6.670483	9.621608	5.7218045

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
CEP68	6.782174	6.567921	6.727145	6.076551	6.429792	5.63181	6.401759	6.318916	6.304714	6.623526	6.647641	6.831078
CDK5RAP2	8.761155	8.790198	8.702775	9.313136	7.397843	6.52169	7.35241	7.247159	7.305548	7.974363	7.609507	7.699728
MYF6	3.845616	4.393247	4.10833	4.488023	3.834481	3.91522	3.691399	3.925177	4.146607	3.709579	4.186303	3.436615
CH25H	6.515366	6.509266	7.416595	7.93248	7.360803	4.037018	4.073813	7.296346	6.392719	7.861602	9.138312	7.480023
R3HDM1	6.2686885	6.1346395	6.040242	6.261665	6.778645	6.325365	6.680237	6.6276765	6.1024195	7.4771675	6.164133	8.399191
TSC22D2	3.4498055	3.79354	3.75376	3.7658515	3.74713	4.1288645	4.0700385	3.727387	4.011529	3.7766465	3.6938455	3.5641685
BIN3	6.8001045	7.170539	7.334544	7.2569475	7.175342	6.5725185	6.7337975	7.057108	6.817066	6.5562685	7.069959	6.62249
PDIA3	8.872163	8.905067	8.70616	8.566953	8.699363	8.751509	8.547037	8.774171	8.243998	8.25618	8.480619	8.086465
KBTBD3	5.504782	4.807644	4.756094	5.339501	6.530921	5.317031	6.346288	6.780641	5.81009	6.632615	6.061848	6.247686
DDX51	5.242604	5.526953	5.207978	5.273258	5.245822	5.59007	5.760794	5.006053	5.436197	5.10501	5.781205	5.139398
SHH	4.875988	5.2013665	5.023378	4.901849	5.1690035	5.1162975	5.207202	5.093437	5.137589	5.183339	5.3182245	4.806153
KIAA1324	5.086262	5.219278	4.435463	4.895714	4.848909	4.592686	4.587632	4.595013	4.497652	3.789893	4.675977	3.903433
ZNF132	4.541354	4.556137	4.602783	5.278736	4.765275	3.290208	4.792588	4.955618	4.764523	4.990736	4.967734	4.634755
ITLN1	4.035941	3.888206	3.944163	4.151835	4.371539	6.946504	4.906869	4.072612	3.911324	3.646751	4.340378	4.919337
RELB	6.483085	6.667564	6.479019	6.228169	5.886926	6.024648	5.98256	5.765646	7.008862	6.724165	6.897142	6.62198
CASP14	4.243308	4.634912	4.505792	4.043334	4.167202	4.15912	4.096683	4.289497	4.406014	4.079871	4.556725	4.239462
RAB26	5.143064	5.2894025	4.970804	5.188813	6.092365	5.194323	5.6012665	5.780023	5.565178	5.8882125	5.2876605	5.3639925
NISCH	7.8336185	7.762472	8.0607785	7.8607185	7.7713735	7.643122	7.72993	7.8048565	7.818801	8.373984	8.0580305	8.365292
ENAH	6.9588065	5.7215075	6.255949	6.9176895	4.5156935	5.5063895	5.6859905	4.5092785	6.9789705	6.367506	4.767511	5.970309
ARG2	5.9713025	5.7173005	5.7379915	6.3260205	4.7847215	5.435667	6.126308	4.850388	5.625508	5.4488925	5.467486	4.7814985
FAM8A1	9.605633	9.283828	9.517832	9.696306	9.497732	9.087573	9.095396	9.446596	9.253091	9.357184	8.696162	9.248636
LARS	9.345783	9.121987	9.2879605	9.5402085	10.15956	10.49618	10.1245405	10.164764	10.484297	10.0662035	10.268602	10.2291835
GEMIN5	8.346563	8.042569	8.28565	8.523364	8.89679	10.13465	9.81378	8.725002	8.33625	8.632203	9.195782	8.576929
GUCY2F	3.286938	3.377284	3.41385	3.404904	3.296859	3.296948	3.162803	3.205991	3.369893	3.299575	3.431352	2.740552
CDA	8.203911	8.137175	8.148304	6.138271	5.808013	7.992529	4.85979	5.644562	4.355661	4.026001	8.83123	3.586439
SRP68	9.979053	9.765582	9.850173	9.861885	9.457126	9.616009	9.906181	9.451061	9.352097	9.416269	9.433872	9.366329
CCDC42	4.555126	4.666058	4.778374	4.533283	4.75739	4.960105	4.761242	4.731238	4.562651	4.44298	4.67822	4.213519
SPATA21	5.6724325	6.30828	5.5008685	5.549254	5.4907765	5.7185455	5.275787	5.3337935	5.688847	5.251469	5.722767	5.3638715
SLC45A4	5.228876	5.2899175	5.336557	5.4180625	5.5666495	6.455092	6.0281395	5.5772185	5.7585805	5.9652255	6.351639	6.1388155
SERPINA1	3.6961785	4.2141095	3.438142	4.017464	3.506122	4.090146	3.3570955	3.603745	3.7289815	3.373191	3.51224	3.2029195

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
RGS20	6.687676	6.401263	5.8941645	6.928605	5.466168	5.4527175	5.064349	5.460298	6.307218	5.912567	5.749208	4.8618685
ARL11	2.4946825	2.4044155	2.571484	2.252771	2.332222	2.293595	2.359417	2.347824	2.348237	2.4179285	2.425645	2.3283465
KCNH8	2.501499	2.665432	2.59317	2.90229	2.424978	2.444868	2.638502	2.702232	2.482509	2.833453	2.768361	2.991549
SOCS3	5.976731	5.7852005	5.302828	5.157928	4.543168	4.436174	3.7716295	4.654185	5.006876	4.8259815	4.5457025	4.4482065
TMEM14B	9.955775	10.1667385	9.9465955	10.397325	10.51474	10.173281	10.519885	10.464935	10.3096915	10.24236	10.710385	10.16827
CCNB2	5.06552	4.97479	5.253274	4.809204	5.094202	4.721878	4.786384	4.892505	4.982191	4.764668	4.878697	4.797869
TIGD7	4.886377	4.9630665	5.148805	5.2906915	6.134467	6.611746	5.7632135	6.1845655	6.587775	7.269123	7.5362145	7.4223845
PSMD9	7.776582	7.359042	7.8259185	7.951864	7.7599915	7.905433	8.3698235	7.8238215	7.9215225	7.4628665	8.298734	7.423669
WNT7B	5.708931	5.8596445	5.627457	5.469134	5.2989615	5.336668	5.2305085	5.428729	5.4284685	5.3887575	5.24923	5.37367
SPRY4	8.507811	8.353872	7.750944	8.086641	6.742941	6.883659	5.553037	6.749591	6.715753	8.283618	7.253568	8.596483
RASSF6	2.939941	3.138696	2.794868	2.980418	3.152748	2.840493	2.800505	2.824779	2.924382	2.729083	2.747111	2.834748
GCNT2	3.888737	3.947153	3.8426255	3.7855325	4.954518	5.4865205	4.4659	4.9120715	4.8053765	4.1806895	4.3616865	4.0042985
SCML4	3.641351	3.946577	3.61557	3.70021	3.862291	3.437802	3.622895	3.775375	3.660069	3.936508	3.767601	3.344034
HLA-E	9.375257	9.86908	9.635008	9.46948	9.663612	9.611315	10.12811	9.608946	10.8123	10.56165	11.16435	10.47249
PITX3	5.691214	5.763773	5.178586	5.384836	5.81415	5.522633	5.695826	5.366723	5.481474	5.317487	5.734785	5.349469
ARL6	5.849175	4.8314035	5.862922	5.6524	6.1224885	6.8769465	5.8472895	6.2295795	6.1885035	5.819737	5.6932065	5.4878135
NR0B1	3.34908	3.48042	3.267971	3.55341	3.4955215	3.601484	3.3442945	3.416915	3.6429195	3.30998	3.63724	3.578794
ATP2C1	8.2802305	8.1276325	7.8796155	8.6897765	7.886745	8.1847245	7.489618	8.010604	8.8004615	7.927464	8.3751945	8.1848245
AKR1C1	5.013902	4.6778405	4.806226	4.59089	4.552238	4.7461405	4.353905	4.5244885	4.53512	4.414605	5.284455	4.8749515
PNPLA2	7.6367635	7.8811935	7.7751035	8.01642	7.2521205	7.325806	7.245592	7.261787	6.8870375	6.6944905	7.006613	6.801379
FKBP10	8.841095	8.175629	7.23906	8.669791	8.771911	9.430417	8.627852	8.696074	8.425513	8.598554	8.605331	8.133538
TEKT1	4.977158	5.302809	5.299341	5.34985	5.114391	5.049348	4.982096	4.992253	4.873107	5.026924	5.255384	4.688255
SRRM2	6.730638	7.040029	6.6638105	6.4368195	7.259602	7.5726225	7.319185	7.259686	6.7318265	7.4984015	7.1536935	7.3388625
HSPA14	7.260375	7.461262	7.752422	7.53009	7.629582	8.002366	7.737742	7.472147	8.168222	7.386012	8.484459	7.736132
RASA1	10.70113	10.50337	10.27782	9.897726	8.387511	8.214046	8.41099	8.389038	9.674183	8.590266	8.472629	8.003296
MAF	2.766526	3.632452	2.966683	3.023449	4.152527	3.436804	3.065139	4.193832	3.712303	3.023449	3.71659	2.562777
ITM2B	11.43514	11.597695	11.599305	11.74996	12.581935	12.59857	12.05999	12.50588	12.197015	11.801335	11.83764	11.80413
ZNF689	6.7138575	6.8467215	6.4064325	6.5776095	6.6813265	6.6624175	7.1313525	6.5665605	7.2644435	6.540737	7.1361455	6.4677275
RNF166	5.070831	5.444117	6.220778	6.006655	5.967383	6.895825	6.526215	5.853408	7.756555	6.15771	6.616313	6.313414
GADD45G	5.251923	5.436995	5.451912	5.872416	5.768007	5.899186	6.062517	5.898692	5.920846	5.865026	6.772611	5.988301

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
NDUFS1	6.1145	5.845374	5.841291	4.986678	6.619476	8.18927	7.874752	6.756034	6.111938	5.684834	5.771203	6.190243
PJA2	10.10253	10.10954	10.02659	10.07113	10.17866	9.621811	9.74287	10.20793	9.395764	9.518489	8.952191	9.321634
EID3	5.016413	5.079027	5.421106	5.00627	4.842195	3.083995	3.825386	4.518609	4.587918	3.227376	2.821369	3.221028
AOX1	8.01905	6.4694465	7.70042	8.918837	5.411288	7.509652	4.5538635	5.4654485	7.8559135	4.2060975	5.8675345	4.50219
ZNF202	6.419003	5.9679975	6.3565075	6.2249555	6.2851405	6.191332	6.381939	5.988533	6.44746	6.726075	6.8331785	6.3760305
HIRIP3	6.8198495	6.907178	6.486871	6.810965	6.5926915	6.113753	6.605804	6.3512305	6.571026	6.164312	6.5343745	6.0978545
GPRC5B	4.26585	4.615381	4.201875	4.266002	7.4842185	5.0072675	5.3636045	7.600989	5.4845335	6.1621255	5.59571	5.2544465
DHRSX	7.0195415	6.647553	6.9743255	7.2079255	6.8918125	6.3376475	6.9225695	6.769183	7.184439	7.000939	6.848783	5.8753245
ACVR1C	4.529187	4.367934	4.46377	4.6371405	3.8823015	3.987704	3.9832215	4.1595515	4.1389225	4.640558	3.7839	4.3675795
ZDHHC11	6.023458	6.149652	6.030334	5.966149	5.92642	5.979998	5.703452	5.965567	5.858346	6.084436	6.471584	6.032687
CALR	7.731558	9.740604	10.53912	10.03626	10.11791	9.814583	9.861235	10.28793	9.139696	9.227845	8.759567	9.532282
DUX1	6.188271	6.356489	6.126391	5.920305	6.014313	5.561779	5.805605	5.821801	5.63181	5.743883	5.986032	5.540626
THRA	5.384145	5.472652	5.2655295	5.3779535	5.463922	5.144306	5.170959	5.3449605	5.007371	5.690087	5.1604625	5.893674
FAM53C	8.783134	8.626983	9.19817	9.099679	9.372738	9.73069	9.434735	9.279099	9.296615	9.100585	9.240505	9.019282
TNFRSF18	4.2501965	4.6648995	4.4883315	4.662431	4.604846	4.6707015	4.4754475	4.5582525	4.917666	4.3982335	4.4822975	4.279861
NIPSNAP1	8.7511445	9.0555255	8.445293	8.7272715	8.8441895	8.0568655	9.280424	8.7829375	9.146788	9.6407965	8.6455745	9.189636
COL5A1	11.16323	11.336285	11.48229	10.831775	9.72221	8.5084275	7.1825765	9.7125345	9.9326815	9.179999	8.7959745	9.5905765
SERPINA3	4.631626	4.925157	4.757015	4.701484	4.8624	4.416981	4.623906	4.662903	4.482365	4.646952	4.618917	4.360093
MID2	6.619423	6.65409	7.4712625	6.8169425	5.455139	5.8557555	5.849001	5.647132	7.21119	6.718585	5.9049545	7.1225825
SREBF1	5.9426175	6.155571	6.1226925	6.124245	6.359288	6.7001025	6.9271715	6.245923	6.693888	6.365346	6.546366	6.561307
PPP1R13B	5.402256	5.464808	6.096262	5.41212	4.7012	5.530326	5.210745	4.403016	5.378153	5.433084	5.673137	5.15224
RYR3	3.4728705	3.5879735	3.793101	3.4803345	3.6471645	3.630406	3.5796675	3.935798	3.7887695	4.7210235	3.593618	3.724768
KIF7	7.78321	7.212461	7.405054	7.56643	7.379826	6.115275	7.392262	7.393606	7.358697	8.037121	7.006	8.089031
SLC26A4	2.659196	3.047089	2.859426	2.50986	2.372648	2.498322	2.456952	2.419515	3.20175	2.674891	2.5942	2.725746
DNAH1	4.283661	4.552236	4.170459	4.222282	4.048516	4.207653	4.052497	4.07968	4.063251	3.919973	4.146718	3.675694
SQLE	7.0105365	7.098242	6.9701945	6.881028	7.984149	8.8212735	8.6071745	7.8402125	7.494418	7.0083365	7.4511755	6.665048
NSF	5.349178	5.062388	5.081031	5.208818	5.366797	5.225181	5.409752	5.465826	5.034511	6.570022	5.951039	7.204719
CUL3	5.815988	5.255213	6.0381915	6.1405705	6.0013695	6.1204245	6.7715015	5.8284305	6.096476	7.2256695	6.2067365	6.866239
TOMM40	8.239351	8.193605	7.967343	8.527821	9.167826	9.804245	10.05095	8.9182	8.458039	8.978731	9.138841	9.223021
CA6	3.4791085	3.4595915	3.497662	3.357599	3.1873305	3.3174755	3.302485	3.2340995	3.205927	3.2015155	3.227348	3.227749

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
ADM	12.9012	12.61815	13.32823	12.8353	9.369105	9.412725	9.315132	9.724657	12.12102	9.361551	8.213472	8.674163
LCN6	4.241981	4.55763	4.320711	4.634066	4.420314	4.309645	4.257082	4.368736	4.152497	3.779808	4.420313	4.177941
DYNC1LI2	9.051579	8.356698	8.744882	8.7864955	8.235974	8.3262085	8.156226	8.1506475	8.172833	8.527554	8.2456835	8.4629275
SLC7A14	4.414647	4.3054275	4.4543995	4.7453045	4.441931	4.1261715	7.9213045	4.3410315	4.931223	7.9588115	4.3956555	8.457383
PRDM15	4.775846	5.454557	4.863143	5.07841	5.025746	4.810456	4.898088	5.164541	4.482205	4.774525	5.025746	4.828331
UNC5A	4.658616	4.6416485	4.704899	4.6728325	4.699363	4.4678205	4.5523415	4.7565495	4.6261585	4.472596	4.5084665	4.3694215
DSEL	8.440544	6.934968	8.422766	8.185701	6.936841	5.81521	5.882826	6.99152	6.664149	7.010558	5.16902	5.445729
TPI1	12.5086	12.68252	12.51638	12.73063	12.1473	11.8509	12.23484	12.14042	12.03354	12.03971	11.90242	11.68782
RHOT2	7.644428	7.963993	7.431827	7.604153	7.756556	7.958219	8.248591	7.814315	7.388016	7.857943	7.639369	8.146541
SLC28A3	3.725567	3.6099645	3.5061635	4.116143	3.485637	4.2837295	3.4852915	3.4205295	4.35861	3.0608635	3.4860165	3.0954915
DNAJC10	8.713814	8.167418	8.557605	8.833497	9.059965	8.868527	10.3758	8.935164	8.988537	9.896226	7.837896	9.413241
TPD52L2	9.464487	9.589298	9.93462	10.49798	9.961602	10.66636	9.686122	9.94335	10.03141	9.802518	10.53529	9.827048
WDR6	7.358164	7.879645	7.170149	7.0759415	7.685374	7.5317235	7.6317155	7.875191	7.179258	7.334172	6.7067485	7.0284275
SLC39A10	10.27025	9.962323	10.12679	10.67	10.3508	10.40513	10.1814	10.26116	8.56895	9.862753	8.494683	10.01584
ZC3H8	5.646553	5.28111	5.7073495	5.5979315	6.5525925	7.8498835	6.761014	6.5917795	6.890486	7.2770695	7.3863665	7.3486915
TFDP1	8.393054	8.403231	8.695826	8.79845	9.079459	9.511329	9.582469	9.031166	7.728347	7.723456	8.559794	7.353092
SMAD5	8.592236	8.260007	8.73909	8.670205	8.3368	8.09774	8.333281	8.409612	8.236837	8.160643	8.049902	8.779449
CPEB2	5.365568	5.725699	5.569854	5.844213	5.892052	6.192039	5.955907	6.277261	6.406193	5.005558	6.238712	5.193096
RYBP	8.778395	8.598547	8.3374835	7.678284	8.164367	8.569176	8.0202095	8.16617	8.2710115	8.50739	8.352026	8.2112575
MDC1	7.307843	7.0497215	6.8935345	7.0020225	6.869953	5.588707	7.527912	6.6570325	6.861594	7.5255795	6.747806	7.4758785
LRRC36	5.986786	5.861226	6.093286	6.104322	6.038958	5.865357	5.828664	6.007491	5.805387	5.468816	5.795103	5.445908
BMX	3.798894	3.836855	3.696081	3.787246	3.949746	4.346549	5.948363	4.138861	3.740916	3.780478	4.095874	4.069106
CLDN4	4.4312285	4.5958635	4.513372	4.7442235	4.650051	4.6010155	4.209496	4.5734445	4.4480175	4.304659	4.3236165	4.211844
FANCA	5.7527085	5.5485355	5.689837	5.494333	5.5313145	5.175611	5.914501	5.5954025	5.248329	5.942439	5.2471025	5.6166925
OR2S2	4.140533	4.351577	4.374205	4.51177	4.992538	4.574752	4.461116	4.829423	4.650559	4.532689	4.551673	4.302618
NOBOX	4.737988	5.475347	5.201202	5.009695	5.21703	4.94369	4.846411	4.545082	5.18256	4.965107	5.134081	5.099775
NAP1L2	3.625847	3.342971	3.080274	3.167699	6.076812	7.929977	9.688572	6.383701	3.14698	8.963181	7.136379	9.141532
MPP2	6.261368	6.6760315	6.66672	5.9994755	5.7483595	5.188005	5.5994165	5.535866	5.8634	5.8682615	5.523391	5.6629455
GDF3	5.471798	5.721976	5.454336	5.386604	5.471798	5.490502	5.735144	5.765318	5.279997	6.046211	5.457892	6.346303
RPL35	12.99123	13.00131	12.84491	12.90491	13.07314	13.25371	13.24128	13.09738	13.02382	13.04733	13.38532	13.16016

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
PDE4D	4.0309175	4.8454705	5.3219365	3.6730915	3.271219	3.5385245	3.0917695	3.344795	3.42626	3.3602285	3.939858	3.2917535
MST1R	5.641832	5.537068	5.59219	5.678705	5.252675	5.428546	4.958735	5.226927	4.982191	4.976723	5.279997	5.174839
HPCAL1	8.081367	8.055548	8.1661375	7.976823	8.754514	8.647479	7.816514	8.5389825	8.808074	8.0976465	8.83962	7.928808
FAM102B	7.377886	7.836804	7.961966	7.526866	6.818888	6.876391	8.416093	6.802801	7.538161	7.81881	6.421622	9.132463
HTR1F	3.71216	3.452441	3.497155	4.089209	3.739378	3.598271	3.516551	3.832326	3.857443	3.519355	3.821657	3.643113
WDR41	7.2117065	6.7875375	6.8520765	6.4718605	6.6883345	6.164448	6.7725885	6.631341	6.6932695	6.6654205	6.373764	6.838248
ARFRP1	7.2854095	7.1858835	6.8568755	7.110254	6.9807735	6.401488	7.0202165	6.978963	7.996494	6.9224945	7.5132015	6.70642
GNG2	5.712361	5.8847865	5.127084	5.806885	4.435076	4.6871695	4.04821	4.1901045	4.73689	4.6600135	4.71189	4.597487
RNF149	9.265888	9.473199	9.572886	9.368718	9.277361	10.49838	9.371539	9.353514	10.14624	9.136929	10.44398	9.183467
TMEM102	3.774674	3.84162	3.882326	3.845984	3.795135	3.686344	4.165325	3.896742	4.470547	4.255837	3.841893	3.433775
BCAN	4.6550435	4.8143145	4.7880895	4.9079025	4.955294	4.7765485	4.5734665	4.7597785	4.7701725	4.5200515	4.911598	4.462995
THAP3	5.4845885	5.6249965	5.498094	5.524388	5.617215	5.589429	5.4179715	5.55107	5.539987	5.7372975	5.7588865	5.694193
CHRM5	3.963131	4.368226	3.970658	3.860173	3.889677	3.699034	3.839213	3.74572	3.526583	3.27569	3.561696	3.557901
GSTK1	4.419108	4.572827	4.765835	4.623958	4.869798	4.888375	4.834144	4.721815	5.203039	5.499186	5.000704	5.795131
ICA1	4.7231195	5.162652	4.782827	4.9433275	5.448797	5.287713	5.085406	5.5259465	4.844943	5.414021	5.622861	5.274812
PTK2	6.092113	5.89971	5.291257	6.531378	5.369631	6.012868	5.144658	5.366722	6.34655	5.61982	5.448414	5.834734
PSG5	10.2181355	10.1908395	9.466394	9.067219	5.9147235	6.232582	4.8901255	6.192537	4.749043	4.4845125	4.920448	4.5357365
ITGA10	6.769347	6.077088	5.505546	5.96496	5.479315	5.424256	5.541992	5.607375	5.553746	5.471847	5.745295	5.416567
SLC20A1	10.0043585	9.009963	9.512161	9.1493075	7.2594345	8.037427	7.7604715	7.0341805	9.3704155	8.6224195	8.9073575	8.6946005
MYOZ1	4.638887	4.81904	4.06912	4.640937	5.768186	4.352603	4.459101	5.582506	4.403526	3.909055	4.388601	4.272326
DENND2A	5.656575	5.638159	5.854001	5.66023	5.854852	6.016642	5.373937	5.418097	6.571104	5.293234	5.657948	5.918973
FABP1	3.693497	3.592031	3.8562585	3.886817	3.685142	3.577512	3.6284285	3.567132	3.4998395	3.46239	3.527787	3.4930245
ADARB2	3.7815675	4.45426	4.1859685	3.902324	3.920502	3.8664985	3.7182885	3.871103	3.670922	4.0479115	3.9479145	3.748572
PARP11	4.339256	3.927773	4.612787	4.322872	4.366471	3.918603	4.056213	4.310953	4.448569	4.23826	5.050174	4.371791
KIAA1143	8.659453	8.6417585	8.6436385	8.6172055	8.654827	8.842797	8.842021	8.637087	8.638285	8.763965	8.5017385	9.0194295
RLN3	4.203567	4.615643	4.008738	4.112035	4.086505	4.172657	4.242144	4.038805	4.059248	4.032367	4.413667	3.82384
HDDC2	8.1372255	7.9519975	7.9560825	7.939345	8.9209845	9.151995	9.220198	8.9047335	7.2416885	8.407618	8.352396	8.550506
CYP4A11	2.955088	2.830085	2.959103	2.940527	2.748257	3.016246	2.955655	2.716731	3.055285	2.839046	3.11677	2.983511
FOXF1	5.095492	5.08863	6.484775	7.245039	4.325433	4.288475	4.114354	4.319805	4.399572	4.097746	4.739427	4.058408
ADAMTS9	4.333947	4.570624	4.5550115	4.6742835	4.5853445	4.715018	5.5814525	4.544191	4.842797	5.075795	4.8554855	5.2814385

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
OBSCN	4.862604	5.042636	5.402166	5.213571	5.150739	4.893569	4.981029	5.215371	5.105629	5.394778	5.204238	5.486595
CNTN2	4.4739395	4.9029005	4.6652945	4.4755275	4.581778	4.8356315	4.6855715	4.5301585	4.522426	4.5277985	4.7283665	4.554476
PCTP	7.59045	7.103828	7.447082	7.406525	7.097655	7.781358	7.943797	6.974105	6.947047	7.293925	7.741311	8.209046
SNX2	8.744798	8.64098	8.553094	8.717154	8.940069	8.994486	8.91118	9.005616	9.510719	8.487194	8.446208	8.642105
ERICH1	4.929743	5.069516	4.867869	5.181272	4.98152	5.215631	5.120802	5.051332	4.62039	4.747998	4.971904	5.028649
ALKBH8	5.6722175	5.334527	5.8223965	6.058445	6.112912	6.229682	6.944837	5.9862695	6.801144	5.672127	5.9007285	5.806649
NKAP	7.535734	8.037261	7.624454	7.770791	7.555978	8.119402	7.719028	7.599121	7.127563	7.595567	7.646057	7.77434
COX8A	11.47989	11.55745	10.7705	11.57685	11.703	11.41148	11.90062	11.65302	10.97908	11.71659	11.63021	11.59491
RALGPS2	7.019322	7.140613	7.016471	6.270107	3.447014	6.475476	3.671217	3.684776	5.9665	3.545888	4.556204	3.873607
WRN	7.546898	6.925402	7.142232	7.539277	6.945199	7.313535	7.610297	7.090016	8.10009	7.313613	7.352074	7.374917
NRCAM	4.1429415	4.04661	5.064056	4.691316	4.7459635	4.1213845	5.0900325	4.7014495	6.754457	5.508514	4.453804	5.789436
HERC2	6.4271205	5.791528	6.030741	6.138593	6.645559	6.8839405	6.5094305	6.559183	6.5386375	6.6269505	6.8374635	6.6650165
VPS13B	5.1984785	4.573357	5.279934	4.562468	4.702429	4.8678445	4.8455	4.922299	4.6320035	5.5050345	4.727048	5.6524775
CD81	11.91639	12.1964	12.26185	12.18523	12.56343	13.15125	12.24625	12.38669	11.72546	12.04667	12.53809	11.96181
PPM1E	3.189026	2.9678435	3.0263215	3.162952	5.2746515	4.661931	5.511186	5.254794	4.695901	7.104583	6.4476665	6.7353925
EXOSC7	8.3955735	8.142178	8.076251	8.393314	8.91587	9.1817315	9.2922095	8.882982	8.7438675	8.7777005	9.2226775	9.0207905
PTPRM	8.36488	8.026093	8.90346	8.102077	8.009306	8.770114	6.937046	8.220828	9.743291	8.070589	9.464499	8.119986
MYOZ3	6.003787	5.841313	6.046259	5.687727	5.828664	5.658233	5.545523	5.810397	6.224229	5.511642	5.470191	5.710418
DPF3	5.8419945	5.918681	5.8343595	6.2030955	4.4144945	4.7363815	4.756635	4.3798115	4.724601	5.464028	4.5507125	5.522103
OR51B6	3.480541	3.48462	3.935034	3.873289	4.090341	3.741776	4.150501	4.08057	4.120203	3.855934	3.883868	3.880566
ZNF607	6.068372	5.273977	5.615947	5.296168	4.879755	4.309013	4.010448	4.87251	5.037716	4.987299	4.650458	4.486619
NPTX1	5.932704	5.46819	6.865216	6.069932	5.309495	5.384326	5.043262	5.366723	4.892532	4.717698	5.255825	5.156855
KRT40	2.9597055	2.9581555	3.0653665	2.904809	2.855595	2.8109485	2.7551655	2.7641585	2.9333525	2.6379215	2.9218695	2.771764
ABCB10	8.388201	7.942231	8.597103	8.743992	8.102049	7.267005	8.878051	7.990666	7.39676	7.620449	7.372863	7.558235
MEIS2	9.529009	9.80671	10.33504	10.9932	8.623096	7.366808	8.623445	8.52438	7.39843	9.785457	7.740932	9.231581
PAK4	7.510891	7.857641	7.52089	7.051373	6.93946	6.901741	7.143703	6.848857	6.245672	6.870046	6.970952	6.874801
CCNYL1	7.62481	7.1151925	7.926599	7.640566	7.4441365	8.764948	9.612404	7.6281385	7.8691255	7.190714	7.2160905	7.3973185
HMGB4	3.419893	3.70612	3.515587	3.785297	3.432129	3.442217	3.3253	3.330755	3.273611	3.188592	3.456089	3.257856
MRPL16	9.392715	8.993977	9.287719	9.148922	9.71756	9.77146	9.81864	9.689755	8.75051	9.294343	9.526579	9.122528
GPR37L1	4.6151295	4.737351	4.7133205	4.5550455	4.7302955	4.71054	4.692783	4.735114	4.9025085	4.7269695	5.0436045	4.7679045

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
POFUT1	5.637003	5.8651165	5.607658	5.5291725	5.567154	6.051277	5.542136	5.551343	5.5187675	5.348428	5.7190505	5.50318
ANKRD29	6.512335	5.341405	6.35998	5.749521	3.980216	7.2844375	6.5625755	4.5072595	5.2901635	5.757496	5.2987425	5.9973695
FAM3A	6.68177	7.0011345	6.975384	7.0892545	6.5712335	6.9775205	6.7789385	6.397571	6.0467245	6.5994335	6.5509355	6.3721745
LRRK1	4.381583	4.687203	4.760995	4.178263	3.919305	3.917032	3.451952	3.846839	3.599801	3.974073	4.229116	4.085483
PINX1	6.406556	6.08452	6.140668	6.407266	7.357114	7.643822	8.038847	7.350941	6.441294	7.029215	7.742894	6.764871
RCBTB2	5.515609	5.2396145	5.3197025	5.548861	5.432086	5.1968525	5.012936	5.5005535	5.48922	4.904429	5.5331275	4.8451575
DDIT4L	9.943482	7.72929	8.011252	8.967496	5.160541	6.727577	5.469789	5.443475	8.036708	4.628265	6.204224	4.071534
KISS1R	3.852753	4.10042	4.308377	4.496214	3.797705	4.151978	3.646571	3.672649	4.076527	3.506164	3.587434	3.779524
RDH12	4.681109	4.96932	4.738637	5.132282	5.265052	5.084719	5.147315	5.047379	4.777378	4.91186	5.017703	4.540479
SLC35F4	2.753913	2.891405	2.925335	2.716006	2.584464	2.983233	2.499673	2.696987	2.673902	2.568037	2.55048	2.692092
BCL2L14	3.630868	3.602758	3.6258415	3.5520825	3.7000755	3.220409	3.4304465	3.7021785	3.4040655	3.3794465	3.301165	3.483376
GDNF	6.581339	6.3694345	6.7236715	5.543703	5.241594	4.9219625	4.850211	5.459896	5.773794	5.2482735	5.252106	4.6411365
CPN2	2.968579	3.57654	2.693762	2.7718	2.866801	2.817468	2.70861	3.213219	2.652484	2.73387	2.873433	2.759301
RPA1	9.583551	9.279657	9.167388	9.461955	10.1688	9.371855	10.28313	10.07711	9.472609	9.276037	9.624666	8.909782
SAP18	8.123924	7.658886	8.040516	8.24384	7.98662	9.244438	8.101599	7.844443	7.746884	7.633387	8.692615	7.877654
OGFRL1	7.881042	7.558324	8.05963	7.526114	7.576087	9.065325	8.260468	8.013001	8.522581	7.588761	9.651545	8.271774
KLK1	5.961928	5.63802	5.841627	5.86022	6.042567	5.798742	6.290422	5.745566	5.552116	5.774145	5.949914	5.719273
KLC2	5.8121715	5.8691275	6.0950285	5.826876	5.3299255	5.403424	5.6093515	5.350254	5.711054	5.741962	5.5839205	5.3115785
PSMD11	8.474906	7.9764215	8.2054015	8.4717945	8.3242935	8.6017545	8.773769	8.2961895	9.1260165	8.2908485	8.9136	8.216962
SEMG2	2.613238	2.94978	2.562348	2.517785	2.659702	2.323778	2.381964	2.46064	2.435709	2.324607	2.661967	2.256883
WDR19	4.925025	4.893177	4.915413	4.647604	4.549085	4.282185	4.752478	4.537817	4.840533	4.393572	4.607352	4.760369
PDZD8	7.589569	6.714709	7.542135	7.7320585	7.8567005	7.984518	7.9912055	7.77095	6.6688465	7.359221	7.1542325	7.5409065
SLC12A3	4.484797	4.72864	4.684107	4.981497	5.014049	4.735211	4.732908	4.624523	4.760407	4.516115	4.700621	4.704721
ITGAL	3.6920605	3.643739	3.7776075	3.5825325	3.65267	3.493445	3.589094	3.5420085	3.5749275	3.3317045	3.637182	3.516306
SMPDL3A	5.6903475	5.355512	5.915182	5.6571965	5.6309745	6.2832105	5.929827	5.463222	5.696366	5.5129335	5.873888	5.55394
GHSR	4.174584	4.265939	4.314723	4.147134	4.242699	4.236723	4.420601	4.082214	4.118582	3.860552	4.211452	3.969313
ANTXR1	7.712165	7.227443	6.6177	6.9658555	7.0691015	7.938648	7.4533585	7.032407	6.6403875	6.5745325	6.657262	6.4370905
SLC8A3	5.017188	5.0571785	4.894151	4.946383	4.835834	4.777702	6.1076885	5.0230035	4.9680245	4.7832105	5.0006225	4.850448
KCTD10	9.6418745	9.43709	9.697285	9.4811	8.5198095	8.9634935	8.7614965	8.6619775	8.256399	8.3869885	8.7436185	8.304585
TTC21A	4.109449	4.367319	4.2874085	4.2480115	4.377231	4.3664625	4.303547	4.3688195	4.5312715	4.507744	4.4508445	4.6077025

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
PCBP1	10.95823	10.99372	11.13211	10.92595	11.1401	10.80931	11.48918	10.91532	10.63114	10.65372	10.55809	10.33288
NANS	6.3198495	6.2077515	6.419839	6.521776	6.4579995	6.76366	6.5058195	6.456737	6.2709315	6.4418135	6.4337165	6.7719815
CPA2	4.798915	5.028008	5.405165	5.187635	5.567644	7.583994	5.461484	5.721581	5.295294	5.08231	5.855084	5.199085
WFDC10A	3.932957	4.030514	3.705231	3.925882	3.939575	4.170516	3.969964	4.02905	3.972938	3.760331	3.878268	3.46525
ASB5	2.60923	2.348019	2.424497	2.729929	2.524784	2.52988	2.555933	2.554478	2.696296	2.520304	2.741452	2.351645
TBC1D7	5.3679385	5.068986	5.2378055	5.615523	6.1898535	5.8801425	5.967765	6.101227	6.2437185	5.71309	5.952383	5.5475555
GUCY2D	4.729163	4.836841	4.538568	4.873029	5.058392	5.080176	4.749505	4.982113	4.764369	4.363102	4.78037	4.455338
MRPL52	7.3490905	7.320861	6.703582	7.3999275	7.2568185	7.530146	7.350029	7.544296	7.9126955	7.5011545	7.6328385	7.762464
FBF1	5.726746	5.7838	5.435505	5.8327785	5.4458475	5.1220015	5.387828	5.324605	5.3470965	5.6738265	5.540219	5.571914
STK31	3.475628	3.526838	3.400669	3.096847	3.265178	5.837659	3.368144	3.364977	3.558711	2.800353	3.64737	3.304772
STK40	6.0680225	6.1304925	5.8442235	5.932084	6.406598	6.4385855	6.224581	6.303495	5.896321	6.062661	6.54347	6.072438
TAF1A	6.893034	5.966045	6.041236	6.629082	7.44328	7.981767	7.581199	7.384545	6.467603	6.404012	7.455192	6.789379
KCNJ8	8.215575	7.7800065	7.149592	7.452171	4.3084255	4.7002265	4.97495	4.672506	5.5231885	5.253585	4.6590895	5.004159
SELENBP1	6.549828	5.659139	6.414673	6.617286	8.646735	7.263805	8.730474	8.311369	4.418279	7.581457	6.727918	7.791007
TRMT12	7.060314	7.011603	7.351304	7.496469	8.063469	8.627229	8.019589	8.153088	8.63879	8.002369	8.733105	7.995945
ST6GALNAC6	7.374314	7.457138	7.458146	7.674246	7.327005	7.154779	7.225372	7.29462	6.4742	6.797314	7.17311	7.099785
ADAM3A	3.175331	3.00422	2.803454	3.034788	2.908594	2.941298	2.751182	2.591132	2.877965	2.794824	2.7722	2.682181
PLEKHF1	7.612986	7.542575	7.182378	7.150461	6.512651	6.692323	5.823083	6.506974	7.53422	6.063954	7.579449	5.298804
ARMC10	8.3487725	8.4349405	8.6864375	8.5755675	8.5973365	8.5347415	8.703141	8.6008105	8.242441	8.679698	8.7557115	8.5426185
ZNF274	7.2956595	7.0899775	6.9094385	6.831412	6.756048	6.6841755	7.019773	6.862887	7.271998	7.7318465	8.002243	7.639556
ST6GALNAC1	3.781822	3.996929	3.892149	3.95626	4.058417	4.124321	4.200454	4.011116	4.01205	3.903696	4.093575	3.813092
ZPLD1	2.921573	2.829554	3.0431865	2.801759	2.9822715	2.9838385	2.719588	2.929561	2.9271805	2.8085055	2.99332	2.763824
PAX2	4.491846	4.3869715	4.3752435	4.3912985	4.347798	4.5955245	4.3686525	4.3673495	4.4944975	4.143219	4.531379	4.3661295
BTC	2.6499525	2.3844365	2.581034	2.515201	2.795238	4.33544	2.4314865	2.763761	5.5545125	2.4861495	5.5407545	2.8295145
DPM1	10.92187	10.79175	11.14223	11.17263	11.1437	11.26772	11.16919	11.13309	11.10102	10.32018	11.21807	10.17076
PCK2	8.211115	8.294168	8.978848	8.465478	8.071314	8.147562	7.785424	7.877914	8.910612	9.407421	10.19109	9.882534
MRFAP1	12.60767	12.45955	12.72769	12.74987	12.70531	13.00169	12.88657	12.7281	12.50868	12.48717	12.85554	12.45419
SNRPA	9.344189	9.567379	9.212379	9.287699	9.274861	8.457481	9.516264	9.019711	7.680652	9.316666	8.240623	9.296151
SOD1	12.14621	11.84734	11.88266	11.9448	12.44949	12.10065	12.40343	12.31093	12.0512	12.24477	12.37104	12.30908
RPL11	12.98492	13.09348	13.04248	13.04963	13.30814	13.23587	13.2923	13.32987	12.58083	13.14906	13.22771	13.13356

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
DNAL1	4.824026	4.570916	5.006165	4.331532	4.441335	5.197375	4.363739	4.416071	4.818151	4.13773	4.789441	4.318908
TGFA	5.516637	4.535009	4.628792	5.58898	4.606288	5.706773	4.392755	4.532559	4.595659	4.360147	6.093875	4.395903
ASB14	4.1206545	4.087712	3.985174	4.1607065	4.022894	3.9270865	3.98439	4.1144275	4.021069	3.878835	3.90449	3.953499
RCOR2	6.060918	6.194753	6.383431	6.123959	6.648833	6.286399	6.675238	6.23703	6.096164	6.861085	6.686548	6.843849
RFK	7.458651	7.2065195	7.8848515	8.238519	8.3139565	9.6988685	9.807802	8.5169645	9.2448885	8.075663	8.893423	8.188175
SKIL	4.431724	4.393313	4.817111	4.389417	6.934509	5.610281	7.228796	6.791749	7.110584	5.734236	6.258674	6.505233
OTC	3.868715	3.176869	3.356087	3.446844	3.381429	3.356087	3.184289	3.498466	3.269554	3.356087	3.340933	3.278242
P2RY14	2.374522	2.536352	2.312359	2.354225	2.307166	2.505343	2.325563	2.409259	2.548474	2.484362	2.485278	2.349516
EPSTI1	6.8204515	6.8999885	6.2863625	5.9848985	6.0482435	3.957823	5.087866	6.137594	9.2565335	4.5255595	8.54637	6.247627
SCRT1	4.3415125	4.688729	4.48399	4.210999	4.5490915	4.477389	4.3272135	4.666756	4.584263	4.2025635	4.6413485	4.301079
SIRT3	6.699859	6.747749	6.746589	6.453929	6.718174	6.133268	6.862925	6.712801	6.762284	7.168661	7.197786	6.684646
GALK2	5.908639	4.805415	4.697183	5.242429	4.957531	6.127189	5.61713	4.982058	5.265877	6.693966	5.251211	6.066505
TAF1	5.995131	5.913164	5.766806	5.490909	6.089102	6.250402	6.253554	5.972357	5.708689	5.907997	5.66517	6.124052
MC1R	5.235104	5.379963	5.1003445	5.20846	5.4132075	4.4843655	4.719168	5.535071	4.9137415	4.889568	4.972241	4.9991
MTA1	6.7829225	8.1628805	6.9900715	7.2317135	6.7197165	7.0136085	7.0825985	6.6015945	6.2695855	7.251746	6.681301	7.3232115
PLTP	6.827987	7.919974	6.918286	6.52117	8.911757	10.02861	7.990127	8.973114	8.826296	8.834349	10.26973	9.823999
CYBRD1	10.1615695	10.3134085	10.235096	9.7767765	9.324434	9.179583	8.1489345	9.18119	9.682531	7.368834	7.5591385	7.429734
FLG2	2.776216	2.868371	2.935329	2.873237	2.83968	2.580425	2.740643	2.740643	2.877205	2.775089	2.787323	2.512836
PRKDC	8.522343	7.907528	8.140562	8.1857	9.193106	9.068066	9.292001	9.030041	7.728486	9.255033	8.138862	9.18882
TACC2	4.6176355	4.5968535	4.8984995	5.209869	5.0610805	5.774622	5.558255	4.8291205	4.904582	5.4259825	5.765401	5.4684075
LAMC1	11.154465	10.85219	11.13919	11.101385	10.69067	10.819915	10.72816	10.81444	10.39478	11.12946	10.73231	11.27462
CACNA2D1	7.5632445	7.1742015	7.4960985	7.5042325	7.7852295	8.2984085	7.904292	7.6968735	8.226211	8.2373315	6.761094	7.789413
PARP8	4.408189	4.3598635	6.2642975	5.263494	6.479085	5.355731	7.525214	6.371202	7.2874675	7.531827	5.9642825	6.9119975
ZNF597	4.9764015	5.0543345	5.295772	5.32129	5.0579835	5.410137	4.967622	5.2132815	5.560313	4.6777805	5.0925785	4.2815285
STK39	8.857388	8.064787	8.520061	8.974112	9.066458	9.667225	9.547781	8.954238	8.882858	8.675663	9.27792	8.637683
MOBP	3.835767	3.806347	4.022028	3.941448	4.079686	3.795551	3.773076	3.892365	3.735129	3.892084	3.79793	3.919185
RARB	4.287971	4.815648	4.612197	4.88677	4.854414	4.818151	4.541601	4.800497	4.851567	4.695181	4.748895	4.568164
TSGA10	2.94021	2.779254	3.000248	2.746419	3.567063	4.496589	3.318823	3.691011	4.114353	3.700776	3.370033	3.967856
MAGEA6	2.799658	3.089708	2.736066	2.854052	2.643829	2.793061	2.770918	2.793106	2.928672	2.776123	2.953716	2.75547
SLC16A10	2.853719	2.879456	2.818939	2.909405	2.842744	2.931014	5.317371	2.923224	2.724678	3.161328	3.329677	4.141841

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
POLH	5.877573	5.873523	5.601906	5.890912	6.580963	8.1158715	6.938029	6.949299	6.191819	6.0345615	6.798678	6.566106
DNAJC5	7.010577	6.4897495	7.1730325	7.418781	6.8309195	7.0058365	6.687792	6.8878475	7.003877	6.6183135	6.8722395	6.3237215
COPZ1	10.0215605	10.0382545	10.119083	10.213665	10.143141	10.0492095	10.265777	10.1341115	9.751756	9.5222885	9.9624685	9.501192
MEF2D	6.1596	7.087461	6.002206	5.977746	5.79108	5.899113	5.918053	5.863408	5.287756	5.992794	5.8496	5.874467
ZDHHC4	6.7478175	6.7772705	6.944359	6.94513	6.5803095	6.285902	6.441882	6.762776	6.601708	6.5972105	6.6534725	6.120556
SCAND1	8.674781	8.459611	8.874687	9.29424	10.01871	9.643007	9.779446	9.969864	9.657576	9.472754	9.616892	8.95129
APOC2	4.473249	4.640197	4.3068235	4.5424775	4.727264	4.5498505	4.6509575	4.689268	4.397146	4.5991815	4.650531	4.3143655
TEKT2	4.935561	5.652701	4.823675	5.080123	4.852849	4.85171	4.97479	4.987123	4.95437	4.418533	4.828493	4.876745
PKDREJ	4.482481	4.24387	4.512717	4.285412	4.74534	4.480044	4.568162	4.41819	4.620023	4.404991	4.543212	4.102753
DCTN4	8.718964	8.533209	8.665947	8.562561	8.701657	8.725319	8.995209	8.651023	8.290843	7.568007	8.119899	7.153625
NPAS1	6.029154	6.6002485	5.8769185	7.063075	5.686186	4.949166	4.6351025	5.484673	4.976547	4.666761	5.0911425	4.4433085
RHOBTB2	6.2310905	6.3076175	5.9307275	6.464318	5.950435	5.5267345	5.466606	5.9719575	5.8797315	6.0615925	6.050382	6.2247675
SLC1A5	9.498671	10.15188	10.28882	9.975915	8.551369	8.861819	8.784088	8.364072	8.96808	9.171801	9.563671	9.041794
SORD	6.877821	7.02936	6.726324	7.418697	8.029331	8.88542	8.696093	7.866625	7.278152	6.877537	8.345037	7.119358
ZMYND19	7.948575	8.211232	8.581613	8.299949	8.417725	9.24281	9.132287	8.273672	8.927938	8.793938	9.334646	8.978949
SNRK	2.800515	3.050507	2.981987	3.073368	2.970251	2.944275	2.867691	2.696017	2.921017	3.469656	2.897727	5.110913
OCLN	3.9064845	4.163018	4.246419	4.151728	6.0827805	7.0812345	7.640562	6.2967465	5.9210845	5.9871005	4.3179985	6.45889
MYL7	4.756016	5.254554	4.843492	4.992373	5.141833	4.763196	5.039894	5.086452	4.853448	4.47256	4.736184	4.732709
ZNF646	4.960897	5.419927	4.968311	4.893056	4.823142	5.028514	4.972813	4.942444	5.031538	4.910285	5.048232	4.975822
RASD2	6.019489	4.69345	4.972374	5.257962	4.734817	4.522674	4.204845	4.49965	4.274224	3.953753	4.55086	4.690053
PDXK	7.277867	7.610636	7.5755305	7.674647	6.7815365	7.173489	6.9236045	6.8713325	7.1934055	6.951036	7.2754155	6.9385955
ALKBH3	7.345885	7.527392	8.075436	7.93475	7.877755	8.313398	7.323428	7.741664	8.417835	6.928415	8.659958	7.185496
OR7A5	4.808127	5.31877	4.697636	4.804274	4.957682	4.472641	4.668886	4.853021	4.706192	4.889938	4.755755	4.705645
MLF2	10.13482	10.32407	9.699243	10.08349	9.839461	9.800274	9.837535	9.699134	9.226011	8.706825	9.03457	8.811713
EDARADD	3.562762	4.728648	4.118005	4.64044	4.060158	3.847066	3.900518	3.99956	3.577646	3.568333	4.381582	3.470627
NPFFR1	6.092754	5.761179	6.176585	5.967169	6.018384	5.627131	5.92694	5.921603	5.636592	5.644976	5.915332	5.317043
LYL1	6.324662	7.242886	6.883515	6.269666	6.180197	6.022102	6.098697	6.364997	6.006008	6.053415	5.887656	5.652672
SETX	7.694745	7.455347	7.919391	7.108741	7.359262	7.201612	7.319785	7.243255	7.364525	8.025762	6.823982	8.089762
RGL1	7.919261	7.815136	8.452065	8.141682	9.72128	8.585746	9.35636	9.836419	8.128678	10.66749	8.45897	10.72645
MPP1	7.438546	7.594479	7.281685	8.354122	5.996844	5.665906	6.179693	5.389055	6.871969	6.582266	5.793624	5.716395

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
ADH4	3.3056035	3.1242615	2.962304	2.9203585	2.917255	3.0510955	2.8380695	2.772125	2.986996	2.998968	2.805444	2.7954495
TMEM62	5.404105	5.419515	5.459978	5.4270755	5.221218	5.1596105	4.8805765	5.322029	5.6692645	4.71653	5.4806415	4.3104915
CTSF	8.284207	8.847893	8.603415	7.853583	9.308247	8.952314	8.274167	9.260825	9.512488	8.308397	8.639585	8.389127
ATG4C	6.914142	6.520027	6.438517	6.963907	7.399668	7.788072	7.750617	7.322964	7.683969	7.374313	7.381714	7.778832
GDAP1	5.739987	4.442565	4.806826	5.739026	5.804605	6.921553	7.890303	6.010746	7.408983	7.800703	7.276815	6.902331
SLC25A1	8.508718	8.778076	8.361056	9.118725	9.19079	9.099494	9.251876	9.093946	8.917083	8.968299	8.303456	8.54072
CNBP	9.2109325	9.193279	9.487349	9.3074315	10.0699045	10.650214	9.9515395	9.9873395	10.314954	9.681516	10.459781	9.675504
MVP	9.782998	9.427775	9.573581	9.733914	8.54582	8.406522	7.127563	8.517243	9.659752	8.395208	8.772216	8.076915
PLD4	4.133848	4.3452025	4.255139	4.0479005	3.8944825	3.9508875	3.9493505	4.006344	4.0029975	4.0639185	3.9861725	4.0328915
SLC39A14	5.626199	5.931757	6.0112285	5.0285335	5.400537	5.60045	5.4458435	5.579008	4.8136395	4.5697525	4.794011	4.441213
RECQL4	6.838726	6.996626	6.8018445	7.176461	6.8890995	6.1827755	7.2636685	6.7962805	6.3146625	7.102746	6.444561	6.8699575
CRB3	5.151635	5.72628	5.256833	5.462083	5.263337	5.181539	5.127853	5.200732	4.996713	4.863351	5.229784	5.269301
F8	6.781357	6.561898	7.206123	7.373529	6.811639	6.95723	6.540538	7.092914	6.902519	6.613265	7.686756	6.940481
CDO1	4.1387175	4.1994865	3.9195745	4.340791	4.55574	4.0306335	5.1270575	4.246949	5.4827075	4.757654	4.3705015	4.3687755
CD226	3.062782	3.235036	3.051906	2.929729	3.030145	3.121796	2.901085	2.892334	2.950299	2.808463	3.017748	2.819727
IL18RAP	4.310767	4.444533	4.500473	4.341294	4.289742	4.310098	4.750392	4.387527	4.340599	4.387527	4.843992	5.936868
ECM1	10.09856	10.51397	10.72548	10.2101	7.928686	10.11368	7.542649	7.685157	5.579312	7.631395	9.836828	7.837228
CST6	4.4197675	4.504439	4.9049005	4.8512005	4.373815	5.8707495	3.922563	4.255185	4.1056215	3.9097965	4.3959325	3.9033315
TRIM33	7.4265815	7.1664165	7.15227	7.3302955	7.5826245	7.956077	8.429043	7.508457	8.181531	8.221052	7.09219	8.124649
PPARGC1A	3.3604385	3.46208	3.36603	3.4262325	3.879345	3.936907	5.080186	3.8673515	3.4115835	5.5340525	3.899786	6.161224
TTC6	3.228068	3.106089	3.114185	3.225186	3.535882	3.300042	2.988198	3.381508	3.232748	2.931767	3.089708	2.961445
PDCD2	6.261051	5.346908	6.391764	6.236315	6.921961	7.738049	6.924914	6.764285	6.566221	6.201303	7.214011	6.723946
INPP5F	4.739039	4.589566	5.018892	5.771222	4.885137	4.442065	5.626966	4.865265	4.884224	5.185191	5.32575	5.217715
CFLAR	7.652879	6.9432815	7.4106995	6.4530425	6.1379755	6.2146875	5.9543445	5.971459	7.4875445	6.116015	6.6283415	6.6804295
ATP11A	4.3792385	4.444241	4.3828215	4.0097645	4.5290315	5.5112995	4.524127	4.765166	4.072257	4.2885845	5.1995875	4.379098
CYB561	6.919294	6.805335	7.206841	6.914094	5.887476	6.714397	5.923725	6.260995	7.133371	5.635047	6.47317	6.091997
AP1G1	8.539752	8.481705	8.479002	8.687028	8.37564	8.120238	8.34402	8.451554	8.077698	7.994293	7.997269	7.348596
KCNK3	4.768014	4.390489	4.818006	5.078629	5.478666	4.936729	5.089928	5.127297	5.933452	4.762563	4.925364	5.149156
CUTC	7.281906	7.566108	7.685463	7.557573	8.985765	8.53484	8.353426	9.152907	8.587523	7.377851	8.454518	7.53543
CEACAM19	6.861423	6.933926	7.325941	6.832705	6.840398	6.608747	6.851185	6.95752	6.938246	6.666456	6.983537	6.851719

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
RPL7	13.18184	13.20892	13.15125	13.28979	13.35414	13.36662	13.4112	13.38192	12.92914	13.2773	13.29795	13.19174
ETNK1	7.257536	6.6333655	6.853399	7.4144565	8.5106775	8.8673775	9.5078195	8.5794135	6.812984	8.1273655	7.3712275	8.433627
MEIS3P1	8.358236	8.011018	8.067932	7.908614	7.5357	7.550807	7.524284	7.618361	8.449502	7.490043	7.555845	8.177114
YBX2	5.14745	5.209807	4.901746	4.637455	4.948229	4.836653	4.393257	4.811687	5.422188	5.059026	5.24555	5.207273
SLC5A12	2.468173	2.774689	2.708743	2.702907	2.596782	2.490601	2.373109	2.552734	2.386553	2.66478	2.350132	2.494557
LYNX1	6.2996285	6.154675	6.2774525	6.8160175	6.244701	6.26352	6.201232	6.270498	6.3949215	5.8585265	6.0710635	5.713386
PSD	4.882947	4.925156	4.470345	4.678732	4.886818	4.787471	4.66218	4.634066	4.377004	4.609256	4.537817	4.894941
EXOSC6	6.247633	6.688785	6.8109655	6.983716	7.670046	8.313081	7.8543775	7.584515	8.3583115	7.7335455	8.4801835	7.878631
WFIKKN1	6.45071	6.90015	6.441619	6.623417	6.74617	6.423692	6.452349	6.766364	6.423692	6.321109	6.328856	6.107675
PRAMEF10	4.924953	4.850166	4.874626	5.120356	5.193824	5.17484	5.125752	5.31038	5.107494	4.597935	5.178054	4.749495
SUSD4	4.740601	4.314291	4.318814	4.614206	4.957331	4.495712	5.067796	4.75857	4.901871	6.476735	5.456894	8.450937
WDR75	8.262976	7.867693	7.84539	8.095943	8.869078	8.939333	9.012385	8.811877	8.364983	9.127077	8.668318	9.199409
MAPK8	6.067271	5.964474	6.498478	6.341276	6.583906	6.062092	7.045871	6.353144	7.016393	6.63843	6.196816	6.412214
ZNF383	4.981829	4.674849	4.661587	4.513707	5.184692	5.322156	5.158532	5.119288	5.366722	5.61672	5.302636	5.103642
NANP	7.951737	8.126036	8.557441	8.122908	8.142762	8.557144	8.38872	7.963377	8.293082	7.187744	8.12386	7.296245
KCNA2	3.6096205	3.622329	3.6512015	3.7024845	3.655325	3.525644	4.146925	3.636026	3.5930065	4.585444	5.278711	4.604483
IMPA1	9.499856	8.941568	8.887197	9.084118	9.412276	9.714104	9.544124	9.356069	9.855417	9.125975	9.10343	9.195754
SMPD1	7.362648	7.780544	6.912685	7.289769	6.765934	7.604748	6.256459	6.725014	6.062027	5.318884	6.68787	5.246102
TBC1D24	6.290629	5.6684915	6.394455	6.3977365	6.1414415	7.153251	5.9600055	5.925589	6.256386	6.541575	7.2968795	6.772271
FBXL4	6.616658	6.437538	6.402298	6.462369	6.276832	8.42746	6.486154	6.205159	6.775379	6.123744	6.805189	6.919083
NUP37	7.4339995	7.108539	7.1828805	7.344797	7.617282	7.1628835	7.71624	7.4783855	7.4942175	6.9820515	7.0663395	6.6255575
MFAP1	9.770594	9.351232	9.58398	9.987263	9.73613	9.796587	9.631019	9.729195	9.796985	9.059305	9.631645	8.764196
TNFRSF12A	10.37373	10.81995	10.38331	10.1187	9.681091	10.32881	8.636496	9.771236	10.70344	8.975616	10.67941	8.337992
PIK3R2	5.808669	6.17359	6.01014	5.87235	6.644274	7.209834	6.174027	6.473232	5.538157	5.861623	5.51956	5.893816
AAK1	4.746315	4.613705	4.709849	4.619141	4.882706	4.635558	4.918592	4.778395	4.722492	4.672375	4.782288	4.951057
PHF13	9.752063	9.961876	10.02702	9.435404	8.250177	7.636868	7.95562	8.096881	8.599821	8.721401	8.227352	8.583753
CIDEB	5.63181	5.718192	5.641794	5.579264	5.700449	5.205754	5.599819	5.927967	5.37904	5.353078	5.722408	5.380646
GAS2L2	6.176324	6.248511	6.368266	6.4606	6.090657	5.956742	6.095122	6.050499	5.98489	5.944085	6.181157	5.359205
MMAB	5.073045	5.387928	5.233367	5.918409	6.007676	7.266827	6.342545	6.042382	6.848877	5.707537	6.065584	6.143932
LAPTM4A	12.33606	12.34046	12.39306	12.51579	12.33639	12.90623	12.48615	12.25693	12.84106	12.2674	12.37441	11.95307

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
THAP2	4.816111	5.035728	4.251178	5.106839	4.595618	5.38679	4.660473	4.774503	4.826725	4.383881	4.488274	4.128275
NEO1	6.814847	5.496449	6.872257	6.552183	8.052164	8.073728	7.647458	7.941235	8.507959	7.420463	7.547654	7.054542
TNKS1BP1	7.146453	7.708591	7.115454	6.658823	5.760926	6.299205	6.020224	5.392181	5.745822	6.688318	5.988287	6.518068
CRTC2	7.474421	7.616929	7.487839	7.253555	7.260269	7.570127	6.977732	7.159958	7.260269	7.336258	7.330821	6.900001
L3MBTL4	3.2443285	2.9757215	3.1120665	3.134404	3.2433575	3.3504665	3.2909815	3.08045	3.3058405	3.1507705	3.2644425	3.1437615
SLC35F3	3.326537	3.346621	3.3740085	3.962978	3.5343705	3.2124325	3.4657645	3.2276065	3.17966	3.0253545	3.28775	3.4235295
ZNF630	6.045341	5.261978	5.122576	5.337366	4.588066	4.798075	5.345074	5.23868	4.712287	5.154766	4.147847	5.22594
ELMO3	4.818028	5.330109	5.000278	4.952465	4.781472	5.364446	5.404961	4.648792	4.990832	5.059616	5.150733	4.801141
ACTR6	4.900696	4.482596	4.673822	4.650293	4.768049	4.736635	4.669915	4.875357	4.652427	6.084204	4.897358	5.874467
UBL5	10.99856	10.58675	10.44798	10.89155	11.27961	11.26857	11.03188	11.37457	10.35864	10.67606	11.14287	10.7558
FAM71A	5.910585	5.822306	5.654893	6.094871	5.203228	5.360005	5.404743	5.31127	5.545995	5.152154	5.535287	5.073509
PSMA2	9.6961325	9.064166	9.2749825	9.725749	10.2336565	10.454556	10.450715	10.20461	9.9835815	9.263585	9.661041	9.2041855
NKTR	4.0031245	3.5119005	3.6309105	3.24098	3.5195455	3.2452345	3.507647	3.578101	3.2334945	4.7707615	3.5225535	5.2797805
OMG	3.6356555	3.6472475	3.7258725	3.710004	3.831113	6.3574125	6.0739605	3.8889175	3.681171	6.0905445	6.536936	7.535745
YTHDC1	5.181571	4.69944	5.261129	4.634066	4.934417	5.065519	5.191075	4.959898	4.803183	5.367403	4.620265	5.174839
CCL18	4.023438	4.1602735	3.962963	4.109702	4.1915275	3.898198	4.0100085	4.1251865	3.9479845	4.806867	4.103711	4.514719
FAH	6.144434	6.196393	6.140827	6.6026125	6.0550235	6.612676	6.6091215	6.156483	5.8278895	6.53457	6.552313	6.7078285
BMP8B	4.491074	4.154795	3.76171	4.520263	4.695091	4.679829	4.617994	4.655056	4.826786	3.990529	4.769464	4.444625
BIN2	5.478251	5.284708	5.58904	4.980831	5.134624	4.948258	5.53175	5.256279	5.019336	5.291677	5.11558	5.042778
OCIAD2	6.683645	6.780212	7.74315	7.694457	8.8027	9.14747	8.466348	8.694951	8.600009	8.582865	7.838319	6.025163
GFRA4	3.9735645	4.596816	3.9458285	4.2208855	3.923222	3.8866715	3.864875	4.150066	3.852205	3.8410845	3.9517125	3.687633
MAFK	6.3457835	6.979413	6.975628	6.5294555	6.0278585	7.639367	6.2499495	5.9632255	6.513483	6.130551	6.9291115	6.044894
CHD7	4.3859065	4.6067095	4.6601895	4.6271915	5.904451	6.7733645	6.5382215	5.873775	5.0812805	6.7778015	6.339372	6.873021
CACNG6	6.1554375	6.485418	6.3574245	6.474869	6.5504285	6.4579425	6.199887	6.5882785	6.4170965	6.1489725	6.566823	6.134262
ARMCX6	7.857446	7.851314	7.8986865	7.878138	7.7143445	7.2257685	7.551477	7.810327	7.833624	7.965547	7.6067	7.8667815
CATSPER2	3.4338135	3.6989135	3.8318625	3.6317695	3.4813475	3.4060775	3.448219	3.6139915	3.577833	3.5158015	3.414856	3.824312
SCN4B	3.401612	3.399624	3.466954	3.355288	4.355679	4.835303	3.355288	4.56515	3.524085	4.882984	3.865362	4.80923
DPY19L2	3.0140375	3.058376	3.276708	3.2437075	3.2763875	3.596082	7.5102275	3.160131	4.324827	6.697954	3.218269	6.7348795
FXYD2	3.582597	3.707645	3.570598	3.5099185	3.661705	3.5820965	3.5313605	3.6055525	3.604965	3.5852605	3.6179275	3.5534515
CD7	4.8065795	5.181594	4.797405	4.850631	4.4489465	4.9380915	4.49773	4.514617	4.4833705	4.3911305	4.496925	4.482923

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
SLC5A7	3.4541975	3.932629	3.7679985	3.94001	7.254136	6.4119995	7.315862	7.2911945	3.9088955	8.579389	4.253051	7.293277
BDP1	4.233417	4.223891	4.624828	3.994249	4.083597	4.12628	4.496986	4.122649	4.025506	4.362982	4.083597	5.315323
SCUBE3	7.727423	7.370887	6.7251225	7.6488705	5.20458	7.0133235	5.710141	5.4783275	4.885859	4.9461365	6.363031	5.8682345
OR2C3	2.618167	2.625459	2.654841	2.343852	2.65743	2.796196	2.681484	3.103186	2.540514	2.664356	2.671516	2.780148
HOXB8	3.1820695	3.320177	3.1426415	3.2123295	3.3196325	3.2518215	3.2178055	3.343507	3.200376	3.799337	3.279741	3.30103
MS4A7	2.526607	2.672197	2.687518	2.571935	2.587493	2.563335	2.707974	2.666777	2.920312	2.63831	2.807336	2.950606
ADAM6	4.263955	4.262022	3.882514	4.27333	4.537424	4.085394	4.221383	4.079679	3.994858	3.940691	4.262022	3.954837
SELL	3.327423	3.049655	3.021881	3.304339	3.296039	3.316106	2.985922	3.346613	3.107605	3.726012	3.524068	3.250396
YARS	8.205042	7.940168	7.982221	8.0191305	7.79518	7.789845	7.7232355	7.820203	8.434294	8.232524	8.771203	8.6246705
LRRC45	5.698311	6.212843	5.827327	5.723778	5.878413	5.592368	6.065896	5.81188	5.728161	5.979453	5.996249	5.70072
AKAP8	7.7722515	7.6778485	7.595687	7.690015	8.0580385	8.5859485	8.120176	7.986813	7.9240645	7.5353665	7.813389	7.5538735
LPO	4.323019	4.533283	4.489782	4.723711	4.66625	6.870905	4.545161	4.720761	4.302903	3.945228	7.105735	4.131506
SPTBN4	5.44144	5.700449	5.354721	5.419048	4.910285	5.013261	4.7118	4.843987	4.936346	4.746185	5.047411	4.739795
TMEM9	8.7095165	8.667758	8.894125	8.530758	9.2043395	8.639656	8.80807	9.1173215	10.47717	8.9966705	8.8615155	8.6079625
USP25	5.7578	6.509532	6.0422	5.204801	6.010928	5.667311	6.304378	6.029513	5.935983	5.218175	4.2912	4.704427
NUP210L	2.862038	2.955087	2.94319	3.117378	3.248399	3.205991	2.937559	2.908226	3.083873	2.727348	2.784361	2.964201
RNF183	4.368596	4.832436	4.735454	4.943508	5.062825	4.932255	5.00808	4.883075	4.673565	4.585526	4.812597	4.864094
SEMG1	2.873678	3.033596	2.908366	3.013634	2.87343	2.826463	2.722701	3.077846	3.078877	2.673828	2.901136	2.866736
ADAMTS18	3.799421	3.886607	4.114275	4.232269	4.101951	3.772591	3.93393	3.792437	3.660069	3.564541	3.891768	3.78819
LAMA5	6.001969	6.20847	6.467532	6.188321	6.847111	7.505149	6.94672	6.807316	8.183757	7.67009	7.504957	6.880956
LRRC18	3.837823	3.946306	3.883785	3.67248	3.774472	3.791838	3.698389	3.791838	3.788086	3.76076	3.93113	3.724
KERA	2.32986	2.601532	2.450279	2.647979	2.690569	2.695481	2.526438	2.555524	2.488796	2.306337	2.429172	2.450279
SMCP	5.256066	5.547869	5.060921	5.244414	5.066439	6.694551	5.195424	5.204092	4.892539	4.928119	10.69379	5.194004
KLC3	6.133138	6.624857	6.414186	6.285667	6.388343	6.338788	6.215218	6.17333	6.347861	6.035347	6.29249	5.762105
GJB1	5.81431	6.143446	6.200305	5.91246	6.165042	5.800161	5.708406	6.060692	5.920963	5.49347	5.922511	5.43846
LOC284379	3.240864	3.565093	3.322814	3.452705	3.097138	3.025724	3.01229	3.075187	3.057416	2.938489	3.089708	3.070746
ABCA12	2.931689	2.995466	2.987791	2.879456	2.73571	5.641863	2.641977	2.869382	2.837044	2.63922	4.926718	2.860228
KLK12	5.670225	6.179913	6.078592	6.179005	6.150108	5.94558	6.355709	6.280708	6.00942	5.827525	6.389683	5.743823
TXNDC11	7.243899	7.149011	7.70997	7.368325	6.502445	7.436481	6.854204	6.477209	6.472814	6.282312	6.612255	6.145227
RHOBTB3	8.3116405	8.578219	9.100706	7.6043505	9.1328195	8.2487995	9.049399	9.0912955	9.2057175	7.8231995	7.2669165	8.1926765

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
IL15RA	6.391703	6.531064	6.422341	6.051854	6.550028	8.594316	5.542433	6.926717	7.662647	5.871084	8.911528	5.247213
CHMP2B	8.957394	9.218159	9.317488	9.291094	9.232421	9.404842	9.083108	9.302239	9.76231	8.646311	8.386962	8.432753
NDUFS4	6.729241	6.542095	6.389357	6.4736625	6.3167635	6.055487	6.2313465	6.356791	6.279305	6.3419605	6.3188895	6.6266465
FMO1	4.187579	4.291418	4.16803	4.151105	4.247603	4.088806	4.124939	4.343008	4.337449	4.361013	4.334643	4.134282
TDRD5	3.270001	3.391183	3.31561	3.242106	3.098934	3.113906	2.988324	3.569236	3.424662	2.992913	3.382009	3.109011
IMMP2L	5.3142985	5.2864235	5.4480945	4.9853095	5.554123	5.846259	5.4334025	5.7650535	5.089096	6.3394145	5.9251165	5.9452425
SLC2A8	4.8232735	4.7385995	5.0563165	4.454667	5.53773	5.1441335	5.169874	5.576556	5.1296205	4.9963235	5.6076195	4.8565545
PRDM1	6.559683	6.876045	6.9571	6.579955	6.241915	5.862772	5.776834	6.417881	5.481004	5.470873	6.708591	5.631824
ZDHHC2	5.0347435	4.5597735	4.8541295	5.460881	5.743779	5.0751665	5.628157	5.683516	5.0287165	5.135477	4.33061	4.442454
ST14	3.979434	3.89185	4.169725	3.98606	3.614649	4.138796	3.752201	3.811577	3.946988	3.79136	3.937416	3.728302
CLIC2	4.108905	3.396866	3.312068	3.265177	7.131526	8.321251	6.514252	7.187294	3.519953	7.543669	8.691043	7.705665
SSTR3	6.1206745	6.208599	6.054415	6.341686	6.3025255	6.177062	6.2868095	6.394785	6.165748	6.047039	6.315279	6.0151655
OR2J2	2.999666	3.100836	2.8487165	3.1844875	3.13977	3.207404	3.327764	3.128049	3.072089	2.9798845	3.321832	2.940902
SNAP25	5.374945	3.580863	3.66604	4.219301	4.950412	5.378324	4.997483	5.544234	6.345944	5.604908	5.726795	5.901537
CCL2	6.0068325	5.9784895	6.3843035	6.4104705	5.1178405	4.0839675	3.741857	5.1025115	6.9304765	5.4162125	5.3854425	4.8268515
LHX8	2.517214	2.273647	3.028455	2.926497	2.30794	2.385283	2.308599	2.392339	2.243552	2.409737	2.333853	2.311411
MMP17	6.640967	6.806867	6.525421	6.736963	7.729139	7.543775	7.318378	7.447924	6.742536	7.376348	6.977579	7.149109
LHCGR	3.146751	2.867905	2.899209	2.644764	3.109948	2.683274	3.249424	3.139492	2.712852	2.886865	2.982046	4.412052
COL11A2	5.7314665	6.1139165	5.640287	5.7960405	5.914398	5.6418175	5.7445135	5.867357	5.940825	5.533126	5.8565925	5.2957955
CD1B	4.179825	4.028557	3.805013	3.690145	4.105303	3.511995	4.148141	4.133801	3.834802	3.452483	3.789277	3.50001
OXA1L	9.962831	9.938965	9.624302	9.73602	10.35349	10.13222	10.46127	10.40893	10.07122	9.909379	10.17866	10.09379
BACE1	8.9346905	8.6829575	8.3031535	8.8097285	7.592863	6.1671945	7.119169	7.276104	7.2897355	7.2858025	6.794078	7.467438
NOLC1	7.883744	7.82009	7.898974	7.473635	9.077907	9.497129	9.549884	8.892052	7.818378	8.086544	8.996257	7.854698
FGF17	5.961928	6.111553	5.349213	5.389792	4.99451	5.153328	5.215915	5.032728	5.042953	4.889529	5.406325	4.799559
SLC20A2	6.1487175	5.8735895	6.073761	6.256817	6.0340945	6.174449	5.9279685	5.9445565	6.01594	5.734292	5.93158	6.1450545
ITGA8	4.1405635	4.0579675	4.0095325	4.734817	4.1030415	3.555398	3.439805	3.9747835	3.6316905	3.6242685	4.2129715	4.334963
POLE4	8.480904	8.193936	8.15514	8.724798	8.95282	9.180378	9.168796	8.938847	8.869553	8.192408	9.21122	7.73271
MR1	6.684445	6.366753	6.488899	6.9732915	7.072616	7.990854	6.8724745	7.189097	5.837377	6.3804005	7.3324325	5.556056
GLYATL2	4.258933	4.315286	4.423006	3.97112	4.956213	3.84076	5.480918	4.96346	4.035891	4.106532	4.296781	3.894487
RASSF4	4.334866	4.231593	4.4212535	4.1359305	3.9973895	4.0223005	3.8841685	3.9134895	4.5489145	3.8021315	3.8916155	3.7841695

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
DFFB	5.843009	5.240408	5.63509	5.539353	5.673154	6.30746	6.101285	5.54229	5.206822	5.819693	6.361272	5.463283
ESR2	4.242613	4.155477	3.898923	4.28361	4.333881	4.089132	3.986132	4.277314	4.111027	3.70129	4.256376	3.545895
TRPM6	4.3770555	4.632137	4.823835	4.6200575	4.540251	4.368619	4.492305	4.440962	4.429306	4.1527385	4.2063985	4.3827675
RGS16	4.778397	5.137551	4.629247	5.605133	6.291469	7.022346	8.015333	6.248658	6.746711	6.848018	6.98465	6.76271
MRPS16	8.413156	8.2321825	8.193674	8.5734165	9.267055	8.8749215	9.5774875	9.1962615	9.1661995	8.588913	9.257354	9.2616095
HAPLN2	4.458703	5.300513	4.683969	4.680738	4.592452	4.792242	4.420746	4.696154	4.796887	4.436647	4.928581	4.79567
RABAC1	11.20318	11.12282	10.74352	11.06399	10.33113	10.20406	9.965124	10.34468	10.87926	10.59884	10.62712	10.35219
EME1	7.6487155	7.321032	6.657045	7.6446335	7.421873	7.202855	7.943145	7.812723	7.3024575	7.667989	7.758892	8.0092625
CORIN	3.616086	3.941921	3.965947	3.944501	4.952965	4.317346	5.526278	4.832215	3.645313	4.098114	4.000336	4.549335
TICAM1	6.896213	7.342896	7.081313	6.836048	6.011258	7.007436	6.154014	6.149439	6.267956	6.020893	6.882671	5.894856
KRTAP3-2	2.803523	2.901268	3.033071	2.767873	3.128647	2.932322	2.971327	2.869382	2.588167	2.839896	2.655942	2.695896
DNM2	5.528878	5.295396	5.648181	5.779466	6.000695	6.56559	6.101397	6.07534	5.839881	5.448077	6.276269	5.922223
IQSEC1	7.420545	7.69505	8.024905	7.3296035	7.062237	8.404963	6.6927295	6.964504	7.0554005	7.4653285	8.297485	7.8176365
MT1G	7.852418	7.885417	7.936049	7.4202205	7.652882	7.0785065	6.9962205	7.494027	8.2306555	6.8821	7.3523025	6.484645
APOBEC3B	7.621621	8.48925	7.730499	8.741786	8.422442	4.679285	8.770351	8.05575	4.116213	7.132721	6.748798	6.941015
RIOK2	7.4560545	7.0721825	7.7193295	7.8017685	7.875339	8.349406	8.556848	7.789935	8.2160585	7.7795695	7.744228	7.873853
DAPP1	4.336071	4.214502	4.4810315	4.1451015	4.164794	4.9842545	4.491417	4.362117	3.9047435	4.8424235	4.133971	4.811836
SEMA6D	4.309645	3.781821	3.898566	3.994249	7.431831	7.109773	5.733215	7.312637	4.340826	7.422577	6.73115	6.938814
STAU1	10.922545	10.70716	10.99587	10.949975	10.68184	10.751935	10.606565	10.6395	10.52216	10.601785	10.33486	10.570675
CD200	3.228591	3.1989585	3.6443375	3.644003	3.3916175	3.2080595	6.863313	3.3142955	6.368099	4.311627	3.289017	5.877186
LNPEP	6.113679	4.99924	5.610141	6.042568	6.13742	7.081974	6.793966	6.204129	5.624824	5.152376	5.940347	5.061207
SLC2A13	3.738046	3.59509	3.565093	3.757577	3.731915	5.120505	3.739118	3.829611	3.539946	5.811687	3.757577	6.81863
METAP1	10.05884	9.866173	9.642418	9.945929	9.820528	10.05858	9.851486	9.757392	9.378794	9.155345	9.440943	9.265816
TTC22	3.44523	3.1681235	3.57432	3.6109165	3.44565	3.8787375	3.2928355	3.435494	3.3393875	3.1127895	3.3344845	3.1516895
DHDDS	7.4823225	7.5314595	7.464355	7.610534	7.2023965	7.6508635	7.36733	7.2388645	7.7350235	7.097581	7.7363735	7.1878485
THG1L	7.758646	7.853309	7.89216	7.548717	8.008356	7.748192	8.159769	7.934474	7.589091	7.904009	8.77229	7.98451
MDM2	4.6738425	4.17976	4.447707	5.155023	6.1084925	6.964728	7.015543	6.6577095	5.33982	6.541339	7.3437735	6.4462725
GPR87	2.642778	2.661982	2.522073	4.114353	2.584342	3.566523	2.538301	2.676809	2.616399	2.381804	2.719695	2.233211
FBXO36	4.2651845	4.565444	4.449309	4.1672055	4.1358605	3.699485	3.9537725	4.187427	4.2854355	3.862698	3.998783	3.786612
SPINK7	3.582635	3.441419	3.332068	3.191242	3.827591	6.407705	3.731222	3.710933	3.363879	3.737207	3.565094	4.00989

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
OR51E1	4.007554	4.191869	4.4673	4.082323	4.294838	4.00704	4.681135	4.387677	3.754764	3.83196	4.072141	4.348604
TRIM11	5.589168	5.564625	5.393776	5.4977265	6.2150145	5.8987135	6.2482995	6.249845	6.092315	6.653992	6.319165	7.243116
GRM2	4.7660985	4.994613	4.643356	4.691952	4.88	4.729236	4.803083	4.8906815	4.632251	4.588145	4.972632	4.644571
PAPSS1	10.44877	10.22068	10.73403	10.39139	10.22226	10.25681	10.59494	10.12671	9.978644	11.2566	10.40367	10.98522
YPEL3	6.953456	7.274147	6.9737985	6.6792495	6.76287	5.9201435	6.066507	6.803696	6.2445755	6.2907825	6.344198	6.358162
FAT2	4.68428	4.454718	4.66527	4.669228	4.671447	4.677624	4.840187	4.690678	4.694402	4.377004	4.818151	4.221717
ADRM1	9.183602	9.11244	8.967085	9.224806	9.291754	9.707296	9.533031	9.280557	9.430735	9.188133	9.501266	8.943117
LTB4R2	4.53384	4.78431	4.487678	4.418667	4.437592	4.174263	4.390992	4.435685	4.417524	4.360855	4.465881	4.520039
PA2G4	8.669267	9.234845	8.446677	9.005631	9.148369	9.7737515	9.7057895	8.8477355	8.5372445	8.9015435	9.3042775	9.100679
RAPGEF4	3.340405	3.55371	3.304058	2.533226	2.878647	3.908182	4.790484	2.58441	2.846643	6.382276	3.215547	6.200923
ZNF189	7.953711	7.84551	8.306554	8.111536	8.168523	7.389504	8.022796	8.205032	8.073363	8.640782	7.488515	8.420179
SERPINE2	7.95148	7.44796	8.8884735	9.3577305	9.737755	8.7435375	7.79312	10.348842	8.8637805	8.6679695	10.5710835	8.1991845
ZNF208	2.928319	2.958326	2.603396	2.828406	2.465638	2.424119	2.41534	2.386809	2.497537	2.776619	2.664779	2.469828
WNT2B	4.384343	4.406702	4.190978	4.263068	3.92224	4.831873	4.139355	3.856372	5.317674	4.033821	4.537817	4.363309
FZD9	4.521959	5.205356	4.464023	4.506123	4.623234	4.942145	5.487151	4.446693	4.84309	5.537839	4.563578	5.111291
ELF1	8.3373705	8.229707	8.722226	7.8567355	9.384927	9.346695	8.4454015	9.3501205	8.463771	7.91939	9.267278	7.8767145
CBLN1	3.244471	3.369286	3.357601	3.632619	3.284424	3.339787	3.086575	3.598566	3.79058	3.406243	3.403746	3.320328
SERTAD1	8.270151	8.779787	9.106343	8.638025	8.404787	8.253847	7.670655	8.502832	7.791644	7.766189	8.701101	7.063696
AVPR1A	2.723215	2.490284	2.64046	2.734245	2.675377	2.677552	2.669862	2.623765	2.606154	2.588061	2.653062	2.655047
PKP4	5.822416	5.951461	6.115523	5.980251	6.6083865	6.2748575	6.594979	6.3740655	5.874867	6.344546	6.0441615	7.0571465
CYP4Z2P	3.100504	2.955087	3.149356	3.25403	3.319574	3.314621	3.555025	3.137008	3.209794	3.477649	3.102145	3.371633
CCDC25	8.1761525	7.9818965	8.4620825	8.2747335	8.345728	8.713238	8.5939805	8.447298	8.2315345	7.83982	8.374495	8.6082985
CYB5R4	5.450944	5.32024	5.43914	5.428497	6.029006	6.302536	5.689276	6.0276165	6.481274	5.2654265	5.414413	4.6045635
TXNDC12	10.50487	10.59715	10.78752	10.26712	10.32856	10.80538	10.31724	10.30747	10.2154	10.26589	10.54554	10.17424
WNT5B	7.315859	7.954195	7.381957	7.343822	4.184547	4.670179	4.147276	4.351259	6.204178	4.164391	5.220239	4.046368
TNNT3	5.581576	6.1517755	5.74066	5.5981625	6.5541395	6.9605555	6.164432	6.7208515	5.664482	5.5256595	6.5396965	6.276714
OMP	3.705424	4.29339	4.185951	3.803694	3.74605	3.920205	3.532146	3.732938	3.638271	3.721862	4.069035	2.986558
CNTNAP1	8.918122	8.593564	9.178105	8.477834	6.702747	7.360994	6.287622	6.520943	7.931864	7.956103	6.920107	6.990574
PDLIM5	6.6492	6.303025	7.147627	6.7989235	6.650277	7.338351	6.985935	6.527383	6.027769	6.610955	6.438348	6.2505645
CASQ2	4.085664	4.539843	4.622566	4.639876	4.78999	4.725733	4.337177	4.492155	4.488869	4.378613	5.047544	3.998859

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
MCOLN2	3.966061	4.2152225	4.323128	4.3458965	4.713346	4.851274	4.704129	4.645017	5.7050575	4.202393	4.6874625	3.9958095
PLEKHA7	3.012857	3.41217	2.956421	3.424371	3.336641	7.164488	4.592448	3.658135	3.191586	4.377004	6.40677	3.510568
MS4A6E	2.88134	2.993716	3.018809	3.086621	2.955857	3.192968	2.891335	3.095334	2.875721	2.657382	3.08618	2.654611
PSMA8	2.868064	2.942693	2.986151	2.877383	2.718655	2.87746	2.791437	2.779285	2.881142	2.777623	2.881142	2.747111
PIGM	5.890994	5.24855	5.353965	6.166162	5.930853	6.391098	6.441238	5.901847	6.313042	5.859955	5.734717	5.730748
SNW1	9.178524	9.148476	9.159394	9.19489	9.192909	9.018617	9.319485	9.230577	9.176422	8.931268	9.420656	8.707775
CAMK1G	4.407834	4.814385	4.186959	5.6427885	4.600097	4.3430855	4.492978	4.6335355	4.5575	4.032026	4.8678745	3.9212025
AP4M1	7.318164	7.465565	7.393864	7.280318	6.985449	5.981576	6.791175	6.891253	7.590498	7.143085	7.108418	6.676517
HCG9	5.793386	5.580843	5.115715	5.771664	5.40594	5.712908	5.61209	5.675511	5.438527	5.691179	5.749198	5.917635
MTR	8.732983	8.268274	8.5740545	8.3929715	8.8674985	8.5699915	8.995571	8.629784	8.566921	8.6405965	8.2109805	8.957432
STAC2	6.332253	6.375851	6.300472	6.156505	6.25591	6.172867	5.971746	6.415491	6.122393	5.997057	6.219165	6.178965
ZNRF4	5.964178	6.520943	6.248272	5.790078	6.036309	6.08528	5.830443	6.156868	5.991371	5.580947	6.14355	5.71666
TPT1	13.65019	13.71578	13.69374	13.62534	13.81379	13.84453	13.75509	13.7808	13.69666	13.74572	13.72488	13.74057
TBKBP1	6.340013	6.929409	6.240913	6.366165	5.524844	5.949441	5.235795	5.578808	5.821795	5.99888	5.816637	5.771639
NRG1	5.3743125	5.0924845	4.8472955	5.804586	4.852623	4.510561	5.7809635	5.137193	4.7437235	5.7322485	4.678288	5.7770625
HAS2	10.789985	10.89904	11.06453	11.286935	3.5765545	3.335252	3.145728	3.7352645	5.112854	5.3884055	3.4243965	4.8562845
BHMT2	3.635067	3.294976	4.376653	3.781792	3.993815	3.281815	3.065207	3.763204	7.567007	3.163471	3.01218	3.019001
PDE6B	4.870089	4.63038	4.718054	5.174839	4.882395	4.455035	4.829463	4.738603	5.349696	4.615509	5.171548	4.839171
CSNK1A1	9.2467965	10.2912315	9.8538385	9.7505795	10.35482	10.34431	10.435585	10.262618	10.04094	9.820027	10.160435	9.7206295
TCAP	5.839451	6.033923	6.227129	6.127912	5.693064	5.888309	5.689446	5.564916	5.366271	5.683833	5.616984	5.484124
PPIF	8.9773745	9.2193445	9.328375	9.497331	9.4535205	10.756995	10.508045	9.2915925	9.4968185	8.9875925	10.5025	8.7454215
F11R	4.3639105	4.151434	4.2699555	4.4592445	4.835458	6.321742	7.4390185	5.156436	5.8747465	6.434873	4.6377685	6.16365
SENP2	7.602888	7.349013	7.86963	7.821188	8.142351	8.470385	8.254635	8.281871	8.791998	7.348274	7.952504	7.184883
YPEL1	4.172976	4.544133	4.382416	4.273933	4.1008	4.225209	3.728056	4.41696	4.841814	4.444656	4.32899	4.374086
NPTN	11.96978	11.90317	12.07201	12.33472	12.20353	12.43796	12.08299	12.28542	12.01289	11.94403	12.22617	11.93674
MON1A	6.249477	6.687147	6.389143	6.74552	6.761025	7.975502	6.894958	6.742221	6.434626	6.752657	7.548455	6.801949
CLCN6	6.113754	6.492417	6.493259	6.284683	6.761161	6.024446	6.50965	6.730142	7.576687	6.947024	6.612928	6.971585
SMG5	6.9807895	7.135858	7.1834575	7.5934435	7.710256	7.9730255	7.6646685	7.671896	7.5785245	7.447057	7.4111385	7.299497
EIF2AK2	7.208417	7.1987225	6.850575	7.0956865	7.41455	6.7286275	7.893722	7.266386	8.070861	6.710519	7.6851305	7.0365925
TNN	4.063624	4.022653	3.877722	3.646141	4.395622	3.792805	3.734228	4.319484	3.873544	3.954838	4.894241	4.063758

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
SF3A2	6.781813	7.4855215	6.790201	7.121799	6.7027505	6.615546	6.986372	6.385452	6.545616	7.230708	6.8780045	7.3843925
CYB5R2	7.139297	6.753877	6.617105	6.959491	5.3823	6.66712	6.022365	5.546656	7.125033	4.557274	6.069546	4.260681
RBL2	8.50472	8.693351	8.504056	7.921601	8.2268695	7.9153925	7.8872415	8.1288245	7.803274	8.0659295	7.8633325	8.110763
ABCC10	7.148691	6.721656	7.05571	7.5348475	7.070697	7.7107105	7.154767	7.311336	7.3019415	7.5381725	7.750084	8.1417545
SPRR2C	3.267154	3.785259	3.627723	3.362651	3.676057	6.920717	3.519112	3.625586	3.597585	3.324462	6.085279	3.416723
HSPB1	11.80994	12.10856	11.79887	12.12267	10.92876	10.54248	10.66462	10.62829	10.53463	10.8315	9.790189	10.51191
VIPR2	4.528707	5.252444	4.835267	4.923918	5.013486	5.11845	5.040169	4.992256	4.624509	4.949513	5.1427	4.67631
KCNJ2	4.533623	3.660673	5.478508	5.161994	7.807253	5.05296	4.347116	7.820709	6.866306	9.346256	4.883416	9.665415
DNAJB2	7.234924	7.202065	7.759887	7.73346	7.229757	6.917446	6.833942	7.305922	6.888339	7.78238	7.386066	7.279485
KRT7	5.0450455	5.4449875	5.7962135	5.5448055	4.235165	4.119504	3.982325	4.6423765	5.3271885	4.2799815	4.524429	3.778031
KLF15	5.408109	5.7360475	5.5234435	5.566748	5.68511	5.5909385	5.269601	5.826619	5.877334	5.7263495	5.940133	5.66039
ZNF16	6.882494	6.614919	6.872365	6.428507	6.152701	6.099216	6.242903	5.977245	6.510765	6.425045	6.641924	6.454261
MON1B	7.190109	7.00582	7.398296	7.395069	7.642973	8.173656	7.496876	7.432878	7.000074	7.002886	7.262504	6.702503
FUT2	5.129942	5.0343105	5.1673775	5.249657	5.350303	5.190234	5.429487	5.411466	5.256528	4.95418	5.327987	5.087423
WDR63	3.841584	3.354061	3.856997	4.7118	5.005491	7.188632	4.684198	5.868186	4.210576	4.5117	5.768892	4.549138
OR1F1	5.024352	5.407274	5.119077	5.775839	5.207007	4.884968	5.056461	5.407274	5.074631	4.586493	5.286026	4.764668
COMMD2	7.633717	7.5553955	7.735273	8.0338275	8.2996835	8.4563455	8.4474845	8.183691	8.8395525	7.84036	8.372661	8.01998
CACNA1H	6.101918	6.194003	5.783483	6.025578	5.864207	5.9384765	5.867785	5.967207	6.034016	6.0329045	6.008436	5.7843465
YEATS2	7.0345955	7.366399	6.9676035	7.1666605	7.0300775	6.93373	6.8350115	6.982062	7.0110965	7.2298295	7.0811705	7.2750885
TM6SF1	3.600636	3.6957	4.09742	4.183664	3.655236	3.653122	4.181242	4.027316	7.557143	4.578731	5.303895	5.483525
YME1L1	5.071536	5.032554	4.707445	5.076135	4.694488	4.850828	4.865425	4.695868	4.671798	4.724761	5.054755	4.784271
GAL	4.2569015	5.143941	4.37936	4.7186	6.7582265	7.879087	7.7317675	6.7234415	3.7804425	6.2422955	7.2250095	6.2328715
CHCHD3	5.898011	5.7594405	5.719197	5.896976	6.1771975	6.4097965	6.285323	6.251466	6.323578	6.1437775	6.4308755	6.1930095
ASB11	3.447013	4.153679	3.644285	3.522429	3.522429	3.478443	3.294247	3.532664	3.403947	2.859613	3.460893	2.875992
SF3A3	8.594524	8.516706	8.430963	8.383824	8.459035	8.333779	8.853363	8.451085	8.333103	8.599628	9.069871	8.731672
IER5	8.182118	7.71153	7.77475	8.746108	6.8055	7.6707535	7.239689	6.909722	8.0826055	7.453319	7.913805	7.3093025
B3GNTL1	6.2995205	6.2639215	5.806758	6.1225375	5.8724905	5.853866	5.7769675	5.777977	5.83711	5.8862305	6.0302295	6.1457925
TMEM38B	6.914039	6.304911	6.176585	7.089727	7.368505	8.790953	8.627082	7.21218	8.691761	7.00375	8.751544	6.785155
ZNF12	8.6196645	8.44035	9.070562	7.9968175	6.8552235	7.1839235	7.1850735	6.7923885	7.0085685	7.769798	6.677071	8.0087665
ZBTB16	3.979722	4.22897	4.101004	3.721111	4.161548	4.289808	4.336494	4.294264	4.34193	3.886142	4.08775	3.569755

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
HYDIN	4.495173	4.035111	4.099332	4.245217	4.384616	4.286425	4.20571	4.294264	4.456812	4.170257	4.229521	4.031635
GALNT17	4.470333	4.555993	4.298765	4.710509	5.178588	5.022311	4.679836	4.832021	5.25122	4.533276	4.926578	4.474473
TM4SF5	5.049763	5.524933	4.937876	4.934373	4.548841	4.690267	4.450322	4.434724	4.871768	4.576736	4.526425	4.173862
ANGPTL6	4.547082	4.799159	4.754461	4.802512	4.636124	4.5844	4.605473	4.715667	4.632433	4.077615	4.64412	4.133904
ECD	8.488175	8.153414	8.257395	8.390009	8.733672	8.77908	8.657377	8.787896	7.72775	8.311169	8.60791	8.377211
TRAPPC5	9.146617	8.843658	8.693735	9.416995	9.293009	9.42619	9.081077	9.262362	9.203616	8.980309	9.651052	9.209135
MICAL2	8.410916	9.0204045	7.960409	7.684252	5.1234855	5.2316465	6.160496	5.3087685	7.914872	7.4219505	6.082159	6.674879
AGL	8.431004	8.151516	8.383179	8.711659	9.928925	10.1179	11.45249	10.00407	8.939822	9.606478	7.539297	11.22041
KLHDC4	5.816298	5.539075	5.876932	5.622128	5.700449	5.967703	5.549769	5.639455	6.621425	6.285732	6.719742	5.993045
TFG	5.964168	5.3438575	5.480068	5.0799845	5.221943	5.4432215	5.232082	5.5652345	5.912942	5.6394565	5.465875	5.6775085
LCT	4.823775	4.283203	4.209404	4.642121	4.676001	4.283203	4.666724	4.656054	4.475444	4.320358	4.783596	4.527779
CYP2J2	4.807528	4.741723	4.523293	4.347347	4.95393	6.265575	5.052326	5.229521	6.196967	4.688148	5.640942	4.839499
RAB18	7.990235	7.443163	7.6895545	7.55238	8.0467215	7.789685	8.151282	8.051324	7.5018055	9.043683	8.028848	8.73377
LMX1A	3.285602	3.613933	3.280481	3.434124	3.017493	3.455729	3.266238	3.462361	3.123737	3.211722	3.102598	2.97588
HMG20A	8.064003	8.21161	7.985044	8.489038	8.964106	8.80127	8.968314	8.983563	9.14599	8.971855	8.572156	8.900101
MSC	6.272855	7.140827	6.446604	5.615357	5.046529	4.801715	4.183192	4.765673	9.740914	5.575962	5.978895	5.21783
UHMK1	8.5930675	7.250628	6.9425165	7.1445335	8.0223705	9.6003535	8.727289	8.1788455	7.173397	8.899145	9.0359365	8.9708845
SNCA	4.445682	4.138918	4.443292	4.33575	7.680782	4.088356	4.386502	7.595	7.248976	5.660039	4.421876	4.925157
PLAA	6.474876	5.667988	6.580998	6.940242	6.310801	7.127378	7.019589	6.24018	7.783797	6.572898	7.665558	6.816076
MMP24	5.111362	5.508785	5.31088	4.938313	4.496791	4.79145	4.596784	4.846274	4.617846	5.11077	5.122856	4.499381
SLC34A3	5.971473	6.4529725	6.2057295	6.2225245	6.298574	6.123813	6.001052	6.343789	6.3212055	6.0734145	6.271003	6.001917
TIMM8A	4.7094705	4.3108585	4.6628895	4.787304	5.2875675	5.428472	5.558509	5.1450145	4.8071735	5.7235445	5.300651	5.519307
FBN3	5.07606	4.677354	4.534589	5.091885	4.954004	4.567048	5.008081	4.925601	4.809591	4.852824	4.782645	5.02632
KRT14	3.594671	4.069782	3.182633	5.872416	3.731029	8.303019	4.23848	3.876779	3.535762	3.745988	4.110794	3.642169
SCARA5	4.654737	5.075523	4.864902	4.979966	5.183029	6.582686	7.046179	5.283323	4.503751	4.624828	4.768748	9.534798
APBA2	5.3686545	5.694515	5.790072	5.482872	8.2655845	8.468099	8.4373125	8.1531605	6.7768505	8.499958	7.80961	8.4965125
CCDC57	5.020732	5.153337	4.97479	5.179939	5.21703	5.181365	5.097183	5.21982	5.077822	5.122824	5.17585	4.984599
ONECUT3	4.98206	5.1323615	4.914188	5.077969	4.902584	4.878925	4.8943175	5.0091675	4.825666	4.594697	4.8790095	4.421682
CHMP1B	8.7481615	8.8649485	8.5956535	8.21881	8.6191285	9.0487095	8.0224325	8.6157975	9.43588	7.7591545	8.875761	7.324094
IL17C	6.322066	6.212462	6.068191	5.574978	6.238824	5.991691	6.207611	6.327264	6.21893	6.199883	6.362688	6.322066

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
TBC1D2	7.305123	7.494935	6.710385	7.150166	5.137987	6.553746	4.53562	4.664403	7.577429	4.888616	8.103456	3.992549
PDGFRL	4.587158	5.490003	5.171549	5.263287	5.058393	5.318992	5.4749	5.287934	6.676284	5.88372	4.229444	5.300228
BOC	7.827744	8.001407	8.566326	7.865538	6.835259	6.103474	7.058603	6.495852	6.114261	8.002813	6.074618	7.697537
LAPTM4B	10.15437	9.8318695	9.7500775	10.059112	11.4586	11.449935	11.91394	11.45589	11.55618	11.316125	11.37199	10.914995
CSF2RB	2.920198	3.308382	3.518631	3.402805	3.339197	3.900725	3.198644	3.494813	3.512882	3.159478	3.251131	3.229723
TPM3	4.536252	4.600293	4.83964	5.080997	4.634066	4.460693	5.045443	4.634066	4.580798	4.394494	4.749521	4.126916
KAZALD1	5.717185	5.606787	5.697368	6.178051	7.604623	6.416639	6.441499	7.184222	5.628552	6.064893	5.5741	6.01866
MRPL41	5.551901	5.248816	5.171548	5.499667	5.398368	6.206621	5.69699	5.934707	5.593103	5.808928	5.963047	6.486114
CD33	4.45697	4.072309	4.49905	4.338223	4.090913	4.093756	4.722662	4.242476	3.744566	4.168315	4.236764	4.329175
IFIT1	5.452538	5.282836	6.972374	8.591249	10.55409	7.423781	10.77328	10.60104	12.05856	9.911374	12.65636	10.84531
SPRR3	4.1805555	4.313264	4.2220195	4.548007	4.6244105	7.247728	4.9196115	4.7014105	4.19734	5.2793855	7.518819	5.010834
PFKFB3	7.968634	8.202318	8.842722	8.184546	7.829985	8.527863	7.658956	7.83883	7.325297	8.542983	8.856773	8.307642
STIM1	5.1443385	5.406058	5.0538915	5.508655	5.0596195	5.1400095	4.847317	5.050007	5.399298	5.2162965	5.0562235	5.0251865
COMP	5.90845	6.488429	6.87857	7.838015	8.589458	6.788862	4.097147	8.281434	4.170284	5.401022	4.374426	4.112432
CENPB	6.632992	8.114967	7.238899	7.867792	6.481149	6.651752	6.19663	6.12178	6.082677	6.615875	6.467655	6.38797
LZTS2	7.1272715	7.7014085	8.0889635	7.457691	7.201912	7.106582	6.617482	7.1157445	7.582449	7.1570545	7.334655	6.932688
MBNL2	6.852773	7.31476	6.881498	6.096361	7.959035	7.676289	7.127563	7.942916	5.331252	5.928574	5.841801	5.870248
CETN2	10.13514	10.06448	9.999947	10.16639	9.89362	9.887864	9.618373	9.886432	9.357788	9.077948	9.527456	8.672645
ADSSL1	5.545141	5.615378	6.1451705	5.6320745	5.4992625	5.153597	5.2306755	5.181714	5.399291	5.566034	5.289572	5.422721
PACRG	3.5942585	3.793109	3.6163855	3.6787205	3.5328805	3.270817	3.366136	3.708683	4.4620475	3.2746915	4.861673	3.0782965
TCOF1	6.430985	6.890074	6.494515	6.584209	6.892135	6.597304	7.74427	6.648269	6.324866	7.174782	6.21116	7.070635
SLC22A2	4.913989	4.866839	4.684709	4.994307	4.788972	5.757738	4.932879	5.25295	4.741981	5.095717	4.944207	4.929123
SPOCD1	9.3289955	9.034527	8.494016	8.519457	5.1222565	4.556845	4.545991	5.1053425	5.265509	4.701907	4.4949885	4.373012
NPFF	4.829306	4.7865935	4.6774505	4.768435	4.86912	4.819425	4.8793355	5.05571	5.077067	5.4061115	5.03123	5.1623005
APLP1	6.641936	6.945998	6.705053	7.053814	6.34133	5.698941	5.77223	6.318588	6.375738	6.551746	6.113978	6.271459
U2AF2	5.762473	6.210535	5.732223	5.6098855	6.02619	6.502446	6.198249	5.903456	5.7259985	5.628382	5.89479	4.969509
INPPL1	7.883987	8.213508	8.08685	8.126515	8.197716	8.247045	8.316436	8.067327	8.446335	8.346512	8.158368	8.313976
GCGR	5.00613	5.547345	5.480821	5.549016	5.201265	5.286042	5.037147	5.427625	5.508413	4.662693	5.005342	4.689015
GPR18	2.48827	2.656505	2.894075	2.72791	2.796112	2.950773	2.828241	2.81014	2.841663	3.184042	3.195984	2.894075
KCNQ1DN	5.011754	4.809871	5.211673	4.952815	4.959885	5.157093	4.854555	4.939416	5.021213	4.727444	5.007529	4.925156

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
CSNK1G2	7.6343235	7.537496	7.6117695	7.6340065	8.6982585	8.9172125	8.687167	8.519747	8.3094465	8.6668445	8.77932	8.781828
SEC14L1	6.618302	5.751145	6.214536	6.4616925	7.170427	6.9277625	6.5535	7.341117	6.89965	5.2165295	6.251979	5.145226
COTL1	10.91949	10.68981	10.70317	11.40126	9.416603	11.65384	9.387774	9.607911	9.964594	7.970704	9.901439	7.722296
RCOR1	6.83547	6.753398	7.0082385	6.7566905	7.4678745	7.703574	7.56204	7.392263	6.9003375	7.353935	7.4303175	7.0614795
PDE6A	4.44992	4.715357	4.108887	4.381838	4.769591	4.285378	4.194031	4.738476	5.000732	3.971654	4.309645	4.219298
NDUFB1	8.478939	7.9180665	7.9504265	7.876799	8.6776895	7.7799035	8.6833365	8.7405505	8.0174775	8.800482	8.1379805	9.3273095
PDZD3	5.251794	5.4605775	5.077456	5.256643	5.446162	5.357374	5.407792	5.534165	5.2692555	5.1382715	5.3851925	5.146894
RNF165	3.05462	2.862724	2.959894	2.786787	2.680493	2.980428	2.520568	2.480081	3.236081	2.951179	2.83033	3.391586
ZNF304	6.049129	6.182199	6.571971	5.90889	6.36685	6.459711	6.365542	6.488171	6.587823	6.867216	6.755538	6.552846
SPRY1	5.1075905	5.2896775	5.3510985	5.2798305	5.0350585	5.8793195	6.251342	5.226798	5.2512245	6.4153145	5.274362	7.191354
GALNT2	8.7265105	8.593736	7.822271	8.6504485	7.761029	9.0693345	7.496432	7.812315	7.0376195	6.9207435	7.7042825	7.0848115
F3	9.850839	10.64924	11.03341	10.63019	9.075043	11.27377	10.91895	9.869704	8.101726	7.42535	10.58715	10.0821
WDR27	5.489302	5.46645	5.602586	5.404697	5.54099	5.403501	5.787018	5.6023	5.707966	5.492172	5.782314	5.787301
NPR1	5.59234	5.661923	5.9143835	5.5874095	5.503327	5.454327	5.4156345	5.5577985	5.31433	5.4068135	5.3367545	5.2754415
ZNF680	6.820737	6.697534	6.631885	7.088076	7.359085	6.752722	7.803615	7.153128	6.960618	7.878468	5.626966	7.282809
HS3ST2	5.366588	5.226016	5.143655	5.159382	6.69247	5.906158	5.381179	6.561092	4.856237	5.354802	6.205601	5.442587
ITGAX	4.178718	4.423184	4.0748055	4.1200525	4.4350235	4.2139165	3.9974305	4.328929	4.132406	3.7644445	4.3511	3.8803595
YIPF5	10.85348	10.511165	10.614025	10.994585	9.5678225	10.017487	9.621945	9.654024	10.23181	9.35055	9.5307925	9.4137895
TIMP1	13.89436	13.78559	13.85968	13.6122	12.10714	13.13742	11.01617	12.34533	11.7211	12.58335	13.21922	12.45228
LGALS3	7.9261845	7.9255495	7.788451	7.713279	7.5874835	6.1985825	6.6166175	7.452669	7.0891955	6.9478235	7.061208	6.16763
LAS1L	7.021221	6.717116	6.7645515	6.955788	6.880793	7.040027	6.9961995	6.9765665	6.990201	7.0551165	7.4182705	6.9351515
CSDE1	11.05472	11.27078	10.64707	10.90604	11.49664	11.50404	11.48469	11.5203	11.22171	10.74203	11.05205	10.67404
ISCA2	8.706834	8.744736	8.59709	8.850836	8.807666	7.78075	8.941816	8.689601	9.229557	8.623643	9.4262	8.283337
PRKACG	4.29525	4.349183	4.098244	4.590337	4.39302	4.248933	4.173713	4.36064	3.999123	4.077178	4.262484	3.92341
EGR2	4.862604	5.508269	4.812425	5.255049	5.455446	4.862154	5.267066	5.194137	8.407133	6.137253	6.79952	5.346399
ANXA5	11.78575	12.12168	12.6014	12.8042	11.85253	11.50592	11.54286	11.93109	12.15956	12.01999	12.59469	11.63028
MCM7	9.0786745	9.1022495	8.7653685	9.0236755	8.9356225	6.1283635	9.6373925	8.663459	8.573184	9.025299	8.295195	8.7159865
COX8C	2.706946	2.835346	2.708737	2.504492	3.13353	3.682106	2.693709	2.971327	2.763597	2.88297	2.627308	2.668947
FN1	13.9759	14.01169	13.89195	13.85477	13.04613	10.32705	7.189368	13.17499	14.23276	10.87847	12.32266	9.580735
SRGAP2	4.4285675	4.2779785	3.805112	3.97663	4.2176745	3.7022765	4.0761745	4.338721	3.8832905	4.33784	4.0913035	4.4299595

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
AGTR1	6.1690425	6.9215215	6.545081	5.879153	8.12003	6.428137	7.476993	8.4049345	5.7545165	4.859367	5.9389925	6.027214
MBD2	4.0858055	4.2331955	4.163956	4.27063	4.097044	3.932573	3.9114605	4.0715795	4.209992	3.735949	4.061669	3.901558
CD8A	4.325908	4.730128	4.624828	4.212849	4.362008	4.597269	4.503539	4.602388	4.537817	4.000423	4.259987	4.152949
TBC1D1	3.146721	3.154912	3.442952	3.263546	3.23711	3.482599	3.038497	3.209273	3.722604	3.294588	3.455666	3.209273
SPCS1	11.30487	11.07454	11.07978	11.38962	11.6657	11.86341	11.62111	11.72876	11.5451	10.99173	11.88165	10.81081
PHYHD1	6.7384	6.90012	6.465703	6.262361	6.519799	5.277099	5.279156	6.485439	4.678516	5.4031	5.4033	5.793415
ROPN1B	3.628701	4.110962	3.754791	4.107518	3.999639	4.072253	3.598619	3.512776	3.669783	3.815524	3.843457	3.420693
MARVELD2	4.3732895	3.9125695	4.5801565	4.286253	3.9491525	4.9477825	4.297255	3.8559405	5.125929	3.9107365	5.1544525	3.79733
PLAC9	6.9557885	6.5863915	7.908371	6.999908	7.2101555	7.4681985	6.4433425	7.2064045	5.7637865	5.9816855	7.0069615	6.3032725
APEX1	10.82566	10.76109	10.97023	10.95661	11.56047	11.05341	11.75974	11.48138	11.45866	11.24604	11.50239	11.05536
HIGD1A	10.68844	10.15618	10.30229	11.07129	11.49321	11.43038	11.5262	11.62401	10.74609	10.58811	11.09854	10.70268
ARNT	7.5342805	7.2267405	6.9119065	6.315409	5.9644555	5.7348885	6.093475	5.892208	5.7445705	5.923085	5.6146595	5.8687455
ADAMTSL5	5.260617	6.242005	5.440755	5.327976	5.059055	5.479406	4.838826	5.265324	5.031073	4.892827	4.979294	4.738471
PDCD10	10.69026	10.3269	10.60134	10.67988	10.70664	10.36082	10.85645	10.60936	10.97503	9.523815	9.906889	9.298631
RFC3	7.738119	7.268663	7.555393	7.655293	8.263918	6.515869	9.186293	7.914932	6.35107	7.095934	6.658805	6.622182
MTHFD2	8.295544	8.1684165	8.7221565	8.2815825	8.47674	9.0636925	9.2949345	8.3863515	10.0578565	9.1232195	9.968137	9.24989
FOXL1	6.2389285	5.8254695	6.220447	6.575613	4.755743	5.445128	4.7557435	4.822619	6.2995405	4.864668	5.324646	4.342075
DHX40	9.534878	9.2890095	9.4605535	9.082989	9.139835	8.589156	8.479177	9.114354	8.9956255	8.56972	8.730105	8.3809035
CLK4	4.9557185	4.634763	4.903872	4.515778	6.8087115	4.9646	5.270578	6.8174545	4.948004	5.465153	4.3740905	5.3319275
FKBP14	8.627533	7.689996	8.086809	8.940828	8.158246	9.714709	8.363813	8.197655	8.462094	8.222033	8.234503	8.329785
CELSR3	4.7963745	4.8874515	4.8921275	4.5904735	4.7370345	4.9386755	4.7944265	4.934704	5.613972	5.3224845	5.372716	5.1211965
IFI44L	4.657695	3.658268	4.489782	3.887734	9.169316	5.213987	8.331096	9.168812	11.30147	10.4575	11.39752	9.928329
ANKRD12	7.0454765	7.3991075	7.2505205	7.1393335	7.2405455	6.2631835	7.291115	7.268588	7.3372105	7.387992	4.2918905	7.41736
FSTL1	8.020092	6.79512	8.895472	6.474003	6.168283	4.560619	7.294089	6.087329	4.724018	8.661463	7.322528	8.36046
CITED2	11.42714	12.29191	12.01638	11.56152	5.710706	7.959998	4.715511	5.841231	10.55446	4.859077	5.859444	4.514787
MICA	6.950497	7.396604	7.759483	7.250047	7.742244	9.570608	7.485338	7.884932	8.133514	7.300228	8.311369	7.307579
NDST2	6.2690635	6.3238265	6.6486565	6.6301855	6.18603	7.208225	6.3166835	6.2684755	5.868024	5.9038765	6.649084	5.950782
MYH2	2.710008	2.463911	3.099144	3.434736	2.961666	3.049431	2.952455	2.817904	2.669371	2.314524	2.837504	2.828117
RHO	4.906552	5.231072	5.01288	4.8771115	4.783986	4.631333	4.557711	4.852649	4.687189	4.5177395	5.01524	4.872761
DOCK11	5.96047	5.4422385	5.8729595	5.748781	5.984024	5.590074	8.1665605	5.7957625	6.254309	7.9250415	5.1808785	8.7754475

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
SOX15	5.610272	5.620227	5.6651645	5.39874	5.6400755	5.9822755	5.6808645	5.812864	5.523028	5.1850365	5.753039	5.3223985
NLE1	6.7237705	6.732307	6.592357	6.614699	6.5533895	6.665889	7.0988245	6.446604	6.113201	6.560528	6.998727	6.821339
S100A16	11.45458	11.48071	11.46652	11.64423	11.32512	12.32482	10.57051	11.44367	11.09611	8.638431	11.78803	9.267216
FXR2	7.8518765	8.1237065	7.753909	7.4991625	8.247453	8.6408255	8.3387135	8.1669105	7.791304	7.834874	8.177096	8.0291975
S100A12	3.559025	3.207118	3.341018	3.343743	3.749816	3.353958	3.440094	3.687126	3.475188	3.471647	3.598948	3.088464
RAC1	11.11694	11.71369	10.838725	11.12832	10.99797	11.631415	11.025165	10.838505	11.383355	10.2201485	11.08045	9.882122
ENO2	8.865141	9.482456	9.339314	8.626306	4.874832	4.028891	4.337946	4.401026	7.361942	7.554016	5.914459	6.096875
CTCFL	2.784122	3.163365	3.026913	2.801755	2.552057	2.587079	2.738436	2.608186	2.604712	2.488316	2.805606	2.696659
HMGB3	7.4736645	7.463479	7.214022	7.5650835	8.2708525	7.0736705	8.73598	8.0969915	7.9330045	8.4809465	7.982911	7.7634885
ACAD9	8.269383	8.308171	8.166063	8.482249	8.162148	7.647939	8.380363	8.156576	8.076815	8.171176	7.953798	8.040871
SH2D3A	3.8446915	4.1090435	3.529275	3.716351	4.1237285	3.794723	4.4224525	4.1008885	3.7832825	3.515808	3.92637	3.9188555
FTCD	5.5736785	6.15104	5.5002585	5.695158	5.5718985	5.5802665	5.6341525	5.798974	5.431469	5.463378	5.8129635	5.266112
IGFBP2	4.753756	5.096846	4.842753	5.719323	9.933065	6.451674	6.21057	9.461901	5.720012	12.28218	6.478759	10.78915
POPDC3	8.940968	8.963923	9.02416	9.418028	7.872974	6.195865	8.066944	8.028683	8.270832	8.629404	6.92264	8.30644
ANAPC10	6.6921135	6.502251	6.580362	6.92017	6.93807	7.2891755	7.2847515	6.777725	7.716157	6.7413095	7.792357	6.9574325
CDC5L	9.319484	9.128633	8.919427	8.736613	9.16302	8.997314	9.106592	9.037144	8.958501	8.117958	8.40765	7.943558
STAM	9.317478	8.745	8.775015	9.201511	8.51377	9.232816	8.581515	8.706671	10.11082	7.871904	8.777821	7.79088
SMS	10.82224	11.08137	10.24958	11.15919	10.01873	9.975733	10.60437	9.82486	10.01613	9.32711	10.2929	9.400238
SERPINB10	3.270934	3.817098	3.457358	3.337392	3.246632	3.279819	3.079792	3.424873	3.409544	3.161328	3.196658	3.267118
PARD6A	5.405051	5.742271	5.865042	5.536929	4.801718	5.074236	5.174839	4.958181	5.505861	5.066349	5.242975	4.938246
GANC	6.860503	6.374067	5.883258	6.138599	5.691223	5.72999	5.977884	5.946597	5.537927	5.647118	6.119679	6.172958
ZNF32	8.473301	8.282243	8.867047	8.348748	8.784418	7.871599	8.436991	8.744434	8.695667	8.400564	9.035906	7.950967
XAF1	6.851196	7.079152	6.941432	5.669224	7.051803	3.839124	7.94226	6.842099	9.762733	8.163063	9.891183	9.594097
TBC1D4	7.179312	6.980783	7.3006735	7.9467915	8.159335	8.0286645	8.279016	8.0756055	7.044483	7.461872	8.1700325	7.930428
CTTNBP2	2.624104	2.32494	2.486605	3.137298	2.387352	2.373439	2.520141	2.365974	3.765254	2.683751	2.373439	2.583232
CD2AP	6.2666045	6.2199065	6.277957	6.51657	7.250996	7.2587375	6.9328525	7.4649965	6.9894595	6.188987	6.235416	6.3071385
CKB	6.92635	6.559693	7.620032	7.814075	9.831869	8.924597	9.843666	9.923421	6.873025	9.263946	9.111568	9.381989
RAB39B	3.764027	2.702846	3.4230935	3.9899795	2.806988	3.7484675	4.5066895	3.1498785	6.187135	4.411088	7.1183075	4.4849425
CABLES1	5.528878	5.089005	6.340706	5.786328	5.562846	5.313952	5.375636	5.725658	6.697001	5.170809	5.355062	5.287258
ACYP2	7.01855	7.286942	7.348641	7.293532	8.215302	8.976269	7.853612	8.343332	7.661774	7.151103	8.665316	7.236227

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
PSIP1	7.8955445	8.167046	8.1025985	7.6649375	8.3732285	6.5259515	9.0662025	8.197686	8.5235615	8.5496485	7.0565995	8.6088565
KLHL10	3.585978	3.9749455	3.9734975	4.030342	4.1392835	4.051263	4.0201575	4.1051825	3.821284	3.717661	4.2959105	3.836814
HOXD4	6.3773215	6.79078	6.2806625	6.6290275	6.3139295	5.1883525	6.563307	6.3932735	4.5364275	7.85355	6.935563	7.9223525
ZNF668	4.900964	5.4267975	5.1097225	5.043915	5.0685115	5.633848	4.915156	5.12121	5.201218	4.4735555	5.300732	4.603577
SNRPC	10.29241	10.25044	9.814089	10.25666	10.51023	10.84269	11.00598	10.46983	10.52674	10.39201	11.08609	10.40147
CMTM5	5.380944	5.825802	5.64569	5.494021	5.59805	5.319388	5.431975	5.381957	5.287103	5.396977	5.256037	5.412414
PLSCR1	7.563513	7.836139	7.756619	7.348872	8.43573	7.981559	9.519657	8.367222	11.08487	8.520962	10.53448	9.458921
SLC44A4	3.8771535	4.063013	3.9363375	4.117221	4.1489705	3.7680645	3.9608085	4.236327	3.985922	3.6033935	3.860698	3.7984075
PPIE	7.992368	7.654822	7.642298	7.886825	7.96757	7.72498	7.842781	8.100476	7.627604	7.434711	8.341101	7.525538
CD160	3.435868	3.32975	3.39649	3.14068	3.139105	3.081337	2.9166	3.248811	3.201961	2.958805	3.449198	3.064338
USF2	8.496042	8.843693	8.752463	8.632874	7.965591	7.859947	7.894745	7.988028	7.596507	8.25778	8.180098	8.346032
GMCL1	7.292364	7.3031305	7.505919	7.407335	7.680192	7.9526345	8.1063205	7.660899	8.2769375	7.7691405	7.4006535	8.02964
DNAJB14	8.654336	8.125864	8.591521	7.988752	8.615088	8.632277	8.590878	8.622432	8.711096	8.414009	7.230885	8.398742
GIPC3	4.753542	5.3804345	4.978933	4.4971335	4.308867	4.5884595	4.6731955	4.4761775	4.409884	4.5097395	4.6228985	4.3064345
SPCS3	8.495277	7.915951	8.084788	8.470186	8.043538	7.813223	8.876945	8.137838	8.161179	8.249054	8.044828	8.21164
DBR1	7.427554	7.2286185	7.345452	7.699244	7.893194	8.2604455	8.37911	7.8738135	8.0686325	7.114134	8.1164595	6.9369335
STEAP2	9.972826	9.020719	10.14497	9.054379	3.671581	3.730016	4.526567	3.978128	5.775413	7.40959	5.055327	5.896372
LEFTY2	3.828029	4.889739	4.552755	4.878827	8.438697	5.302656	5.26745	7.905542	4.35517	8.234417	5.212292	7.296793
NUBP2	7.501763	7.233627	7.380349	7.984691	8.196791	8.119287	8.327025	8.096812	7.837831	7.528649	8.09979	7.853532
ATP4B	4.514507	4.781759	4.378345	4.653502	4.309645	4.578678	4.505245	4.755449	4.578678	4.500529	4.666564	4.656827
TOP3B	5.9557665	6.1410335	6.137955	6.1267735	6.7409225	7.612271	7.032601	6.535198	6.541075	6.292743	6.568877	5.812687
BRSK1	5.247298	4.657431	4.603581	5.114846	4.501236	4.395732	4.905405	4.669698	4.097001	4.881978	4.444571	4.256377
AQP5	5.489302	5.453705	5.286378	5.361787	5.576602	5.417414	5.092474	5.359748	5.397363	5.200793	5.31852	4.718805
DEFB121	3.217662	2.964265	3.159364	3.205991	3.279293	3.366517	3.242177	3.435964	3.16532	3.110837	3.112355	3.168732
IL10RA	4.452776	4.687455	4.484888	4.504918	4.402172	4.42898	4.37375	4.837906	4.552661	4.130152	4.772412	4.311491
MFAP3	7.188164	6.888822	6.840085	6.860157	7.466444	7.833053	7.896328	7.452125	7.145505	5.913683	6.214591	5.515688
RBM6	7.855971	7.03685	7.878995	6.250779	5.239791	4.123162	5.021683	5.267637	5.480362	6.251146	4.723759	6.575271
KCTD18	7.730491	7.7007315	7.4221055	7.780125	7.325551	7.112141	7.087746	7.3439335	7.3363655	7.324136	7.3348345	7.5247025
EFNB2	3.7109205	3.6808065	3.7347555	4.1923315	5.006573	4.051449	7.1100145	4.740809	7.786438	5.796264	4.324927	6.2011635
SLCO3A1	5.3582475	5.4725075	5.471251	5.6765285	5.5324245	6.34701	5.4422515	5.486535	5.904855	5.8629295	6.949066	6.259003

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
IL11RA	6.636821	6.538319	6.6063185	6.5874075	6.9853015	5.0467935	5.82308	6.571008	5.9378275	6.031486	5.372898	6.016162
PYGM	4.624034	4.842418	4.952498	4.839091	4.920176	4.776441	4.870688	4.791185	5.018076	4.737249	4.864738	4.111408
SFI1	6.151967	6.0526245	6.344542	5.740659	5.6658395	5.3583165	5.799535	5.6375285	6.0689275	5.9863015	6.00925	5.7036235
NEFH	5.780765	5.371499	4.9185665	5.0061945	8.661891	4.4089	10.2172655	8.6225175	10.054592	8.7797035	8.440862	9.3405155
BMPR1B	5.59849	4.375302	4.128878	4.478179	3.467457	3.366943	3.277894	3.626251	4.474535	3.33269	3.501846	3.337006
UXS1	9.082114	9.013221	9.178796	9.3162915	9.271843	10.830255	9.4444655	9.2827995	9.801877	9.4504195	9.538061	9.257873
RAC2	9.0893355	9.2923635	8.6165005	9.416112	7.94567	8.9614335	7.095398	7.9178235	7.694605	8.559673	9.2851845	8.4671615
OR5L2	3.9759615	4.1876495	4.1851935	4.445078	4.368731	4.5334935	4.171045	4.4057935	4.3784885	4.2294915	4.337602	4.119036
RNF44	7.075923	6.989787	6.964692	6.351981	7.534143	7.857264	7.286942	7.396966	7.714817	7.875575	8.430383	7.8991
IQSEC3	4.518057	4.794482	4.696687	4.794629	4.522068	4.4292165	4.6209705	4.6233385	4.382226	4.3359975	4.329213	4.5633965
RAPGEF3	5.132153	5.189138	5.221494	5.1669375	4.818303	5.1030525	4.8793065	5.0770865	5.506433	5.041928	5.4557035	4.786378
ZP1	5.327849	6.520943	6.338232	5.659244	4.459198	4.420027	4.419449	4.478911	4.67465	3.9075	4.677175	4.314363
AHCYL1	9.0608045	9.7008985	9.987926	9.353129	9.1528275	9.298351	9.097019	8.967146	8.6886355	9.0502275	8.351496	9.1595815
NUDT13	5.1702935	4.4752425	4.676163	5.1185765	5.5838765	5.273526	6.286998	5.611817	4.279436	5.2462585	5.0611565	5.2458815
POLE	7.330915	7.468843	7.466925	7.252403	7.500928	5.843396	7.91905	7.387604	6.617159	7.398932	6.526204	7.559374
BTN2A1	7.9597235	7.515325	7.7579675	7.700481	7.6709145	7.521393	7.662969	7.605854	7.916181	7.948997	8.1148325	7.796449
SMARCC1	8.1387665	8.1031445	8.093029	8.038359	8.8612145	8.7022785	9.077225	8.672811	7.7750825	8.6970965	7.868687	8.9367405
TESK1	7.149892	7.193557	7.98249	7.680593	6.831314	6.612676	6.553107	6.810404	7.30544	7.190212	7.24184	7.10661
STEAP4	3.098569	3.0645675	3.1562545	3.0893035	3.083735	3.1796555	2.876574	3.115048	3.1250495	3.0071765	3.2628725	2.869974
PMPCB	6.93481	6.967095	6.7231115	7.158539	7.026284	6.5580655	7.0725255	7.1858695	6.8894275	6.808909	6.768595	6.963743
RPL27	13.33994	13.38358	13.24331	13.37367	13.48438	13.49285	13.55885	13.48692	13.50426	13.4651	13.53318	13.5088
STRN4	6.351688	6.67467	6.301187	6.536541	5.895512	6.188457	5.83691	5.33859	6.039948	6.403676	5.935859	6.445201
FER	7.364069	7.249114	6.994142	7.080501	9.188587	9.442153	12.08089	9.159311	7.455006	11.76297	8.55073	12.05507
PCYOX1	9.298553	9.3730265	9.435188	9.2722525	8.170068	8.998405	7.916167	8.1349865	8.2329645	7.3840665	7.369127	7.502352
PICK1	5.998653	6.279229	6.056984	5.753863	6.081013	6.212125	6.154662	6.303777	6.356635	6.385139	5.882377	6.421275
ARPC5	7.8753075	7.4911555	7.4731035	7.5722465	8.6810155	7.3584855	8.244532	8.5929375	7.3041985	7.9209665	7.61271	7.284013
DACH1	2.957627	3.134125	3.02446	3.189784	8.814455	3.259458	8.240041	8.572567	3.502935	10.10433	4.100033	10.30748
DNMT3A	5.661664	5.784351	5.828505	5.752281	6.817347	6.158056	7.481733	6.540061	6.769057	7.299691	5.689763	7.626042
BACH1	4.967263	4.848869	4.753207	5.040454	5.278319	5.281004	5.24747	5.451499	5.481802	4.729928	5.27521	4.941658
MUC7	3.220937	3.218078	3.0378865	3.252767	3.1563705	3.47698	3.081355	3.252578	3.133501	2.9200605	3.069766	3.0905425

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
GALK1	5.534658	6.068804	5.632206	5.6280205	5.166308	5.3860945	5.5745145	5.0692535	5.2851	5.5014225	5.4218285	5.568132
CALCRL	3.912507	3.728316	3.794128	4.328844	6.186699	4.531235	4.138041	5.901067	5.052908	5.775723	4.210639	4.144317
GZMA	3.892473	4.139477	3.516536	3.753155	4.007738	4.053178	3.974828	4.162153	3.95378	4.060692	4.096537	3.829263
PLOD3	10.64966	10.80222	10.59345	10.45986	9.482987	9.812677	9.433111	9.490429	9.544699	10.44176	9.799152	10.06055
UBB	13.14728	12.86296	13.07127	13.12303	13.3139	13.49061	13.21155	13.28201	13.64633	13.28842	13.40883	13.34318
TUBA1A	12.79656	12.50897	12.55569	13.08545	13.07749	12.69203	12.64916	13.09383	12.37146	12.79284	11.55504	12.17258
RAB20	4.9616625	5.33402	5.5116935	5.37862	4.6957675	4.387022	4.5595065	4.7745355	4.9175565	4.135006	4.608798	4.2307385
UNC5B	6.90588	7.58582	7.152665	7.105222	6.915945	6.798488	5.903359	6.770557	8.139113	7.924274	7.979309	7.387857
HEXIM1	7.5475455	7.3019325	8.3087195	7.719452	8.0128925	7.792519	7.7453905	7.9344705	8.1848295	7.694766	7.6383415	7.490197
CYP2R1	4.084576	4.211836	4.21009	4.358016	4.504176	4.632277	4.54647	4.201378	5.376002	4.326369	4.982372	4.334072
POLR3A	7.2108	7.283633	7.106798	7.322537	7.118074	8.3616	7.624582	7.020515	7.600152	7.72675	8.191103	7.850149
SCO2	8.214506	8.133358	8.699125	8.416094	9.066538	10.07972	8.999689	8.968906	8.608383	8.173922	9.582368	8.635046
NUDT2	7.763772	7.584858	7.694911	7.353084	8.033369	8.205105	7.649892	7.960883	7.131294	7.585042	8.27994	7.940159
SIDT2	8.3853585	8.169222	8.679131	8.6856185	8.96928	8.931084	7.7968575	9.087697	8.2253535	8.507112	9.2626395	8.6198205
NRF1	5.241163	5.324068	5.420903	5.055516	5.201525	5.051618	5.332959	4.982233	4.966173	4.835605	5.051618	4.561833
LRRC27	5.4179005	5.475232	5.4421985	5.643334	5.5557605	5.257134	4.876422	5.654652	5.733234	5.081135	5.76848	5.0261425
TBX21	4.381582	4.906738	4.734934	4.66379	4.281822	4.309645	4.355868	4.429566	4.577436	4.241579	4.424914	4.190983
ABI1	8.867475	8.756051	8.617173	8.97957	8.389811	8.443907	8.139655	8.394224	8.676194	8.639471	8.628916	8.326999
HMGA2	4.873232	5.014031	4.770089	5.406374	3.992228	4.234654	4.036465	4.111607	4.385583	3.837497	4.741247	3.865224
PNPT1	8.631547	8.207821	8.698591	8.733862	9.940465	10.23531	10.46276	9.834082	10.3384	9.601018	10.0617	10.03262
CDC42EP4	7.585992	7.881076	7.527476	7.748639	6.958538	7.188662	8.007969	6.710028	7.295737	7.167274	7.515011	7.047545
POU3F2	3.591579	3.6821975	3.929293	3.844037	4.130559	6.248883	3.6429405	4.341753	3.5482735	5.033986	3.7474135	5.7372995
PRPF3	8.222811	7.694092	7.74766	7.758003	7.492479	7.849323	7.463978	7.297991	7.349549	7.36389	7.356171	7.41259
VEZT	7.501876	7.5090185	7.667799	7.9115305	7.9531425	8.260927	9.300548	7.9795885	8.4136735	9.439446	7.285003	8.9989665
NCK2	8.746798	8.827559	9.235633	8.736246	8.256559	8.224001	8.736246	8.184569	8.97294	9.702394	8.707281	9.504169
NIPSNAP3A	9.429184	9.555227	9.916919	9.360392	9.685835	9.364538	8.665689	9.660887	9.758148	8.599733	9.930798	8.593834
GRK6	6.637377	7.0080735	6.820145	6.880156	6.813233	6.097051	6.940304	6.716849	6.7346715	6.5944825	6.6928185	6.992626
PLEKHG6	5.473995	5.639538	5.373394	5.887591	5.769859	5.669067	5.859862	5.752604	5.788905	5.732358	6.167751	5.788905
LILRB4	3.677645	3.636787	3.624275	3.5049155	3.4888585	3.5446935	3.435213	3.5006285	3.6731315	3.3587655	3.6355675	3.2844905
CPLX3	5.061259	5.491034	5.2086505	4.893798	5.072725	4.955324	4.9869455	5.034039	4.838954	5.096722	5.101707	4.848526

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
RPS23	10.8575825	10.5423645	10.9334365	10.788538	11.2788745	10.9668795	11.333835	11.1707745	11.419004	11.03037	10.656437	10.817454
POF1B	2.847398	3.109202	3.344907	2.991091	2.971679	2.871598	2.937325	2.852966	2.865734	2.725466	2.83654	2.615087
WDFY2	7.887957	7.654614	7.744327	6.792693	5.8517785	4.496536	4.9067635	5.7661305	5.758866	5.5424685	5.373719	5.513513
MAGEC3	3.555995	3.389002	3.632469	3.393444	3.410718	3.213382	3.091815	3.348529	3.200663	3.019037	3.191406	3.049593
NNMT	11.30518	12.03242	12.22639	11.19225	7.397011	9.375369	4.288873	7.621727	12.20421	9.757014	9.906379	7.104944
HOXB6	4.044934	4.706452	4.3288395	4.682943	5.068783	5.3796645	4.867729	5.254479	3.449697	4.904486	5.7957555	4.4361005
PLCB2	5.4519475	5.6435665	5.6169405	5.347539	5.4280145	5.193005	4.9488845	5.465195	5.4199705	5.2811505	5.341268	5.28724
WNT4	4.405606	4.551553	4.519642	4.222282	4.440051	4.259913	4.271681	4.392516	4.574637	4.21159	4.595082	3.967962
SOSTDC1	2.991288	3.130591	3.254974	3.321344	3.299179	3.163519	6.174643	3.302328	3.120939	4.068544	3.228344	3.278989
SCGB3A2	3.6665	3.648717	3.737958	3.593848	3.667855	3.609669	7.83508	3.784061	3.630659	3.344543	3.826661	6.721761
ATP1B1	9.0573265	9.3105635	7.790268	9.1473825	7.522709	10.037054	10.66342	8.012829	8.745358	9.997029	7.2074845	10.3268725
CDR2L	8.017057	7.938008	8.10999	7.787631	7.209842	7.454943	6.329605	6.948957	6.608153	7.229264	7.545362	7.172272
CSF1R	4.819412	5.048851	4.606646	4.706586	4.76797	4.723423	4.866694	4.699197	4.66766	4.517463	4.795197	4.36639
CTSO	8.067434	8.415072	8.200684	7.744878	7.343379	6.831091	5.475353	7.335347	9.267372	5.73	7.606713	5.951053
RNASEH2A	9.113375	9.300397	8.496109	8.891409	8.792465	5.937123	9.050467	8.417727	8.381389	8.883661	8.198215	8.615408
THUMPD2	6.793369	7.276253	8.14152	7.304986	7.781599	7.027904	7.876795	7.756022	7.278739	7.921832	6.890533	7.757064
TERF2IP	9.542049	9.495688	9.159859	9.521837	9.746139	10.07112	9.625709	9.836161	9.695702	9.900364	10.08195	9.592356
SPTAN1	6.707087	6.042454	6.779911	5.420905	5.350317	5.148149	5.233546	5.241744	5.404324	5.655303	5.511879	5.917681
APH1A	7.033619	7.52784	6.402298	6.911346	8.419257	7.830575	8.624282	8.151031	8.636143	7.534697	8.329578	6.628052
EPDR1	6.565025	5.420482	5.005213	6.477337	5.401021	4.427856	3.799268	5.372582	9.634819	6.509112	8.270144	6.522243
CADPS	5.2044185	5.142315	5.1645175	4.225226	3.856989	4.267209	4.0887985	3.8671555	3.564266	5.284322	5.889584	7.0691875
BBS12	7.248597	6.332864	6.559693	7.014888	7.001631	6.935796	5.91156	7.065778	7.320971	5.69118	7.048499	5.6022
ALDH1A1	3.180717	3.116507	3.444205	4.639092	3.259255	2.767541	2.949161	3.103014	2.655549	3.03167	3.032748	3.410815
SEC14L2	6.321925	6.727919	6.227878	6.371433	6.025167	6.245307	4.496334	6.162274	4.725734	4.255366	5.192129	4.132472
WNT9A	4.1741145	4.020661	3.929506	4.032711	4.6988905	6.1320425	4.1757445	4.735792	4.501043	4.0191115	4.8473385	3.897937
SLC22A11	3.938646	4.507815	4.039767	4.30548	4.053098	4.263043	3.990011	3.969977	4.089242	3.915051	4.171032	4.03863
ACOXL	3.712383	3.835266	3.809465	3.6320975	3.620524	3.866882	3.5746285	3.5141765	3.464603	3.61575	3.6256815	3.6736685
PSMC6	9.674441	9.474415	9.791153	10.16742	10.71972	10.58122	10.90778	10.73054	10.10815	9.826948	10.23684	9.463844
CA3	2.392534	2.567703	2.591228	2.714404	2.804976	2.404245	3.13699	2.680782	2.725148	4.699134	2.648253	3.496092
LTB4R	4.874338	5.197566	5.080816	4.912015	4.618626	4.648013	4.951633	4.85913	5.28783	4.970622	5.055238	4.929234

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
ADAM23	4.742433	4.9869755	5.0458655	5.389837	5.486951	5.786149	6.4822305	5.4527885	5.0308735	6.863852	5.2963125	7.52716
CABIN1	7.522161	8.103917	7.8982605	7.413223	6.8702425	6.984642	6.3198845	6.559455	6.1107235	7.195728	6.756749	7.0597085
CPT2	6.8752175	6.6904695	6.19455	7.3673905	7.8466155	8.0250775	8.1858665	7.9452405	6.5456235	7.1744955	7.758753	7.4288895
SLC16A8	4.90367	5.344707	5.176634	4.954388	4.966361	4.790737	4.489311	4.94818	5.350165	4.877252	5.054399	4.58093
CGA	3.4012615	3.4727085	3.2698115	3.499841	3.43058	3.2622375	3.3971375	3.4760045	3.340011	3.2358555	3.399569	3.490909
GMPPA	8.27747	8.090477	7.762395	8.329795	7.740036	7.639641	7.855278	7.791704	7.406722	7.594275	7.241268	7.228676
DDX21	10.37716	9.923213	10.275853	10.1752085	11.543405	12.08836	11.885945	11.452165	11.292955	10.726855	11.324985	10.918025
CDCA8	8.746765	8.827654	8.368792	8.572217	8.23171	5.998635	9.154396	7.96914	6.170115	7.567969	7.267847	6.639486
FOXP4	6.273441	6.736306	6.5395775	6.2185685	5.9214045	6.225737	6.055248	6.22333	6.484453	6.907024	6.6112955	6.7236765
CRYGC	5.016212	5.281453	4.722459	4.922351	5.073025	4.917071	4.991222	5.372613	4.890471	4.77185	4.935994	4.561977
RAI14	11.12412	11.21105	11.1671	11.07586	10.11769	10.88462	10.93044	9.976208	11.99813	10.23179	9.999838	9.899588
LDLRAP1	7.677993	7.5951935	7.899228	7.3518545	8.2909135	8.0860785	6.892898	8.237952	7.206285	7.739008	7.567166	7.656753
MMP20	2.851391	3.077514	3.504216	3.110788	3.08146	3.340827	2.955519	3.064802	3.04447	2.884655	3.349284	2.773329
ACAT1	3.997408	3.920205	4.424297	3.715403	3.951425	4.424297	5.346694	3.794025	3.591499	4.512959	3.931341	3.951425
ZNHIT1	9.56897	9.634034	9.682699	10.37024	9.724562	10.2488	9.335018	9.794473	9.440178	9.344788	10.12614	9.09198
GGT6	4.544599	4.512486	4.272506	4.602012	4.856995	4.734282	4.551863	4.547153	4.522971	4.257962	5.007824	4.398231
TGM5	5.771054	5.812351	5.870727	5.919527	6.022499	8.060613	5.863965	6.075572	5.423391	5.898935	7.133002	5.864512
PROK2	2.682967	2.855129	2.844039	2.758708	2.727684	3.017616	2.604854	2.461583	2.663295	2.643928	3.15208	3.777972
MT4	5.595334	5.73414	5.509742	5.564806	5.751158	5.40815	5.377789	5.641551	5.702782	4.889293	5.489672	5.146391
EIF2S1	9.005925	8.499514	8.986851	9.365797	9.685491	10.68944	9.706324	9.702572	9.836245	9.490313	9.944124	9.028404
MGAT1	8.875689	9.14151	9.361567	9.36253	7.749694	8.303019	7.82721	7.665049	8.31475	7.786522	7.464958	7.769463
FBXO39	2.894859	3.201177	3.032036	2.93538	3.070638	3.00477	2.931963	3.160064	2.954872	2.83039	3.139979	2.917295
PCDH10	3.1035515	2.857824	2.93483	2.8968535	6.0794505	2.9710595	3.0012645	6.2028115	5.2890785	4.0802455	3.0701425	3.093595
MAGEA3	3.166317	2.978262	3.094616	3.350965	3.157051	2.904651	2.754656	2.861364	3.18305	3.206553	3.251257	2.913376
NLGN4Y	4.239801	2.8463495	3.0448845	4.276605	4.3168695	2.9135125	4.3848985	4.285154	5.104758	4.831745	3.9690875	2.6494605
COL6A1	8.254074	10.561565	6.48287	7.1681815	5.8742165	6.9296005	5.396931	5.891473	6.6260745	4.8039385	5.847039	4.878105
SLC39A11	6.341513	6.321392	6.790611	6.799128	7.128666	6.497958	7.32685	7.12006	7.848763	8.061371	8.652022	7.402213
SYT14	4.371847	3.388951	3.733425	4.061041	9.016258	7.045746	7.684706	9.093904	7.192458	7.788596	6.618383	7.578868
CYB5R3	11.31465	11.97367	11.274195	10.7510535	9.724114	9.708144	9.287441	9.6790405	9.8770525	8.853347	9.4679195	8.5984575
AGR2	3.831029	3.7639405	3.8491635	3.8737825	3.623887	3.7149965	3.3247455	3.6556445	3.7514745	3.505054	3.694312	3.498444

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
CPA3	3.667768	3.351342	3.664843	3.683452	3.972165	3.484768	3.529161	3.857917	9.540547	3.504784	3.914521	3.656783
PLAC4	5.24905	5.004345	5.171549	4.941507	5.261419	4.620499	4.955296	5.147898	4.797132	4.779322	4.878697	4.533007
DOLPP1	7.058761	7.057087	7.101933	7.541615	7.952203	7.67026	7.994022	7.812381	7.976325	7.710133	7.655755	7.525928
UNC50	9.210957	8.894601	9.384439	9.260597	9.584367	9.132383	9.279639	9.638938	9.664217	8.824574	10.01027	8.78128
PACSIN3	5.556711	6.206618	5.794417	5.444727	6.530665	7.383151	7.698246	6.550356	5.829577	7.115991	6.867202	6.628317
HIVEP1	5.2162545	5.42195	5.7140325	5.824192	5.7549705	6.0738295	5.6667195	5.6959765	7.0572735	5.631776	6.696006	5.643304
ZNF576	7.09217	6.8906555	6.8439465	7.1477405	7.328772	7.706362	7.520925	7.167307	7.2165925	6.748865	7.446426	6.6657305
ARSB	5.222894	4.908006	5.866085	5.799475	5.0683115	5.191419	4.762076	5.0130565	5.3392335	4.5087	4.3655525	4.6122975
MSRB3	8.340484	8.986653	8.784999	8.932737	6.705336	8.378394	7.540957	7.040298	7.953225	6.665697	7.81846	6.823568
PHLDB3	5.199232	5.206992	4.816202	4.917256	4.847889	4.98124	4.963054	4.876296	4.773194	4.433296	5.081434	4.687203
GABRA3	3.275527	3.671824	2.634892	3.389452	3.498402	4.677995	3.340531	3.557907	3.508384	3.44159	3.644641	3.447014
TMCO1	9.100697	8.8375855	9.0830815	9.332283	9.6727485	9.6643185	9.504382	9.7330235	9.353855	8.938871	9.6321755	8.453618
DECR2	7.58195	7.498515	8.209974	8.070567	8.089916	8.454499	8.094732	8.102473	7.840382	8.189024	7.676638	7.845489
SOS2	6.024496	5.9814205	6.4972145	5.6139365	5.7258945	5.5770755	5.4994195	5.736272	5.244305	5.365044	5.2449845	5.3078645
SDF2L1	8.280584	7.790106	7.606562	7.828523	8.0471	8.299042	9.351454	7.857017	7.15152	8.685537	8.502981	8.43871
BLMH	7.804521	7.60902	7.745242	7.991994	9.151284	9.420213	9.544169	8.88965	8.398373	8.723412	9.123687	8.685527
DCDC2	2.828676	2.709207	2.7862675	2.7247575	3.8179825	3.139244	2.890832	3.6096765	5.1483275	2.725188	3.245629	2.8331695
HS3ST3A1	10.71429	10.48045	9.693337	10.34648	6.380688	7.289248	8.900919	6.091411	8.201427	9.029057	7.638731	8.752777
SAMD1	6.393968	6.619225	6.5940915	6.6175925	6.2028535	5.9939035	5.992176	5.9742185	5.8101545	6.149319	6.1998965	6.0166495
SRD5A1	7.336311	7.270376	7.075509	7.58092	7.654871	7.155028	8.114846	7.547536	7.7719	7.676697	7.889753	8.010315
MYL4	5.716673	6.0701435	5.6570355	6.230029	6.253397	5.8356815	5.9472065	6.110229	6.6755655	5.7946995	5.9087095	5.5994635
ICAM3	7.169151	7.535479	7.291577	7.94103	7.118954	7.509418	7.133569	6.936118	6.668322	6.044509	7.770717	6.524137
PABPC1	7.927199	7.94876	8.0126515	8.058271	8.0978195	8.331242	8.105288	8.143787	8.1303225	8.0925135	8.2880635	8.191994
CRMP1	6.728071	6.718982	6.373934	6.189636	7.754892	7.80316	7.883287	7.790312	7.093347	9.058725	8.394318	8.620085
EPRS	10.33306	9.852989	10.22716	9.565131	10.41422	10.75341	10.67161	10.45376	9.99746	10.29707	10.32582	10.73713
ATP11C	6.3067405	6.214217	6.6905435	6.6940485	6.510784	6.991041	7.5370885	6.607726	5.898478	6.4635365	5.009573	6.64125
COPS7B	6.637496	6.392352	6.451307	6.7902	6.255531	6.76244	6.517634	6.456907	7.142279	6.776185	6.956132	6.718698
CDX2	4.206768	4.7083955	4.3916865	4.4703195	4.2680505	4.35154	4.312515	4.3040735	4.2044715	4.191372	4.451186	4.3565915
MFNG	4.901871	4.917452	4.694475	4.660389	4.830842	4.848878	4.744483	4.842227	4.744483	4.582149	4.916244	4.696621
HYAL4	4.33151	4.597727	4.445055	4.406604	4.018986	3.812753	4.233028	4.033718	4.149068	3.838607	4.131047	3.873289

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
KRT33A	6.312774	6.064094	6.846451	5.914818	5.005746	5.17721	4.911657	4.911657	5.050092	4.497744	5.154078	4.648164
MS4A3	2.7436245	3.05239	2.875613	3.0822715	2.8360745	2.825381	2.858336	2.8381945	2.9597565	2.719296	2.9033105	2.7954495
CLDN17	5.219057	5.516173	5.470018	5.320137	5.314242	5.324232	5.424653	5.372694	5.337817	5.358739	5.19695	5.033931
SLC22A1	3.985121	4.481227	4.048548	4.002441	3.985121	6.099568	3.953862	4.109805	3.871847	3.788689	4.388703	3.793916
YY1AP1	9.169586	8.983844	8.921097	9.124122	8.877632	8.911098	8.985436	8.917463	8.83272	8.763901	8.770233	8.554269
LRRC52	5.495962	5.725916	5.302604	5.582268	5.752137	5.336535	5.600265	5.863708	5.503667	5.226546	5.476847	4.954094
LIG1	7.841148	7.948929	7.447082	7.835523	7.744109	6.579664	8.153022	7.486053	6.983875	8.324286	7.029504	8.007248
SHMT2	9.382723	9.569378	9.710291	9.67208	9.26015	9.642809	9.752748	9.203661	10.74218	9.644445	10.46298	9.465457
NEDD8	11.20672	11.09869	10.88025	11.19539	11.62534	11.34983	11.38894	11.60988	11.59683	11.24304	11.54438	11.13586
KLF17	3.276684	3.799892	3.581569	3.949292	3.775248	3.439096	3.493046	3.969884	3.697385	3.219191	3.906111	3.223659
CYP2C19	3.454139	3.787771	4.007469	4.145181	4.058482	3.925232	3.711397	3.974879	3.994248	3.771653	3.956794	3.870301
PAX4	3.734594	3.793094	3.8232285	3.810605	3.984602	3.942238	3.86428	3.8786085	4.049218	3.5734815	3.9341895	3.681235
ABCC6	4.201521	4.529792	4.637729	4.614982	4.940028	4.843331	4.321418	4.972052	4.637156	4.322214	4.609307	3.990615
GJA5	3.550253	3.812679	3.6625945	3.449038	3.5598615	4.846334	3.613278	3.3449925	3.4088155	3.309693	3.5158565	4.288916
LRP11	10.07531	10.15386	10.62857	9.983465	8.629562	9.718886	7.758334	8.357265	8.826456	9.352243	9.467623	8.93215
PNCK	4.83805	5.408278	4.725301	4.970498	4.964916	5.148149	4.911198	5.047548	4.984761	4.897357	4.903175	4.55976
RAD50	6.49729	6.145377	6.031416	6.45004	6.837306	9.219927	7.106366	6.446649	7.843014	5.984002	5.000705	6.337332
MC2R	4.7896365	5.025519	4.784759	4.8551435	4.707428	4.570661	4.745662	4.876754	4.655136	4.597009	4.7237665	4.522074
ZNF556	4.856592	4.973408	4.66028	4.689912	6.217777	4.752393	6.829443	6.319535	4.767356	6.408753	5.062736	4.716417
CST11	4.5254325	4.575784	4.12513	4.357209	4.38134	4.616595	4.523529	4.4061345	4.2940885	4.1455565	4.58118	4.1622325
MAGEB6	2.425648	2.241397	2.315092	2.310992	2.388529	2.389593	2.153514	2.27622	2.194787	2.324607	2.323609	2.104938
OSM	4.406367	4.4571015	4.389611	4.242705	4.252025	4.275833	4.3271735	4.351819	3.921962	4.1757775	4.1092045	4.2080315
SCNN1A	5.751433	5.880602	5.440942	5.302637	4.90304	5.585813	4.403208	4.837985	4.781287	4.395383	4.805048	4.556355
PAPLN	3.848891	4.179441	3.939998	4.2498805	4.637109	4.600198	3.7566965	4.719008	5.526444	4.1626645	4.0503285	3.998247
MTIF2	8.766076	8.436678	8.620542	9.197332	9.945922	10.09779	10.12448	9.885717	8.922682	9.350763	9.58312	9.941635
UBE2L6	9.66946	9.434679	9.450352	9.32897	8.265122	5.259055	6.293126	8.204915	11.29629	8.673412	10.73612	8.327743
LSM2	7.552378	7.887331	6.975288	7.699159	8.80475	8.742371	9.284245	8.497979	8.422114	8.162045	8.738345	8.070011
BFSP1	4.506429	4.847874	4.21009	4.228026	5.035922	7.387685	5.363806	5.30447	5.606425	3.35786	4.506429	3.939089
CYHR1	6.283293	6.298341	6.210335	6.422996	6.5461515	6.134931	6.246963	6.485842	6.613692	6.594856	6.6307425	6.446851
RASIP1	4.630601	4.430654	4.150173	4.5151865	3.95863	4.0672125	3.817974	3.68485	4.137429	3.896162	4.0921795	4.366074

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
MLYCD	5.20096	5.565735	5.171548	4.981134	4.772848	4.861942	4.607105	5.066658	4.939178	4.412096	5.041041	4.732602
RBBP7	10.78768	10.74154	10.81081	10.85653	10.57293	10.1013	10.90323	10.37392	10.46182	11.15727	10.33018	11.59533
EMCN	3.643858	3.162566	3.94226	4.678516	3.288327	3.427607	2.938103	3.463848	3.293661	3.10957	3.435876	3.006897
TMEM109	8.319424	8.452227	8.386346	8.337993	8.90153	9.128374	9.51774	8.694391	8.476648	8.21514	9.119686	7.994253
OR2M4	2.8385405	2.895063	2.8996835	3.080812	2.943511	2.8677465	2.808768	2.8869395	2.918664	2.7396625	2.9859185	2.627565
CLDN19	5.230476	5.318598	5.290876	5.435757	5.528878	5.729667	5.755563	5.933631	5.393758	5.303514	5.580891	5.230476
GOLGA7	9.8953045	9.9562175	10.3073	9.9757	10.821935	10.65096	10.0923295	10.882395	10.263442	10.0921535	10.643485	9.928999
FIGLA	3.196273	3.08609	3.238828	3.548056	3.205991	3.159165	3.346787	2.974688	3.019493	3.045851	3.303009	3.122271
POP4	7.605769	7.634108	7.3713355	7.689575	7.7750265	8.006398	7.904673	7.848381	8.0612225	7.224241	8.534082	7.1439055
ZBTB32	4.256595	4.874262	4.671505	4.137379	4.623455	8.872603	5.076135	4.814465	4.161763	4.041817	7.621575	4.553838
ARHGAP11A	4.848877	5.069891	4.909553	5.503622	4.893343	3.871977	5.840213	4.618865	4.186445	4.92785	3.959119	4.11123
MKRN1	8.878742	8.583457	8.963585	8.903206	8.6043015	8.253925	8.4138875	8.5399515	8.8484625	8.7522145	8.8190085	8.58661
FBXO10	4.222756	4.4157175	4.1414895	4.372634	4.280091	4.2840925	4.3166265	4.443323	4.3253275	3.801874	4.3293105	4.109332
CD6	4.269894	4.49725	4.349827	4.569282	4.491416	4.130545	4.291082	4.456864	4.302279	4.253685	4.298498	4.205223
LAG3	4.538461	4.77519	4.97479	4.877504	4.669064	4.769947	4.749983	4.829467	4.619722	4.460433	4.599737	4.364515
MGRN1	8.607948	8.445656	8.647937	8.656192	8.3109	8.673698	8.155376	8.166198	8.719163	8.677562	8.50178	8.543297
SELP	4.947863	5.315852	5.072604	5.43254	5.06382	4.998345	5.266535	5.268392	5.26266	4.910285	5.342911	4.897172
SCFD2	8.347786	8.0314365	8.2793545	8.493789	7.5359205	7.7258755	7.041917	7.500693	6.6690225	6.682017	7.481274	6.426895
RCC2	9.275739	9.105046	9.702215	9.526037	10.78256	10.06243	10.64043	10.78915	10.7222	10.74017	10.89215	10.85039
NFYB	7.552696	7.507423	7.8434825	7.783589	7.2607615	6.539756	8.078528	7.0831465	7.347941	7.1257805	6.526427	6.7800865
SUMO4	9.212561	9.252302	8.929152	9.374159	9.356648	8.665863	9.311495	9.356648	8.947948	9.22015	8.80129	9.231997
ATP6V1H	4.180543	3.852332	4.723676	4.357105	4.321913	3.813542	4.278796	4.435558	4.071619	5.072705	4.594008	5.601791
HECW1	4.9391715	4.9518395	4.848862	5.204905	5.1694035	4.9754005	5.106446	5.129942	5.035602	4.998362	4.9856605	4.7003005
TMEM87A	6.1909575	6.269444	6.19768	7.120696	6.964445	7.3031565	7.077172	6.7975545	7.0859365	6.5275305	6.7145505	6.441614
AGT	4.557224	5.168212	5.360894	5.235158	5.973608	5.229001	5.445399	6.153378	5.350737	8.704767	6.101956	5.136098
CHAF1A	6.9876855	7.138407	6.704771	6.9663355	6.8366	5.6802875	7.858038	6.3828035	5.979894	6.884914	6.353426	6.916108
CNR1	3.466746	3.7776655	3.4785715	3.7086135	3.485365	3.414694	3.468293	3.8006375	3.4704215	3.047034	3.7416015	3.1612975
ZRANB3	3.43344	3.47187	3.47795	3.798846	3.728056	3.656772	3.676057	3.568728	4.005283	4.101308	3.800079	3.957887
RELN	5.110818	4.540234	5.389933	8.65619	4.798469	4.982951	5.921747	5.035163	6.4457	10.67249	5.178098	10.43454
KIAA1217	5.097879	5.24348	5.08397	5.428476	5.531984	6.022364	5.617353	5.658233	5.214769	6.070405	5.472083	6.188321

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
QRSL1	5.575785	5.0056745	5.515957	5.6820625	6.564388	7.0261745	6.458871	6.521887	6.9721795	5.8673615	6.8177355	6.2053805
CORO2B	9.155095	9.837953	8.823811	9.116165	6.519784	6.153838	7.26359	6.018845	6.859169	6.698555	8.293989	7.515698
CDC14B	5.2985095	4.8531575	5.398465	5.517726	5.814342	5.053744	4.584232	5.907017	5.4320555	5.8029965	5.668301	5.37526
YIPF2	7.666719	8.097275	7.640571	7.858693	7.446841	7.655402	7.117222	7.479071	7.551948	7.292802	7.38055	7.106997
BCL7B	7.978365	8.19483	8.299486	8.305466	7.853164	8.309472	8.090394	7.619965	8.314769	7.540603	7.799115	7.115476
CAPN5	7.387263	7.353757	7.2458495	7.1457565	6.289913	6.2773715	6.349298	6.108518	6.311788	7.2730245	6.144173	6.5061405
AK5	9.0049415	9.7710275	8.8415965	9.401246	4.189072	4.246534	4.044252	4.703167	5.8836435	5.2405725	4.6110245	4.4998185
PARVB	7.923166	8.941737	7.6549635	7.5852465	6.3571805	7.6568555	7.309	6.163314	6.385752	6.650955	7.533773	6.4517965
PLXND1	8.0409	7.862971	7.956144	7.98248	7.356326	8.015471	7.674936	7.110692	7.575238	7.559879	7.247149	6.712042
SEC14L3	3.895214	4.397227	4.498558	4.351249	4.299326	4.301324	4.281152	4.245856	4.055716	4.188777	4.195786	3.920914
ONECUT2	3.448749	3.728273	3.494358	4.157074	3.454333	3.849176	3.674433	3.566266	3.818636	4.475194	3.863364	4.938347
ASMTL	8.422199	8.669401	8.530374	8.59121	8.03666	7.249732	7.688938	7.83167	8.204861	9.084578	7.986958	8.303818
SLBP	10.36976	10.19472	10.35184	10.2793	10.29535	9.556406	10.46072	10.08638	10.10909	10.10547	10.16816	9.720958
ATG9A	8.031813	8.314877	8.468661	8.613863	8.553146	8.694596	8.423634	8.441906	7.691664	8.367964	8.04978	8.414738
AQP2	5.926627	6.370111	6.176585	6.062737	5.969655	5.851831	5.815861	5.901786	5.801312	5.741068	5.987039	5.795403
PPP2R2D	6.395212	6.348611	6.7543785	6.561161	6.3076875	6.480767	6.265128	6.266237	7.1286245	6.2890605	6.527725	6.2473745
SLC25A32	9.999889	9.960777	10.12974	9.869896	9.832361	11.00282	10.37586	9.64975	9.771391	8.953841	9.818123	9.445876
GTF3C5	7.4895245	7.4860415	7.2689645	7.274203	7.378679	7.331897	7.725432	7.2584175	7.2332595	7.2501175	7.287578	7.283095
NDFIP2	7.832001	8.1050185	8.2217715	8.5961365	9.209145	9.8098775	8.5705435	9.401605	8.4926915	7.4765645	8.672563	7.632256
PALLD	8.921259	9.6767315	9.6567465	9.172981	8.406778	9.7597415	8.6015105	8.6763005	10.617247	9.129335	9.556385	9.445302
CMTM8	3.591576	4.124552	3.81676	4.046032	3.931499	5.349454	4.065516	4.313934	5.247879	5.010097	4.50758	4.753013
CHD3	6.799685	6.999836	6.578876	6.74749	6.71982	5.654774	6.591286	6.454745	5.990265	7.034021	5.239536	7.445446
BSG	8.928066	9.946951	9.054417	8.885568	9.072565	9.74366	8.857618	9.035805	8.203603	10.02897	10.25632	9.956406
CLEC4C	2.6460245	2.6809245	2.620963	2.643994	2.7289875	2.788171	2.6157505	2.6717935	2.8193815	2.5920165	2.6974855	2.57257
CROT	4.179628	3.463913	4.004914	4.408223	4.208286	4.428764	4.206106	4.154206	4.975956	4.244988	4.223214	3.676057
PRKAR1A	10.912085	11.21267	10.7547405	10.61295	11.05984	10.4387935	10.91234	11.058815	10.571927	9.928512	10.2721745	9.336459
INPP5E	8.578153	8.089226	8.055334	7.8746	7.14776	7.267066	7.782694	7.152133	7.724515	8.058585	7.430114	8.151954
NHS	5.457425	5.7332965	5.5945675	5.129642	3.4727765	3.7582835	3.69336	3.263507	5.6217105	5.4939015	3.8733015	6.0594835
AFTPH	7.903435	7.983015	8.2622615	8.177202	8.3364045	8.4759475	8.5718325	8.364675	8.3902035	8.6696095	8.235078	8.572043
OR8B2	3.078978	3.089708	2.960386	2.877119	3.11615	3.17628	3.17628	3.339315	3.220501	2.690102	3.113189	2.914231

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
TAS2R3	4.583639	4.752878	4.467765	4.681549	4.557662	4.623429	4.705033	4.530764	4.522986	4.27901	4.235024	4.15831
RASEF	3.106802	3.625087	3.344447	3.626843	3.425857	5.705636	3.538911	3.871367	6.262128	3.514683	4.036683	4.046608
KCTD16	3.819114	3.830506	4.299834	3.946789	3.829388	3.729487	3.937869	3.697664	6.566916	3.903746	3.729487	3.456329
ADAMTS10	5.476773	5.9781755	5.52142	4.9422355	5.117259	4.8885305	4.9330275	5.1891355	4.904633	4.9558395	5.1448645	5.0385955
ZNF623	6.733577	6.660488	6.372201	6.910157	6.283439	6.408023	6.41497	6.225017	7.297638	6.823686	6.687064	7.154738
SLC15A3	5.952991	5.995183	6.244933	6.070023	6.100507	5.678017	6.118607	5.7825	8.353514	6.122528	7.843102	6.165174
PHF10	7.1691245	7.71296	8.270167	7.3798955	7.509415	7.0045375	8.9400835	7.4457175	8.1870365	8.0606965	7.152119	7.970123
DAZAP1	9.246976	8.885942	8.906754	9.331733	9.472352	9.688	9.993327	9.337207	9.452178	9.440287	9.537746	9.664104
CYS1	5.976393	6.094202	7.247135	5.932852	3.984549	3.824322	3.971825	4.392249	5.92767	3.904344	3.853611	4.325134
CDC7	7.594751	7.260928	6.871809	7.459213	7.70178	7.25635	8.864902	7.342088	7.781358	8.611676	7.524637	8.609659
HES4	5.282444	6.094409	5.657987	5.653463	4.658764	5.262491	6.211712	4.7502	8.0689	7.211714	6.965789	6.020562
SLC35E1	8.3520595	8.433775	8.7191335	8.77565	7.900896	8.4773915	7.8177035	7.936637	8.081395	7.6325835	8.3504455	7.974653
HSPB8	6.4845605	6.171115	6.547518	6.8305255	8.084652	7.7262835	7.246652	8.055708	7.035254	6.449372	7.521848	6.9724785
SIPA1L2	4.319998	3.705868	4.328547	4.393374	7.770186	6.648948	6.970438	7.81092	4.612875	8.200232	6.47358	8.171708
DNTT	3.849676	4.047643	3.90707	4.268507	3.85986	3.814393	3.653483	3.806033	3.627518	3.46924	3.949067	3.742988
NXPH1	2.386553	2.215067	2.569097	2.439797	2.459042	2.468329	2.469829	2.221222	2.444819	2.570858	2.430904	2.626968
MUC15	2.8745625	2.7871015	2.837577	2.996478	2.6558165	2.708901	2.7085615	2.8763845	2.8318675	2.6676505	2.8642315	2.71807
TARBP1	8.32699	8.171009	8.363654	8.013339	8.454607	8.455366	8.34042	8.363094	8.5916	8.954438	8.642679	9.371643
HYAL3	5.011754	4.818151	4.981749	5.30447	5.65794	6.667042	5.499964	5.638768	5.390462	5.046797	6.090868	5.303035
SERTAD4	3.825827	3.668752	4.158372	3.9402015	7.6675175	6.234328	6.7837265	7.498022	7.771472	6.21442	4.007183	6.752337
FSCN3	5.303805	5.809407	5.797668	6.06204	5.765041	5.456868	5.807038	5.823597	5.296809	5.258622	5.418679	5.292287
MLXIPL	5.217865	5.617075	5.402151	4.994499	5.214161	5.036943	5.154611	5.150578	5.035665	5.085612	5.114388	5.110913
MRPL9	8.9039465	8.9698625	9.039491	9.0712395	9.3212605	9.124418	9.5560185	9.3275395	8.961827	8.6918465	9.4910615	8.6192885
TUBA8	4.811198	4.772038	4.262451	4.709662	4.47128	4.214041	4.404008	4.427821	4.341929	4.49874	4.261933	4.127391
NOMO3	5.903927	5.631394	6.282255	5.736701	6.297633	6.280721	6.459868	6.227031	5.887568	6.59867	6.362338	7.392956
MAP6	4.8446315	4.9147435	5.595536	4.9702075	4.3268655	4.232461	4.2978145	4.220796	4.539525	3.817229	4.283477	4.011982
TMSB4X	13.46151	13.52946	13.50837	13.60165	13.75857	13.78918	13.32475	13.78557	13.71229	13.46721	13.64226	13.15717
GEMIN4	7.8996765	8.040947	8.0550875	8.013104	7.88546	9.0211005	8.517081	7.8032895	7.462905	7.4363705	7.983865	7.803207
ZNF524	4.908493	4.850613	4.535148	4.527602	4.353912	4.526609	4.346866	4.332661	4.188777	4.446745	4.620265	4.537817
SPATA9	2.794208	3.1526985	3.018636	3.0529395	2.8390075	2.7342955	2.905181	2.8929855	3.2254105	2.7760325	2.831415	2.7488555

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
NGLY1	6.9552655	6.855311	7.3224185	6.6488165	7.978522	7.241292	7.7176905	7.7853135	6.5972455	9.5205675	7.5426475	9.1444455
MYD88	9.744523	9.103973	9.712412	9.438038	10.56492	10.25061	10.52667	10.59636	10.11786	10.26353	10.9587	9.974388
RASGRP1	7.318164	6.83644	5.857365	7.569854	4.487832	4.830341	8.388469	4.139477	4.402804	9.119868	4.589754	9.777416
UBE2S	9.368124	9.339628	9.068154	9.499846	10.99669	10.2578	11.66611	10.72394	9.635986	10.5919	10.476	10.06103
UBTD1	6.275494	6.483463	6.48006	6.410801	6.404246	6.985458	6.381455	6.477825	7.169162	6.285502	6.477825	6.322706
EXOC4	6.851279	6.842175	6.772791	5.571627	5.870389	5.731996	5.528434	5.92417	5.352916	5.705461	5.328176	5.506705
ALDH1B1	6.876753	7.959337	7.4910425	7.278737	7.109189	8.5311675	7.9008365	7.326976	8.355396	6.8143995	8.060097	6.298874
B2M	13.00554	13.19101	12.9631	13.08981	13.35556	13.28144	13.51233	13.39913	13.78139	13.59239	13.74117	13.51909
GLIS2	7.922342	7.786972	8.475113	8.020503	7.52356	7.563157	7.345257	7.585393	10.18705	8.72687	8.288864	8.540359
KRTAP4-7	3.058567	2.382029	2.705426	3.233562	2.712395	2.589128	2.474381	2.628235	2.741669	2.485437	2.727063	2.590752
VPS37A	8.40293	8.2516775	8.4499975	8.4439175	7.7873415	8.592178	7.7468175	7.8738345	8.5067055	7.8650405	8.340733	7.897187
LEP	4.518833	4.396133	6.075057	4.856866	4.107816	4.34388	4.230082	3.990071	4.114353	4.523779	4.135629	4.057832
FASTKD2	5.864708	5.469042	5.665985	6.115861	5.68159	7.034873	6.119608	5.740008	6.573094	5.370296	5.959975	5.651464
MRPS34	8.180159	8.629537	7.976716	8.288652	9.085	9.149898	9.726559	8.992208	8.759015	8.656913	9.324628	8.657166
BSND	5.03728	5.40552	5.346929	5.254126	5.15177	5.218453	5.130374	5.456757	5.352677	4.66761	5.249848	4.584435
GRP	3.581448	3.78167	3.742473	3.745764	4.48909	3.400151	3.349901	4.34193	3.238065	3.524546	3.381429	2.937314
SEMA4A	5.403003	5.119126	5.380386	5.288076	5.4060085	5.1569885	5.134866	5.4744915	5.1783185	5.421919	5.373312	5.3508535
FBXW9	6.173313	6.558335	6.565595	6.760172	7.211076	6.507256	6.707168	6.982882	6.858682	6.381306	7.154757	6.428297
PABPC5	3.474644	2.960505	3.869434	4.026841	4.55265	2.035474	2.894338	4.065917	2.194447	3.706937	3.07476	3.414474
COX5B	10.98453	10.985785	10.75534	11.453095	11.99007	11.58574	12.213595	11.8934	11.091635	11.86136	11.855575	12.07694
KCNMB1	3.6659665	4.2413255	4.1844935	4.3073295	4.2498755	4.247126	4.376893	4.1314585	4.0376985	4.3722745	4.3858145	4.0215135
TCEAL3	9.422434	9.601629	9.181768	9.661041	9.056637	8.538363	9.883532	9.076591	9.843323	8.957849	8.474501	9.346192
PDE8A	7.9415815	7.9217285	8.124052	7.969143	7.6647415	7.3455165	7.491768	7.633355	6.571996	6.7512355	7.331105	6.8188905
FGF3	4.518548	4.710201	4.693882	4.394814	4.598044	4.465882	4.416976	4.237343	4.48708	4.271992	4.620265	4.182747
BCAS1	4.574779	4.230846	4.702187	4.045016	4.019653	3.982066	4.097288	3.946905	3.880726	4.042357	4.084221	4.043947
MRPL34	8.299001	7.645084	7.881549	8.01156	9.433853	9.447375	10.20026	9.355484	9.139512	8.846793	9.65532	9.083639
POLR2D	6.7222955	6.669387	6.682322	7.1195765	6.8521755	7.589691	7.8719915	6.730751	6.530356	7.203348	7.466269	6.4617855
FXYD7	4.022051	4.502211	4.592407	4.152415	4.139647	3.910819	4.700114	4.095505	4.031725	4.313504	4.042925	3.962152
ACTL7B	4.950164	5.423894	5.103957	4.940204	5.146485	4.87907	4.553671	5.017222	5.066053	4.429223	5.231295	4.453239
KIAA0319	4.581164	4.617456	4.421572	4.158047	4.21009	4.565766	3.952482	3.923223	4.258032	4.188557	4.120158	4.191949

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
KLF16	6.6614525	7.200228	6.850957	6.839355	6.628228	6.8524035	6.587576	6.5156945	6.457089	6.589952	6.9260385	6.7495485
ZNF765	6.982041	6.697739	7.298728	7.14027	7.518728	7.92975	7.690937	7.5425	7.651014	7.801886	6.911889	7.764319
CD3E	5.784719	5.892742	5.922159	6.134107	6.190818	5.835244	5.769722	6.127244	5.98945	5.759168	5.945184	5.561573
HSD17B8	6.322597	6.810807	6.657716	6.335595	7.556009	6.818047	8.029114	7.571551	6.87126	7.546594	7.978745	8.061055
GDAP2	5.588051	4.8372415	5.5810725	5.187574	5.523464	5.9868985	5.936831	5.4678795	5.5184095	5.7364775	5.268282	5.9193485
ANGEL1	6.076289	6.402622	5.845119	6.25974	6.555873	8.086577	6.494481	6.499859	5.730324	6.486951	6.525604	6.568842
MRPS33	9.918082	9.64952	9.54678	9.691179	10.35706	10.08392	10.40292	10.31375	9.865217	9.583471	10.22181	9.982095
HDLBP	8.368585	8.72888	8.4566785	8.5612435	7.0991375	7.780117	7.4630835	7.0716435	7.333862	7.498786	7.446294	7.6700505
GRID1	4.048705	4.325864	3.901785	3.818878	4.141692	4.06185	3.99793	4.042849	4.210798	5.046965	4.258577	4.387507
GNAZ	5.34039	5.626904	6.13042	5.721936	6.355767	5.85273	5.841737	6.174644	5.853893	6.096986	6.844487	6.501297
GFRA3	5.183023	5.2873965	5.186822	5.3442515	5.6107445	5.387431	5.504229	5.5990915	5.523521	5.154831	5.587223	5.1777095
HOXC5	6.678698	6.628476	6.524235	6.68741	7.450464	7.978882	7.396651	7.308836	6.177188	6.756159	6.984908	6.511063
UQCRFS1	11.31555	11.32568	11.43165	11.59347	12.14061	12.44262	12.35788	12.07148	11.50416	11.58571	12.1005	11.68905
PTPRO	3.380138	3.117644	3.051697	3.354245	3.036945	3.246441	3.41518	3.253649	3.358805	5.680794	3.261346	5.215182
FBXO21	8.535197	8.543784	8.817772	8.647596	8.792638	8.905801	8.996953	8.568333	8.721268	9.298406	8.376582	9.319241
GBF1	7.756598	8.058943	7.855906	7.662964	6.884283	6.745385	6.853298	6.799819	6.219165	6.765975	6.461401	6.301412
RFT1	6.3424755	6.198172	6.3399985	6.4159085	6.126262	6.3800765	6.2408325	6.2615295	6.3631255	6.042507	6.6902245	6.32712
DDX28	5.8946875	6.161236	5.987281	5.9248305	6.4695835	6.801128	6.8811485	6.471599	6.6640675	6.2702985	6.9999625	6.376259
STRN	6.1523645	5.270839	5.664222	5.7041695	5.2900575	4.679881	5.096154	5.2734355	4.856543	5.913338	4.944117	6.187056
SLITRK4	2.9181125	2.942972	2.9683365	2.7844315	2.775179	2.970208	2.709774	2.6917165	2.8366325	2.830183	2.767645	2.6330245
POU3F4	3.49957	3.988602	3.689378	3.718398	3.805642	3.451904	3.570979	3.547887	3.669991	3.554739	3.722652	3.747865
NPHP1	6.248693	5.822306	5.871641	5.790079	6.259717	4.790035	5.541615	6.013267	5.944515	5.749357	5.994141	5.572499
MRGPRX4	3.590748	3.855336	3.873239	3.687929	3.639266	3.5398	3.326214	3.628525	3.566334	3.791415	3.562467	3.225241
KIAA0753	8.150593	8.091717	8.23002	7.901286	7.751398	7.821808	7.539978	7.735618	8.024652	8.347256	8.423105	7.899645
FSD1	6.164903	6.221872	5.847716	5.978789	5.448378	5.552116	5.638014	5.530191	7.324395	6.079645	5.667753	6.071516
S100A2	7.318164	7.02493	6.763888	7.35031	6.383605	9.233679	6.440444	6.363915	8.622046	5.107492	8.639943	5.205428
MUC2	5.600196	5.767568	5.561446	6.002714	5.720627	5.460592	5.706249	5.665195	5.412638	5.372553	5.681238	5.455698
ETFA	10.05947	9.870947	9.978785	10.38527	11.51787	11.31594	11.36234	11.48222	9.345467	10.07177	10.31248	10.06283
IL13RA2	12.95947	12.73709	11.55151	11.27258	3.278162	3.386683	3.265178	3.450161	3.89028	3.936011	4.20278	3.23548
AQP3	5.965899	6.038507	5.930295	5.846537	7.406504	9.554637	7.915392	7.130943	5.860033	6.689179	6.809014	7.742561

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
HMG20B	7.447809	8.241188	7.079188	7.328238	8.105623	7.505533	7.828774	8.077841	7.456254	7.84197	7.822304	7.599551
GAN	4.359893	3.893305	4.418269	4.267029	4.870794	6.335538	4.800433	4.743888	5.708034	3.804888	4.917452	4.069442
ARL13B	7.334243	6.778855	7.681638	7.841301	6.809346	5.702759	6.918077	6.654358	8.788053	6.980357	6.30052	6.894019
TSPO	11.13281	11.12474	10.96458	11.50759	10.52174	12.15169	10.61268	10.36038	11.26709	10.79096	11.92872	10.3789
OXER1	7.486946	7.596076	7.708723	7.707682	7.813271	7.66835	7.592604	7.63779	7.328732	7.416467	7.579315	7.378655
LMBR1	6.022125	5.680069	5.951856	6.806879	6.470963	6.5570015	6.980892	6.360875	6.8980805	6.847015	6.3059935	6.4540255
AQP10	3.534879	3.567267	3.51606	3.550961	3.268869	4.174864	3.565093	3.522757	3.165677	3.510441	3.586157	3.241918
SON	10.23819	9.935382	9.472605	9.752708	10.03137	10.00352	10.05707	10.06973	9.329047	10.38505	9.516674	10.19765
SCRN3	4.789425	5.0164075	4.7575235	4.959683	5.5746815	5.8221655	5.3847775	5.3267365	5.736261	4.4643815	4.5221435	4.332472
OSGEP	7.132454	6.812503	6.9944	7.298903	7.411652	7.303864	7.855906	7.261719	7.362566	7.568261	7.276044	7.479898
CST1	4.691991	4.736238	4.732543	4.634066	4.896094	4.965721	4.828706	4.873259	4.756556	4.624828	5.296978	4.804037
LIMA1	10.24622	11.12109	10.97811	10.00915	10.01127	9.96468	8.608792	10.18322	10.59853	9.497145	9.169407	8.636103
VPS33B	7.690018	7.534036	7.6455635	7.7074855	7.3890045	7.519009	7.3802095	7.5187085	7.0527245	7.5375005	8.1674995	7.5308855
OR6W1P	3.628545	3.830308	3.522355	4.298285	3.950562	3.958315	4.034306	4.197351	3.712585	3.569562	3.65828	3.604798
CCR6	3.105851	2.798426	3.008233	2.709452	2.889965	2.859426	2.773149	2.624103	2.713222	2.673259	2.964276	2.885406
MAP1A	4.309646	4.863873	4.461476	4.572783	5.184693	4.079429	4.749461	4.917749	4.67044	4.450997	4.381583	4.641106
ST8SIA1	2.7892595	2.642655	2.6397265	2.595289	2.603727	2.628437	2.56389	2.5364145	4.83735	3.0947625	3.527972	2.9667785
SRY	3.442339	3.601676	3.335828	3.672384	3.781822	3.716422	4.251463	4.10928	3.594416	3.529371	3.751283	3.594839
WIPF3	4.5963775	4.9742765	4.925115	4.5433085	4.5847665	4.724857	5.269079	4.6770615	4.769484	4.861087	4.6653545	4.8503205
UBE2I	6.246252	6.215913	6.378632	6.111131	6.315474	6.187581	6.022364	6.252686	6.029558	6.276887	6.027349	6.27146
CLDN20	3.240094	3.474047	3.168017	2.954336	3.034948	3.159752	3.241002	3.05532	3.153616	2.977655	3.011045	3.360657
ITIH2	4.148477	4.234576	4.376406	4.560672	4.601926	4.372258	4.560672	4.600437	4.252762	4.385974	4.433455	4.46308
SUCLG1	6.36662	6.3883685	6.51326	6.4621545	6.884402	6.8705885	7.017314	6.8805975	6.274213	6.746278	6.954209	6.7875755
CD300LF	4.190016	4.220878	4.103619	3.984849	4.255976	3.99177	4.016181	4.069602	3.794591	3.762267	3.984849	3.755153
CD2BP2	7.78246	7.8613015	7.803926	7.984987	7.6515885	7.5156145	7.6869755	7.5596105	7.733349	7.8434935	7.853304	7.6741415
LY6K	4.617154	5.5009855	4.767964	6.369859	3.337989	3.241529	3.774009	3.4943545	3.3047275	2.9380765	3.7722875	3.855523
SMCR8	6.269812	6.056268	6.539591	6.493185	6.723384	6.854612	6.859326	6.608882	6.811406	6.101948	6.771533	6.217971
GNG4	4.121724	4.319422	4.0259845	4.433236	4.3663055	4.3149825	6.4177015	4.4818695	4.2086505	4.6065015	4.5258195	5.0589055
IMPDH2	11.34682	11.47459	11.65134	11.34396	12.07485	11.14058	12.18673	12.01189	11.41389	11.58519	11.69022	11.70196
BMP7	4.3887995	4.446555	4.488567	4.3930685	4.301447	4.3179725	4.2787005	4.3017715	4.3044995	4.08796	4.362343	4.097511

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
MRPS21	10.85534	10.57603	10.5294	10.80379	11.075	10.74757	10.85178	11.07969	10.00473	10.90123	10.97722	11.24921
DLG4	5.2002025	4.934052	4.801144	4.8999835	4.910161	4.571993	4.7811275	5.0880465	5.244057	5.261332	4.8720075	5.2144205
GNAL	2.8103535	3.2599895	3.087849	3.0303795	3.284654	3.350251	3.054135	3.115169	4.270062	3.012545	3.084638	3.1623745
AKR1A1	9.517009	9.49032	9.560999	9.62014	9.744612	9.461319	10.06507	9.693222	10.30891	10.11005	9.601956	9.806552
XRCC2	5.598145	5.483184	5.360894	5.119872	5.428925	4.863105	5.822646	5.384417	4.932053	5.790441	5.170671	6.737091
PTMA	11.034405	11.35463	10.971092	11.1312625	11.673565	11.273925	12.1419	11.634205	10.846342	11.91921	11.308205	11.8471
TMEM44	6.544218	6.601245	6.8366855	6.0382815	5.4852685	5.4358895	5.082364	5.2567575	6.249267	5.5803835	5.666758	5.5170995
UBC	13.499345	13.546225	13.6449	13.442735	13.480465	13.635315	13.31769	13.522145	13.908305	13.147085	13.68331	12.70286
BRD4	7.3443685	7.271434	7.287676	7.5183835	6.783965	6.872564	7.078344	6.9281785	7.295204	7.2839235	7.2236565	7.2503605
SAP30	5.6437875	5.8755705	5.5271945	5.937445	5.920492	5.78359	6.403054	6.184295	6.0094165	5.653508	5.863852	5.3484275
SLC4A11	4.1832895	4.618282	4.782334	4.7537285	5.798651	6.8439805	5.19279	6.0594035	5.7753105	5.422612	6.5333935	5.802571
PGBD2	4.9751995	5.283304	5.446586	5.0002965	5.2755885	5.027505	5.1715475	5.1847005	5.0309015	5.0863365	5.4709365	5.2678235
STS	6.9708705	6.5322795	7.5450485	7.216143	7.3703675	10.859655	7.4144565	7.615171	6.006427	7.069834	7.2493785	7.1632045
DYNLL1	12.08099	11.94324	11.96629	11.89614	12.14439	12.07873	12.14441	12.15663	11.5856	11.8836	12.06728	11.69991
COL9A3	4.42036	5.056468	4.708327	5.021712	6.110861	4.878229	5.244568	5.61845	5.359904	4.537817	4.461223	4.275561
NPHS1	3.780406	4.448564	4.125899	4.037463	3.89891	3.697568	3.97907	4.018389	3.771794	3.597435	3.714441	3.727001
EMX2	9.060266	9.557623	9.863905	8.996477	3.008881	3.07616	2.662731	2.864264	2.742981	3.009051	3.130365	2.985346
SLC9A6	9.079186	8.494629	9.050494	9.238327	8.565702	8.683053	8.958662	8.722809	9.071315	8.9456	8.784668	9.046096
PRMT8	4.2783	4.298317	4.278455	4.2108925	4.252994	4.090584	4.2794395	4.147074	3.9999445	3.771925	4.13288	4.116751
PIGB	7.5488035	6.82332	7.5276585	7.4864585	7.612062	6.929654	7.2799575	7.660101	7.3370905	6.5287795	6.631564	6.534604
SCGN	4.751885	4.774715	4.371446	4.925534	6.078376	5.091749	5.375449	6.011181	4.537817	5.001564	4.774715	4.817348
MAN2A1	8.948524	8.628519	9.190228	9.293472	9.209376	10.55091	8.978157	9.307219	9.945078	8.482807	9.240604	8.525505
AGPS	7.345991	6.8849715	7.308659	7.431413	8.094798	9.1841565	8.517064	8.018069	7.7122175	7.564305	8.1095535	7.688564
GFRA2	4.7519115	4.7320695	4.9781505	4.8588395	4.808824	4.5723575	4.798245	4.867046	4.5545425	4.5348595	4.6079405	4.4270455
IFI6	5.899139	6.544849	6.31288	6.583807	12.72426	8.770062	12.38844	12.58074	13.24909	11.25781	13.63856	12.17902
DNMT1	10.176	9.636518	10.36683	9.827188	9.58165	8.91407	9.914763	9.399903	9.622774	9.210876	8.963871	9.336022
WFDC5	3.408145	3.476343	3.560724	3.239398	3.420887	3.810634	3.590796	3.358426	3.336967	3.474338	3.43204	3.232875
TULP1	4.889658	5.418097	4.5871	4.88677	4.766915	4.644249	4.634991	4.842594	4.909832	4.905984	4.793669	4.170221
CHAC1	7.1441	6.603889	6.174341	7.012329	6.23422	7.267457	6.450095	6.057653	8.957053	8.35769	9.287982	8.635334
GIMAP1	3.029103	2.74711	2.792954	2.892721	3.339134	3.003186	3.249362	3.038497	3.35651	2.887935	3.214398	2.749321

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
DLGAP1	3.915577	3.577795	3.380846	3.073576	3.339135	3.143405	3.153558	3.219479	3.012656	3.863036	3.11639	2.985865
MON2	4.843016	4.887415	4.892027	4.846703	4.591146	5.460402	5.222215	4.938312	4.982953	5.803857	4.607412	5.393622
AAAS	7.601528	8.175085	7.367407	7.565967	7.59438	7.227876	7.80263	7.340142	7.126948	7.434195	7.064028	7.3753
HECTD1	5.5187065	6.087284	5.6690875	5.094654	6.5721295	7.0759595	6.900712	6.6254395	5.502232	5.922181	5.5326355	6.5853185
ZNF554	5.803984	6.0776135	5.9653325	5.8653705	5.718853	5.933528	5.7141035	5.879666	6.143466	5.721147	5.878713	5.7662115
P2RY1	3.24988	3.00359	3.129042	3.313125	3.391922	5.085511	3.721218	3.564175	3.090216	3.597283	2.879563	4.399818
CEP55	9.228072	9.125563	8.906733	9.125198	9.156939	4.137495	9.50223	8.718514	6.486206	8.12131	5.99027	7.773125
MAPK7	7.902869	8.356531	8.6769265	7.356226	6.4188815	6.7518105	6.205604	6.4316015	6.5171775	6.933268	7.1348375	6.7688755
TMEM14C	10.80996	10.90113	10.86468	10.6704	11.16018	10.90273	10.50713	11.2182	11.29288	10.5647	11.27962	10.83842
ZCCHC2	5.173501	4.689208	4.95526	4.642881	5.025931	5.441615	5.563879	4.92455	5.241933	5.320746	5.942155	4.943306
MS4A4A	2.784177	2.809987	2.565665	2.641278	2.627027	2.969167	2.656731	2.683139	2.716413	2.887137	2.717783	2.61953
BDKRB2	9.014443	8.58437	9.14159	8.666082	5.749729	5.579995	6.897788	5.021599	7.342328	5.937413	5.774094	6.454619
ZW10	8.411266	7.857035	8.247935	8.521927	8.208674	8.381903	8.388734	8.188803	8.273795	7.535271	8.242024	6.508318
KCNMA1	4.112425	4.7461955	4.422782	4.82541	5.27921	6.264127	4.646599	5.461249	5.423559	5.9566335	6.773959	6.116695
ABAT	6.677655	5.882255	6.248474	6.168066	9.45731	8.280362	8.955891	9.523905	6.707635	8.261918	10.79876	8.163886
ARMC4	3.8408355	4.09075	4.074788	3.9051565	4.026118	3.8910435	3.881191	4.001097	5.3733025	4.0035455	3.966711	3.9208825
NPFFR2	3.418186	3.465438	3.00583	3.294173	3.420553	3.278613	3.540105	3.259479	3.22889	2.873834	3.089708	3.122841
CDCA7L	9.158507	9.657765	9.947052	8.963531	7.454726	7.28077	9.236186	7.09765	8.91105	8.359679	7.441898	9.499923
DNM1	8.639004	9.238658	8.691105	7.056343	6.201517	4.006927	4.465881	5.678332	5.603388	6.745952	5.736385	7.149551
PARD6B	2.841558	2.796303	2.950633	2.885166	2.698498	3.616398	3.697162	2.786695	3.345704	3.185118	2.827957	2.621228
MEPE	5.039028	5.45812	5.072605	5.782264	5.30603	5.183518	5.325837	5.444218	5.302199	5.314851	5.170227	5.560439
PSMD7	9.628419	9.14609	9.648883	9.937937	10.25705	9.863192	10.46793	10.32245	9.976295	9.437735	9.971203	8.995564
DHCR7	6.0635095	5.957479	6.5233365	7.324727	8.0995485	10.02447	9.2302965	8.029871	8.4137955	7.7997715	7.812066	7.7577295
NDUFB7	6.411852	6.713802	6.472399	6.907491	6.867863	6.852313	6.9294745	6.7394455	6.8065485	6.633832	6.916506	6.702983
ZBTB4	8.918439	9.162565	9.11068	9.0075805	8.369564	7.8194215	7.4866775	8.4786985	8.521537	8.5387615	8.582999	8.7174955
PLG	3.955849	4.681269	4.321806	4.616697	4.397283	4.041808	4.588926	4.441227	4.329043	4.279821	4.596314	4.830163
TNFRSF17	3.123077	3.271382	3.269156	3.441904	3.20094	3.149175	3.103843	3.158713	3.193396	3.011097	3.346426	2.990438
FMO3	2.9331665	3.0565375	3.3332665	3.1234885	3.019204	3.195394	3.1647265	3.0220555	3.184373	3.112518	3.0135265	3.196291
MDGA1	5.718318	6.183182	5.873051	5.676029	5.928762	5.400935	5.563405	5.582506	5.565114	5.028311	5.55654	5.498723
DGKI	5.063651	5.065483	4.624828	5.410167	4.217586	5.637417	3.945862	3.935565	6.588777	4.161592	5.040273	3.443693

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
UCN2	5.118237	5.160263	5.413729	4.695471	5.277527	5.306303	5.6414	5.308013	6.14784	4.910285	5.801722	4.757256
AFF3	3.742842	3.7564775	3.962795	3.951869	3.8271445	3.905986	3.698208	4.0014445	4.2561025	3.740261	4.259588	4.0359765
B3GALT6	6.94948	7.096518	7.558922	7.785625	7.392179	7.910228	7.902827	7.269302	7.287812	7.615555	7.489178	7.771494
HIGD1B	5.130609	5.145428	5.004203	4.714098	5.2713	4.997839	4.99693	5.360779	5.075163	4.580544	4.813369	4.639554
WTAP	7.975982	8.086647	8.477206	8.187592	6.460404	7.125853	7.062651	6.712474	7.452949	7.305348	7.554689	6.918507
MARVELD3	4.607798	4.448756	4.409093	4.480506	4.621376	4.309645	4.478647	4.438683	4.182324	4.179035	4.465881	3.994248
IL13RA1	8.669806	8.908003	8.753302	8.1085215	8.39521	8.4603445	7.1282955	8.4260185	8.0410625	5.5997815	6.849725	4.5277585
SECISBP2	7.8042065	6.968054	7.0195065	6.902739	7.1087805	7.0477355	8.1629805	6.989547	7.3144575	7.8626705	7.491952	8.127765
EVI5L	4.419696	5.123844	4.406218	4.6471865	4.4480245	4.412637	4.483761	4.338687	4.1065115	3.6283345	4.287165	4.104861
MTMR11	7.5800065	7.6554005	7.483804	7.0117225	6.220881	6.324354	6.030574	5.961922	5.994912	6.17455	6.6224125	5.7621915
OASL	4.954131	4.9092955	4.823336	5.1684255	5.4349215	4.872651	5.0879775	5.343688	8.475967	5.4741665	9.2856575	5.814573
NCAPG2	8.290652	7.902663	7.830061	8.156012	7.090293	4.818151	7.865256	6.47995	6.478347	7.513984	6.396563	7.271303
RBP3	5.856458	5.859591	6.251253	5.862243	5.741309	5.717874	5.734744	5.81999	5.656708	5.746772	5.804289	5.860553
SNTB1	4.566385	4.8251795	5.248827	4.7456645	3.9857455	4.3721965	4.14907	3.8820925	4.986669	3.5365315	5.0470815	3.6819075
PNMT	5.580872	5.650839	5.524196	5.650113	5.572567	5.702759	5.53748	5.469719	5.203987	4.966396	5.819535	5.189168
MAP3K6	6.901068	7.303434	6.298174	6.199669	5.762121	5.443151	5.574603	5.585823	5.398017	5.67919	5.747058	5.497327
VDAC3	10.09424	9.981225	10.20662	9.99865	10.409	10.35152	11.19633	10.36108	9.358738	10.17451	10.29669	10.22656
TACR1	4.274644	4.2830025	4.2909825	4.159861	4.3301015	4.218129	4.070304	4.243324	3.9716125	3.8990635	4.057327	3.97324
PCSK2	3.487842	3.395085	3.7561405	3.2005875	3.490195	3.615912	3.578147	3.5055995	3.3033685	3.436829	3.731814	3.364494
CD200R1	3.2576425	3.5930125	3.490621	3.3890995	3.2891325	3.469092	3.5948735	3.398113	3.280474	3.4629665	3.515191	3.288268
ATG9B	4.14893	4.418869	4.257696	4.254003	4.1602445	4.167098	4.356173	4.231134	4.0960115	3.880234	4.2922225	4.087418
RBM41	5.684739	5.438038	6.035867	5.896493	6.9840805	7.5359855	6.9309205	7.1035065	6.9202635	6.569287	5.645082	6.661948
C1QTNF6	5.3506575	5.152107	4.985391	4.9835885	7.4682845	7.0595095	7.464039	6.96135	5.6369395	7.641692	5.816569	7.7707065
GNAI3	9.606688	9.505545	9.54996	9.271611	9.361341	9.473192	9.391422	9.375957	8.674664	8.210299	8.483533	7.735541
FGB	3.4334955	3.3466	3.669843	3.187479	3.3072645	3.3013625	3.301307	3.2934995	3.3553665	3.0657815	3.299996	3.2528655
ACP6	5.867155	5.51682	5.3159615	5.40966	6.519738	5.8344275	6.2390925	6.5985925	6.589142	6.726018	6.6417	7.8185735
ZNF557	4.826484	4.6508185	4.8033965	4.780744	5.275656	5.1744145	5.0744745	5.3620775	4.903466	4.7786205	5.0099515	4.440873
MEGF10	3.269396	2.803483	3.038022	3.092072	8.947225	4.814795	7.063235	8.846403	4.903465	9.927109	5.661152	9.523163
ZNF256	5.596103	5.975236	5.838548	5.393979	4.968552	4.44038	4.968944	4.959072	6.102683	6.404964	6.060692	6.566668
BFSP2	4.002425	4.38305	4.46609	4.033231	4.095815	4.033231	3.581613	4.0239	4.031139	3.994248	3.708495	3.048398

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
DUS1L	8.631201	8.714538	8.707082	8.51101	8.588264	9.3578	9.083673	8.657817	8.27961	8.738453	9.049954	9.05015
GEM	8.814616	8.862958	8.031918	9.255177	7.878424	7.475863	6.325686	7.718815	8.128038	8.297336	8.122179	7.907892
CD248	10.50399	10.38266	10.77637	11.16295	8.352019	9.468215	8.978474	8.479559	8.493208	9.296824	7.2997	10.1864
PAQR4	6.723186	7.113481	6.997132	6.983659	6.36516	6.383505	8.195475	6.136754	6.24416	7.990647	7.841483	7.798741
FXN	5.3514465	5.645774	5.915907	6.0834105	6.592805	7.7207835	7.056807	6.5988895	6.4663685	6.4994235	7.244255	6.779478
TNFAIP8L1	6.305386	6.59867	5.943772	6.263657	5.449458	4.99161	5.482184	5.256849	6.008566	5.865764	4.682956	5.013565
DENND4C	5.5213365	5.4736745	5.734396	5.637495	5.112155	5.369414	5.7890455	5.1130535	5.571325	5.2402355	4.8027485	5.3409
PNKP	7.529064	7.413686	7.595876	7.486248	7.627995	6.79811	7.572921	7.494397	7.656008	7.661613	6.374394	7.742437
SLC26A8	3.014511	3.363773	2.895259	3.56936	3.264229	3.116645	2.931418	3.264229	3.422079	3.219566	3.23951	2.772415
DARS	10.267315	10.84126	10.311465	10.220123	10.316895	10.193183	10.3822445	10.2227005	10.37386	10.669008	9.933555	10.769235
TBP	8.227827	7.848712	8.031904	8.12176	8.173891	8.264666	8.346999	7.9621	8.699539	8.124567	8.577229	8.029745
KLF13	5.324401	6.535611	6.015036	4.908252	7.51181	8.005985	8.070736	7.474753	6.329458	7.546834	8.463667	7.87943
TTTY12	3.218707	3.168399	3.028242	3.261871	3.514005	3.357881	3.380812	3.483016	3.4238	2.937379	3.055731	3.370795
TP53INP2	7.778414	7.529965	7.674793	7.847098	7.952274	7.634071	7.949301	7.941187	7.785756	7.15299	6.87675	7.198034
NOVA2	4.7339575	5.0988995	5.0055245	5.0107495	4.867529	4.718494	4.6024735	4.8943185	4.7913055	4.7441345	4.796549	4.6760885
NFE2L2	5.663483	5.85871	6.381138	6.120531	6.902904	6.494006	6.732776	6.926372	6.543997	4.945626	5.975798	5.414568
KDELR3	11.63552	11.41136	11.29657	11.47299	8.671305	8.961897	8.635065	8.70391	9.822407	8.61703	9.350114	8.203804
NR2E1	3.154511	3.242412	3.11503	3.070994	3.161328	3.308543	3.11856	3.067218	3.216823	3.267621	2.945831	5.472891
TNNC1	3.775191	4.125039	4.125039	4.00077	4.704336	4.906312	4.923769	4.815235	3.784315	3.835033	5.503232	4.15393
LRFN2	4.205041	4.310658	3.922688	4.192767	4.032643	4.149398	3.979852	4.10462	4.155199	4.107551	4.051261	3.793876
NUDT9P1	3.770643	3.856546	4.24177	3.306941	2.909174	3.240251	2.760826	3.138449	3.572742	2.872762	3.007612	3.137481
ACVR1	9.59087	9.345901	9.473829	9.551131	10.30315	8.961611	8.480903	10.34829	9.777327	9.078989	9.654375	8.167203
FGF19	4.343101	4.439476	4.593669	4.182737	4.43721	4.545418	4.429764	4.562287	4.53865	4.213928	4.482458	4.179981
IGFBP7	8.782946	10.0709	10.85442	10.96069	12.57033	12.18662	11.32352	12.6635	12.98124	9.199942	12.83515	9.312321
ULK3	6.913324	7.145765	6.878743	6.715856	7.807507	7.914647	8.073081	7.772171	7.133578	7.847951	7.826225	8.264689
ANGPTL1	3.117167	2.479976	3.298917	3.842452	2.429348	2.698537	2.7619	2.666325	3.390795	2.553466	2.441546	2.627132
SIGLEC8	3.509567	3.614308	3.4017	3.399024	3.726089	3.57424	3.776136	3.654376	3.734145	3.566345	3.614308	3.676057
ZDHHC9	7.8155595	7.98342	7.895703	7.576881	6.6528915	7.126425	6.477354	6.5104185	7.099581	6.6616185	7.5902895	7.3423165
BOK	7.633289	7.969625	8.673031	8.505811	8.952255	8.635372	7.903742	8.724513	7.498083	7.755707	8.249815	8.126428
MTCH1	11.78947	11.59981	11.91837	11.9689	11.49059	11.48926	11.12676	11.44695	11.68974	11.16946	11.39828	11.0651

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
SLC25A45	4.6711985	4.4834145	4.5927145	4.9080695	5.0634305	6.180117	4.779546	5.410792	5.1126215	4.2074325	4.83469	4.471711
JMJD4	5.977935	6.228076	5.988113	6.527568	6.678024	5.946415	6.650279	6.496622	6.869889	6.370736	6.479547	6.425322
MRPL49	9.557591	9.382032	9.347054	9.534377	9.986712	9.502047	10.14823	9.989913	9.704993	9.77279	10.00632	9.670935
CIDEC	5.600498	5.722638	5.577286	5.738168	5.609437	5.575225	5.594484	5.479582	6.171512	5.5868	6.018032	5.59845
IARS	7.157452	7.289962	7.365388	7.1966285	7.005983	7.2274345	7.227923	7.202622	7.5142335	7.1081515	7.3657625	7.2988485
MGAM	3.461521	2.928101	2.87913	3.265714	3.022195	2.975819	3.139677	3.185009	2.869383	2.764227	2.878975	2.971517
TMEM87B	8.7742615	8.4667345	8.8747245	8.6255395	8.556449	8.053459	7.1011735	8.7612555	7.5968155	7.641679	9.30691	6.825614
VPS26B	7.571626	7.818418	7.8498895	7.9841045	7.7177275	7.376812	7.6034875	7.571878	6.5913015	7.4987485	7.3678025	7.7105115
AKR7A2	9.469247	9.7707825	9.7519405	9.9660565	10.1353725	9.9163755	10.13779	10.1625755	9.1844995	9.7931455	9.6700755	9.785919
SCGB1D1	3.424418	2.972409	3.230926	3.132938	3.244179	3.358118	3.21401	3.082777	3.206177	2.990589	3.52711	2.907719
KIN	4.489244	3.955534	4.044629	3.942163	4.589802	4.328945	4.118149	4.782845	5.481202	4.57522	4.33486	5.630011
OGFR	7.0150985	7.4035755	7.1874765	7.0283485	7.254093	7.2799425	7.4184945	7.1893625	7.4769165	7.258795	7.50533	7.4122425
HCG4	3.964314	4.540757	5.621539	3.239361	3.265178	4.67883	3.269191	3.170655	3.607218	3.521493	3.289042	4.01679
STAT1	9.564335	8.9378065	9.681321	9.1546025	8.7881575	8.3235275	8.8550485	8.9666935	10.52931	7.9864225	9.2634845	8.502549
GYPC	5.986574	6.2950325	6.5630265	5.8344925	6.0455655	7.132213	6.734174	6.0983295	7.0516995	6.2203435	7.154851	6.1977965
COQ10B	5.9607195	5.9679165	6.054168	5.987034	6.6457985	6.7173135	6.1818055	6.81339	6.6917865	6.02384	6.9083135	6.179679
PSME2	10.65739	10.23128	10.09406	10.79435	10.90494	9.627976	10.89904	10.84762	11.62864	10.78559	11.60424	10.85076
FBXO40	4.3570935	4.7130345	4.530245	4.543018	4.2789035	4.4935325	4.219587	4.2842265	4.378132	4.095909	4.2742905	4.3081095
PRKAA1	6.73585	5.754435	6.440257	6.822213	6.631706	6.830569	6.63297	6.54739	6.458062	6.133108	6.538815	5.9221
PAIP2	10.12751	9.893807	10.14939	9.845355	10.60139	10.00125	10.38786	10.58107	10.02381	9.819321	9.657084	9.482581
FTSJ1	8.9387335	9.0299955	8.715684	8.9837225	8.7921275	8.530115	9.180199	8.8355635	8.45177	8.0790675	9.104111	8.2099085
KCNIP3	5.126448	5.575951	5.445907	5.024337	5.233813	5.138183	5.270952	5.2844	5.225833	5.113506	5.26788	5.034013
ZIM3	2.551515	2.772052	2.666322	2.642943	2.494315	2.536796	2.698211	2.51405	2.616891	2.475436	2.459901	2.571858
ABCA1	5.796731	5.484919	5.6950455	5.4557225	5.776131	5.881529	6.135813	5.9837505	6.1571155	6.033357	4.8034625	6.2599275
THEG	5.087546	5.494644	4.960484	5.457737	5.243059	5.224924	4.812569	5.188316	5.406363	5.127264	4.98386	4.417855
SYTL3	2.877961	2.9786455	3.12908	2.844628	2.861198	2.819769	3.052806	3.002712	2.974939	2.6816635	2.9249205	2.935813
NSUN6	5.1200815	4.7575125	4.601981	4.9110245	5.95805	5.887878	5.8755325	5.856007	5.4943495	6.4815615	6.071846	7.111324
ARFIP2	9.069477	9.16548	9.027864	9.173882	8.648716	9.109104	8.434783	8.425726	8.342291	7.975746	8.179563	7.766174
CINP	5.999311	6.151065	5.92622	6.191387	5.8544	6.477338	6.146716	5.927212	6.34518	6.170313	6.3645	5.976957
GNMT	4.628296	4.964005	4.890279	4.914445	4.898469	4.623859	4.830865	4.794252	4.79623	4.641918	4.381582	4.342707

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
SH3BGRL3	12.04071	12.39482	12.04903	12.19391	10.41616	11.66453	9.804051	10.15435	9.03756	9.244781	10.71238	8.829258
GYG2	4.650989	4.812433	4.641333	4.986052	4.752407	4.254988	4.693842	4.315668	4.975545	4.850764	4.125057	5.559913
KL	2.564698	2.87049	2.812766	2.513647	3.498253	2.974467	2.946297	3.672943	2.572383	2.762207	2.84604	3.822384
CCDC63	4.42251	4.97479	4.638684	4.944971	4.897881	4.730389	4.70494	4.687506	4.742237	4.508583	4.281661	4.247557
MICALCL	4.149124	4.314376	4.446815	4.045889	3.627633	3.807317	3.523256	3.789313	3.614598	3.360006	3.721345	3.837086
SLC10A7	3.562052	3.558327	3.642494	3.922642	3.337458	3.611528	3.599036	3.559323	4.155199	3.380251	3.381429	3.22255
CSNK1G1	6.3425115	5.8583785	6.092098	5.641421	6.2739315	7.0434205	6.777107	6.16678	5.613068	5.663117	6.855816	5.885731
VAV2	6.251609	6.774535	6.392654	6.582818	6.159867	6.038906	6.273777	6.255414	6.330063	6.478354	6.357576	6.297969
SCAMP4	5.6504205	6.6437915	5.4367005	5.747325	5.667646	6.3885145	5.4717915	5.5082345	6.175881	5.479516	5.74647	5.4996715
NDUFB11	10.36615	10.36659	10.04708	10.40977	11.01705	10.68201	10.9887	10.93769	10.32199	10.8952	10.42807	10.55866
ATCAY	5.460932	6.02973	5.974412	5.271682	5.279997	5.365273	5.2266	5.418097	5.418661	5.261635	5.349366	4.765931
CPEB3	3.396771	3.573699	3.492883	4.405574	4.985972	5.124468	4.971139	4.821609	4.959746	4.692049	4.815221	5.041931
TAF6	9.090994	9.067883	8.704688	8.7598	8.620234	7.878964	8.597113	8.469372	8.662973	8.440781	8.273364	8.407169
MX1	4.859743	5.301625	5.294722	5.783614	8.284245	3.910524	11.05267	8.289418	12.27304	9.091276	11.97872	10.29634
PLEKHH2	4.045839	4.4935045	4.0411565	3.7069195	3.580626	3.618082	3.355008	3.5360165	4.2781815	3.669312	3.5585775	3.569619
PAEP	4.569869	4.740754	4.782431	4.940569	5.212199	5.174839	5.081538	5.435511	5.018854	4.778535	5.675304	4.661801
IL20RA	3.788857	4.138492	3.871007	3.88341	3.493722	3.511359	3.51337	3.510008	4.377004	3.655624	3.678921	3.237925
OSCAR	3.981509	3.815104	3.892375	3.450918	3.311184	3.508738	3.013659	3.505593	3.983405	3.161328	5.749975	3.341514
MGAT3	4.536451	4.872384	4.423239	4.533426	4.756338	5.227689	5.190269	4.457223	4.408322	4.862679	5.132204	5.280331
ANXA13	4.489193	4.744056	4.791299	4.586005	4.297975	4.36639	4.386445	4.08572	4.253119	4.306869	4.364471	4.399429
MAP4K5	8.986702	8.866445	9.114839	8.699282	8.488066	8.615974	8.441767	8.496732	8.746658	7.790316	7.15157	7.23972
GALNT6	6.6096875	7.390501	7.3240115	8.309829	6.651336	8.589935	7.520061	6.650915	4.7545375	6.690449	7.0262525	7.1479125
YARS2	8.14871	7.649531	7.874835	8.245461	8.559515	9.197924	8.619827	8.631735	8.332908	8.410565	8.710222	8.703045
OR2L13	2.582015	2.28043	2.445676	2.447417	2.50432	2.364427	2.22896	2.370186	2.328773	2.209175	2.400594	2.380259
TEC	5.259401	4.995933	4.855989	5.131872	5.66136	5.613665	5.113792	5.484951	5.645809	5.37543	5.440617	5.177359
OR11A1	2.861949	3.031402	3.129065	2.964622	3.133078	2.974535	3.08603	3.038498	2.908262	2.866844	3.197412	3.145066
CTRC	5.280124	5.766366	5.375901	5.466009	5.07525	4.920362	5.082996	5.075667	5.165099	4.850764	5.283358	4.538536
TJP3	4.9817245	5.5289095	5.2323145	4.968747	4.702455	4.7104055	4.631265	4.738253	4.8130585	4.511936	4.768688	4.478086
SMAP1	9.090993	9.228416	9.386709	9.060638	9.146862	9.594323	8.493965	9.312901	8.952236	8.489206	8.922756	8.453617
ATG4B	8.675341	8.559694	8.311955	8.485828	8.399128	8.909595	8.172706	8.366686	8.521777	8.313319	8.767609	8.16263

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
ARHGAP25	4.418056	4.681999	4.486125	4.684962	4.691264	4.39303	4.704724	4.714499	4.528628	4.252308	4.673425	4.229157
MYLK2	6.065618	6.88286	6.339491	6.470638	6.302164	6.565892	6.183615	6.400042	6.76839	6.225747	6.434086	6.134323
PRL	4.40622	4.577573	5.114298	5.135823	4.821774	4.718812	5.367314	5.213988	4.574923	4.793777	4.318857	4.551913
CDKN1B	8.967302	8.975143	9.129068	9.461197	9.24308	7.665554	9.454212	9.102757	9.34352	9.197297	8.759303	9.37214
SLC38A1	5.314296	5.368126	6.02982	5.312544	6.207761	6.772931	6.740988	5.892174	6.420273	6.590033	7.428214	5.992745
SAAL1	7.841901	7.790216	7.778203	7.97168	8.384598	8.197171	8.970009	8.21957	8.156504	7.812176	8.173388	7.5387
ROPN1L	3.1286135	3.328256	3.40107	3.3402615	3.111587	3.6523885	3.0952425	3.0428615	2.792855	2.8323945	3.305316	2.6873415
XCR1	3.819359	3.974099	3.857026	4.1730195	4.0385435	3.9147625	4.088587	4.0767415	3.9246475	3.7449475	4.0800075	3.455627
SP7	4.132012	4.411821	4.21009	4.222282	4.914152	4.41698	4.486093	5.177039	4.377287	4.280581	4.445872	4.272527
NTF3	4.893063	6.263556	6.021872	6.749174	7.375762	7.987078	7.821087	7.254312	5.558167	8.481586	8.109103	10.30861
CORO1A	4.758054	4.89897	4.494331	5.08021	4.259272	4.480311	4.770136	4.515196	4.105132	4.89261	4.342038	4.021202
PIAS2	5.729219	5.1975595	6.362427	6.290218	7.1282105	6.872544	6.7078715	7.136818	6.5566175	6.7728205	6.1249905	6.3282405
ASPHD1	7.719349	7.7608045	7.8423725	7.763268	5.969705	7.061112	6.386491	6.1235265	7.08485	6.693986	6.608011	7.4445635
HOXB9	5.4504295	5.5527705	5.4730805	5.466092	5.479638	5.451992	5.339968	5.3671605	5.293734	5.254591	5.459231	5.326033
ZNF430	6.1253195	6.160952	6.3730265	6.392425	5.85391	6.2749845	6.622554	5.935752	5.861182	6.0774905	4.9031305	6.1875325
SMYD4	7.077628	7.006643	6.7396	7.005622	6.589001	6.508799	6.865216	6.482709	7.398178	6.979508	7.317015	7.109275
MYH16	3.253639	3.455969	3.088984	3.115474	3.278249	3.265364	3.130598	3.202995	3.282056	3.018739	3.387557	3.253815
ACTA1	4.115392	4.404585	4.296311	4.411917	4.356425	4.441102	4.455308	4.730285	4.042482	4.189074	4.287209	3.839387
ANP32C	3.76845	4.170205	3.94333	3.83559	3.950139	3.890255	3.916923	4.025259	3.692111	3.467061	3.668676	3.457547
MRPL37	9.457024	9.193854	9.017894	9.575381	9.725792	9.622797	9.886777	9.652522	9.015669	9.167524	9.729402	9.115024
WDFY3	7.0717925	6.817876	7.472907	6.7288975	7.0130005	7.0403115	7.2283305	6.9969305	6.3313365	7.1303885	6.712111	7.15987
GSN	5.0305545	4.9966095	4.9287225	5.0431465	5.0919715	4.7409965	4.907116	5.155116	4.754771	5.313525	5.226594	5.6002615
RIPK4	5.374512	5.375231	5.381993	5.8600145	5.2302265	5.452998	5.108949	5.203361	5.7796475	4.9319055	5.2997475	4.7843265
SPPL3	5.889236	5.931923	5.958315	5.922606	5.737267	6.452282	5.90889	5.552116	6.826358	6.261161	6.265836	5.879134
MAN2A2	6.064709	6.13291	6.4393945	6.3153225	6.3099675	6.997361	6.5746425	6.358123	6.559107	6.3022105	6.2403395	6.4080565
PCDH11X	3.012203	3.108775	3.246862	3.133133	3.084974	3.263369	3.562878	3.280248	3.048485	3.070622	3.342227	3.438298
PRDX6	11.250125	11.13603	11.396175	11.76114	11.471965	11.921795	11.444585	11.495415	11.51798	11.32486	12.146655	11.28465
PTPN14	8.311045	8.339014	8.716323	8.4355665	6.3170735	7.337357	6.5053045	6.2897945	7.8095225	6.63378	6.280842	7.890695
TTLL2	3.822225	3.654479	4.028311	3.808971	3.85892	3.756115	3.719115	3.863364	4.34193	4.170269	4.023642	3.354944
EHD4	4.926557	5.109606	5.250134	5.518729	4.535824	6.005527	4.476243	4.484424	6.023046	4.785704	5.456894	4.379261

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
BRIP1	7.0886905	7.0824905	6.69296	6.9192675	5.887404	3.2743685	6.502252	5.688968	6.3225335	6.0568295	4.101568	5.934133
SUV39H1	7.450634	7.376633	6.884513	7.054496	6.65972	6.367776	7.176417	6.718333	6.178246	6.661606	6.697179	6.77647
COL21A1	3.33189	3.330035	3.37558	3.693338	3.35576	4.295938	5.13061	3.498284	4.77476	7.849241	3.663542	4.960316
PPP1R7	9.096093	8.705056	8.730844	9.277544	9.082969	9.237039	8.918373	9.007089	8.976153	8.690621	9.420979	8.649384
S100B	2.5813315	2.6254575	2.5872035	2.6810335	2.610567	2.5928375	2.5722715	2.5426075	2.569508	2.595045	2.591764	2.7555765
NDUFS2	10.12958	9.971353	10.0768	10.30435	10.74143	10.33893	10.89654	10.76709	9.999285	10.54455	10.59029	10.68749
KCNQ5	4.3487945	4.6473095	4.677009	5.033211	4.649975	6.608822	5.903829	4.719423	5.196553	5.361735	6.248833	5.6347685
ZNF35	5.847577	5.725658	6.228252	6.011122	6.800898	6.956756	6.800898	6.881689	6.540463	6.319256	6.67598	6.21449
TAS2R39	3.661054	3.409914	3.803559	3.710177	4.237021	3.649555	3.81555	3.942097	3.895337	3.34462	3.766645	3.578565
FDXR	6.357329	6.877969	6.090268	7.495365	8.308987	8.965729	8.735272	8.640379	6.951742	8.715417	8.754402	8.504706
RHOQ	9.589873	9.435253	9.7145055	9.444015	9.9817555	9.6589555	10.406785	10.074724	9.3805435	9.4968885	9.263564	9.019666
PPP2R3C	5.25806	4.473511	5.022388	5.011839	5.164083	5.40692	4.952662	5.081227	5.219595	5.342117	5.182301	5.054781
PGLYRP4	5.345045	5.453221	5.404532	5.413684	5.104616	4.920831	4.933152	5.525278	5.706715	5.357951	5.413684	4.796542
ZNF480	4.430186	3.843182	3.886895	3.583756	6.791161	6.929804	6.919062	6.689635	5.0442	5.052908	4.599964	4.407049
NOD1	6.3223405	6.7364895	7.0972815	5.99373	6.489035	5.8248025	6.1507695	6.305212	5.705112	6.4016245	6.4051565	6.4833755
IL1RL1	5.0986085	5.1450045	5.325752	5.4687485	5.530411	7.9554215	5.2914705	5.476142	5.2817295	5.3231325	9.462695	5.181729
EIF5A	10.3353	10.18776	7.232496	10.2206	11.13358	11.6679	11.44126	11.10352	11.22056	10.80684	10.81157	11.01826
OR8G1	3.480337	3.429716	3.371579	3.723185	3.86334	3.510176	3.693345	4.02426	3.890523	3.64928	3.841382	3.901052
GMEB1	6.896261	6.7639155	6.819012	6.800036	6.6710845	6.6665	6.4173955	6.6457525	6.377246	6.6216655	6.650026	6.488101
STIP1	9.4033965	9.331525	9.0067985	9.2553995	9.6147975	9.8649495	9.8879975	9.784005	9.43947	9.281762	9.9496555	9.0898395
KCNH5	3.247036	3.329749	3.20852	3.269325	3.302722	3.601883	3.319484	3.222036	3.154749	3.247036	3.418421	3.102535
PPP1R3A	2.603866	2.708621	2.6982655	2.5873065	2.7811845	2.6831165	2.577004	2.7945045	2.695802	2.5867605	2.792339	2.704976
SNX5	8.331853	8.2433115	8.1616035	7.8120865	8.7332465	8.041919	8.8168835	8.6923125	8.5711585	8.1771775	8.2201725	8.2975905
PTH	2.251158	2.551788	2.611419	2.480202	2.471911	2.41613	2.298086	2.446476	2.341083	2.466309	2.514602	2.1956
LOXL1	11.81892	12.37164	11.66147	11.61158	7.507188	9.941078	6.364748	7.310971	11.90909	9.78264	7.95656	7.277312
PKIG	10.16124	10.28819	10.32272	9.853831	8.863809	8.860626	7.576411	8.791309	8.590946	7.876159	8.329102	7.497018
KLK14	5.783165	6.218277	6.004152	6.080369	5.88671	6.357549	5.846375	6.163671	5.863403	5.573467	5.710416	5.694217
GRHPR	9.529984	9.453443	9.624977	9.588688	9.87626	9.750028	9.798732	9.93644	9.244362	9.917405	10.3392	9.846804
PIP5K1C	7.582454	7.859173	7.822996	7.913165	7.218205	7.640427	6.615022	7.073775	7.012745	6.974271	6.900622	6.626916
TCN1	4.363954	4.269555	4.027531	4.228049	4.980284	4.691535	4.384249	5.484636	4.041052	4.274709	3.992363	3.953072

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
SFPQ	9.094297	8.534894	8.937016	8.123205	9.066157	7.352873	9.549831	9.026855	8.551743	10.88175	8.968819	10.97245
POMT2	6.808565	6.5464115	6.739397	6.633591	6.596522	6.451091	6.414766	6.528057	6.8888255	6.9083965	7.00954	6.6594055
GBP4	3.440255	3.318579	3.668448	3.410571	3.596086	3.2073495	3.3355035	3.5329005	4.376912	3.3061975	3.4271445	3.4874675
SGTB	7.290983	6.8129	6.6621965	6.941947	5.700344	5.7590375	5.7386265	5.6841505	6.689832	5.5455485	6.346109	5.92097
CREG2	2.6551445	2.7392525	2.762675	2.590258	2.7943025	2.8203955	2.8450725	2.8583675	2.629299	2.9146165	2.6948435	2.7753075
ADCY2	4.46618	4.907841	4.853596	5.296596	5.117854	4.741261	4.927665	5.115408	5.069264	4.9523	5.319421	5.0782
BASP1	8.481149	8.938934	8.7084405	8.54896	5.8971435	4.461627	4.4862705	6.3194315	8.738443	4.8859375	4.442652	4.6026305
FOXP3	4.964728	5.114388	4.706399	4.963415	4.873225	4.681072	4.871944	4.799611	4.58966	4.561925	4.87148	4.490373
LHX1	3.988372	3.930134	4.00124	4.086458	3.869016	3.814257	4.065874	3.863364	3.838243	3.695317	3.943213	3.803924
TLL1	2.806951	2.557082	2.9518575	2.7509395	2.6754005	2.7303005	2.4502895	2.5555595	2.554015	2.688624	2.9280975	2.5488445
MYC	10.63433	10.48798	9.979895	10.07848	11.05832	11.2276	10.95458	11.08912	10.51052	10.80686	10.47841	10.87367
DNTTIP2	9.617656	9.445546	9.62976	9.642798	9.907591	10.30725	9.904754	9.829611	9.741533	9.760519	8.998055	9.941827
OR2F2	3.656629	3.832684	3.642172	3.78501	3.676057	3.714736	3.447485	3.283337	3.732255	3.419731	3.89337	3.248528
DNAJB12	6.8168025	7.0792845	7.056041	6.840847	6.99045	6.98977	6.8874085	6.8745205	7.034164	6.561301	7.086531	6.6973495
PISD	7.020948	7.037109	7.328167	7.232093	6.84028	7.603058	7.056184	6.883661	7.939522	7.163229	7.288575	7.076509
TBX19	5.476708	5.701863	5.317766	5.567537	5.388797	5.133146	5.260791	5.327098	5.671717	5.479574	5.451025	5.138518
TBX18	4.093979	4.2632335	4.105101	4.2841305	4.4195075	5.3382095	4.5805675	4.493785	5.2416955	3.4951415	4.136689	3.9531755
BOP1	7.130868	7.3754935	6.861311	7.566251	8.147497	8.445492	8.6133625	8.0045295	6.981866	7.5353005	7.960404	7.628053
TUBGCP3	6.458502	6.533832	6.410924	6.075499	6.424043	6.281036	7.089451	6.178936	5.374326	5.550782	6.120409	4.704427
ACTL7A	5.451412	5.943406	5.502596	5.684279	5.812168	5.581324	5.571233	5.951005	5.716389	5.523666	5.766767	5.216123
HSD11B2	3.938646	3.781822	3.940878	3.905699	4.135581	4.149906	4.090797	3.994579	3.690184	3.772187	3.774994	3.874949
IFNA21	3.933585	4.307969	3.772572	3.827272	4.058417	3.703798	4.023022	4.124683	3.765329	3.774625	4.058815	3.088864
DDX25	3.205991	3.566655	3.12313	3.126557	3.041272	3.020937	3.085647	2.904918	3.718522	3.571148	3.73267	2.887727
ADCK1	5.876967	6.12303	6.182549	6.017726	6.863715	6.956925	6.639322	6.676914	6.545267	6.403412	6.474768	6.862601
ZNF639	5.785388	5.8003285	6.097696	6.178907	6.2489195	6.456198	6.5249495	6.0172735	6.850153	6.251842	5.8448165	6.2602365
LRP4	8.030245	6.672422	6.667212	6.969345	6.881395	8.093637	5.337372	6.897061	7.251122	6.234516	6.580385	5.936407
UPP1	6.801553	7.2591	7.6805	7.366848	5.277826	7.509588	6.209998	5.331898	8.802169	5.437062	8.558969	4.963488
OTX1	4.863641	5.528878	5.221468	5.299505	4.929657	4.888454	4.995817	4.930825	4.986634	4.624829	5.035704	4.449711
AP1M2	5.4009425	5.6282905	5.5060265	5.4017385	5.78101	6.008473	5.497433	5.883434	5.9240735	5.4237235	5.9245985	5.574791
STOML2	9.742476	9.58034	9.67363	9.912586	9.965538	10.47432	10.40977	9.937794	9.41803	9.092413	10.5607	9.497023

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
ATXN7L2	3.984865	4.457397	4.109617	4.322607	4.00084	4.669545	4.103481	4.277823	3.632201	3.940388	4.313818	4.203964
CALML3	4.952005	4.892401	5.011831	4.8628015	4.656699	4.455401	4.4982815	4.8414945	4.6315235	4.387673	4.8240385	4.518345
OXSR1	9.197218	8.809842	9.08476	9.057096	10.49538	10.16172	10.43867	10.64699	9.559271	10.04045	10.55555	9.508235
ZNF510	5.9383455	5.927097	6.2684095	6.1894605	6.1965235	5.9493635	5.893352	5.9823295	5.8029595	6.162515	5.740038	5.7156195
RIMS4	4.7056905	4.7553905	4.577802	4.6794395	4.643898	4.773916	4.558365	4.51902	4.409129	4.224453	4.494184	4.502024
RASL12	5.162214	5.39999	5.179259	5.074472	6.340734	5.121933	4.869983	5.958605	5.198042	5.044321	5.064919	4.786639
INTS6	6.4181345	6.122648	6.4186575	6.621983	6.4305565	6.6120005	6.5525945	6.2068665	5.7135175	6.1758695	6.093456	5.9236125
WDR62	4.701202	5.115501	4.751351	4.58882	3.967748	3.795711	3.798764	3.935459	3.994249	3.741804	4.146551	4.077082
HDAC11	6.4497735	6.45189	6.6900435	6.6110845	6.2804195	5.952798	5.925742	6.356609	6.564379	6.207828	6.4461675	5.986447
LMAN2	6.499838	6.3364235	6.2439635	6.602537	6.313222	6.4972805	6.371657	6.4466655	6.2043245	6.401085	6.5549295	6.364917
ZFYVE16	4.261401	3.524536	4.49103	3.822476	3.662748	3.698442	3.585667	3.368193	3.265178	5.195223	3.811496	4.764648
SFXN2	4.699514	4.5944845	4.682788	4.710835	5.1938705	4.5629185	5.8066505	5.17196	4.7836755	5.14698	4.8328225	5.065228
ZMAT3	8.396494	8.513872	8.496812	9.276032	9.943711	11.02254	9.532538	10.01074	9.903448	10.24043	8.958311	10.14132
PCSK1N	5.043012	5.565064	5.101609	5.403265	9.463863	7.16116	5.390597	9.176098	6.369373	9.50703	6.423429	8.791258
HECA	5.224984	5.145881	5.145999	4.993226	5.132957	5.148149	5.236538	5.161283	5.019847	5.189047	5.208135	5.331901
MRPL44	7.0949805	6.911796	7.0932975	7.7004055	8.1995555	8.63085	8.652413	8.5615075	7.857468	7.4371895	7.998717	7.1782695
PAGE5	5.06552	5.187054	4.862604	5.039809	4.720203	5.064666	4.870872	4.957965	5.141385	4.89055	5.126607	4.62775
AKAP5	3.726613	3.7278585	3.6064115	3.7926365	3.8202275	3.506323	4.0931065	3.7493465	3.6978365	3.6479555	3.528527	4.1240095
IGSF10	4.3218145	4.225361	4.514125	4.6206745	4.243986	3.927017	4.149288	4.2003605	4.2317355	4.7222545	4.04657	5.2729645
ERN2	5.918417	6.3395945	6.023287	5.864816	5.874759	5.665288	5.9467485	5.8752295	5.7219805	5.7846465	5.8876945	6.1820875
NFAT5	7.634489	5.622218	5.710299	5.530385	5.325421	6.601243	6.604103	5.677152	5.905474	6.677049	4.809865	6.975979
GLA	8.271518	7.655057	7.889389	8.219664	9.038004	9.096655	8.88771	9.104236	8.512831	8.141426	8.837371	8.274922
UQCRC2	10.21196	10.0557	10.11729	10.21284	11.21375	10.95394	11.22037	11.26077	10.30286	10.62183	10.83374	10.58708
PPP1CB	8.8917225	9.3873325	8.955982	9.396099	9.368108	9.481788	9.393333	9.595635	8.877558	8.86496	8.6328295	8.6648135
UQCRB	9.539568	9.4148725	9.530917	9.984476	10.688308	10.265797	10.5967265	10.6010235	10.0551895	10.245068	9.769618	10.2550405
MAMDC2	3.398348	4.432957	3.455092	4.629841	5.909737	10.29839	8.290787	7.432769	10.20386	4.919638	8.602813	5.613529
CBX1	10.47042	10.57507	10.60476	10.50103	10.14286	9.161307	10.46248	9.931293	10.61624	10.20457	9.595297	10.16507
CLOCK	8.766913	8.151795	7.9869875	8.3345505	7.212936	7.4769305	7.381596	7.1536185	7.4820145	7.29688	6.264388	7.2840435
GYPE	2.362809	2.453402	2.367563	2.156038	2.562696	2.448418	2.212991	2.487423	2.381468	2.393188	2.276036	2.478436
CRIM1	10.70094	10.89797	10.88844	10.84797	7.572211	9.843534	8.457723	8.454858	9.775199	7.354631	9.56506	7.734937

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
GPR173	5.091958	5.0580365	5.2783815	5.1165335	4.949328	4.731227	4.6880735	4.9704345	5.0066065	5.344704	5.020741	5.0208615
SSBP3	6.49718	7.595209	6.537287	6.475886	6.43187	5.66724	5.907803	6.06929	5.264519	6.201138	5.566464	5.894661
RAN	11.541765	11.073145	11.25527	11.38128	11.55643	11.84329	11.92605	11.468235	11.147575	11.21177	11.74141	11.21638
KCNRG	3.71243	3.690267	3.725049	3.858959	4.058417	3.629139	3.795148	4.07426	3.675532	3.638858	3.571756	3.885393
PDE2A	4.694702	4.642832	4.832136	5.289003	5.807356	5.772591	7.261608	5.878422	5.228003	7.281225	7.713672	7.872961
RPS6KA5	5.468463	5.262185	4.834256	4.59315	5.879071	5.378324	5.868304	5.677152	5.642267	5.447609	5.418097	5.666098
SLC18A1	3.26246	3.36359	3.154926	3.575193	3.268603	3.286012	3.388389	3.427298	3.172338	3.041957	3.414968	2.999871
CSDC2	5.105706	6.082808	5.072605	5.124701	5.611079	5.479812	5.680034	5.562101	5.37121	4.931661	5.124701	4.925156
SI	2.51405	2.416853	2.33173	2.572037	2.481164	2.731261	2.762558	2.61025	2.405782	2.762558	2.846968	2.687099
GZMK	4.244037	4.239365	4.476529	4.380664	4.60004	4.001933	4.05301	4.338727	4.392541	4.265237	4.379457	4.017105
CIAO1	7.260613	8.028981	7.994123	7.651648	8.093409	8.882399	8.130569	7.812104	8.06564	8.091868	8.560331	8.213744
DCLRE1A	5.889578	5.862776	5.812728	6.202716	6.195034	5.725658	6.962893	6.106391	7.321927	6.623351	6.753314	6.630017
SLC14A2	4.515289	4.213704	4.055307	4.497314	4.48169	4.379554	4.146994	4.614754	4.263675	4.101083	4.499717	4.203722
RACGAP1	9.732223	9.456507	9.03333	10.03572	9.587948	7.435628	9.81503	9.163475	7.481932	8.345398	7.751856	7.770686
TNC	8.34799	7.440171	8.211707	3.843083	3.089708	3.161931	3.457687	3.439093	3.312912	3.948262	3.648099	3.641161
CYP11A1	3.786245	4.456032	4.756093	4.15402	4.340354	4.798767	4.566313	4.736098	4.381078	4.124016	4.93194	4.06615
ATP6V1D	7.965432	7.5512605	7.6741865	7.9533015	8.2320225	8.4861755	7.93873	8.1626615	7.9390895	7.1955015	8.0663165	7.195884
IRAK3	5.529594	4.870795	5.229428	4.506175	5.966384	5.009626	6.007277	6.21863	4.744164	7.222549	7.418124	7.666549
SYK	3.6988175	3.9458455	3.690345	3.7640635	3.6742	3.877614	3.737885	3.696249	3.7686135	3.388398	3.96468	3.660667
DAB2IP	5.876514	6.12097	5.840327	5.631979	5.345184	5.305791	5.385537	5.286255	5.221421	5.201805	5.194172	5.177958
HBZ	4.479324	5.232194	4.418709	4.678516	4.353228	4.443936	4.276443	4.159067	4.470761	4.445479	4.469172	4.019001
LMOD1	5.471736	5.810648	6.016073	6.8232745	5.123846	5.150369	5.0296085	5.554189	5.0251815	5.021706	4.8957425	4.86396
PCDHGA8	4.602531	4.206013	4.419963	4.27642	4.353674	4.006235	4.146649	4.238981	3.919596	4.626704	4.32307	5.361445
FAM126A	6.952738	7.248716	7.828966	6.540303	7.6716	8.416063	7.570282	7.769654	6.188173	6.513866	7.040068	6.196012
TAS2R4	3.586588	3.830813	4.08111	4.04062	4.370568	4.075573	4.155534	4.48138	4.08336	4.08111	3.863364	4.472889
CARS	8.153315	8.281499	8.429791	7.9001665	7.7477695	8.5750305	7.837273	7.926671	9.057643	7.84371	9.9475995	7.486784
DNAJC5B	4.202026	4.436378	4.227984	4.3615195	4.357632	4.26219	4.4009155	4.3959605	4.3893585	3.98217	4.0004245	4.080112
BCL2L2	7.5547745	7.407916	7.8373675	7.304823	6.481746	6.3506675	6.400355	6.4954485	7.1457855	6.2994085	7.3736495	6.08082
TLR6	4.176676	4.31519	4.028315	4.2128525	4.019697	4.75324	3.863359	4.139012	4.924749	3.7951505	4.3893785	3.7559525
DCD	4.344463	4.684322	4.154388	3.807483	4.309645	4.555428	4.154388	4.039372	4.131777	3.804427	4.24957	3.944267

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
HKDC1	4.5106735	4.3695035	4.5154825	4.4241535	4.546611	5.08741	4.5218265	4.577893	4.7513595	4.2789935	5.0961015	4.2282785
MDM1	5.4175985	4.652338	5.312938	5.664921	6.235123	4.943432	5.862559	6.3141045	6.7569505	5.906624	5.8000635	5.451126
IQCB1	6.977593	6.8340555	7.2096675	6.7700835	7.539233	7.587769	8.069332	7.3658315	7.993556	7.654915	8.485367	7.7573565
SERTAD3	7.099318	7.140208	7.263608	7.199378	7.188162	6.833801	7.314258	7.217551	7.220202	7.279962	7.540195	6.91117
FGFR1OP2	7.114294	6.379732	7.063878	6.806906	7.629155	7.474913	7.458583	7.429914	7.002954	6.466516	6.550436	7.166346
SFRP5	4.471816	4.870794	4.204861	4.192904	3.925472	4.130633	4.17337	3.795686	3.778627	3.83959	4.011783	3.61908
PPIL1	8.601395	8.10758	8.485068	8.640538	9.519768	9.867107	10.06388	9.49255	8.998359	9.103262	10.07325	9.104817
ALOX12B	3.033978	3.456482	3.196658	3.12763	3.003297	2.988745	3.141057	3.160094	2.883396	3.033978	3.138719	2.99719
ZBTB8OS	8.7667	8.297713	8.480782	8.645246	9.306598	9.083268	9.283811	9.290163	8.792798	8.514413	8.805426	8.402916
RNF31	5.7040585	6.219734	5.552054	5.668824	5.38304	5.4879115	5.580463	5.511053	5.528229	5.3904165	5.517886	5.150265
KCNJ14	4.381582	4.400068	4.374954	4.693522	4.449159	4.862297	4.347278	4.506837	4.486633	4.13414	4.551574	4.362039
WFIKKN2	4.8895855	5.0576075	4.961549	4.9701875	5.108949	5.1456625	4.887318	5.233739	4.8987925	4.788354	4.91421	4.633035
EIF1AX	9.621147	9.923826	9.7628565	9.7827255	9.7293655	10.9097	10.2649835	9.777283	9.1530725	9.1814925	9.277121	9.263633
UPK3A	5.172474	5.492737	4.895123	5.064907	4.939809	4.905245	4.796192	4.847072	4.877419	4.626607	4.853575	4.78514
PRKAR1B	5.905184	6.731477	6.174773	6.278549	6.018694	6.421539	6.607328	6.017567	5.791641	5.523819	5.6974	5.754282
ARID1B	6.736629	7.185681	7.090678	6.75679	7.888234	6.945015	7.763208	7.795185	6.877005	7.591366	7.196668	7.062493
MAPKAP1	8.6151135	8.4918255	8.251521	8.210384	8.5532575	9.0536015	8.5428385	8.6517925	7.779021	7.8843005	8.9190775	7.6515305
NR2F2	7.2384825	8.2164345	7.2165515	8.5194915	5.749689	5.775599	5.1233655	5.6662955	8.000218	5.756877	5.614986	5.8453105
RAB6A	6.5817385	6.8120505	6.148202	5.655024	6.375431	6.7644705	6.656183	6.4537405	6.45977	5.2995115	6.353628	4.8439955
SLC39A12	2.615926	2.491858	2.64895	2.495868	2.532411	2.483616	2.495868	2.642736	2.670638	2.520365	2.576052	2.454917
ZFYVE19	7.295229	7.295763	7.529006	7.163033	6.76328	6.367646	7.812602	6.521116	6.836811	6.60775	6.719949	6.246634
HMGN2	12.5258	12.46896	12.19001	12.64537	12.58703	10.28942	12.61175	12.45062	12.11695	12.66585	12.22362	12.28775
APOBEC1	4.120455	4.158638	4.751708	4.095466	4.358652	4.082057	4.110329	4.215609	4.041438	4.127913	4.158638	3.976292
KRT6A	2.982164	2.880671	2.611714	2.665535	2.425963	3.696637	2.769762	2.586862	2.813914	2.856018	3.196191	2.784249
CNTN5	2.713425	2.82177	2.8271	2.7494295	2.950967	2.8895855	2.8134815	2.99342	3.057004	2.992501	3.1881155	2.762361
OTOP2	4.570152	4.865161	4.772855	4.6936245	4.454647	4.231979	4.3969955	4.340166	4.3276505	4.137312	4.368337	4.05736
PRPF8	10.40301	10.04962	9.931253	9.776085	9.815387	9.511541	9.969686	9.705392	8.845172	9.807955	9.179141	9.827889
PBK	9.946629	9.413439	9.058237	9.695532	10.57337	6.493186	11.03805	10.23306	5.814089	8.952052	7.541603	8.458606
TTTY5	4.291526	4.484325	3.900519	4.487588	4.451217	4.51001	4.16769	4.466469	4.316492	4.298211	4.854982	4.028156
NBN	8.193895	8.109508	7.74315	7.640999	8.369699	8.427851	8.558182	8.288764	7.753139	7.214495	7.332424	7.648047

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
CLPX	7.881821	7.849279	7.91613	8.029855	8.5487525	9.013483	8.569494	8.654213	8.2370755	7.9208055	8.106139	8.2214195
DPF1	5.157882	5.4280715	5.2758675	5.425146	5.1879465	4.98827	5.275708	5.0717345	4.989763	5.195894	5.23006	5.015408
COL8A1	6.483813	7.656182	9.431587	6.349933	2.747061	3.024979	2.559004	2.916435	8.705209	2.762558	2.533589	3.866042
HBB	5.417569	5.266031	5.48507	5.887449	5.964425	5.8223005	5.800461	5.905264	5.883952	5.612252	5.857799	5.581778
RAG2	2.383759	2.507491	2.750958	2.321812	2.239263	2.260047	2.175787	2.51355	2.292515	2.310605	2.427276	2.420898
ABLIM2	4.785707	5.113038	4.813849	4.864649	4.654321	4.639899	4.886034	4.859935	4.808126	4.891651	4.838139	4.764668
SSH3	7.126936	7.270145	7.185532	7.119168	6.595168	6.347073	6.66396	6.567776	6.493164	6.693814	6.649479	6.407589
ZNF611	5.212431	5.349079	5.346142	5.902537	5.525166	5.524182	5.379925	5.208761	5.016176	5.333269	5.358138	4.865197
TEX261	8.3570115	8.3637385	7.973893	8.163871	8.152418	8.6379045	7.8375685	8.135094	7.523481	7.008153	7.425869	6.8891205
CNTN6	3.085025	3.099839	3.249389	2.744463	2.974408	3.021944	3.030247	2.968742	3.914743	4.899154	2.865544	3.781823
SLC25A20	7.729537	7.095512	7.320171	7.764998	8.241363	8.555366	8.051041	8.298949	7.505272	7.481619	7.753672	7.419675
VIPR1	6.076381	6.261583	6.399713	6.453897	6.380236	6.358548	6.032892	6.421425	6.596968	6.214656	6.450397	6.443074
KATNA1	8.108009	8.217496	8.507624	8.307887	8.042088	8.116577	8.153214	7.999374	8.075748	7.895089	8.103325	7.772718
IRF6	4.266063	3.673104	3.868704	5.084908	3.593637	3.413905	3.485811	3.740288	3.706349	3.182341	3.602474	3.086469
BRSK2	3.849379	4.4269065	4.11846	4.135082	4.214002	4.5296455	4.1989125	4.248501	4.451081	4.0227355	4.488197	4.085813
CSTF2T	7.5403455	7.3354555	7.1337485	7.4852325	8.16638	8.7868915	8.3528745	8.0995755	8.4660425	8.2444545	8.719776	7.7925985
LRRC7	2.604227	2.692368	2.804683	2.676743	2.778911	2.673396	2.654397	2.760285	2.941263	2.872642	2.787245	2.659885
TSKS	4.4716015	4.38492	3.9913725	3.916181	4.4308235	4.517109	3.776935	4.522353	3.8179405	3.7985465	4.296298	3.5653265
PEX16	6.269466	6.76438	6.285937	6.795358	7.171944	7.579315	7.233836	7.26867	6.997011	7.189067	8.070426	7.079548
HSPA4L	4.2913685	3.620246	3.6685815	4.1410665	7.098668	8.983466	7.9587395	7.1390685	6.2386955	7.4019055	6.927514	7.294887
STARD8	6.433219	6.086926	6.031565	5.769624	5.758371	5.791161	5.330701	5.775581	5.376852	5.22913	5.737566	5.245023
PDE1A	2.816525	3.023027	3.026432	3.246516	2.765734	2.785622	2.733874	2.90942	2.720185	2.541961	2.923583	2.808161
CCR4	4.755558	5.007684	4.743073	5.220479	5.191168	5.065622	5.014956	5.086155	5.204278	5.048117	5.423473	5.010315
PREP	8.253025	7.983366	8.16883	8.247481	7.720163	8.21443	8.643234	7.638891	7.739358	8.783123	8.466208	9.120688
FCGR1A	2.984253	2.879457	2.999365	2.9714	3.062185	3.195367	3.234676	3.086971	3.141863	3.017466	3.284026	3.066705
PMM1	8.39696	8.703182	8.791162	8.641597	7.404899	6.758221	7.371288	7.26213	7.662987	7.396193	7.796537	7.276123
TFEC	2.700179	2.706536	2.590885	2.755705	2.79875	2.509751	2.685189	2.735686	3.495136	3.249817	2.631902	2.647547
PTP4A2	11.20978	11.121875	11.271345	11.548805	10.589385	10.88078	11.01	10.5319	11.3617	9.63033	10.431285	9.868723
MYCBPAP	3.6255865	3.522635	3.701515	3.688583	3.399861	3.6295515	3.390038	3.484824	3.404782	3.2301855	3.5463395	3.2299695
ITGA3	8.068739	7.387654	7.221875	8.400646	5.058392	6.172188	5.043922	5.458192	8.88722	5.896272	6.169921	5.600379

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
TGFB1	7.1586265	7.8022675	7.126181	7.127807	6.507612	5.940825	5.847593	6.4080415	5.640024	6.0238075	5.9399075	5.6665025
CHRNA10	4.735988	4.748758	4.681747	5.292073	4.865182	4.798964	4.899956	4.81004	4.494495	4.507104	4.82443	4.219862
ZYX	10.0472345	11.223415	9.974657	10.33102	7.5748625	8.5279495	7.696302	7.4771165	7.5398815	7.6732385	7.992897	6.9710765
ADCK2	6.014675	6.3341105	6.509174	6.349174	5.4260675	5.906465	5.7447305	5.3212825	6.547447	5.9034075	6.261659	5.3481905
KLK6	4.449248	4.592452	4.841053	4.802145	4.7811	4.646384	4.698394	4.613014	4.683822	4.551921	4.69967	4.467609
KBTBD6	6.934907	6.6016015	6.690181	7.104266	8.8068355	9.070692	8.5479775	8.5926315	6.4408275	7.8969205	8.233457	7.870133
SCCPDH	8.0178625	7.9100555	8.244857	8.205041	8.023415	7.421334	7.7404955	8.032294	8.4666185	7.9115945	7.797261	7.6090465
HEY2	3.362405	3.5333305	3.3818705	3.204383	3.1879925	3.0887915	3.2454525	3.2080265	3.3048555	3.856933	3.176814	3.4352325
PRAP1	4.815693	5.276799	5.655646	5.071943	5.015352	4.557527	4.713545	4.980139	4.668555	4.749969	4.756094	4.537817
ACSM1	3.6227365	3.8308815	3.4892035	3.5521075	3.4620345	3.2425845	3.4271505	3.4389045	3.5212605	3.3372025	3.4121865	3.274978
PLEKHA6	4.9262215	4.5869395	4.694432	4.7442585	4.4046515	5.0304775	5.246286	4.515254	4.056429	6.355983	5.6659425	7.1032725
ARHGEF5	5.230509	5.3378255	5.434705	5.0005045	4.7777305	4.7894405	4.966682	4.6579025	5.370022	4.2455775	5.129853	4.8429065
MTHFD1L	3.629163	3.634481	3.624563	3.6210595	3.665914	3.795305	3.734489	3.585475	3.86593	3.7686295	3.919245	3.591816
PPP2R3B	4.9120315	5.3815495	4.836598	4.94792	4.6907315	4.3754095	4.8125185	4.698449	4.923148	5.0844725	4.6690065	4.535696
CASC1	2.413877	2.464137	2.623681	2.601897	2.857655	2.754824	2.639516	2.657517	2.740546	2.737294	2.478968	2.624802
TMEM128	8.35976	8.220848	8.703451	7.950761	9.259221	8.923054	9.087142	9.321207	8.565022	9.152039	9.265531	9.371819
PCDH19	4.344439	5.32356	5.267642	4.886199	4.367547	6.278398	4.635039	4.566175	4.412597	5.916066	5.252714	5.273068
SLC24A4	3.252132	3.293694	3.859663	3.469592	3.062653	3.231073	3.249686	3.042801	3.033984	3.334204	3.096362	3.31102
BTN1A1	3.625395	3.369671	4.048862	3.801702	4.064472	3.938811	3.851258	3.936745	4.291051	4.018431	3.949771	3.474858
SPATA18	6.7733265	6.6738895	6.425223	7.2986305	8.45593	8.953299	6.59643	8.725664	6.770605	5.407248	8.061557	6.497866
MRPL54	8.648815	8.462642	8.425033	8.924845	9.374024	8.984213	9.46191	9.309339	8.799562	8.713728	9.54855	8.952426
NAPB	4.9816365	4.275191	5.061589	4.417291	4.909877	5.1826685	5.0771645	4.8461435	4.8798675	5.575505	5.447276	6.6178495
ZBTB7B	6.1650285	6.609956	5.8969785	6.231105	6.2692115	6.117008	6.2307705	6.213605	6.0837585	5.8721945	5.9605995	6.068665
VAC14	5.876514	6.405521	5.75513	5.567996	5.607556	5.47467	5.40372	5.486555	5.560876	5.37543	5.764478	5.43434
STEAP1	11.64701	10.68329	11.64581	10.70551	4.968161	8.13827	7.201875	5.100118	7.329298	6.362923	6.433489	6.200551
SYT3	4.14153	4.366014	4.419495	4.483818	4.571765	4.683808	4.635832	4.740156	4.640491	4.267762	4.682955	4.318731
CCL22	4.868876	5.045344	5.036828	5.16207	4.836781	4.243972	4.370729	4.52129	4.49127	4.188139	4.589415	4.328968
CRELD1	7.020232	7.243179	7.237586	6.6226	6.235564	6.933484	6.246363	6.546254	7.033679	7.164019	7.276496	7.563608
TFDP2	6.789001	6.4607995	6.533301	6.709347	6.6102805	7.7776485	6.3155485	6.588265	7.9657365	5.9141755	7.844965	7.0756145
CRIPT	9.022118	8.702703	8.842231	8.760156	9.283376	8.785315	9.221395	9.359117	8.420382	8.140274	8.608143	8.112004

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
CHRDL2	4.434191	4.633748	4.64279	5.055167	4.682472	4.991204	4.537546	4.821951	4.460773	4.638217	4.879478	4.32651
TNFSF4	4.244141	4.398926	4.429808	5.734742	4.078043	5.133685	4.125763	4.528907	6.786583	4.934435	5.531016	4.393461
LRP10	7.348064	7.107579	7.421221	7.782485	7.648479	8.286422	6.865216	7.578444	9.0319	7.480119	7.919455	7.439008
IKZF3	3.619753	3.792712	3.524392	3.931611	3.982078	3.818142	4.023398	4.032294	3.822732	3.747178	3.737354	4.29736
GH1	4.1433055	4.4581595	4.2017165	4.1338125	4.0478245	4.0319615	3.989919	4.062894	4.0611265	3.8399055	4.403983	3.793775
BCAR1	6.172978	6.2949795	6.5142985	5.9914455	5.6393455	5.5030035	5.098905	5.4273545	6.064769	5.515015	5.5239555	5.418844
KCTD15	7.330916	7.401634	7.65821	6.968603	7.78931	7.1379	7.403089	7.995158	7.421808	7.206229	7.505908	7.211139
CSRP2	7.9273615	8.8465725	8.9465655	8.0979425	10.097523	6.144291	8.1190685	9.990155	9.184639	8.8976555	6.467426	8.273924
CACNB3	7.2605205	7.0218495	7.116565	7.1278515	6.1227645	6.001267	6.1044595	6.029846	6.498902	6.5055575	5.659446	6.0871115
ACTB	13.807855	13.893895	13.7799	13.955735	13.64649	13.676285	13.51464	13.603685	13.228565	13.65132	13.442775	13.60992
THTPA	6.934057	6.876731	6.891752	7.084867	7.428307	7.449053	7.578288	7.265858	6.922803	6.672591	6.733284	6.508935
COX6C	11.65456	11.65812	11.13585	11.62274	12.2213	12.30882	12.22883	12.20895	11.85994	12.28014	12.01807	12.2899
ANKRD28	8.4770665	8.2071335	8.0793065	7.6840075	5.786627	6.115626	5.883866	5.689445	7.650722	6.665274	8.2116865	7.904056
LNX2	6.188173	5.493124	5.592506	6.63347	6.708109	7.027517	7.423465	6.907918	7.08463	7.097035	7.107913	6.828766
H2AFJ	7.117479	7.046839	7.144459	7.424492	7.4073195	7.807755	7.648942	7.515601	7.533007	6.8051945	7.8640705	6.881756
UBE2N	9.979664	9.907934	9.722986	9.669831	10.26493	10.43409	10.39839	10.14004	10.08811	9.756928	9.750755	9.211482
CLDN2	5.024602	5.103865	5.456184	5.846996	5.562098	5.14815	5.214244	5.588576	5.384086	4.922258	5.665357	4.892342
KEAP1	8.798738	8.775787	8.871826	8.820711	9.412883	9.399011	9.159652	9.28528	8.790721	8.938025	9.493213	9.017405
ACVR2A	6.3029905	6.157905	7.092335	6.445903	7.3507985	8.1621725	7.2959405	7.5266485	7.131313	8.261935	7.1637015	7.676168
RNF111	9.220825	8.411518	8.799121	9.00103	8.760285	9.306477	8.574905	8.688653	9.594385	9.016531	9.317429	9.002928
L3MBTL3	5.837821	5.28469	6.122768	6.186448	6.411069	7.522301	7.088895	6.603624	7.024446	7.076873	5.541249	7.057457
IPO8	7.535024	7.698461	7.7707065	7.9061205	7.926873	7.922661	8.4995345	7.827869	7.604935	7.507152	7.453506	7.745788
SFXN5	4.9456055	5.1916375	4.9628725	5.270094	5.312814	5.012921	5.2065965	5.3048915	4.842133	4.9838	5.208447	5.3306735
ELF5	3.9535915	3.636339	3.699978	3.935825	3.7926085	3.7774715	3.7707185	3.8155	3.7284145	3.5329	3.6369535	3.5747955
DDX55	6.878753	6.609643	6.575203	6.495166	7.629793	7.859714	8.227397	7.534061	7.409593	7.66237	7.703951	8.108636
SNAI2	11.36454	11.57014	11.34574	11.42982	11.08226	9.852242	10.47654	11.16258	10.99067	10.19732	11.32984	9.826681
CEACAM7	3.265553	3.421979	3.714898	3.43728	3.555814	3.45024	3.364217	3.586879	3.564999	3.225971	3.674741	2.82619
BCAP31	9.933788	9.339779	9.524744	9.942438	9.715462	10.42364	9.584784	9.930236	10.12515	10.09386	10.42845	9.712316
PLCD1	7.83495	8.290539	8.19505	8.053389	7.856943	8.280855	8.156859	8.03404	6.992574	8.279736	8.863436	8.452209
PIWIL4	5.409945	5.327349	5.66173	5.03736	4.219794	5.049588	4.328919	4.071514	5.164615	4.095978	4.278321	4.660916

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
CTDP1	6.785143	7.040344	7.663002	6.924543	6.994794	7.705534	7.008331	6.864231	7.018402	6.79678	7.148646	6.774749
RPL39	13.54018	13.60218	13.54027	13.56156	13.70625	13.75476	13.70019	13.70171	13.70077	13.83034	13.83489	13.82714
NAALAD2	2.410973	2.365229	2.483188	2.427588	2.362885	2.193114	2.59292	2.375438	2.549835	2.585007	2.411273	2.355786
THUMPD3	8.0065945	7.4651515	7.5657555	7.685173	7.704714	7.2792535	8.1412785	7.6376275	8.1937685	7.329822	8.33775	7.338317
TAF11	7.67736	7.719388	7.279063	7.78235	9.332982	9.224806	9.379536	9.243893	8.865335	8.085458	8.531721	8.203058
BPGM	6.406556	5.472574	6.703744	7.713493	6.711934	7.754896	7.396201	6.74248	8.631479	7.276898	7.441763	7.397351
B3GALT2	2.686865	4.173757	5.4223315	3.6386175	2.837731	2.800038	2.793416	2.6891835	3.3317855	2.879803	2.6829415	2.6695175
PAPOLB	3.030413	2.9851685	3.034363	3.0657875	3.0619645	3.001351	3.0341725	3.2991625	3.0427625	3.0126135	3.0687325	2.9648085
LILRA4	4.885322	5.080153	5.049036	4.652351	4.57935	4.257999	4.620369	4.795282	4.840629	4.773521	4.790451	4.595531
AP2A1	5.9242585	6.8795125	5.6993785	5.914014	5.5678725	5.823939	5.5378585	5.494386	5.1150175	5.5351585	5.5506125	5.8891935
HAND1	4.521666	4.606357	5.057284	5.094009	5.249411	5.323247	5.045576	5.131894	5.145328	4.473577	5.400332	4.347202
IK	9.614863	9.304165	9.516334	9.750427	9.881033	9.469336	9.699762	9.846345	9.482831	9.295385	9.57259	9.230115
OR7E24	2.921866	3.000279	3.003618	3.222889	2.978256	3.044518	2.996421	3.019285	3.078776	2.947842	3.297972	2.860831
WNT2	6.282847	7.181292	6.46752	6.240964	8.554529	9.822858	9.595807	9.055844	4.544298	6.975745	7.854329	8.629478
HLA-DOB	4.978533	5.205076	5.22552	5.086356	5.1457545	4.9443995	5.3033035	5.0363625	4.926443	5.4994345	5.279291	5.106628
USP14	9.22864	8.913138	8.902843	9.295049	9.425986	9.560505	9.267094	9.313002	9.894455	9.368663	9.0902	9.554876
DDB2	7.772325	8.211885	7.606899	8.014398	9.503866	9.045849	9.536753	9.719844	8.347948	8.445869	8.570964	8.386307
AATK	5.732625	5.922592	5.866739	5.3804	5.479627	5.226718	5.384183	5.744969	5.577324	6.103514	5.88163	5.632275
LOR	4.662484	4.710927	4.791182	4.611469	4.20681	4.136704	4.050555	4.289455	4.3792	3.852536	4.244535	4.022906
CRYAA	5.21226	5.21805	5.187119	5.187194	5.10259	4.944352	4.761275	5.30118	5.096837	4.844887	5.334794	4.930954
HOXA7	6.2193295	6.0958205	6.147188	6.2060735	6.186842	6.487609	6.981035	6.3010385	4.3421935	7.502943	7.3677985	7.932927
EMG1	9.51889	9.212984	9.090338	9.713076	10.21546	9.948125	10.4745	10.25847	9.993935	8.897434	10.35439	8.925097
MMAA	5.62793	5.211791	5.182331	5.181113	5.293804	6.123474	5.196101	5.302504	5.07629	4.57483	5.114388	4.440089
TAS2R5	4.012665	3.994249	4.116102	4.142669	4.291753	4.477571	4.073508	3.996615	4.243084	4.41912	4.371893	4.36135
B3GNT5	4.956273	4.925156	5.23274	5.171934	3.441391	3.609096	3.180695	3.298899	5.400243	4.86223	4.756094	3.231248
MED19	7.9892145	7.8347105	7.8690515	8.294727	8.3922385	8.0809435	8.17562	8.384295	8.78734	8.1431	9.1530275	8.1828885
PSMB3	10.71353	10.34307	10.74734	11.16455	11.30319	11.17502	11.23576	11.27258	10.97942	10.99963	11.34147	11.00042
UBE2E3	11.24738	10.90788	11.13178	11.66516	11.04285	10.84566	10.94475	10.81631	10.92966	9.803378	10.55763	9.512432
FERD3L	4.969193	5.254812	5.360894	5.255147	5.423709	5.24272	5.181187	5.499964	5.270146	5.251482	5.35552	5.110913
SLC4A9	3.277515	3.5190255	3.7821365	3.446473	3.4055185	3.257973	3.3898925	3.4871785	3.465983	3.2531815	3.4870635	3.2483095

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
LHFPL5	4.353713	4.565739	3.936735	4.016417	3.923643	4.188531	4.168789	3.868454	3.743841	3.928972	3.729909	3.907274
RAB33A	5.107244	5.36032	5.969622	5.30447	5.17731	4.764668	4.304548	5.062021	6.715181	4.199534	5.714804	3.862446
RBM18	6.684412	6.124707	6.362696	6.452581	6.457991	7.557943	6.803179	6.373709	6.321995	6.641447	7.435274	6.440174
VPS37C	8.519363	8.13827	8.425943	8.415838	7.650806	8.10167	7.757999	7.626093	8.511616	8.06354	8.532146	7.965563
LIPC	4.208076	5.143857	4.722239	4.512752	3.923593	3.59372	3.211444	3.778686	4.818151	3.404634	3.674134	3.523726
TACR2	4.513797	4.919095	4.936945	4.704749	4.989495	4.531417	4.916748	4.816228	5.493351	4.408481	4.756093	4.232867
CREM	6.5894755	6.2591405	6.6121815	6.8124155	6.0114255	6.018887	5.801588	6.2048365	7.6250415	5.8961545	6.675699	5.521086
TSSK3	6.857468	6.935591	7.063365	6.900262	7.241247	6.535048	6.909203	7.205523	6.79874	6.921364	6.895825	6.786006
SCGB2A1	2.843669	2.885689	2.765109	2.831055	2.842957	2.803849	2.616125	2.792189	3.035743	2.864005	2.998918	2.812834
THAP10	8.44239	8.01922	7.78575	8.370788	7.1214	7.956822	7.45121	7.197715	8.36705	7.676369	8.363119	7.48688
TMEM41B	9.3350535	9.117745	9.2281965	9.0798505	9.098413	8.8745605	9.173099	9.02521	9.575002	8.3836695	8.6207855	8.264871
PRND	3.537873	3.673456	3.49155	3.6188825	3.567326	3.540516	3.674746	3.5530245	3.7002105	3.7526295	3.725565	4.2345795
MRPS18B	8.804582	8.786624	8.3493105	8.9739655	9.7829045	9.616691	9.884992	9.6549995	9.166486	8.9589145	9.678976	9.172635
EIF4ENIF1	5.276717	5.369145	5.542599	5.2137855	5.252682	5.613196	5.3666795	5.2812845	5.5309095	5.4417585	5.4695275	5.5942165
OR12D2	5.49152	5.491898	5.738929	5.299803	5.601588	5.629108	5.629192	5.579945	5.611444	5.59866	5.726295	5.445187
FGF9	2.972703	3.171543	3.6715365	3.265617	3.5156605	3.5183855	3.0094745	3.55484	3.072724	2.9000335	3.245818	3.174686
ZBTB33	6.335302	6.0875925	6.2486825	6.010034	6.436126	7.2691955	6.707321	6.5081065	6.4237115	6.090732	5.9772335	6.2502265
IL1RL2	5.767072	6.194753	6.048144	5.465768	5.121277	5.552116	5.105172	4.802144	4.785933	4.264174	5.005442	5.013575
IL2RG	4.343757	4.24906	4.202538	4.427548	4.3922	4.114353	4.08176	4.119172	4.072052	4.123427	4.256366	3.849267
CTSH	5.657466	5.743999	5.385705	5.219872	5.263677	5.301297	5.331406	5.621197	7.631217	6.571683	5.891223	5.59081
ASXL1	7.288068	7.4204955	7.120823	7.1374355	7.3664995	7.149124	7.141405	7.166563	6.6925995	7.1659165	7.0866705	7.194043
NUBP1	7.928374	7.45307	7.68649	7.195734	7.763283	7.914488	7.94668	7.741363	7.808541	7.532506	7.903131	7.441155
MRPL3	11.21346	11.0386	11.20712	11.24353	11.67226	11.62636	11.90518	11.55576	10.8427	11.39562	11.74306	11.79052
CLEC4G	3.938646	4.297427	4.2866	4.459076	3.960401	4.226521	3.938033	3.895279	3.906443	3.708844	4.375978	3.566282
ZNF169	4.637975	4.420455	4.356803	4.440375	4.963566	5.381731	4.758044	4.846704	4.510432	4.711501	4.759624	4.660648
GOLT1A	4.435935	4.369282	4.291778	4.330148	4.455338	4.170576	4.182961	4.20286	4.230025	3.849205	4.284927	3.91538
BARX1	4.244971	4.305875	4.082234	3.923261	3.610414	3.280938	3.712465	3.503652	3.468448	3.335352	3.562116	3.219303
PCBD1	7.03653	7.499458	7.871904	7.032503	7.77327	8.510697	8.672968	7.511751	7.584074	7.354133	7.565885	6.977362
GLB1L	6.341331	6.237506	6.261627	7.037031	5.125599	5.17766	5.043922	5.242539	5.848852	5.566727	5.253063	5.821762
DONSON	8.576857	8.597647	8.656337	8.67635	7.973623	6.904907	8.799478	7.860768	7.85962	7.957088	7.121658	7.745425

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
EPHA7	2.9948265	3.276471	3.1208265	3.017337	7.2473105	4.8390015	6.2108245	7.0897885	4.248124	6.1035935	3.287759	4.8593525
MAGI2	4.439698	5.140304	4.627486	3.886973	3.921071	3.973144	4.300818	4.079679	4.816526	4.596955	4.651285	5.642257
USP19	6.484807	6.642226	6.4969665	6.778223	7.5555205	7.502411	7.5959425	7.383325	7.1907435	7.2683445	7.062211	7.2870275
LGI3	5.488523	5.961169	5.482106	6.012187	6.051624	6.172365	5.743578	6.010754	5.922217	5.386676	5.989134	5.239387
KLK5	4.634066	4.804469	4.957182	4.500786	4.864882	7.471374	5.110913	5.154194	4.559127	4.277289	4.666077	4.304167
HDGFL1	6.520943	6.521278	6.441558	6.451064	6.600402	6.390283	6.480559	6.644171	6.405408	6.438284	6.47708	6.348983
HSPA1L	5.751896	5.8064345	5.39114	5.6083305	5.0391385	5.333913	5.1120935	5.207201	5.3977005	5.3092505	5.615101	5.2826935
CDCA4	8.895625	8.812769	8.652738	8.83447	7.918535	7.757932	8.927726	7.635249	9.027947	8.619589	8.704411	8.168469
GPR1	7.31902	6.579942	6.984793	7.619673	8.362718	9.673078	9.141893	8.709292	9.241637	8.340637	8.990031	8.812784
STARD5	6.383764	6.709002	7.202122	6.86314	5.584228	5.571585	5.271931	5.47339	5.993589	5.718918	6.444573	5.719074
RYK	7.942764	8.526681	8.913153	8.630667	8.675406	8.999386	8.693477	8.595364	8.555799	8.154312	8.622356	7.932851
PDZRN4	2.699187	2.525318	2.782843	2.851363	2.681558	2.532463	2.753514	2.69268	3.143155	2.58531	2.925741	2.562228
NSD1	4.7562695	4.564784	4.7554165	4.942797	5.1905045	4.838503	5.228414	4.9197765	5.4949975	5.4888395	4.913837	6.107583
PKN3	4.885509	5.480306	5.523666	5.337365	5.836737	4.727014	5.956441	5.560914	5.194275	5.642413	4.841248	5.456232
SNUPN	8.984168	8.845653	9.174032	8.810947	9.084883	8.801998	9.291954	8.897517	8.432298	8.596257	9.259546	8.447999
FGD5	4.7248345	5.0796075	4.7161585	4.733321	6.7829075	9.070185	7.4150405	6.6638175	4.812221	7.4847745	8.936995	8.2695145
SBSN	6.76191	7.135127	6.392591	6.274348	4.895191	5.256329	4.413266	4.680038	4.453136	4.347596	5.207194	4.641803
SYDE1	6.7083165	7.1693095	7.204403	6.7541685	6.134084	6.275561	5.895798	6.0967545	6.365879	5.910407	6.178639	5.80318
COG1	5.1436855	5.1933735	5.3086115	4.6268525	5.183906	5.49037	5.1646655	5.3053445	5.218444	5.0173285	5.468421	5.1241965
FILIP1	3.881729	2.8209475	2.721717	2.984898	2.5593255	2.6157055	2.505147	2.56447	2.482029	2.5852325	2.6300005	2.4791145
ACSL6	2.939616	2.894627	3.12954	2.885696	3.283791	3.162815	2.808214	2.989417	3.225765	3.007597	3.191285	2.989417
FOXD1	11.09182	11.19732	11.19581	11.04517	5.895092	8.376488	9.142183	5.878833	10.05282	8.651852	9.009279	7.76004
MC3R	4.554755	4.868926	4.491676	4.811678	4.916419	4.92433	4.830332	4.963415	4.554626	4.556003	4.851385	4.753593
SH2D1A	4.760545	4.9234125	4.840417	4.818296	4.564346	4.6939225	4.580263	4.681785	4.771885	4.479574	4.6701	4.383816
FAM120C	6.383672	5.876667	6.1486725	6.214244	5.597701	4.917518	5.890787	5.366494	6.4585635	6.1281095	6.18074	6.026712
ADPRH	4.715805	4.869435	4.670161	5.001462	5.085002	4.904332	4.371065	4.620127	5.125782	4.356892	5.182192	4.201057
PLCXD3	3.353527	3.216255	3.476976	3.460497	3.478165	3.176613	3.3222	3.38729	3.4659515	6.206382	3.8902245	4.681529
RHBDL1	4.718877	4.671499	4.645004	4.831058	4.674339	4.716037	4.565308	4.716037	4.722329	4.441438	4.775389	4.007109
MGST2	4.5765725	4.458817	5.0130795	4.784934	5.3099215	5.4181105	5.82972	5.2611525	5.3555245	5.3788235	4.763743	5.144473
PXT1	2.723216	2.532923	2.722421	3.037428	3.176023	2.905436	3.133634	3.121723	3.284782	2.745334	3.070987	2.985144

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
SERPINA12	3.882179	3.980044	3.7223	3.752139	3.778502	3.863364	3.819454	3.983747	3.731595	3.557363	3.856912	4.074221
PLP1	2.670031	2.657806	2.55856	2.923352	2.873978	2.923241	2.739737	2.9326	3.418467	2.632057	2.931468	2.564803
ALDH1L2	6.356824	7.011996	6.947887	6.414837	4.855997	5.197642	5.450816	4.955743	5.678995	5.98489	6.223129	6.002281
RAB42	6.532815	7.139832	6.990386	6.661256	5.98489	5.671038	5.803003	5.970283	6.212237	6.214922	5.779235	5.809713
GPR171	3.002054	3.730756	3.261305	3.328111	3.063678	3.158171	2.997303	2.880013	2.80362	2.85629	3.234542	2.577063
CASP1	5.14679	3.748333	5.313251	6.412178	7.898852	6.672351	6.630531	7.611076	9.004334	8.564783	9.771012	8.37536
SPTBN2	5.035471	5.243908	5.076665	5.052311	4.698277	4.454283	5.021534	5.06838	5.157352	4.994072	5.31237	4.923319
ARR3	5.346355	6.009786	5.529353	5.70885	5.356092	5.279555	5.347264	5.604908	5.273944	5.039082	5.344083	5.365265
AQP1	4.7970185	4.9595985	5.7352985	5.0698865	5.381376	5.4832195	4.3825655	5.3838035	4.3601445	4.8879745	4.693763	4.323387
TNFRSF13B	5.011755	4.925157	5.028895	4.88137	4.879555	4.895607	5.210889	4.965205	4.825082	4.837171	4.318606	4.826858
CNFN	4.964201	5.476439	4.96802	4.665128	5.711748	5.528878	5.463855	5.279997	4.871406	4.926248	4.832325	4.65104
BZW1	11.460805	11.276895	11.518515	11.605345	11.43275	11.51859	11.47889	11.378695	11.09284	10.120739	10.9219	9.6157945
NIT1	6.2776235	6.6249715	6.3645125	6.436181	6.3089295	5.5488815	6.2939785	6.236772	6.8160525	6.8145985	6.821176	6.5499925
SLC38A3	4.916267	4.868917	4.853348	4.594452	4.907641	4.406186	4.822015	5.036888	4.79693	4.39668	5.035727	4.908834
PNLIPRP1	3.9007505	3.8294185	3.6426555	3.546867	3.85508	3.673014	3.5908285	3.828456	3.729328	3.818524	3.845373	3.6941905
ZMYND8	6.208198	6.35079	6.010281	6.355324	6.380346	5.968763	6.302886	6.401815	6.427651	6.512305	6.430449	6.75569
MSX1	7.4672675	7.2575845	6.647759	7.228363	9.060773	7.819203	7.7776185	9.173562	7.516436	7.1159105	8.1209355	7.1962915
DNPEP	8.138155	8.489519	8.210417	8.031668	7.439482	7.759575	7.836546	7.41745	8.702414	8.19375	8.841715	7.868439
CATSPER1	5.615173	5.911147	5.854228	6.112673	6.249735	5.592658	6.090532	6.113393	5.801339	5.179949	6.874838	5.180801
PTGDS	7.410892	7.50356	6.744154	6.987586	10.43166	8.469774	7.750014	10.24287	11.05369	9.558035	12.1929	8.147979
HNF4G	2.9464955	2.7958035	2.909924	2.882248	2.895471	2.644526	2.6122055	2.967443	2.6978725	2.8765405	2.65612	2.909071
WNT5A	9.8677155	10.50336	10.62886	10.50966	4.3069045	8.3912095	6.551785	4.283373	8.556929	7.0437295	6.2079245	7.9002755
VKORC1L1	7.8219535	7.638228	7.786513	7.447909	7.2407585	7.5164165	7.5653295	7.1206295	6.8847045	6.0509355	6.896486	5.7280615
GPR50	3.612881	3.683072	3.629971	3.630754	3.866217	3.970043	3.728814	3.833206	3.762144	3.722115	4.015673	3.480234
UBE2D2	9.40794	9.326564	9.324768	9.681864	9.149323	9.312689	9.344006	8.979496	9.421013	9.001424	9.403582	8.921465
TAS2R16	2.909722	3.069532	2.911883	3.50678	3.170933	2.755064	2.913807	3.143437	2.87881	2.750449	3.089708	3.026947
KCNK15	4.10844	4.1453745	5.0127925	4.196249	4.2121545	4.8061065	3.6531715	4.1823825	4.1982165	3.6999955	4.1331125	4.0904325
SERPINB4	2.765253	3.625087	2.756803	2.543437	2.611701	2.794866	2.546996	2.636549	2.756668	2.586699	2.551847	2.765714
TMEM64	6.765136	7.1157	7.48727	6.610547	8.996269	9.933374	9.087107	9.183281	7.312125	7.325795	7.563355	7.166579
DYNC1I2	7.77437	7.411326	7.276011	7.47023	7.273687	7.460262	6.992001	7.229679	7.296765	7.077394	6.168797	7.489178

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
DNAJB7	2.609782	2.574543	2.65254	2.365797	2.628848	2.536515	2.43608	2.420338	2.143354	2.406341	2.44431	2.463609
PARP9	6.2261455	5.929983	6.515716	6.4186275	7.0572665	6.4967325	7.7791685	7.0598155	8.581195	7.933212	8.6852395	8.117459
GFPT2	9.95177	10.2098	9.705005	9.459075	6.687973	8.576573	6.442796	6.868279	7.888902	6.968665	8.66971	7.394146
PTDSS1	10.01461	9.69116	10.19905	10.10529	10.02345	10.69724	10.45422	9.931746	9.488599	10.12573	10.1238	10.35066
PSME4	7.841228	7.320467	7.736723	7.783074	7.564684	8.049117	7.788188	7.523569	8.044283	8.373568	7.560112	8.417632
TOR1B	9.015578	8.621847	8.949825	9.060916	8.525846	9.650636	8.343324	8.572108	8.855403	8.294324	9.106882	8.412921
TNFSF10	2.416074	2.49893	2.833212	2.604133	2.587531	2.41367	2.649949	2.469829	4.929106	2.599258	2.950408	2.65015
XYLT1	6.526772	6.118187	6.004394	6.28788	3.7979745	5.3772995	4.6795795	3.752597	3.7200585	5.0181455	5.621513	5.428917
TEX15	2.991854	2.845588	2.92753	3.098809	3.078406	2.959164	3.1076235	3.333833	3.762313	3.3148405	3.168637	4.4559375
MYL1	3.59862	3.570831	3.797361	3.932874	3.859538	3.688432	3.714187	3.944874	4.475652	3.294091	3.794592	3.293703
DMXL1	7.852551	7.491879	7.95354	7.806018	7.635518	8.186936	7.40301	7.855447	8.574815	7.84948	6.839829	7.743696
ARHGEF4	4.614314	5.611072	5.013525	4.781906	4.988506	5.280166	4.769339	4.619307	4.576173	4.739259	4.889836	4.96212
ZBTB37	4.778429	4.466249	4.734578	4.93316	4.89231	4.492686	4.979016	4.900376	5.032383	4.572983	4.935727	4.704427
ASCL2	3.38872	3.7954775	3.673237	3.523093	3.7812705	3.645254	3.4831405	3.479994	3.40923	3.3028125	4.008491	3.0898005
TRIM16L	4.186476	4.397676	4.379572	4.167385	4.833754	4.878417	5.045411	5.366723	5.029213	4.308499	5.152857	4.626262
PPM1K	4.339679	4.483672	4.411404	4.281975	4.926774	4.871735	4.738108	4.892651	5.155371	4.978386	4.731293	5.386619
GALNTL5	2.490912	2.429348	2.538873	2.528279	2.723215	2.65119	2.589127	2.544352	2.617022	2.474793	2.657091	2.662349
ADAMTS6	6.591047	6.119975	6.127201	3.956965	3.442038	3.564093	3.381429	3.396333	3.660069	3.419723	3.611823	3.517849
CCDC22	6.4328745	6.648534	6.5494235	6.63984	6.050949	6.36637	6.4879305	5.964303	6.6589195	6.1595555	6.6430935	6.170636
FBXW8	6.137841	5.905913	6.076972	6.137154	5.989325	6.282313	5.870012	5.98489	6.383571	6.160686	6.193111	6.112442
SPAG11A	4.195555	4.592452	4.062289	4.080803	4.097354	4.08179	4.011685	4.233269	4.113327	3.718436	4.073378	3.483349
KRT15	4.052373	4.505814	4.045903	4.764668	3.479724	3.60128	3.205991	3.304461	3.027433	3.263314	3.547467	2.97143
IPO4	8.080816	8.021601	8.000316	8.083913	8.697544	8.704982	8.798741	8.764897	6.847343	7.494318	7.751419	7.758222
CHRNA2	5.497171	5.914577	5.880273	5.965062	5.50134	5.587824	5.527179	5.366723	5.460331	5.370897	5.494644	5.196431
FGF10	3.0378925	3.150622	3.1476445	3.0874505	3.231717	3.142563	3.0288875	3.1573925	3.096656	3.162039	3.179436	3.121599
ASH2L	9.119436	9.395534	9.190441	9.343579	8.919768	8.268985	8.897746	8.918051	9.311621	8.570397	9.026591	8.298408
ARHGEF9	6.4762105	6.409857	6.1453635	6.306076	6.3755425	6.5265485	6.744728	6.2407115	6.850321	7.0337915	6.702838	7.166993
NACA	12.80712	12.76443	12.83314	12.90704	13.18826	12.98312	13.20019	13.16469	12.91396	13.15632	12.95258	13.11723
HOMER3	8.287558	8.193693	7.766501	8.320348	7.212384	7.528127	6.34604	7.198552	9.174925	6.920741	8.193935	6.227897
UHRF1	9.782795	9.600737	9.656204	9.989617	9.236649	7.428269	10.1239	8.889982	8.805281	9.094873	8.735329	9.010675

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
RCOR3	6.784992	6.477497	6.484019	6.415224	6.929654	5.579144	6.237144	6.90889	7.602388	6.859359	6.550311	6.716496
TMEM125	4.441299	4.866177	4.578215	5.051859	4.790673	4.790673	4.658717	4.790673	5.020026	4.680122	4.66572	4.857769
ZFR	7.5648055	7.5169625	7.6959135	6.9964065	8.313174	8.5702825	8.459131	8.216416	7.795125	7.1999225	7.2124375	7.3168225
COQ10A	6.518496	6.346997	6.827467	6.763587	7.432035	6.594051	7.27852	7.424742	7.474346	7.004774	7.411858	6.839861
DNAJB9	8.037643	8.29133	8.598951	7.620948	8.345585	9.440639	8.622762	8.386101	9.309021	7.366306	8.463184	6.816916
EME2	5.961928	6.333898	6.154459	6.272291	5.94117	6.198294	5.865792	5.938715	5.737168	5.778014	5.830103	5.846012
FRMD6	12.74728	12.658455	12.604545	12.75883	9.787041	9.96183	9.7850015	10.0186955	12.15308	9.9180425	11.36124	9.343325
ZNF574	6.809	6.825659	6.772964	6.454989	6.498638	7.019589	6.716743	6.515904	6.479777	6.870159	6.799819	7.03607
CDC27	8.788601	8.490485	8.705416	8.765181	9.384306	9.550115	9.601582	9.345778	8.894599	8.241848	8.100581	8.34822
MXD3	6.8569765	7.1348025	6.8348735	7.025631	6.8492275	6.312162	6.692091	6.854082	6.621477	6.8449335	6.4917835	6.7629085
UGP2	8.36625	7.7972885	8.428339	7.871453	7.4493145	7.1670565	7.603221	7.4994145	7.341067	8.3099055	7.341182	8.074968
FUS	8.0473065	7.5801905	7.3170595	6.7128075	6.661377	7.459659	7.3824545	6.3623	7.3262885	8.0615715	7.358646	7.9875665
DCBLD2	9.02602	8.957933	7.8260755	8.359828	6.240754	6.252696	6.014334	6.4679945	8.410369	5.60742	5.1828225	6.0013055
TACSTD2	4.8480115	4.407044	4.9677215	4.776105	3.809712	3.969719	3.7029965	4.0516665	4.8916495	3.760308	4.0856475	3.9062045
SOX13	6.344685	6.478519	6.408682	6.432931	6.179142	6.568367	5.285723	6.158376	6.34849	5.139319	5.977653	4.897412
THPO	3.264984	3.261902	3.313836	3.091599	2.821507	3.101639	2.845604	2.834253	2.858732	3.231641	3.360597	2.89307
EFS	7.947913	8.171902	7.9796055	7.766168	6.7581845	4.806375	5.5265595	6.419554	6.134769	4.932411	4.757902	6.090974
LHX4	3.743527	4.037785	4.001542	4.331532	4.180936	4.248933	4.0053	4.388013	4.32813	4.109658	4.157816	3.997435
ALB	2.7101665	2.729655	2.7447095	3.0263155	2.7852085	2.6168415	2.7163475	2.7557395	2.7462285	2.677443	2.707306	2.702422
PLA2R1	3.987581	4.164954	3.9579095	3.7379875	3.74315	3.9915235	3.8395695	3.780163	4.2441545	4.147996	3.9309805	3.725028
NPC2	9.33596	9.755444	9.353986	9.781517	10.57412	9.821216	9.51937	10.55505	11.24616	10.10036	10.62696	8.875857
BAGE	3.5801055	3.3131475	3.631629	3.6011445	3.595976	3.5435325	3.367024	3.5894375	3.603099	3.44229	3.4052595	3.424234
SOX8	5.409541	6.983778	6.957915	4.947455	6.496526	5.987102	4.722511	5.974912	3.970182	4.80587	6.75924	5.559929
TAS2R40	3.043522	3.079472	3.223678	2.788066	2.999187	2.817608	2.819038	3.089708	2.851537	2.676164	3.012903	2.7529
GALM	6.422614	6.448072	5.882957	6.4845425	5.929447	5.1519155	5.0630445	5.8877095	5.119763	5.299895	6.723454	5.8467285
SPAG6	3.297693	3.562684	3.609057	3.444613	3.5199945	3.414921	3.5381895	3.6657305	3.511236	3.715026	3.6225405	3.323249
DMRTB1	4.845388	5.038795	4.655032	4.501103	4.348119	4.707579	4.557039	4.580192	4.976624	4.71872	5.088234	4.764668
ZNF394	5.834485	5.73994	6.147043	5.8821415	6.4009175	6.196123	6.23021	6.2476645	6.158561	5.8977225	6.504345	6.0627265
TM4SF1	8.346577	8.583999	5.634429	7.539982	3.008953	3.552591	3.073525	2.973429	7.34527	3.259533	3.089708	3.280567
LALBA	4.236428	4.232941	4.5461	4.271689	4.972535	4.916469	4.701154	4.846704	4.523093	4.746	4.830059	4.856546

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
EIF4E2	8.576164	8.3398575	8.5134295	8.603977	8.3296165	8.5172355	8.501899	8.2402475	8.027116	7.849297	8.3905525	7.950548
MAGEB1	2.93958	2.949334	2.418743	2.997596	2.977958	2.997243	2.817897	2.817897	2.90948	2.741947	2.489237	2.309339
AMFR	7.295271	5.618503	5.9359645	8.328033	8.9959165	9.1816065	8.14997	8.9507945	8.559892	7.8863675	8.8066755	7.923041
DHX35	5.413962	5.114387	5.397686	5.112594	5.572202	5.770008	6.269054	5.563851	5.597553	4.64809	5.265775	6.048029
MITF	6.008601	4.38601	4.946382	5.612179	6.69977	6.292829	4.810314	6.653261	6.41239	4.764668	6.153584	5.581475
DERA	9.883407	9.735382	10.06508	9.984893	9.051512	9.716105	9.611485	9.174213	9.12124	8.895439	9.604178	8.564067
TMEM18	7.571508	7.942158	7.8204125	7.88504	7.144688	7.012429	7.607463	6.9370955	7.274577	7.7837365	7.666916	7.66387
AURKA	8.745939	8.215886	8.712065	9.790042	8.897495	7.455454	9.839763	8.798128	6.575912	8.345446	8.041714	8.101924
ABCF3	7.381256	7.327392	7.328309	7.707536	7.924893	8.175909	7.768214	8.015184	7.935972	7.90128	8.206152	7.364397
AGPAT5	7.108735	7.2347515	7.642957	7.5920345	8.095195	8.918908	8.5228465	7.789231	8.441021	8.0010505	8.068918	8.1594815
HESX1	4.809891	5.172677	4.852849	4.799141	5.078668	4.982253	4.999996	5.117472	5.347417	5.562303	5.692047	5.605349
LYAR	7.228688	7.126779	7.467753	7.2007515	8.6451965	9.757441	9.6110055	8.5106015	6.8285335	7.8039045	8.551503	8.38164
F10	5.510328	6.207178	5.19689	5.147828	4.591201	4.876173	4.58119	4.6805	4.690815	4.025314	4.574116	4.280687
NUP155	7.538764	7.440661	7.727928	8.016916	8.059052	8.019905	8.514837	7.968556	7.451625	7.731652	8.972261	8.307011
EIF4G3	6.885598	6.792592	6.650626	6.849895	7.436007	7.5948285	7.152958	7.450146	6.685627	6.4779165	6.873736	6.9869225
IGSF6	2.9193015	3.0376345	2.977973	3.0439855	3.0171145	2.9285605	2.986778	3.114527	2.9524225	2.7833135	2.8947425	2.994406
CLCA1	3.976704	4.076116	3.83271	4.440375	4.218874	4.072787	4.08767	4.04095	4.013812	3.915028	4.073349	4.0941
PEX5	6.8289445	7.142255	7.166912	6.891731	7.869158	7.9866345	7.7128475	7.6279475	7.4103885	7.246819	7.7411395	6.847271
PPP1R15B	8.757507	8.510764	8.958333	8.79485	9.461136	9.264479	9.691463	9.474931	9.291105	9.313269	9.317385	9.445876
AP1S1	9.024216	8.024773	6.847095	7.448369	9.552692	10.02634	9.097983	9.615323	9.276298	7.759887	9.780188	6.253151
BAK1	6.048978	6.103625	6.460405	7.049559	7.416437	8.415304	8.05972	7.380505	7.282374	6.856217	8.093562	7.268394
DLGAP4	6.992483	7.660971	7.270456	6.956365	6.247345	7.354004	5.989358	6.220602	6.325052	6.084436	6.612308	6.041775
CACNG4	4.967602	5.064211	4.967206	5.206335	4.840046	5.082362	4.51129	4.834907	4.724321	4.753113	4.871781	4.631468
NME6	7.076564	6.912286	6.983424	7.155689	6.696417	7.385698	7.233618	6.7147	7.20643	6.458062	7.206665	6.806573
NRAS	9.4047135	9.4551375	9.35768	9.4844905	9.174832	8.0397875	9.5455665	9.1000575	9.0915115	8.6841645	8.363253	8.6451405
CCT8	7.6185775	7.377374	7.5109235	7.580001	8.0646115	8.4099205	8.4003645	8.083913	7.747	7.889359	7.753076	8.0842795
FAU	12.34564	12.46884	12.29864	12.35725	12.77844	12.88587	12.89208	12.77915	12.44685	12.76092	13.01323	12.68434
BIK	4.837331	5.410519	5.451699	5.213988	5.337365	6.549532	5.40747	5.599219	5.544903	5.423833	5.428546	5.270972
ACTR1A	9.046969	8.719121	8.631582	9.033262	8.811443	9.1225045	8.4067965	8.828201	8.635201	8.239885	8.593099	8.095434
HINT2	8.436037	7.946418	8.012285	8.532601	9.084663	8.240822	9.559287	9.005651	9.645219	9.112433	9.794957	9.824162

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
SMG7	5.3563855	5.7990295	5.5988605	5.289091	6.1952165	6.396691	6.018798	6.2346055	5.69737	6.083514	5.693362	6.0151935
GPR108	8.665837	8.485487	8.669548	8.478769	8.312055	8.940221	7.952784	8.193859	8.795984	7.791162	8.733967	7.714841
AHI1	5.316164	4.70902	4.425537	4.627648	5.572084	5.402611	4.653466	5.664055	4.13817	5.475913	4.099733	6.32942
GC	2.882282	2.614495	2.859426	2.627273	2.889554	2.774798	2.722061	2.722061	2.727689	2.461478	2.678151	2.332998
DOCK1	5.957325	5.352912	5.476323	6.939145	5.537456	6.182278	5.50329	5.57944	5.679427	5.242647	5.308098	5.100445
TESK2	6.272157	6.023719	6.510035	6.419368	6.618383	7.713643	7.454836	6.783754	6.986789	6.492522	6.797633	7.097542
ZNF225	5.6372625	5.1877235	5.434992	5.2689985	5.983042	5.733414	5.419862	5.989554	5.4821495	5.496911	5.5143975	5.323122
ELAVL2	3.018706	2.7495325	2.6562895	2.7866595	2.7651345	2.7452455	2.635795	2.791141	2.7299195	3.9934505	2.9472445	2.9043705
PPFIA3	5.3277945	5.3742035	5.5592905	5.3024275	5.8733145	5.995517	6.3501125	5.988027	5.7891035	5.900241	5.898411	5.938234
GDI1	9.665295	9.994126	9.93048	9.804729	8.406342	7.986834	8.593721	8.207101	8.537781	9.172117	8.743992	9.478493
STC2	7.9409375	7.4015535	8.485752	8.472255	6.0439785	7.7212475	7.903962	6.2353965	10.624975	8.8707405	8.474246	9.006224
ECEL1	4.903153	5.361678	5.001804	5.076712	5.147604	5.281158	5.098041	5.248908	5.095199	5.090036	5.557789	5.054781
ENTPD1	3.1883545	3.397568	3.2090315	3.185026	3.1836935	3.143708	2.905891	3.3132565	3.6215435	2.9640295	3.277314	2.997129
IL15	5.405594	4.864072	5.124478	5.52464	3.344827	3.233047	3.412591	3.265178	8.092981	3.217021	3.668591	3.343787
ZNF550	5.8758915	5.845639	5.8043525	5.5972425	5.5665525	5.989875	5.611484	5.766828	5.597229	5.9291185	6.1951555	5.6709865
FES	5.734167	6.088516	6.191272	5.751806	5.665009	4.954177	4.419895	5.582507	5.065237	5.285048	5.308066	5.085807
CPNE1	8.811909	9.060471	8.823366	7.999391	9.312304	8.987239	8.90775	9.252416	8.562241	9.004568	8.627341	8.842087
FGD3	5.225879	5.1779445	5.14754	5.1296355	5.0607265	5.1007425	5.3746345	4.9898915	4.9845665	5.0788285	5.258916	5.0850015
CCR1	3.234673	3.5885875	3.4927295	3.2747365	3.423592	3.326852	3.3262285	3.3177535	3.2287135	3.413335	3.297556	3.406549
ADPGK	8.7415	8.424956	8.4511005	8.489437	8.897862	8.953927	9.2179865	9.003914	8.309715	8.568795	9.047527	8.4417015
NXF5	4.454375	4.210696	3.788442	4.145772	3.678653	4.186801	3.78179	4.176807	4.1994	3.586133	4.45413	3.874031
ERBB4	3.7712665	4.1013455	3.9831165	3.7906465	3.813284	4.3601965	4.4898355	3.8191895	3.818372	4.4469015	3.9062785	4.573882
GPR45	5.477602	5.472462	5.226496	5.362517	5.461807	5.385424	5.422159	5.346122	5.28772	5.363672	5.275744	5.456568
BAP1	7.428783	7.5405655	7.205026	7.747848	7.670345	7.6180115	7.620595	7.5881095	7.386483	7.5540995	7.234685	7.4303745
MYCBP2	9.023373	7.731892	8.412342	8.26827	8.299597	8.780707	8.661039	8.212806	7.765528	9.03434	8.012979	9.027124
PHF7	4.383131	4.460822	4.330461	4.594816	4.108083	4.909329	4.337754	4.24199	4.469971	4.142064	5.14292	4.452171
ZNF599	4.4589755	4.095417	4.681537	4.491402	4.059637	4.8334545	4.591311	4.35229	4.93277	6.285555	5.406472	6.1545975
TRAPPC3	9.352591	8.992209	9.119807	9.261353	9.2334165	10.009374	9.0543875	9.0567295	9.6189695	8.6523635	9.7027525	8.452037
IL9R	4.496679	4.723575	4.6077405	5.134559	4.722881	4.905117	4.745677	4.8079215	4.5754325	4.257563	4.7709705	4.2631855
CES3	5.632483	5.67292	5.728104	5.5142785	5.7830755	5.964531	5.712093	5.53835	5.8571645	6.0083245	6.094632	6.028036

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
APC2	4.765974	4.8818415	4.7910425	4.615191	4.582474	4.707169	4.613786	4.6060105	4.6610685	4.4872715	4.66565	4.2421195
TYRP1	2.430658	2.18662	2.496135	2.559702	2.794853	2.344903	2.736418	2.584457	3.420401	2.492355	2.745131	2.81841
UNC93B1	5.678442	5.876523	5.340456	5.610761	5.628335	5.337772	5.707244	5.495099	7.217417	5.080861	6.11778	4.926881
TYMS	9.462423	9.510941	9.102685	9.704479	10.50556	7.378061	11.16192	10.2512	8.521924	9.42769	8.922112	8.588235
TAF7L	3.297137	3.3787985	3.4251095	3.5309875	3.35901	3.3509405	3.74614	3.3784485	5.768292	3.4844995	3.5665905	3.54492
WBP4	7.610502	7.729832	7.612846	7.527936	7.193912	7.390884	7.298909	7.239762	6.690204	6.877859	6.780702	7.115507
ICAM2	5.0249775	4.9519015	5.0480065	5.306831	6.9144815	5.5345265	6.3616855	6.8759715	5.0106955	6.1072115	8.066553	6.7256355
POU2F2	5.39699	5.794416	5.372075	5.669755	4.87121	5.112209	5.09659	4.945077	5.651073	5.246143	6.433157	5.401867
WNK1	4.825339	4.863328	4.260071	4.07655	4.791843	4.533973	4.59952	4.886338	4.789555	5.004409	4.630576	5.81873
GJB3	5.931774	6.128258	5.402598	5.90338	6.57694	9.061502	7.540716	6.641448	5.132236	5.264382	7.014209	6.26491
C4BPB	4.82101	4.965572	4.270967	4.312822	4.003827	4.149047	3.971051	4.356791	4.283998	3.648739	3.880024	3.771285
STX7	8.168596	7.8648075	7.998512	7.7155055	6.8298645	7.5591455	6.9009345	6.846582	8.389766	6.47944	7.8952555	6.5620995
SFTPC	5.493617	5.757163	5.407144	5.575636	5.398367	5.377327	5.381377	5.637782	5.384085	5.163488	5.358681	5.351116
ZNF565	6.57413	5.631243	6.452068	5.954628	5.718048	6.869555	5.948363	5.451036	6.07385	6.165224	6.755121	6.577427
LSM7	10.32398	10.31841	10.16323	10.43568	11.01534	11.00671	11.10217	10.87378	9.648829	10.84874	10.89558	10.82189
BBX	8.472151	8.193936	8.429514	7.949944	7.778618	8.326611	7.604979	7.773886	8.454565	8.402124	7.327177	8.869748
RAB3A	5.659892	5.892543	5.811683	5.396924	5.520562	5.551118	5.784185	5.604908	5.225524	5.948364	5.790639	6.16648
SLC9A3R1	6.092754	5.763535	6.467904	6.45343	7.49903	8.049582	8.400686	7.570371	6.441558	6.885433	6.786029	7.148078
NCOA5	6.527004	6.9134065	7.1322805	6.7102025	7.418559	7.946054	7.684595	7.279586	6.6774845	7.391046	7.111379	7.142381
CTNND2	3.756352	3.802935	4.058416	3.688477	4.017506	3.590666	6.013222	4.119804	3.664935	6.641447	3.820919	7.360498
CACNG2	4.1070275	4.51446	4.2427735	4.4533125	4.3747875	4.3179535	4.3188895	4.380794	4.346406	3.9549485	4.0180195	4.0609095
FMO4	4.958813	4.915174	5.019811	4.813411	4.929923	4.673138	4.435385	5.2217	5.469872	5.559807	5.431131	5.023663
C1QTNF1	6.354528	7.058277	6.0844835	5.7043235	5.7642405	5.1798175	5.329437	5.6269915	5.433343	5.681994	5.220813	5.2333735
FGF13	6.565305	3.687328	6.019653	5.213988	5.619164	8.541713	8.375401	5.896988	3.885813	9.865024	8.041374	7.467772
ARF4	12.15113	12.30236	12.16447	12.135545	12.21411	12.753045	11.95633	12.299795	12.35933	11.525815	12.358855	11.48973
MAFF	10.1069605	9.8711335	10.2003845	10.0246445	6.630246	7.2429225	5.544582	6.2587415	9.2323915	7.264973	9.1224405	6.0400845
IQSEC2	5.434705	5.7941725	5.358354	5.6829525	4.9397705	5.2235205	4.731312	5.218982	5.1876375	5.297395	5.3702895	5.015107
VARS	7.514101	7.669547	6.983672	7.444955	8.05187	8.713345	8.3525	8.007879	6.881523	7.416076	7.1975065	7.4238505
TBC1D20	7.7665765	7.9391395	7.9752355	7.719809	7.590315	7.758825	7.277748	7.6624945	7.932631	7.0702455	7.87264	6.838797
ATP11B	5.8736925	6.228899	6.0044775	6.8312625	6.1866965	6.0356235	6.1553685	6.286794	6.1307855	5.183658	5.4626595	5.083586

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
SSX2	3.300278	3.373518	3.515296	3.38244	3.784067	3.430303	3.984955	3.752261	3.674752	3.45846	3.599492	3.20403
CACNA1E	3.341368	3.530022	3.530478	3.6211175	3.698357	3.5317645	3.5567405	3.69569	3.5303275	3.5736655	3.436713	3.420995
GPR84	3.773964	4.827333	4.21009	4.309183	4.130251	3.892645	4.092181	3.853687	4.538272	3.734364	4.454109	3.357615
CA7	5.63181	5.90889	5.644241	5.813719	5.605431	5.616715	5.580221	5.841233	5.63181	5.45765	5.626967	5.443642
LCP1	4.760529	5.216832	4.804935	5.345293	5.556073	5.568467	5.300463	5.735399	5.73339	5.691179	5.758824	5.49739
VEPH1	6.218235	5.493166	6.339265	6.839514	4.081075	3.649982	3.589907	3.920155	5.228464	3.639998	4.176274	3.736046
DLG2	3.2437545	3.517408	3.334748	3.640813	3.3159575	3.2829615	3.3376645	3.312961	3.325262	3.2485765	3.38372	3.0753935
TFIP11	6.7542945	6.069655	6.143407	6.257556	6.445506	6.842227	6.539618	6.4881385	6.708761	6.5061905	7.2123055	6.6227865
WASL	6.0677415	7.2379795	6.7201235	6.0221035	6.927771	7.1991045	6.728272	6.753514	6.43695	6.5111895	7.42321	6.7778825
SPTLC2	8.097735	8.48877	8.003922	8.377261	8.128466	9.165804	8.77771	8.030974	7.18889	8.05529	8.224805	7.722423
TMED8	7.772588	6.908233	7.512723	6.8763	8.275757	8.650359	8.728413	8.361236	7.070421	7.901144	7.395254	7.707992
KCNG2	5.548894	5.923775	5.46086	5.434104	5.493611	5.47811	5.371819	5.606583	5.1457	5.421155	5.593424	4.891808
BCL2L13	6.769499	6.6826905	6.5847925	6.697742	6.6623795	7.145792	6.5076575	6.666004	7.374759	6.230422	6.8024545	6.4255665
FRRS1	3.260761	2.731558	2.891611	2.638756	2.705092	2.592408	2.541052	2.759872	2.701962	2.589082	2.811358	2.350615
ALDH1A2	5.019562	5.014473	5.027157	4.845447	4.849627	4.717926	4.781801	4.531877	4.750344	4.414075	4.861752	4.998482
SHQ1	8.0246525	7.967876	8.20137	8.3300255	8.0173055	8.604821	8.4003065	7.993878	8.1536495	8.378731	8.6793205	8.439379
CPD	8.821751	9.080405	9.589244	8.888773	8.080507	8.503127	8.043301	8.08305	8.404835	8.29462	7.937109	8.131201
SORCS1	3.1998865	3.201622	3.1590575	3.053906	3.1028265	2.9011075	3.1120235	3.07746	3.0892805	3.0555225	3.108274	2.894168
CYLC2	2.700139	2.683876	2.942044	2.958358	3.238759	3.041378	2.96669	3.224924	2.939221	2.798563	3.133946	3.085064
ZNF471	3.871058	4.081369	3.826191	4.370201	3.050637	3.158368	3.232589	3.17692	4.420732	4.835958	3.284163	3.122053
SERPINB12	4.452575	4.484245	4.246023	4.485503	4.089724	4.309646	4.39311	4.144613	3.994249	3.9536	4.227117	4.081332
ZNF629	7.386764	7.349202	7.420776	7.417583	7.410595	6.943781	7.172989	7.111516	7.80815	7.781358	7.548443	7.593958
FADS2	5.9826995	6.1535145	6.249833	6.5789525	7.286819	7.443145	7.659864	6.965728	6.9829575	6.398026	6.3739585	6.4114385
SYNGR4	4.45282	4.725686	4.464608	4.610014	4.476479	4.631296	4.530308	4.478899	4.647394	4.554464	4.318717	4.309815
PVR	7.088345	7.114773	6.927775	6.643921	6.4255	9.214664	6.945442	6.563511	6.866376	5.605388	7.314595	5.325027
GYS2	2.327686	2.366886	2.315092	2.424496	2.337875	2.708472	2.282503	2.392967	2.387667	2.356359	2.335714	2.333224
COG8	6.6524265	6.5518285	6.6311715	6.550343	6.7324045	6.8373215	6.8788495	6.671933	6.7528715	7.0384755	6.8094105	7.5974025
OCA2	4.278739	4.152194	4.789854	4.455606	4.492287	4.497852	4.607105	4.539132	4.507337	4.250236	4.626859	4.069106
S100A5	4.518548	5.270407	4.742228	5.015325	4.383154	6.412214	4.324704	4.169701	4.554671	4.219507	4.744	4.011882
SAMM50	7.294461	7.1550635	7.3440045	7.5708255	7.670684	7.773465	7.739203	7.6546685	7.2755755	7.4854305	7.672966	7.2626135

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
POLN	5.3794975	5.7907295	5.890348	5.4146905	5.0082595	5.167385	4.7768965	5.0979945	5.254425	5.092353	5.010432	4.968564
CLASP1	6.9620365	6.249449	6.2658125	6.076149	6.2132955	6.094403	5.983704	6.457069	6.573792	6.3291835	6.278775	6.536974
GMFG	4.634066	4.934001	5.027767	4.669662	4.579613	4.632461	4.550299	4.435737	4.526148	3.926794	4.491536	4.026582
TSEN54	7.113518	6.984422	7.127656	7.063685	7.220358	8.147719	7.798364	7.318124	7.775368	7.51223	7.993647	7.596533
ITPKB	4.179628	4.275965	4.264721	4.353302	4.139534	4.378961	4.377004	4.423641	4.311198	4.279821	4.269572	4.057921
SCML2	8.323367	8.103288	8.338929	8.290787	8.296917	7.998205	8.855657	8.161026	9.235122	8.431441	8.034724	7.950138
PRKAB2	8.131856	7.57232	7.570888	7.487576	7.177602	7.081974	7.489178	7.363383	7.404063	7.007915	8.27375	7.090157
ZMYM4	8.302255	8.275085	8.708509	8.353727	8.128527	8.160649	8.748558	8.062888	8.221075	9.155086	7.360188	9.079687
DNAI1	4.9362175	5.084536	4.965331	4.73726	5.143572	4.950861	4.8039845	5.269057	5.1429175	4.92631	5.2444655	4.7521825
NBEA	4.9583855	4.145653	4.189706	5.124696	3.7645425	3.5545445	3.5665725	3.7458685	5.878807	5.1829255	3.669726	3.671786
ZC3H7B	5.570901	5.645367	5.882238	5.898037	6.435438	5.552116	6.753429	6.421077	5.475913	7.192745	6.361941	6.936303
TARS	7.326939	7.5036945	7.946891	7.587441	7.7756615	7.9254085	7.966189	7.648142	7.8570765	7.8146595	7.747071	7.621184
PRPF31	8.374166	8.366632	7.727352	7.886288	8.479443	8.581376	8.818454	8.535642	8.898543	7.776934	8.672184	7.220072
PCDHB1	4.118477	4.263173	4.344691	4.227788	4.366586	4.123372	4.243959	4.407066	4.462148	4.131103	4.438134	4.203742
VPS53	4.953215	5.095797	5.143131	4.987551	5.502714	6.167105	5.292733	5.42443	5.366131	4.951028	5.000705	5.056055
HAAO	6.29966	6.610937	6.555237	6.657056	6.706137	6.585912	6.531019	6.826504	6.369929	6.257365	6.811984	6.199415
VPS4A	9.08993	8.598746	8.738383	8.961191	8.417663	9.277036	8.928967	8.266425	7.748906	8.598019	8.83452	8.743776
HOXD10	6.687527	8.024744	7.62144	6.507207	4.135586	6.579172	3.777005	4.392955	4.04353	3.932566	6.023376	7.554283
THBS3	7.065231	6.908426	7.501916	6.934362	5.976912	6.072687	5.717921	6.11835	6.885138	6.279858	6.144654	6.592281
SNX17	10.04015	9.881886	9.916008	10.33019	10.33746	9.921098	10.17643	10.29244	9.915365	9.62995	9.776328	9.728018
GRIN2C	4.998242	5.026823	4.893732	5.163965	5.184692	5.030847	5.213592	5.32942	5.303624	5.078718	5.331303	5.07157
C9	2.705556	2.601132	2.291303	2.555291	3.109233	3.142909	2.86719	3.016962	2.782999	2.895888	3.291707	2.992898
AFM	2.566541	2.686695	2.632223	2.842285	2.93348	2.723215	2.738442	2.912103	2.843235	2.684345	2.651336	2.382168
TNFRSF1A	9.760969	10.01359	9.729219	9.821259	9.282325	9.67904	8.933813	9.18284	9.096785	9.684135	9.33091	9.561212
SLC34A1	4.3048895	4.1079415	3.877612	3.989249	4.0186865	3.962202	3.8858355	4.1471905	4.130995	3.7269055	4.1354745	3.6745665
NUDT1	8.18988	8.17117	7.390125	8.154987	7.60669	6.59902	8.071876	7.189866	6.661137	7.74329	7.344568	7.627108
DLX5	4.760529	4.911637	4.284335	4.835875	6.981903	5.818506	6.865293	7.283044	4.284602	5.893797	5.190335	5.339856
SDK2	4.510763	4.675794	4.369239	4.631565	4.462809	4.614302	4.416379	4.322495	4.973067	4.590559	5.021859	5.239387
DEPDC7	6.800076	6.256132	6.878078	7.12642	7.907863	7.611728	7.146503	8.35968	6.938597	6.162219	7.28702	6.137455
ZNF654	7.292608	7.278994	7.628016	7.418239	6.548452	6.27071	6.462188	6.582491	6.429297	6.028856	5.539876	5.510789

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
TXNL1	5.679771	4.269554	5.084291	4.537278	5.305385	4.5876	5.206613	4.980343	6.175079	6.468713	5.061949	6.50798
PRIM1	7.714253	7.887726	7.34059	8.047577	7.867134	4.718603	8.875713	7.421267	7.710571	7.568886	7.296899	7.391256
CDKN2D	5.357128	5.305167	5.04259	5.046279	5.147062	5.123631	4.90819	4.8385145	5.3518605	4.6713815	4.9703605	4.244628
LYN	4.469129	3.730311	5.943708	4.33519	7.804729	9.456445	8.580124	7.87186	6.705213	9.157492	9.47607	8.791268
HDAC4	5.838478	5.334388	5.827005	5.810616	5.975869	5.499963	5.743989	5.81956	5.753956	7.187008	6.347717	7.541095
TESC	4.700371	4.939317	4.5178185	4.791591	4.786684	4.648409	4.7921725	4.624673	4.7031695	4.4477475	4.8381095	4.290786
LY9	3.935412	3.914079	3.693398	3.875399	3.97237	4.014984	3.743602	3.806743	3.474178	3.757859	3.788299	3.354779
IFNAR2	6.684348	6.381536	6.813579	6.481677	6.116705	7.059793	6.453522	6.053113	5.863562	7.552531	6.940556	7.049451
RNPC3	6.430558	6.495399	5.898376	6.109526	7.018954	7.535245	7.032161	7.214923	6.449801	6.394221	5.77043	7.198034
PEX26	5.243577	5.245558	5.243887	5.5408245	5.836124	6.0058575	5.711003	5.6270015	5.7453135	5.065636	5.5312645	5.1520275
ACRV1	4.0293845	4.1327375	4.106414	4.1947345	4.195629	4.077055	4.0475805	4.2051865	3.8731455	4.064853	4.218588	4.017339
ZNF652	7.086239	6.599529	6.5170095	5.764954	5.6445725	5.6843025	5.6928205	5.763118	5.4570655	5.8876645	4.741614	6.970951
DUSP4	6.44294	4.921792	6.333094	4.617354	4.85834	7.499845	5.491243	4.761008	6.765313	5.589668	5.72892	5.343527
MTNR1B	5.608908	5.413842	5.461126	5.227203	5.6447	5.821404	5.790116	5.542494	5.648558	5.658527	5.93613	5.703834
ARRDC2	6.149167	6.183755	6.117426	5.88644	6.20051	6.488728	6.178641	6.031394	5.899584	6.239456	7.290071	6.195197
DNAH17	4.323895	4.575401	4.283819	4.339073	4.4910865	4.4046345	4.184831	4.28603	4.2411395	4.2489075	4.348273	3.9554195
CORO6	5.06552	5.211372	5.415853	5.074169	6.110714	5.581096	5.161399	6.24045	4.701165	5.015965	4.57878	4.613526
LDB1	7.184849	8.0096325	7.614137	7.2190485	7.619573	8.039581	7.7793965	7.533312	7.7082055	7.64661	7.5983975	7.7390335
DAD1	10.44754	10.45389	10.93851	11.13785	11.18311	10.93836	10.82111	11.14226	11.00778	10.60826	10.97107	10.35579
THSD7B	3.376087	3.256876	3.353885	3.241634	3.222296	4.261488	3.614271	3.453137	3.313787	3.638496	3.617469	3.522366
TSPAN1	5.651194	5.919359	5.646265	5.92326	5.87617	8.127967	6.106217	6.194911	5.870363	5.223395	6.054328	5.258954
IRGC	3.732289	3.791569	3.986396	3.903878	4.054808	4.097438	3.884746	4.11305	4.075949	3.604882	4.524126	3.677309
POLR3K	5.875416	5.800729	5.790832	5.8546195	6.8793515	6.767089	7.375643	6.798578	6.0474015	6.000445	6.3532185	6.021862
PFDN4	6.140499	5.857749	6.013141	6.256405	6.374809	6.586626	6.824587	6.43545	6.836286	6.368837	6.31785	6.507175
SEC24B	9.991726	9.496952	9.935214	9.903175	9.742352	9.971289	9.81485	9.757386	9.810089	9.336193	9.655894	9.23027
SRFBP1	6.432787	5.528878	6.021951	6.36652	6.554647	7.427925	7.077648	6.36546	7.484201	5.98489	5.843396	6.353284
NFATC4	7.106271	7.902712	7.626818	6.765198	7.230752	5.917248	6.751376	7.06622	5.941417	7.074796	6.618194	7.097473
CUEDC2	9.285273	9.599461	9.524885	9.575549	9.84699	9.7266	9.563082	9.750047	9.907467	9.742167	9.836142	9.736972
CARF	4.096783	3.360057	3.747032	3.493063	3.44306	2.944752	2.840024	3.089708	3.371733	3.286442	3.262697	3.704466
MRPL20	4.035516	4.207002	4.041959	3.945545	3.971413	3.950041	4.137384	3.951922	3.861624	4.162063	4.122816	4.096802

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
CHST9	2.9793705	2.837194	2.845606	2.8937345	2.988746	3.072622	2.726306	2.8598495	2.987073	2.4592525	3.582607	6.156501
EFNA2	3.728158	4.109619	3.933408	3.76133	3.718127	3.921482	3.784256	3.743579	3.858461	3.545455	3.703006	3.516369
AADACL2	2.819306	2.823651	2.584214	2.94371	2.735828	2.727203	2.419547	2.62925	2.633718	2.569158	2.670121	2.931014
GALNT9	5.783034	5.801126	5.708983	5.931481	5.529374	5.382732	5.470491	5.557669	5.483275	5.422001	5.73199	5.584514
REV3L	7.6311875	7.6138845	7.786711	6.936613	7.751405	6.566526	7.3859185	7.872062	7.259938	8.428487	6.781345	8.7837415
USP40	7.602391	6.9777805	7.1505015	7.0742035	7.1770985	7.213111	7.6215175	7.2110755	7.397492	8.13328	8.062892	8.5003495
SCN5A	5.00333	5.069106	5.359531	5.156855	4.644837	4.357773	4.473554	4.678516	4.919173	5.314124	4.950619	5.284398
SRP19	9.438301	9.221963	9.80437	10.0622	10.81092	10.78345	10.65911	10.71918	10.54024	9.994186	9.961329	9.948124
IL10RB	8.425245	8.314423	9.038153	8.70059	8.295393	8.164068	8.108597	8.34216	8.27664	7.954719	8.339108	7.421363
KIR3DL1	4.056165	4.310306	3.924867	4.0278	3.97662	4.025904	3.978113	4.053485	3.963608	4.025419	3.719619	3.687113
MATN1	4.211321	4.679397	4.4256175	4.6154905	4.3727365	4.4720255	4.3451375	4.405189	4.5154475	4.307877	4.808283	4.5064265
ANPEP	4.621391	4.639647	4.531837	4.491296	4.262964	4.314593	4.656292	4.56288	4.336555	4.567349	4.239612	4.476377
PLA2G12A	7.473448	7.5495405	7.4834695	7.837007	7.677836	8.711155	8.1343515	7.7038325	7.9882075	7.6851025	7.4792485	7.5560365
ANKRD9	5.093964	5.896086	6.149843	5.69161	6.101067	6.358728	6.103053	6.133042	6.951463	6.140505	6.191606	6.263541
MRAP	4.713283	4.642832	4.67141	4.674842	4.669254	4.660815	4.607642	4.580397	4.746372	4.277515	4.765446	4.36639
STK16	6.491166	6.5591015	6.548453	6.864053	7.004877	7.526501	6.8420115	6.8758505	7.0087335	5.9471315	6.951058	6.0569
DVL2	7.0242275	7.055923	6.8753445	6.7535115	7.424646	6.50773	7.568626	7.291179	7.649582	7.7302265	7.560686	7.611524
MYBPC2	4.149901	4.80505	4.03874	4.624992	4.686171	4.705445	4.358771	4.636142	6.107272	4.107259	4.567629	4.290905
TBC1D9B	8.9192255	8.965024	9.1966205	8.8044215	8.1268305	8.36529	7.8596465	8.1726665	7.9742095	8.3190205	8.370723	8.46845
THRB	7.179709	6.333898	7.054306	5.929514	6.868564	7.239199	7.919327	7.140792	5.749105	7.390779	5.833846	7.423937
ID1	12.05027	11.91727	11.70834	11.28463	11.23805	7.798847	7.816826	11.2022	7.125522	4.711149	6.8806	5.125844
SBF2	7.096882	7.266084	7.127961	5.777686	5.141044	4.66255	5.343914	4.925157	4.814783	6.803053	4.658338	6.279717
PLCB4	7.087627	4.1653695	8.150885	5.7396105	4.6928105	6.7997475	7.0446525	5.3484485	9.304124	7.355929	5.0229995	7.8474635
ABL1	10.07046	10.21526	10.36852	9.586058	8.746975	8.671455	8.743745	8.612561	10.23876	9.662089	8.683205	9.738575
CYP39A1	2.730341	2.570468	2.531981	2.879456	3.037096	2.718363	2.682588	3.834595	2.720599	2.577507	2.845102	2.910863
ZBTB40	5.743426	5.759339	5.851457	5.499964	5.912755	6.042278	5.783118	5.891511	5.23701	5.429861	5.572385	5.292603
CRIP1	8.003781	8.336428	8.857348	8.225027	9.327668	7.790178	7.650799	8.943909	7.612303	7.361211	8.518636	6.768576
COG2	5.6277335	5.372642	5.6544105	5.6539885	6.517838	6.3686215	6.6094495	6.4874015	6.0713545	6.9601745	6.774435	6.986397
FGF23	4.444664	4.763765	4.542523	4.716627	4.598095	4.416853	4.369697	4.498469	4.498448	4.449511	4.486484	4.4171
GPSM3	6.5227265	6.6838475	6.687682	6.2225805	6.031992	5.9810085	5.711852	6.1886565	6.2104	5.9424655	6.200801	6.0176865

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
CLDN5	4.271295	4.116277	4.862604	3.965749	3.552973	3.774251	3.447014	3.478981	3.635765	3.405088	3.66591	3.764518
DDX4	2.848483	2.736521	3.196658	3.309414	2.918214	2.850127	2.830303	3.117309	2.951724	2.703795	2.988483	2.741571
NF1	4.9913435	5.0624415	5.39455	5.0212125	5.462177	5.742007	5.4344265	5.358673	5.219832	5.853023	5.3570245	5.917346
MRPL42	8.384953	8.136091	8.020387	8.527807	9.194081	9.549198	9.619396	9.125179	9.260409	8.496645	8.193176	8.234907
CCHCR1	6.3853905	6.803591	6.6302735	6.606345	6.196041	5.9181495	6.605827	6.122401	6.5175975	6.547749	6.46279	6.6141035
ABCE1	9.7814145	9.789479	9.8062875	10.082185	10.64616	10.966185	10.85218	10.50239	9.762331	9.828125	9.7686455	10.0331015
BRDT	3.163243	3.11584	3.101907	3.443539	3.258588	3.191377	3.308142	3.330253	3.399581	2.955087	3.213488	3.093582
ZNF426	7.43279	7.274317	7.503346	7.436666	6.996529	7.50878	6.872875	6.960966	7.456011	7.312325	6.959311	7.334304
DPY19L3	8.124926	7.182526	8.212934	8.315293	10.40948	8.792433	9.431091	10.33692	8.535258	10.29976	8.734015	10.31442
CEP250	5.889355	6.0417725	6.229869	5.9307475	5.7044955	5.33502	5.625808	5.7401025	5.739453	5.4655435	5.68463	5.3905955
ELK4	5.502171	5.634045	5.712673	5.3924435	5.6264845	5.9944115	5.3665145	5.4345955	5.648473	5.059573	5.3102055	4.646245
TRNT1	7.297187	6.516118	7.797165	7.435322	8.30162	8.894565	8.463864	8.186656	8.089939	7.121788	7.915942	6.700763
PHKG2	4.014669	3.485406	3.614619	3.69338	3.911782	3.374536	3.752199	3.781009	3.631256	3.353608	3.647893	3.299049
FNDC1	7.860036	4.482484	6.309367	4.892725	4.377939	4.622094	3.720318	4.553572	8.154557	8.581924	5.60547	6.60899
PRRG3	4.3535895	4.463805	4.331053	4.2263375	4.5977015	4.737129	4.247007	4.5644795	4.250817	4.3588575	3.993798	6.0632045
TBC1D16	5.904325	6.39557	6.029376	6.178738	6.35976	6.319665	5.546939	6.421516	5.896834	5.87667	6.171922	5.734702
ARSA	5.69517	5.2569235	5.91621	5.8065245	5.5705525	5.603529	5.3808045	5.7779665	5.635809	5.618629	5.2364765	5.7096685
VAMP5	6.770205	6.808822	7.0177395	6.896587	6.618004	6.078247	5.891755	6.8082785	6.717581	5.1654075	6.6884465	4.749164
GPRC5A	5.725658	6.060662	8.136288	6.68976	5.598103	9.448421	7.872309	5.848782	7.722238	5.867024	6.341345	6.319143
HECW2	3.333327	3.040102	3.660602	3.647708	3.204757	3.048584	2.688534	3.226502	3.257215	2.969857	3.97038	3.040102
WDR3	8.904268	8.325819	8.301113	8.646196	9.719336	10.39202	10.38325	9.611946	9.102289	9.681115	10.17925	9.893827
DMRT2	4.053191	3.884543	3.946075	4.9491115	4.115972	3.735788	3.7737925	3.966582	3.738171	3.848703	3.6389945	6.381754
GABARAPL1	8.0606405	7.958916	8.170131	7.5805235	8.4899195	8.0628715	7.815735	8.3140455	9.062205	7.474593	8.2941085	7.2075585
DTX1	5.75959	6.293499	5.935205	5.939169	6.149882	6.73925	5.993999	6.117886	5.406813	6.48247	7.229618	7.088001
FGFR1OP	7.338396	6.782904	7.224793	7.538055	7.622537	6.995017	7.829434	7.555134	7.100367	7.155219	7.230976	7.134313
YTHDC2	5.3453555	5.917228	5.871707	5.626252	6.9113975	7.628426	7.252094	7.150979	6.7898305	7.666165	6.511612	7.710237
OR7E37P	7.796037	7.344018	7.746409	7.844206	8.219261	7.893251	8.286419	8.224523	8.209606	8.105471	8.059227	7.835522
ZNF331	7.176241	8.089406	7.7585065	6.442609	5.776849	4.5078055	5.8345835	5.677395	6.4044575	6.33724	5.720669	5.967261
CRYZL1	7.691274	7.599759	7.997781	6.998327	7.222012	6.785147	7.429692	7.269125	7.018387	7.293733	7.312744	7.632078
LENEP	4.174037	4.132587	3.793547	4.136293	4.083991	4.132116	4.261464	4.247827	4.051043	3.948843	4.198061	3.903343

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
DDIT3	9.135771	8.640021	8.405144	8.826019	8.577286	8.660594	8.178419	8.585242	10.92213	9.866634	10.96885	9.52552
MBOAT1	5.222813	4.64718	4.90193	5.318091	5.337102	4.359557	6.705315	5.415853	5.498418	5.540585	4.461675	4.371587
HERC1	3.205991	2.778805	3.278524	2.648251	3.505331	3.699499	3.268773	3.205991	2.911854	3.569562	3.166208	2.911854
ITPR3	6.1141385	6.211892	6.0255805	5.7145845	6.151123	6.047857	6.0894855	6.1837915	6.032117	5.882717	6.50027	5.697701
CCDC59	8.457158	8.746276	8.5736015	8.3427435	9.0278915	9.21198	9.3850005	8.9291375	8.8017885	8.9522385	9.21409	9.2639525
SLC4A2	6.717674	6.870932	7.169833	7.329772	7.463355	6.754668	6.814555	7.014205	6.407973	6.171128	6.145617	6.193382
LMOD3	2.305902	2.707481	2.430431	2.467535	2.483173	2.599865	2.501645	2.581019	2.480492	2.305841	2.507965	2.441763
RPL9	13.4196	13.45678	13.33358	13.49083	13.53433	13.31957	13.41675	13.49533	13.23795	13.35503	13.55649	13.30877
ETV1	7.884236	7.37085	6.959717	6.412971	5.61293	5.076827	4.924991	5.366723	6.34805	5.874006	5.945205	5.582915
GPBAR1	5.81805	6.206476	5.840154	6.026608	5.942116	6.326968	6.051991	5.952108	5.658841	5.843332	5.635027	6.073995
AP2S1	10.83256	10.9437	11.02434	11.47176	11.00252	11.091	10.75165	10.86949	11.43194	10.09032	10.78562	9.777184
XRN2	9.300667	9.0631785	9.2498055	8.975837	9.4663865	9.0314565	9.275182	9.4457875	9.1184315	8.0359075	9.0911735	7.7098985
HRH2	5.410109	5.29077	5.24748	5.528148	5.577592	5.389259	5.431291	5.235775	5.499109	5.000368	5.62561	4.991809
LOX	12.43424	12.92449	12.8703	12.57735	11.22685	12.57513	10.98528	11.30937	12.30442	10.72212	10.6477	10.57187
RAB36	5.557206	5.240469	6.245945	5.598474	5.385128	5.702759	5.197198	5.535705	5.381606	5.499655	6.052104	5.096561
UBA52	12.71213	12.72071	12.6898	12.74557	12.91357	12.70378	12.90324	12.92574	12.44825	12.87939	12.97277	12.86112
CLASP2	5.8450855	5.2523435	5.5882105	5.7143655	6.0127705	6.050182	6.778956	6.0022465	6.1684365	6.503098	5.472031	6.8439455
MAP3K15	3.310183	3.523975	3.45769	3.138002	3.273602	3.232533	3.06258	3.39266	3.078822	3.491747	3.472682	3.45809
TIMP2	12.36213	12.64598	12.42554	12.28967	11.59992	10.92401	9.914136	11.46892	11.60403	11.2544	11.75499	10.82495
STAC3	5.189188	5.511685	5.182786	5.099051	5.121935	5.107085	5.060295	4.950087	4.785917	5.167739	5.241333	5.320595
ADH1B	2.746906	2.6335025	2.865577	2.782584	2.9537065	2.5662145	2.532633	2.6099525	2.8691975	2.8266105	2.6356635	2.5654335
LHB	5.662177	5.794126	5.832221	5.657346	5.855406	5.831459	5.997802	6.040726	5.569295	5.834929	5.556991	5.979185
KRTAP11-1	5.746601	5.666175	5.849309	6.279233	6.154378	5.941005	5.73268	6.355901	5.986227	5.573566	5.871743	4.979813
AK3	9.854014	9.8096985	9.522252	9.5928445	9.927821	10.8964125	10.073262	10.1065825	9.8435155	9.267507	9.692307	9.397276
ZDHHC17	7.302352	7.410648	7.0711825	6.421515	7.2126025	6.5657045	7.0840595	7.278144	7.336004	7.1761405	5.879453	7.2806915
IFT122	6.986144	6.913147	6.894999	7.397995	7.062681	6.908315	6.845739	6.913316	6.85947	6.835364	6.922787	7.054115
LAMB4	3.267496	3.287392	3.216504	3.20124	3.063833	3.080293	3.288091	3.182609	3.216823	3.132713	3.124854	2.961315
INSR	6.394876	5.700449	6.577233	5.654212	5.935022	5.707626	6.024493	6.006143	5.656488	6.657534	6.182095	5.856809
EXOC6	4.729244	4.668594	4.993215	4.697879	5.087255	6.152233	6.629811	4.814078	6.184199	5.209548	4.728641	5.178721
PRDM4	7.887538	7.6455935	7.9341145	7.9769295	7.666127	8.399414	7.5839935	7.7256145	8.0641075	7.8606495	8.616535	7.709003

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
ARNTL2	7.82999	8.038554	7.2393825	7.4886375	4.146847	5.9146965	4.38815	4.2088755	5.910198	3.8769435	5.8961465	4.0103675
RBMY2FP	3.2739585	3.30541	2.958299	3.3716835	3.518301	3.214365	3.4286675	3.4873715	3.361335	3.2479035	3.2619325	3.214956
KRT23	4.329313	4.815555	4.666741	4.676484	4.004246	3.824326	3.966256	4.315951	4.039416	3.584985	3.888904	3.857047
RARG	7.06663	7.299248	6.520944	6.702748	6.61558	5.73245	5.69827	6.141174	5.736355	5.1071	5.190063	4.88365
UBTF	6.694647	7.203301	6.823524	7.133113	7.447537	6.957541	7.373343	7.176326	6.237762	6.555312	6.307968	6.244586
SETD1A	5.610627	5.78312	5.604826	5.704266	5.71154	5.909734	6.058347	5.51193	5.734344	5.442506	5.807953	5.762022
ENG	7.6547095	7.577888	7.3564005	8.0010895	7.0887855	8.7785715	6.631108	7.0281325	7.0581195	6.24662	7.2573865	6.398806
MAPK13	6.98301	6.3233615	6.1744945	7.53478	5.136729	5.9539385	7.4797955	5.3951135	6.0836025	4.9520265	5.158283	5.781424
SGPP1	8.5700185	8.7529675	8.945452	8.738963	7.998637	9.019665	7.502889	7.9430505	8.7307495	7.590733	8.5054875	6.664115
ACTG2	4.837139	5.134094	5.162181	5.150533	7.2458735	6.2880345	7.7387885	7.433215	6.255435	7.3183025	5.4888305	6.698256
DAAM2	6.787254	6.859469	7.861281	6.872024	6.731997	6.444371	8.032582	6.618196	6.425974	9.202255	6.004607	8.482473
GLS2	3.2369865	3.3591785	3.425252	3.334138	3.341648	3.3411675	3.669227	3.255299	3.331391	3.2657765	3.260987	3.2197965
USP42	5.467626	5.958425	5.370504	5.302816	5.478341	5.831733	5.821985	5.49991	5.17484	4.931434	4.962466	4.761945
ADAMTSL3	4.389776	4.772814	4.4133635	4.44619	7.3092695	6.579148	6.4786335	7.5847385	5.1344685	6.465587	5.766018	6.8452735
MAGI3	5.103555	4.76955	5.038051	4.942008	4.762977	4.993214	5.00808	4.562829	5.028486	5.331406	4.451218	5.23315
TM7SF2	5.011754	5.470488	5.538447	4.982491	5.854107	6.493186	7.465198	6.120531	6.077966	6.248287	5.233539	5.966766
REEP4	7.139233	7.02388	7.256075	7.699282	7.574908	7.655728	8.085647	7.40874	7.551711	7.525207	8.063797	7.931351
ADAM21	4.0683725	3.9772765	4.354207	4.5278685	4.8767915	6.617333	4.8006715	4.93883	4.741305	4.267392	5.3006245	4.528145
GLP2R	3.231986	3.388951	3.372053	3.355924	3.19161	3.426694	3.646219	3.835809	3.397117	3.010329	3.435971	3.35085
NLN	7.74021	7.2614145	7.096369	7.0922125	6.798911	7.1890315	7.0653645	6.6861815	6.4902505	6.498763	6.6401555	6.5079935
CLN6	5.839102	5.8097905	5.5856295	6.31843	6.0827135	5.8953435	6.567757	6.087421	5.8559905	5.8125065	6.00235	5.6050255
NKX6-1	3.882928	4.603436	4.14281	4.058417	4.073427	4.405745	4.298981	4.392955	4.369522	4.257589	4.407079	3.841774
AK7	4.3717945	4.606961	4.391488	4.3031895	4.086698	4.1625545	3.9849035	4.1974855	4.0355385	4.077634	4.1077205	4.0295215
AVIL	4.937358	4.656938	6.273571	4.098248	5.892355	4.920391	4.54004	5.571661	4.733908	4.990081	5.342575	5.577102
CYYR1	4.157904	4.106372	4.033272	3.1931655	9.758305	8.781814	8.8661105	9.832017	7.2370365	8.3213895	8.0577255	8.290797
SYT13	3.801695	3.8693345	3.7316065	3.78632	4.059454	3.8071335	3.9801965	4.163985	4.1071175	3.8174485	3.8166455	3.7737005
ECH1	8.82193	8.931238	8.975081	8.495237	9.574184	9.142406	9.44496	9.554651	8.714552	9.333287	9.414509	9.325617
CAMTA1	6.112127	6.0313185	6.034682	6.192618	6.338412	5.6833955	6.231503	6.236576	6.1228065	5.9761815	6.0343515	5.7376015
VAPB	6.650598	6.430133	7.753222	6.177156	7.161641	6.720365	7.437284	7.01321	6.899897	8.491129	7.76476	8.940201
PGM2	8.150593	8.275452	8.094956	8.052225	8.076416	8.266279	9.316482	8.0028	7.609818	7.888674	7.872583	7.08628

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
KIF11	8.667692	8.189352	8.228964	8.79067	8.287211	4.70237	9.365695	7.902373	6.053344	8.334146	5.901285	7.880951
AP1S2	7.874192	7.5915745	8.485087	8.3311505	8.0956505	9.303319	9.4758165	7.94012	7.973679	8.931214	7.7147135	8.865085
PSG3	9.322371	10.81419	9.400465	9.135582	5.457733	5.740667	4.927479	5.706496	5.210843	4.76946	5.492056	4.860968
VAMP1	5.630538	5.541974	6.103982	5.612023	5.981789	4.8655	5.932083	5.946415	5.261157	5.425765	5.415454	5.291756
CEBPA	4.795465	5.688655	5.364118	5.421713	7.049844	5.178562	5.186844	6.48247	5.4722	5.942888	5.456895	5.172832
SYT7	3.824767	4.736162	4.643072	4.331325	4.290568	4.973884	4.49236	4.67503	4.593869	4.230389	4.873636	4.583894
HOXA2	3.408376	3.438648	3.229788	3.435542	3.28088	3.323874	3.44102	3.333895	3.328552	3.572567	3.33386	3.952235
PROCR	8.848148	8.444962	8.348828	9.218971	10.09619	11.37356	9.57078	10.32185	7.297365	7.006202	10.13714	7.30667
PI15	3.895781	3.629283	3.709226	3.8286515	3.659941	3.8585255	3.9370325	3.9536435	3.7600145	6.1703505	3.737672	4.418643
DIO1	2.849828	2.94311	3.217794	3.168178	2.873978	2.997491	2.713222	2.753926	2.949083	3.098921	3.196659	2.742916
NEXN	8.061901	8.5055655	8.043297	8.793046	5.6229245	7.4027865	5.847172	5.8851465	7.995554	6.014078	3.6911635	6.1991285
TAAR5	4.882266	5.180983	4.914935	4.8248	5.012226	4.982161	5.098219	5.287307	4.764678	4.597641	5.035115	4.579154
CREBL2	8.886849	8.790041	8.782998	8.389016	7.449683	7.643855	7.288321	7.627226	8.122461	7.035843	7.235394	6.885221
MCF2L	4.7318545	4.9264325	5.023551	4.763701	4.814544	4.725799	4.690833	4.757326	4.6543545	4.7366485	4.642497	4.647926
TRIM51	4.07848	3.795105	4.062793	4.10107	3.98884	3.931472	3.837457	3.760747	3.690376	3.531955	3.662338	3.716393
FBP2	4.944641	5.289237	5.108749	4.891127	5.220981	5.177158	4.880054	5.076785	5.21709	4.795371	5.181927	5.131235
DSCR8	4.903043	5.345184	5.265575	4.949884	4.818212	4.847504	4.801718	5.011576	4.834912	4.652895	4.818151	4.113702
LOC284009	3.930871	4.273265	3.85841	3.950752	3.434211	3.358138	3.460953	3.285917	3.644618	3.693255	3.6432	3.883308
SLC17A1	2.413837	2.55856	2.533544	2.410458	2.383909	2.41613	2.509044	2.347802	2.396573	2.424672	2.41649	2.325386
SUV39H2	5.5347455	5.0637045	5.3588515	5.632551	6.255909	6.3389095	7.234133	6.1289575	5.645558	5.458504	4.856836	5.1292755
IFNGR1	8.194167	8.258255	8.20742	7.90779	8.350761	8.872383	8.063395	8.301044	9.752946	7.791297	9.738603	7.441234
FSTL3	7.30159	8.009342	7.575621	6.2842	6.739262	8.213103	6.564763	6.878851	7.748751	6.915877	7.737867	6.714835
SLC9A9	5.634228	5.789627	5.938281	5.653898	5.4794325	5.112201	5.2490635	5.5275345	5.7327795	5.372211	5.534081	5.261796
HLA-DQB1	3.0773	3.356127	3.478504	3.134098	3.159797	3.132286	3.006457	3.219379	3.246389	3.087899	3.441817	3.24568
ZNF117	4.1369045	4.120776	4.862346	4.023936	3.9567015	3.0500585	3.4913595	3.977926	3.911606	5.4733425	3.0393315	4.1538845
NOVA1	3.199969	2.735338	3.486257	2.844878	2.662987	2.841371	2.563217	2.735539	2.78817	4.606919	3.017748	4.704428
KHK	4.973181	5.087017	4.6932	4.819884	4.954149	5.005555	4.890426	5.0469005	5.1871415	4.8300235	5.116146	4.7989065
PCDHB4	3.237713	3.060855	3.1497865	3.079382	3.286391	3.1718495	3.098009	3.1745265	3.206333	3.510002	3.380182	3.0659235
MAP1LC3A	7.375424	8.148948	8.080619	7.960686	7.914907	7.850473	8.000587	7.810945	8.239105	8.240023	8.150657	7.802105
MSR1	4.3081305	4.5062185	4.127469	4.5971755	4.0989165	4.2225115	4.283608	4.293947	4.3318165	4.208664	4.3640445	4.08796

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
CTNNA2	4.106616	3.869368	3.978772	4.174278	3.995814	3.8215	4.097475	3.836778	3.838604	3.917173	4.022142	3.96173
KRCC1	9.141639	8.907825	8.862413	9.415565	8.649761	7.721186	7.836192	8.414243	8.66973	7.969108	7.645923	8.040745
MSX2	3.455303	3.616668	4.333934	3.849571	3.698595	5.978558	3.056653	3.569462	3.749375	3.372054	4.627232	3.505966
ZNF345	4.5316415	4.75067	4.64144	4.640189	4.324059	4.261537	4.180332	4.3536175	5.0561565	4.9279195	4.4872765	4.8229015
PKHD1L1	2.790419	2.817003	2.845075	2.62898	2.70127	2.931014	2.735337	2.873829	2.832124	2.793725	2.910397	3.038498
WARS	9.529337	9.1880275	9.9083775	9.7715045	9.664156	10.721365	10.051775	9.658171	11.615205	10.018405	12.110455	10.3619995
PTPRK	5.8673775	5.178704	5.525271	5.8297615	4.6985735	6.0358325	6.315927	4.750024	6.9238365	6.9439965	5.9123465	7.143539
CRIP2	8.868965	8.641451	8.357918	7.985497	8.97915	8.240133	6.876519	8.69855	8.822223	6.707895	7.656049	6.150949
SLC30A7	8.543541	8.222417	8.335728	8.685326	8.208061	9.095237	8.02914	8.210649	8.712645	8.405723	8.213374	8.612253
APOL3	4.283701	4.207186	4.673363	4.492371	5.992218	4.018902	5.155919	5.92027	6.732501	6.005807	6.282547	6.383237
PEX13	5.366978	5.344979	5.310287	6.263657	6.781318	7.08809	6.575634	6.871623	6.940701	6.113738	6.867676	5.983488
AUTS2	4.518093	4.508265	4.469939	4.435335	3.706001	3.242433	4.052931	3.974047	4.681376	4.304969	4.409282	3.541508
ITGA6	7.6903675	9.065292	7.067403	8.8968625	6.139987	10.225541	4.725273	6.164467	7.006719	4.625461	7.9685285	3.924883
TSSK2	4.9479355	5.156321	4.9006085	5.095981	4.8132795	4.755006	4.7529175	4.9048585	4.6833255	4.525469	4.9485905	4.576083
DOK4	6.983909	7.101536	6.619971	6.737275	7.110497	8.42244	6.722977	7.250772	6.316097	5.810472	6.799819	5.445908
KCNS1	5.448193	6.33101	6.127562	6.212142	5.258123	4.711891	5.149528	5.275588	5.511395	4.956596	5.172402	4.603607
MUC4	4.267848	4.533283	4.622253	4.405384	4.108083	4.177543	4.315619	4.192815	4.222289	4.137679	4.46029	4.256826
RETN	5.414995	5.794417	5.048985	5.451126	5.415647	5.24051	5.580634	5.650455	5.17874	5.100276	5.652571	4.958148
TCP11	4.283276	4.34193	4.624828	4.39471	4.477992	5.861	4.582878	4.483906	4.599746	4.372511	7.627137	3.87393
NIPA1	5.581156	5.293325	5.9831865	5.628538	7.2522025	7.9250195	7.011824	7.2010205	6.272834	6.1297985	7.040053	6.19079
CARD11	5.1398465	5.6546925	5.2427155	5.105011	4.750768	5.113875	4.939079	4.7220455	4.9528565	5.0904455	5.106586	5.382666
PPP1R3B	7.379087	7.962242	7.309819	6.809477	6.530308	4.311975	4.13629	6.562838	6.090891	4.353524	5.501444	3.699193
FBXL3	7.333274	7.227946	7.3993025	7.2510555	7.0158755	6.5876495	7.057602	6.9270965	6.910397	6.3355715	6.368015	6.2574965
PLEKHG4	8.42478	8.036261	8.345792	8.173377	7.360088	8.176643	6.798905	7.206599	8.62797	7.541263	8.329544	8.680396
GPR31	4.967262	5.108049	4.685428	4.576819	4.893059	4.95975	4.925461	4.960053	4.911289	4.628996	5.113369	4.72977
FOXC1	5.589826	7.316243	6.3349475	6.1315115	5.3399135	7.355668	4.9520655	5.246403	8.333813	6.320918	7.230929	6.29394
PLEKHO1	7.971484	8.344849	8.146355	8.097729	7.650452	7.236329	7.059018	7.51945	7.926951	6.932782	7.380208	6.270466
KAAG1	3.629584	4.396108	3.900519	3.692111	3.439397	3.55417	3.329618	3.334445	3.452663	3.200157	3.857391	3.438337
CDH7	3.5587785	4.1067365	3.4487665	3.4395585	3.4077845	3.450405	3.5355165	3.5585855	3.2570725	3.431212	3.487684	3.3323715
PPIG	7.7837685	7.84879	7.5986465	7.430857	8.733128	8.63057	8.7769805	8.670689	7.9024375	8.3970325	6.4959525	8.6382675

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
SLU7	8.270824	8.0427035	7.974301	8.3036175	8.6402435	8.837601	8.24128	8.6397445	8.750537	7.906822	8.4277325	8.064634
TCF12	7.248374	6.808906	6.801379	7.153923	8.503304	7.46463	8.075163	8.455862	7.305225	7.542482	6.170056	7.364863
CA2	3.339985	3.214205	3.057878	3.734508	9.753763	4.407987	9.716566	10.3609	3.247479	9.450975	3.992266	8.267176
SURF1	6.79141	6.822589	7.102129	7.165721	7.5207715	7.520855	7.186561	7.5949145	7.1251745	7.438321	7.0481215	7.7936235
NAGLU	5.6615685	5.72808	5.643587	6.1082895	6.075237	6.0889395	5.9995115	6.086309	6.296107	5.716274	5.506069	5.5315425
SERPINB9	3.781823	4.426455	3.971804	4.421743	5.808204	5.559113	7.911216	5.655097	4.247007	4.99245	3.831989	4.638201
KCNJ5	4.92581	5.1134345	4.9633855	5.200796	4.876565	4.7598045	4.863771	4.825972	4.68985	4.6637565	4.935076	4.67565
TFF2	3.692215	4.14476	3.702291	4.607091	3.876664	4.275991	3.773348	3.974316	4.04629	3.737402	4.164752	3.344141
ARF1	7.048939	6.440173	6.357459	5.750691	6.458144	5.908152	6.343809	6.434686	6.301072	7.060856	6.909897	7.266045
FUT11	7.6787275	8.187973	8.201905	8.040022	7.135775	6.8662215	6.820145	7.226314	7.4472695	6.727721	7.167403	6.515207
CA4	4.1342755	4.394547	4.168587	4.309526	4.3411335	4.1178825	4.574154	4.1845375	4.161436	3.829756	4.4538855	4.17247
SCML1	7.166422	6.9829285	7.2898055	7.0097625	7.7555785	7.2975735	8.2516985	7.653193	9.0307385	7.5933565	7.318349	7.3674925
GCLM	9.14844	8.933977	9.002753	8.686476	7.90031	8.556064	7.756555	8.071582	9.171287	8.055342	6.878245	7.220429
PYY2	5.695826	6.35611	5.513697	5.388249	5.21302	5.513946	5.437476	5.579534	5.131753	5.152194	5.366198	4.740182
ZNF416	5.6836365	5.6346805	6.000995	5.8522595	5.809795	6.2692075	5.9436365	5.8279015	5.79185	5.922745	6.906268	5.905805
PACS1	6.260579	7.408898	6.296869	6.3460335	5.449406	5.370977	5.2301275	5.463824	5.496415	5.4021075	5.40777	5.5007995
CCR8	4.464792	4.652643	4.756093	4.713264	4.713264	4.575587	4.675459	4.663573	4.645136	4.735892	4.86181	4.398907
OGFOD1	8.241211	8.220868	8.429238	8.386616	8.322804	9.062868	8.442028	8.294075	8.751139	8.235952	8.959639	8.351236
SLC39A2	5.080203	5.156837	5.231261	5.674045	5.20121	5.210031	5.108043	5.418097	4.893411	4.78343	4.887479	4.873369
KIF21A	3.7640415	3.3957555	3.8513295	3.8471705	3.036973	6.8767765	3.6108265	3.195176	5.231516	4.15296	4.8790075	3.538384
ACADSB	5.567303	5.379999	6.1031955	6.144227	6.686598	7.50225	7.6954085	6.676568	6.346948	6.825258	6.344571	7.0828565
PLEKHG3	5.304814	5.141526	5.351695	5.2236665	5.362547	5.234515	5.3163475	5.2897905	5.2919675	4.983338	5.2201565	5.0988015
DPP7	6.353918	5.71354	6.117359	6.294664	6.89157	6.461964	6.657018	6.813028	6.470481	6.079214	6.249546	6.210377
PLAGL1	9.49085	9.446732	9.475218	9.468573	5.776667	9.474368	8.740596	5.901191	8.161684	7.938009	8.459746	8.286752
ELOVL3	4.356309	4.352738	4.291563	4.696815	3.981584	3.92925	3.905991	3.789854	4.33359	3.781822	3.891992	4.069105
CYBA	7.810439	7.923603	7.8395835	8.191172	8.0016605	7.739875	7.5755815	7.999313	8.310483	8.154533	8.611458	7.925755
FSIP2	2.498109	2.55856	2.240914	2.486119	2.591846	2.680586	2.39676	2.595093	2.571294	2.493084	2.66478	2.758165
RAB11FIP5	8.643207	8.666486	8.761463	8.599506	6.674771	8.464317	6.250912	7.127563	7.85898	6.798158	8.590021	5.943752
PRDX4	11.84892	11.71241	11.72774	12.02576	11.72923	12.12669	11.48265	11.73469	11.27215	10.83312	11.33525	10.65922
CFHR5	2.955087	2.533341	2.89176	2.515232	2.40282	2.329557	2.268965	2.461263	2.418096	2.604191	2.507193	2.659885

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
PKD1L1	2.674968	2.990901	2.9842965	2.9271125	2.8579055	2.8356485	2.7752005	2.917143	2.723234	2.6216605	2.822562	2.777303
CRB2	3.53659	3.965212	3.595501	3.811038	3.986163	3.49499	3.615194	3.785662	3.761825	3.411597	3.645366	3.675619
CD58	6.864184	6.04439	7.107043	7.311008	9.677608	10.84283	9.565495	9.803055	7.932145	7.715156	10.20543	7.744781
DYNC1I1	4.056056	4.118328	4.2222285	4.0616985	7.206914	5.042818	5.565545	7.0713065	3.882508	5.04586	4.4664105	4.7305865
ANGPT1	7.519916	6.669859	7.867485	7.36115	10.39367	5.884489	9.259554	10.22847	6.19486	8.628534	4.665703	6.895825
RGMB	10.59026	10.80365	10.2736845	10.053052	5.2317085	5.5509125	5.879822	4.999304	8.146121	5.7870995	6.1691745	5.8687275
ATXN10	9.5921175	9.4947635	9.731004	9.927041	9.521709	9.7322715	9.482795	9.445658	9.572462	9.45325	9.358383	9.173583
DOK2	5.54761	5.733867	5.47265	5.884581	5.119158	5.051085	5.365772	5.161253	5.433951	5.041081	5.190304	5.123547
ATE1	5.250189	5.2385545	5.332803	5.0775925	5.8105495	5.7455615	5.5699245	5.700071	5.6091755	5.3121265	5.4946535	5.316012
CCT2	11.26636	11.111085	10.9002	10.95819	12.08939	11.899195	12.349875	12.060565	11.19206	11.03313	11.521055	10.7717975
FKBP7	7.438178	7.569051	6.997924	7.802881	7.07985	7.188656	6.792067	6.823235	7.556681	7.673156	6.157351	7.781857
GPR88	2.234776	2.55988	2.350375	2.450583	2.410435	2.497764	2.359518	2.42085	2.468189	2.481824	2.446375	2.233211
PCDHGA1	4.447475	5.086703	4.210091	4.830562	4.590395	3.894021	4.120793	4.537818	3.797123	3.643421	4.277411	3.565094
LRRC37A2	6.392597	6.510623	6.606965	6.381229	6.856818	6.615969	6.442564	6.631781	6.252523	7.217799	6.216897	6.979075
PDGFB	4.499013	4.5090055	4.60572	4.382523	4.305173	4.177366	4.175651	4.3947035	4.127041	3.9411115	4.651459	4.26546
ENTPD6	4.139951	4.140367	4.21009	4.474903	4.515575	4.422089	4.578308	4.723372	4.652076	4.561701	4.727705	4.963665
HMGCLL1	2.489736	2.543836	2.615866	2.430157	2.367747	2.295581	2.547732	2.555934	2.529952	2.500726	2.503644	2.625163
CRX	4.243041	4.3896175	3.9867305	4.1566435	4.2575815	4.270598	4.1501745	4.2611345	3.940638	3.791989	4.1544065	4.0116365
ZNF704	3.5425185	3.7199875	3.473541	3.6494805	4.698176	4.5746765	4.248192	4.4409205	3.509733	5.1096185	4.0784795	5.21405
ALKBH4	6.016272	5.878701	6.118584	6.111473	6.585967	6.869186	6.81553	6.609706	6.607327	6.560801	6.624831	6.429078
TSPYL5	8.533288	8.288424	9.192713	8.036654	8.689775	7.669863	8.531107	8.582372	9.370604	8.744789	7.900708	7.715961
RPL35A	7.173187	6.722488	6.896979	7.480264	8.013021	8.678112	7.750164	8.04962	6.626977	7.473706	8.052811	7.628859
NCALD	3.297617	3.570239	3.334281	4.55505	4.37811	6.771421	6.891259	5.223108	4.999845	6.309852	6.11511	5.833965
RSL1D1	7.672479	7.06858	7.998989	7.711379	7.669984	8.471291	7.618249	7.610413	9.018333	7.294848	8.544572	7.76328
ASB1	7.092321	7.001876	6.524309	6.705234	5.653464	6.049176	5.576887	5.172903	5.591546	5.514226	5.222277	5.351563
HSD17B2	4.500317	3.672776	3.751506	3.834481	3.585443	3.393683	3.156267	3.13951	8.389279	2.99092	3.469074	2.916845
RAI1	5.789384	6.220721	6.026929	6.222591	5.822774	5.791335	5.92321	5.831721	5.64421	5.55126	5.84667	5.509156
PIP5K1B	2.7743905	2.8413995	2.8734145	3.0416365	2.933558	3.063882	2.8891545	3.052914	2.9433905	2.7110745	3.271512	2.730348
MAST1	4.760529	5.232751	4.629284	4.32796	4.6244	4.518915	5.090637	4.733506	4.620265	4.212318	4.757741	4.56344
HSH2D	3.34035	3.024623	3.621209	3.111567	3.224216	3.109105	2.971976	3.119803	3.108632	3.017582	3.28481	3.107247

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
FBXO43	5.205801	5.001918	5.072604	5.315667	4.907854	4.728079	5.03374	5.072714	4.84232	4.901917	5.088518	4.806054
HIBADH	7.738549	8.500905	8.111793	8.367824	8.690579	8.640377	8.026745	8.540785	8.281217	7.357816	7.788982	6.777607
EIF2B2	8.630866	8.396786	8.814848	8.952568	9.464657	8.790585	9.344781	9.45509	8.418236	8.387138	8.762297	7.885252
GALT	5.13513	5.626656	5.216109	4.711826	4.787886	4.05076	4.804602	4.202925	4.584623	5.081383	4.349384	4.850764
KRT3	3.948704	4.591841	4.616103	4.542171	4.323467	4.246585	4.41698	4.064243	3.856441	3.772244	4.203212	3.539953
PTTG1IP	12.37978	12.06051	12.43585	12.38914	11.01431	12.26139	10.7787	11.12649	11.24961	11.21426	12.55671	10.8732
GPR12	3.7781345	3.954966	3.909113	4.0144935	4.176366	4.2844165	4.2565555	4.149463	4.049585	3.8642055	4.1461135	3.9671925
IER2	11.01039	10.796	10.10936	10.33407	9.36431	9.527236	9.173832	9.307029	11.12735	10.08667	10.72653	9.934524
GALNS	6.175605	6.164724	6.535306	6.442193	6.440039	6.798493	6.5299895	6.3462995	6.561201	6.918157	6.6121345	6.9254685
NRXN2	4.3217225	4.6759255	4.307368	4.1568245	4.04269	3.891126	4.0025765	3.9772135	3.86217	4.0373945	4.07484	4.01875
RAB3IL1	6.067318	6.579942	6.265259	6.356638	6.012377	5.598892	6.259048	6.206887	6.058827	6.015109	6.278317	5.798177
GALNT3	3.4159095	3.4551205	3.820651	3.8493035	3.842707	3.994412	3.913768	3.879479	6.8124665	3.747676	3.975142	3.8464475
AVP	4.844305	4.486249	4.562789	4.772395	4.422069	4.810948	4.722655	4.450269	4.521314	4.313117	4.392007	4.443746
ZNF367	7.570386	7.654381	7.71278	8.193115	7.178394	3.798389	7.668048	6.744832	5.984237	6.946294	5.73789	6.521055
TCF7L1	7.326369	7.541768	7.808426	7.319194	5.086639	5.546247	5.316846	5.244468	7.238374	7.763488	6.060692	7.490321
MARK3	7.458532	7.043616	7.779724	7.929009	8.203037	7.771163	8.070967	8.087976	8.046425	8.281985	8.122753	8.33168
CHSY1	10.02148	10.31886	10.59726	9.888414	8.787176	8.819427	9.065869	8.7332	9.840912	9.699139	9.30052	9.663635
DMBX1	2.630481	2.965347	2.813141	2.619931	3.0724	2.823086	2.866078	2.949686	2.999177	2.66478	3.143391	2.773895
ULBP3	3.832436	4.053729	3.760046	4.04452	5.803951	7.66415	6.146353	6.022364	4.511599	4.412784	5.881528	3.467168
ADAM10	8.884768	8.647257	8.957394	8.82261	8.344991	8.565913	7.749309	8.418069	8.797906	6.952087	7.330102	6.175461
AGRN	5.901045	6.840858	6.44271	6.237255	6.352199	6.3675705	6.194369	6.272707	6.5120455	6.3802845	6.3247525	6.1896405
CLEC11A	7.234638	8.364134	7.457403	7.733196	7.041623	7.585463	6.406418	6.767327	6.380792	6.900355	7.44399	7.070037
AGR3	2.720654	2.610471	2.555999	2.47584	2.301902	2.389803	2.51405	2.712808	2.318473	2.410584	2.50864	2.351062
NDUFA8	9.613997	9.304483	9.505301	9.895655	10.4383	10.12686	10.77917	10.43706	9.585894	9.961287	10.31856	10.10112
EML3	7.284757	7.345734	7.421931	7.305246	6.492571	6.265221	6.691159	6.346978	6.099782	6.614394	6.548524	6.369996
IFIT5	7.180283	7.1562655	8.12913	8.4176915	8.409	8.426248	8.5604885	8.351621	10.409775	7.8234705	9.4047555	8.265281
NF2	5.7359995	5.9165465	5.8710695	6.2801875	6.0150115	5.9527075	5.9502515	6.028122	5.355429	4.701215	4.929903	4.571985
DIAPH1	6.817324	6.8776175	6.9547725	6.866422	7.1479555	7.1433175	7.089971	6.981046	6.1958	6.805551	7.230869	6.7757295
CHST7	7.124165	6.553355	6.59867	7.561159	6.793182	7.108116	6.935525	6.7088	6.646256	6.520668	7.206676	7.227046
CCL20	4.966516	3.547419	4.118188	4.156315	2.903573	3.26645	3.117141	3.769602	4.789555	3.60159	7.766528	3.565093

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
ZNF7	3.950203	3.940031	3.8006435	3.847317	3.8478145	3.7940495	3.7187205	3.9288925	3.924809	3.928758	4.144846	3.88844
CLPTM1	8.593485	8.761146	7.936427	8.563035	8.084339	8.933427	8.1942405	7.849253	8.143028	7.611778	7.6915865	7.3668455
DDX5	7.478288	6.861536	8.259437	7.744122	8.137459	8.534948	7.968049	7.812397	9.011552	8.508331	8.925458	8.474481
KCNK5	4.795927	5.110201	4.9706135	4.931463	5.026523	5.6556385	5.2499085	5.264791	5.0341905	4.9648645	5.427664	5.2685595
STOX2	3.631373	3.6727305	3.573976	3.651104	3.447042	3.5037075	3.628517	3.4936375	3.6800425	3.668976	3.5437045	3.5501965
SMAD6	4.8999335	5.1463925	4.6667405	4.804129	5.007132	4.581572	4.9170195	4.990484	4.4012215	4.412894	4.69662	4.446246
UTP14A	6.2966355	5.8695165	6.223834	6.2326575	6.970958	6.7004665	7.2838155	7.0831345	6.0923095	6.2965985	7.2996475	6.285063
AHSG	3.9182735	3.7668055	3.914995	3.8447345	3.6106845	3.7353505	4.343291	3.7912235	3.6772085	3.566431	3.740459	3.775794
SRP14	12.54539	12.38244	12.11841	12.40979	12.78709	12.52445	12.49535	12.85283	12.34151	12.40693	12.34472	12.38734
SERPINA10	3.966538	4.246934	4.250931	3.757858	3.901159	3.884084	3.812679	4.161691	3.83535	3.968651	3.899544	4.614956
DEPDC1	8.2689525	7.7488025	7.3673945	7.777438	8.5060625	4.1191965	9.0995635	8.170823	4.654237	7.1551235	5.169619	7.182282
RNF126	7.193207	7.511101	7.542838	7.122119	7.102139	7.8724	7.644057	6.914478	6.494403	6.677216	7.152921	6.94977
ZNF610	5.660612	5.706097	4.799736	5.550161	5.132055	4.730281	3.92851	5.230867	5.920662	6.313713	6.655407	5.891853
ZBTB25	6.020699	6.252193	6.59867	5.876229	6.986741	5.831741	5.970548	7.057883	6.7096	5.898053	6.237116	5.726584
RIPK3	6.19299	6.590556	6.735322	6.09329	6.251825	5.674316	6.022364	6.11871	5.840126	5.440108	5.964154	5.467623
RND2	3.6166945	4.463077	3.9874345	4.241652	4.059805	3.8108785	4.5582265	4.1838925	3.7984005	4.033232	3.707073	3.7904835
NUDT22	6.2908145	6.717927	6.2609395	6.1870575	6.0342385	5.7225765	6.056817	5.981118	5.8904025	5.7387035	6.2047515	5.574306
RSBN1	7.748751	7.447751	7.748903	7.790469	7.041365	7.399917	7.289724	6.974895	6.972846	7.796535	7.019465	7.839903
ACOT8	6.210366	6.2527295	6.053744	6.3899935	6.299343	6.4751865	6.3718795	6.4208325	5.895789	5.8233035	7.1183965	6.055513
RHBDD3	6.585528	6.7000105	6.4580995	6.4878335	7.03842	6.9213465	7.320175	6.894496	7.3020545	7.3499865	7.1932635	7.1752685
E2F3	7.591386	7.0859825	7.4217905	7.4448645	8.4916275	8.720895	8.4880255	8.484324	7.876091	8.9727005	8.3014835	8.8701785
STH	4.93393	5.312322	5.120088	5.265613	5.175319	5.230865	5.446089	5.437321	5.069603	5.256776	5.513439	5.189169
PDZK1	3.609222	3.291569	3.634553	4.313323	4.61372	5.905491	4.416853	4.250412	3.430144	3.582273	3.393579	3.573558
TRHR	4.082697	3.815036	3.96402	4.16769	4.078275	3.802868	4.247596	4.178296	4.075618	3.808584	4.051512	3.675457
TPD52	3.363454	3.29963	3.372054	3.01434	4.873402	5.475737	7.474375	5.10241	7.119075	4.177581	3.551046	4.098534
ANKRD40	6.826808	6.541315	6.895825	7.078276	7.356379	6.964264	7.40301	7.139676	6.840618	6.59867	6.814847	6.48568
GK2	3.902451	4.182997	4.053771	3.830685	3.965463	3.981469	3.941125	4.01419	4.192708	3.867746	3.752172	3.618657
KCNK13	3.377287	3.825528	3.777843	3.822162	3.932891	3.546304	3.679188	4.032544	3.61728	3.764435	3.770775	3.359874
ELOVL1	9.612431	9.326907	9.3258135	9.5712785	9.184329	9.9110375	9.0309145	9.2115535	8.794964	8.13628	9.7674475	7.772912
NTSR2	4.135115	4.586604	4.44218	4.619699	4.437863	4.240909	4.421351	4.358092	4.491026	4.871192	4.490427	4.222661

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
LARP7	5.505155	4.360433	4.897358	4.671783	5.725657	4.597115	5.640433	5.655658	4.330728	6.730582	4.591953	6.498888
CTBP1	9.0877795	9.624631	9.26764	9.16028	9.8113225	10.281776	10.0432045	9.631926	9.839586	10.0384455	9.6784595	10.0255155
PXK	7.3802075	6.979088	7.7047255	6.652011	6.15355	5.8892815	5.6668565	6.0170525	7.215658	5.9262315	6.39489	5.4070115
LIN7A	3.7769275	3.525881	3.2799465	4.5869115	2.673666	2.826108	2.8145525	2.876691	3.1980635	4.278887	2.761858	3.025839
VNN3	3.926357	4.308482	3.873373	3.994249	3.733461	3.840296	3.825987	3.875737	4.045084	3.804533	3.863372	3.551329
GLI3	7.428377	7.476092	7.350195	7.010884	8.051801	8.012012	7.60384	7.939167	7.118074	7.861603	7.473687	7.891897
CRABP1	4.0546285	4.274592	4.050048	4.109404	4.3361715	4.299255	4.1353945	4.504845	4.5195265	5.771494	4.4367885	4.304668
TYRO3	6.5083345	6.2311925	5.778329	6.453255	5.7658575	6.5398565	5.840785	5.79613	5.338399	5.8936505	6.119862	5.878555
BCAM	5.647804	6.105894	5.7074485	5.5759675	5.20544	4.9865445	4.90069	5.0480765	5.0473045	5.2303925	5.2057065	4.887843
PTK7	6.733247	6.955134	6.9536265	6.4941025	6.1803345	4.8698245	6.086114	6.005937	6.466264	6.863991	5.473591	6.068054
ALDH1A3	10.03292	8.950313	9.297775	7.914339	4.309645	4.920439	4.167437	4.64459	4.473951	4.27378	3.92165	4.11374
ATXN7	6.652244	6.567148	7.584334	6.182657	6.285719	6.481123	6.611728	6.016563	7.326912	6.39644	6.657018	6.58225
CLDN15	6.899706	6.569534	6.750241	6.449048	6.809355	6.967044	6.5329325	6.839213	7.096593	6.954621	7.289383	7.073369
RAB10	10.59125	10.37276	10.406385	10.67376	10.352535	10.6994	10.48787	10.395975	10.90121	10.2526055	10.84339	10.130939
CLDN3	5.02806	5.1149105	5.029302	5.0134175	4.9780415	5.007151	5.02814	5.08789	5.02222	4.8897045	5.2046315	4.910279
FANCM	4.518492	4.4562365	3.967432	4.4907345	4.514565	4.5960415	5.139058	4.437734	4.687169	4.6613965	3.71317	4.8204905
IAPP	3.547658	3.542852	3.392336	3.287966	3.806314	3.565094	3.614649	3.961648	3.707024	3.457351	3.707591	3.248403
DSG2	3.602497	3.907544	2.68676	3.033047	3.044126	3.023486	3.212195	3.185228	6.581973	2.772487	5.445322	2.772487
GLP1R	4.763952	4.911664	4.526017	4.674469	4.740866	4.730087	4.702364	4.663595	4.636828	4.611094	5.072041	4.216587
CUEDC1	6.661147	6.789255	6.270252	6.52661	6.222668	6.393871	5.835392	6.040844	6.335045	5.9204335	6.0532895	5.91239
POLDIP2	8.2286925	8.2998675	8.4855195	8.74619	9.226007	9.6411645	9.2132235	9.2799225	8.893934	8.5312675	9.3164295	8.5743805
SLCO2B1	5.539446	5.164694	5.33065	5.612124	5.70403	5.587445	5.440428	5.741199	5.682739	5.454175	6.098634	5.359498
DUS3L	5.2224155	5.204972	5.152856	5.0120335	5.2688695	5.722758	5.573734	5.327129	5.164865	5.3107665	5.3744825	4.7296665
SSTR1	6.0316745	6.2464595	6.1754175	7.36568	4.853488	3.658043	3.832746	5.1308005	3.893616	3.3177975	3.7033815	3.213352
ELMO2	7.3375855	7.0132625	7.480339	7.302025	7.0749115	7.492271	7.038475	7.092652	7.19908	7.244177	7.530575	7.077306
SLC16A3	9.479329	9.56135	8.572386	9.55712	7.482471	6.789362	6.369897	7.74463	9.960222	8.298459	8.023712	6.311201
DRG2	7.693364	7.7703135	7.528923	7.640509	7.7585315	8.3497385	7.6901045	7.6948425	7.7358005	7.6463265	8.1533205	7.514532
DENND1A	6.0832545	5.977389	6.967249	6.733923	6.207681	6.4807865	6.6799445	6.2651745	5.9939825	6.3156485	6.8408475	6.3808295
ZNF641	4.724062	4.9035745	4.7880385	4.5960625	5.078978	4.5527665	4.366402	5.1291335	5.2838435	4.8570025	5.0517275	4.7649315
GPR19	3.684541	3.720283	3.725711	4.114353	3.760892	3.444987	3.812153	4.024714	3.870155	3.348114	3.568214	3.752437

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
ACOT9	8.279366	8.296438	8.406541	8.222516	7.715338	7.901406	7.6451745	7.735982	7.9310465	7.617904	8.2734245	7.61968
UCN	3.560369	4.082491	3.853418	3.839514	3.74821	3.946289	3.771824	4.037507	5.250406	4.068136	3.982348	4.16874
TDH	3.59015	4.200671	4.135624	4.160735	4.200671	4.419965	3.838819	3.905142	3.846273	3.71586	3.895813	3.785885
RNF8	6.050496	5.918095	6.050582	6.3406605	6.0439715	6.217414	6.5296235	6.080524	5.915581	6.085065	6.519914	6.189061
GEMIN6	7.0650145	6.9650335	6.693745	7.10949	7.5586905	8.084094	7.7479915	7.4288595	7.1905055	6.9915955	7.674493	7.110315
HPCAL4	4.0153935	3.981187	3.9851875	3.9528545	4.2114895	5.240428	4.1085165	4.109854	3.926926	3.892885	4.8443385	4.792012
ME3	5.424055	5.9340035	5.958543	5.291211	6.104943	5.9551645	5.9932905	6.0532495	5.8695225	6.108407	5.6175655	6.262869
ATP6V0A1	6.743393	7.243222	7.2758995	6.970925	7.0074105	7.386818	7.006638	7.022948	6.9129955	6.997718	6.9524175	6.9796315
SRF	6.793599	6.7418395	6.81861	6.974029	6.4752345	6.5695855	6.536164	6.50013	6.0997745	6.4064195	6.696478	6.3346455
AICDA	3.0859075	3.259383	3.1974555	3.226492	3.270587	3.209763	3.2522105	3.252532	3.3797295	3.186331	3.362524	3.151928
SLA	5.2552165	5.5223615	5.2128125	5.2423995	5.165685	5.1929545	5.0140775	5.196813	5.239142	5.274536	5.2794715	4.7694695
CYCS	4.391879	3.588205	4.36639	5.065918	6.769285	8.234564	7.465031	6.764943	6.378911	6.461825	7.190739	6.717967
TIMM50	7.052243	6.9918445	6.6641815	7.0831065	7.353835	7.893265	7.7134395	7.41593	7.5309195	6.9346835	7.453916	7.7256325
CHD5	4.1476725	4.133677	4.067589	4.046846	4.3603185	3.8384295	4.045503	4.5525845	4.0340085	4.059318	4.012742	3.7866625
CHUK	7.191507	6.427029	7.090658	7.826913	8.014993	8.198155	8.685924	8.053764	8.340818	7.09902	7.619722	7.051227
FOXJ3	7.356059	7.562408	7.6297935	7.221972	6.955272	7.514442	7.0414335	6.8095865	7.3073325	7.544022	7.352266	7.4355315
TCP10	5.207384	5.466981	5.461213	5.594348	5.485454	5.267739	5.53264	5.782592	5.444332	5.579296	5.406931	5.63181
WDR73	4.809435	4.668289	5.453343	4.39905	4.02967	3.964674	3.976641	4.00288	4.628726	4.674369	4.725701	5.432445
CPNE3	10.13346	10.34935	9.9952735	9.8917345	9.2076555	10.0891345	9.8047105	9.172708	9.117156	9.4024635	8.4792905	9.622679
MYO10	6.009973	5.762179	5.492752	6.902863	3.410823	4.016982	3.25384	3.479281	5.60554	3.34261	3.639181	2.99888
TLR3	3.098369	2.904216	3.632118	4.280032	5.625933	3.925404	4.737251	5.530846	8.25967	5.448452	5.550555	5.594203
FABP2	3.827341	3.92143	3.992711	3.827341	3.918687	3.826169	3.945758	3.862104	3.733068	3.90061	3.848286	3.914128
ELF4	8.039734	7.9716625	8.212921	8.0053075	7.386609	7.804129	7.8984255	7.3164445	7.7039635	7.5390675	8.0546015	6.133319
TLE3	6.7701585	7.152782	7.4070395	6.968647	6.6367475	6.926275	6.944667	6.5273335	5.073937	6.8753865	7.1613455	7.584802
SOX11	5.372532	4.464244	5.226336	4.593439	4.54575	3.563708	6.616577	4.396108	7.912034	10.28209	6.38514	9.182717
COLEC12	10.71156	10.25389	10.91402	8.822811	9.385712	8.762965	10.41198	9.288114	4.620265	9.34042	7.932956	10.14159
TECTB	5.922414	5.70645	6.0298	5.62629	5.839155	5.564019	5.445907	5.858824	5.545791	5.262871	5.728191	5.435299
EPHA8	5.576608	6.093247	5.736103	5.6426645	5.503831	5.4627835	5.5140815	5.6346505	5.706728	5.240856	5.652368	5.6688005
FARS2	7.141253	6.876515	7.228453	7.463072	6.967257	6.917554	7.070457	6.854246	6.873755	6.853598	7.383178	6.764956
PNRC1	9.824807	10.06664	10.68585	9.338551	9.858772	9.071239	9.137253	9.844967	9.754621	9.626328	9.322655	9.154184

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
PIPOX	4.328673	4.156448	4.276432	4.07826	3.929055	3.723939	4.409326	3.867966	3.910922	4.283849	4.051261	4.312298
GJB6	2.676443	2.570921	2.774588	2.941134	2.686179	2.591834	2.654332	2.644487	2.70461	2.63453	2.620684	2.44362
KLHL2	8.225946	7.761246	8.196189	8.420678	8.335017	8.28726	7.95426	8.281394	8.467801	8.073792	8.18508	8.238072
HMGCS1	5.9979295	6.3919945	6.1744525	6.4717025	8.2422535	8.511808	9.408559	7.845812	8.312002	8.106012	6.9258645	6.8497145
SEC61A2	5.407984	4.931331	5.439314	5.336272	5.24774	5.051215	5.161231	4.979936	5.647245	5.341685	5.369632	5.407681
KCNC1	3.642288	3.678152	3.478025	3.5319725	3.689575	3.788292	3.601555	3.6462165	3.7084465	3.551946	3.8090955	3.6062535
TLR4	4.7004055	4.346794	5.2649745	5.1935335	6.1077105	5.573879	4.1161115	6.0656185	7.6148185	3.506347	5.4633225	4.2187935
WDR12	5.675219	5.496891	5.829171	5.478398	6.690774	7.692369	6.653587	6.658578	7.128146	6.163814	7.510048	6.650721
FGF16	4.346358	4.75605	4.837947	4.528473	4.501577	4.238733	4.483226	4.4276	5.81376	4.201012	4.722741	4.508666
GABRG1	2.7188155	2.386884	2.5944355	2.7033535	3.200736	2.827321	2.8070205	3.16202	2.4358035	2.62949	2.50576	2.4799135
SPRN	5.855554	6.219165	5.909568	5.882432	5.80215	5.873325	5.590562	5.88985	5.835629	5.904206	6.167474	5.850735
GPR101	4.758693	4.786807	4.707014	4.819471	5.084979	4.725733	4.924321	5.278472	4.634066	4.754845	4.897228	4.546404
BRS3	3.3796345	3.571779	3.4311245	3.3862455	3.4376665	3.363426	3.395768	3.297103	3.1526145	3.2138125	3.1952425	3.124883
ATXN2	8.491734	8.356935	8.098277	8.010294	7.882834	8.32246	7.75522	7.984893	7.644421	8.129187	8.170989	7.633467
SLC13A3	5.505841	5.722786	5.307397	5.008917	4.791635	4.818151	4.671666	4.902318	4.740357	4.393398	4.663431	4.771698
RORA	5.019231	5.284769	5.4474475	4.9458455	3.7029725	4.1916175	3.6518525	3.7775505	4.4239765	4.3877395	4.7874965	4.2934145
HIST1H1D	4.850564	5.252595	4.911773	5.223899	5.137835	5.107493	5.720222	5.209879	4.909692	4.850764	5.228215	5.152803
MYH9	9.60378	10.20844	10.01635	9.308176	8.682034	8.649431	8.227386	8.86849	10.04102	8.11331	8.807086	7.632481
TTC9C	6.660885	5.912109	6.1710385	6.261363	6.1809055	5.893471	6.414306	6.094545	6.004627	6.4047635	6.4759255	6.171208
KLHL4	3.4520985	3.5382895	3.29626	3.609149	3.992172	3.5747145	3.7849055	3.7741065	6.2440405	4.0415375	3.8265615	4.258062
FOSL1	9.459233	10.2016	9.440903	9.131559	6.753789	7.464431	7.013831	6.68186	7.478839	7.010176	8.264814	7.077282
CCNI	11.09811	11.95824	11.58369	11.82426	10.45209	10.31948	10.19782	10.13532	10.31542	11.07926	10.09745	11.02301
FTO	9.564527	9.397164	9.507847	9.603386	11.56009	9.478958	10.55909	11.52959	9.326646	10.45737	9.196121	9.844313
EPHA2	6.583715	6.490912	6.364233	7.408092	5.759203	8.827779	5.709602	5.903929	8.993154	6.588601	8.322008	6.122347
RIN3	5.848148	6.658261	5.843287	6.494693	5.490114	5.639782	5.169093	5.326657	5.316227	4.643996	5.212289	4.596805
PIK3CD	6.0690385	6.4250675	6.266858	6.074944	4.8335805	5.2956995	5.104352	5.0590885	6.746916	5.0427465	5.865224	4.694311
DPPA5	3.537114	3.974212	3.597401	3.41277	3.470789	3.388075	3.142018	3.327557	3.458541	3.317895	3.321229	3.296535
TIE1	3.316851	3.435514	3.420007	3.4757175	3.5656485	3.4615455	3.3362875	3.4269665	3.375909	3.2957995	3.560309	3.4126115
LRP2	3.56372	3.729122	3.77852	3.7606795	3.6777425	3.5525455	3.5938635	3.7088075	3.497036	3.6387375	3.5442265	3.5049875
PLCE1	4.028199	4.199297	4.275127	4.12634	3.900519	3.770798	3.666387	3.765838	4.040137	4.100824	3.837227	4.127428

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
GALR2	3.368708	3.442597	3.434629	3.185595	3.40171	3.986025	3.268566	3.2152	3.407769	3.22218	3.66324	3.118937
HOXD3	3.836457	4.308173	4.559285	3.757312	4.259981	3.794549	3.676057	4.106276	3.675831	5.177778	3.683761	4.694508
SESN1	5.3467155	5.1418785	5.2470625	5.506643	7.0506025	6.477157	6.643686	7.156224	5.2765995	6.813122	6.559827	7.2809915
PAK6	4.4365965	4.483724	4.524685	4.6245695	4.685719	4.777979	4.583213	4.7148115	4.865221	4.6959235	4.6392545	4.226345
ATP10A	6.574773	6.82196	6.743381	6.624343	5.952368	6.120906	5.370492	6.243953	6.268871	5.843396	6.340834	6.146353
ILVBL	7.6403	8.068941	7.931704	7.959034	7.170126	7.731355	7.318955	6.884323	8.280462	7.872841	8.287618	7.502499
ZNF34	5.825424	5.674483	5.561615	5.62275	5.099133	4.34677	4.770057	4.846703	5.180545	5.40577	5.171548	5.054781
KIF2B	3.812247	4.21408	3.591286	3.754594	3.798393	3.527741	3.693966	4.099844	3.660389	3.764509	3.831642	3.759552
FGFR1	7.707357	8.254127	7.848166	7.062215	6.457711	7.421967	6.351956	6.302463	7.319491	6.353318	6.911814	6.357549
CP	3.428504	3.416549	3.292236	3.3324455	2.995477	3.1493235	3.2442825	3.118825	3.1515365	2.911322	3.174459	3.2002775
IL17D	4.561856	4.123027	4.253897	4.663374	6.467856	5.279996	5.524616	6.279623	5.261822	7.325653	4.816292	7.286086
TBX22	2.745648	2.364985	2.426776	2.438539	2.725495	2.494219	2.472108	2.513435	2.319996	2.576921	2.494219	2.49085
UBE3C	5.235427	4.69227	5.100248	4.661743	4.903778	4.917375	5.30143	4.960814	4.743022	5.079676	5.171548	5.374687
PIGX	6.637261	6.291686	6.270792	7.213111	6.144182	6.339847	7.516231	5.866022	6.682184	7.113761	6.29328	6.519633
SLC25A2	3.657785	3.565094	3.724413	3.950639	4.109881	3.904666	4.045293	4.324835	4.110496	4.006977	3.931581	3.838956
IGSF21	4.222499	4.594087	4.394752	4.499443	4.715914	4.905904	4.363037	4.707473	4.544259	6.049898	4.465881	5.997723
DCC	3.439721	3.242622	3.109417	3.199314	3.113096	3.303915	3.178645	2.931014	3.086738	2.930653	3.223469	3.298446
ASGR2	4.930168	5.552534	4.842974	5.162717	5.213491	4.971981	5.18408	5.263691	4.890758	4.847064	5.252103	4.768596
TNS4	5.455026	5.5999455	5.4590805	5.453871	5.5050875	5.667242	5.6443305	5.634572	5.408325	5.45209	5.8636605	5.138187
ATOH8	6.351055	5.705841	5.776801	5.780938	6.141049	5.019173	4.647409	6.280157	5.187959	4.194089	4.594598	4.275013
RAB5A	8.781086	9.074233	8.754276	8.298731	8.782179	8.960452	8.633941	8.693007	9.01701	7.561672	8.597039	7.054471
YY1	8.7762985	8.968447	9.174729	8.8818865	9.061937	9.5231925	9.1866515	8.955388	8.845491	9.0367115	9.143602	9.330736
WFDC8	4.518548	4.719015	4.456716	4.703264	4.502451	4.522885	4.523409	4.172946	4.704094	4.517621	4.51431	4.438181
SV2B	4.311392	4.665363	4.301733	4.605629	5.367362	5.391467	6.007491	5.59452	4.270509	5.523666	5.859541	5.758385
SEC23A	10.6383375	10.74745	10.574813	10.785703	10.0089955	9.9368635	10.316123	10.020561	9.6857135	8.7262045	8.808646	8.2795285
ZNF566	4.913989	4.68795	4.768744	4.516502	5.920131	6.861598	6.510253	5.514071	6.614373	6.091063	5.557854	5.677285
PASK	4.776464	4.876296	4.990125	5.466043	5.366	4.571863	6.011449	5.194428	5.28112	6.359507	5.244144	5.821813
GDPD2	5.418097	5.612566	5.357354	5.601987	5.76722	5.496228	5.910957	5.794819	5.409965	5.312771	5.554218	5.41104
LRRC46	4.3501635	4.086943	4.2571145	4.176913	4.5076335	4.2931505	4.251144	4.4432205	4.3211565	4.356842	4.325579	4.124634
KIF2C	8.6278535	8.638051	7.789471	8.2142165	7.9377895	5.0339505	8.426404	7.55135	5.543504	7.441485	6.552004	6.639842

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
RHBG	6.068964	5.941364	6.052645	5.796841	5.928762	5.972985	5.826449	5.947699	5.946415	6.070493	6.167356	6.183544
TMEM101	5.9070635	5.8171455	5.3554695	5.8690755	5.9570535	5.7991905	6.2198815	5.9786405	5.7637535	6.1897505	6.4807305	6.243092
CCDC62	5.06706	5.24774	5.348813	5.018657	5.036525	4.923634	5.202848	5.073417	5.230116	4.923634	5.353299	5.190705
BUB1B	9.186859	8.848579	8.246293	8.885543	9.443783	5.632378	9.937005	8.976325	6.269166	9.048058	7.374761	8.719482
NFE2L1	10.07254	9.758802	10.0239	10.11874	10.21562	10.00692	9.919211	10.24373	10.79242	10.63972	10.70641	10.45774
NTAN1	9.564873	9.4952615	9.463681	9.5126	8.981131	8.03543	8.6457635	8.8510245	8.6265445	8.470693	8.458813	8.157159
ARL15	5.242622	5.4825345	5.2667575	5.9088925	8.4827985	10.194595	7.619653	8.7713255	6.9953295	7.1060165	8.1481185	7.6425525
TMEM39A	7.49086	6.5785975	6.873772	6.630995	5.9054405	6.4165275	6.061867	5.922205	6.5033435	6.8333585	6.257589	6.8211055
NXPH4	5.816941	6.077818	5.704848	5.488732	5.21597	5.107493	5.054375	5.237121	5.628493	5.66742	5.324461	4.985972
CDV3	8.41427	8.785387	8.589859	7.865952	8.149576	9.482712	8.862439	8.193113	9.26967	8.061906	9.273371	8.191823
ACTL8	5.630685	5.39843	5.404851	5.389792	6.110195	11.15291	8.486971	6.258158	5.081982	5.073412	9.386202	5.694382
HORMAD2	4.4566635	4.583235	4.527318	4.628998	4.7389155	4.607355	4.5417715	4.716769	4.7278015	4.4398605	4.517868	4.202198
GUCY2C	3.366343	3.062873	2.992031	3.273047	3.345953	3.426204	3.079719	3.3253	3.373003	3.142971	3.731128	2.996927
WDR34	7.96378	8.028203	7.93302	8.169412	7.929446	6.350301	7.995131	7.663189	7.171164	7.728486	7.546585	7.651124
ATP7A	6.4530835	6.029534	6.036316	6.064433	6.5419585	7.0013015	7.5847045	6.551763	7.1229105	8.408183	6.313132	7.133129
ZNF563	4.403213	4.241639	4.221294	4.136759	4.114055	3.81496	4.114353	4.020258	4.155199	4.628234	4.118316	4.554024
GRIN3B	5.315889	5.584376	5.373845	5.4045	5.355835	5.187278	5.457826	5.43085	5.149895	5.068104	5.384882	4.955168
SCARB2	9.776841	9.864995	9.437975	8.893834	9.16953	9.895755	9.340595	9.0637345	9.998962	8.088225	9.8963125	7.774055
PDE8B	3.181996	3.313362	3.553824	3.518604	7.38009	7.80413	6.461818	7.628887	3.068394	4.638095	7.078824	4.99067
KIR2DL3	4.848269	4.920868	4.688119	4.988995	5.326682	4.789156	5.247337	5.337365	4.953352	4.780152	5.225908	4.738616
LIPT1	6.743281	6.531343	7.036522	6.716684	7.336862	7.802299	7.151527	7.300965	7.720724	7.93798	7.537441	7.938559
THBS2	10.6521	10.89405	10.48331	10.77507	5.740403	8.130289	8.746672	5.888277	13.28226	9.174837	6.533008	7.645037
WAS	5.20304	5.522304	5.2606165	5.2764395	5.3260575	5.4425025	5.0714195	5.40898	5.3508785	5.4095955	5.3304505	5.238074
APBB2	6.248609	6.726876	7.071526	6.617383	6.850204	6.513058	6.548748	6.831991	7.521262	6.73659	7.277026	7.236273
CRLF3	8.745092	8.772865	8.92584	8.652284	8.937155	9.002171	9.14678	8.794302	8.3529	9.034865	8.69137	9.305634
TEPP	4.240777	4.525893	3.999969	3.892295	3.866805	3.564101	3.795185	3.945221	4.298274	3.538143	3.805283	3.606325
RCN1	11.12555	11.38415	11.37931	12.03633	10.7239	11.48474	11.49552	10.70893	11.75716	12.21138	11.39342	11.81909
OR51E2	3.809205	3.753519	4.112061	3.935464	6.863301	7.473621	5.239825	6.901654	3.992371	4.4618	5.734717	5.110913
FEN1	8.580839	8.6780845	8.44169	8.995023	9.0993165	7.3579895	10.041404	8.7213525	8.709192	8.138253	8.166027	7.727831
PDCD1LG2	8.161063	7.807522	7.863411	6.790147	4.676389	5.0955575	4.6444515	4.7403715	7.894427	4.301389	6.4723035	4.0350775

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
RASGEF1C	4.578521	4.446648	4.375499	4.538232	4.589254	4.385038	4.404193	4.601309	4.59202	4.375801	4.520777	4.357916
PLCB1	5.35266	5.988681	5.493998	5.351058	5.33458	5.384541	5.741474	5.486429	5.17012	4.926681	5.500215	4.897476
CTBS	8.3433475	8.327858	8.0421545	8.2733465	6.4477335	7.2507545	6.671624	6.6476675	7.9338725	6.6643515	7.425252	6.960902
SNX9	10.75042	10.479015	10.710065	9.69656	9.088915	8.1773325	7.7308315	8.87306	8.552075	7.522251	8.6621265	7.6981885
CCDC91	6.1573705	5.3604975	6.0867435	5.6715295	5.582158	5.487668	5.67173	5.7721915	6.1135775	6.028429	5.7246285	6.802047
BACE2	7.949343	8.354848	8.695923	8.010294	5.870667	4.725225	8.443978	6.153126	8.46182	9.680765	8.581557	8.940936
CEL	3.5141925	3.9989655	3.7170565	3.6248745	4.105163	5.07328	4.024543	4.14728	3.822326	3.9599345	3.8752425	4.009501
MRPL51	11.45033	11.21708	10.87837	11.52553	11.76389	11.42449	11.61652	11.85103	11.08593	11.15489	11.47497	11.16135
CPSF6	6.336852	6.489202	6.759571	6.402903	7.521038	7.178248	8.451553	7.427726	7.020219	9.085545	7.56179	9.019966
GZMH	4.018205	4.08742	4.07641	3.985696	4.043771	4.156951	3.902921	4.137058	3.923434	3.928541	4.062969	3.873289
NELL2	4.457778	4.303164	3.96836	4.210675	4.71907	4.001953	4.16769	4.139477	4.538092	8.096504	4.421934	4.141532
NUP35	8.285354	7.912389	8.042975	8.430799	8.806801	9.262277	9.640696	8.686748	9.292752	8.418118	8.857851	8.381953
SF3B5	11.02381	10.88849	10.6689	10.99416	11.1658	11.73737	11.19987	11.17434	10.46507	10.31737	11.34125	10.2126
VWF	4.8348435	5.3098705	4.983641	4.9795755	5.246309	5.1381625	4.989727	5.1004675	5.2569505	4.7236435	5.249515	4.7942775
EPHX2	4.797161	5.880602	5.221825	4.94301	5.928868	5.658233	5.000153	6.068102	5.057068	4.417341	5.203424	4.379196
BOLA1	6.698065	6.790793	6.384824	6.539814	6.545605	6.73865	7.050753	6.273015	6.627043	6.652994	7.372579	6.398576
CCNK	7.1069425	7.305742	7.1068175	7.160644	7.1801815	7.7993485	7.335249	7.028727	7.1336095	7.030841	7.70155	7.357464
COQ9	7.3913475	7.2072115	7.3640715	7.0344635	7.536908	7.5955065	7.597352	7.518604	7.092269	7.596591	7.732228	7.446058
NAP1L4	5.876566	5.922446	6.176584	5.866508	6.663978	5.736702	7.079476	6.489909	5.943169	7.22684	6.481746	6.704467
PHC2	7.691404	7.638698	7.858873	7.7166435	7.16275	7.14259	7.08225	7.038103	7.3275015	7.1993265	7.4293125	7.00943
CLDN1	3.8379285	3.9170725	3.947572	4.1165415	4.2181635	7.5909475	3.9039045	4.110227	11.29866	4.3025085	5.441459	3.972796
REPS1	4.53985	3.946457	4.225119	4.047253	3.84963	3.779765	4.237045	3.776501	3.879502	5.701291	4.193013	5.842636
KRTAP5-9	5.094994	5.30604	4.960547	5.452518	5.450892	5.219954	5.547305	5.363855	5.363855	5.311651	5.35535	4.998892
LOC399900	3.9036645	4.067512	4.0629085	3.9647805	4.0514255	3.8870455	3.5715195	4.014527	3.7140255	3.600581	4.151551	3.664433
CANX	9.978329	10.52407	10.02701	9.782839	10.96692	10.42231	10.86894	10.94252	9.28739	9.959555	10.04513	9.301846
GMFB	10.4026435	9.7838515	10.1411515	10.180155	10.263855	9.405368	10.124522	10.2364205	10.013373	9.149958	8.0316985	9.0144475
C3	7.362656	6.721852	6.788468	6.049062	6.120142	6.023509	5.599001	6.062754	9.926965	9.729496	9.652072	8.24649
GNG5	11.86758	12.05077	11.77273	11.79995	11.45398	11.76001	11.26534	11.28286	11.9314	11.46392	11.76595	11.19386
RAD1	8.106428	7.844328	8.620265	8.384674	8.212976	8.046326	8.436195	8.021929	8.3314	7.038986	8.192985	7.013394
DDX49	6.185436	6.337014	6.373257	7.112872	8.325933	9.036267	8.729682	8.167764	7.76594	7.845955	9.095078	8.083415

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
GPX7	8.448984	8.467748	8.672955	7.419214	8.096902	6.287257	7.447431	7.834144	7.792272	6.87013	7.465676	7.830115
CTRB2	5.831822	6.167076	5.781711	5.99759	5.789459	5.768959	5.724301	5.804261	5.938487	5.583837	5.907931	5.26825
SLC1A6	3.008044	2.793197	2.828973	2.840868	2.909047	2.52325	2.591386	2.637118	2.66352	2.945242	2.643436	2.698749
PTN	5.031427	4.829488	5.7312845	6.3189535	4.2203125	4.0188025	3.9720005	4.099605	6.6022165	3.9154225	4.069834	3.8980655
NPC1L1	4.175284	4.943615	4.484829	4.143486	4.162653	4.36639	4.264874	4.216431	4.083954	4.327805	4.131047	3.99142
ERN1	5.538425	5.64494	5.535164	5.659816	5.340373	5.3424535	5.5181555	5.485516	5.949023	5.0578325	5.6283255	5.0175385
GSTA3	4.208191	4.461993	4.263391	4.549728	4.166582	4.006525	3.862523	4.052209	4.403327	3.900528	4.352336	3.945911
MRPS17	8.269515	8.175529	8.46345	8.512099	9.285202	10.05836	9.833529	9.167626	8.80216	8.618731	9.92007	8.550035
POLE2	8.029392	7.730892	7.40135	7.716449	7.113365	4.372852	8.239609	6.79417	6.970048	7.078871	4.572792	6.66952
HAGH	7.561481	7.563043	7.704931	7.591629	8.188603	7.884862	7.909136	8.24851	8.217957	7.896851	8.203594	8.094956
FTSJ3	8.483753	7.690684	8.372542	8.428535	9.010008	9.119669	9.100662	8.897861	8.548909	8.454089	9.188331	8.408636
CSN3	3.79233	3.616004	3.160582	3.518456	3.730121	3.096264	3.205991	3.41731	3.035645	3.190218	3.381429	3.722083
DEFB108B	2.524366	2.55856	2.845115	2.498842	2.523786	2.524068	2.452663	2.569058	2.524857	2.380581	2.651862	2.49394
NFAM1	5.353516	5.545791	5.3435855	5.2133285	5.18208	5.096597	5.099847	5.3944525	5.094457	5.0598705	5.274264	5.0260235
ST18	2.999527	2.888722	2.995598	3.23525	3.117972	2.931156	3.05178	2.84349	2.886287	3.099633	3.19957	2.997521
NUP98	8.213775	7.801975	8.153824	7.724149	7.994566	8.362113	8.052653	7.760441	7.579943	7.568472	7.456215	7.514007
SSBP1	6.436492	5.794417	5.866261	5.319809	6.216084	5.598043	5.86282	6.163545	6.524133	6.54895	6.433109	6.45326
S100A4	12.51347	12.23788	12.0317	12.72491	11.9811	13.61846	12.33434	11.94725	7.333306	7.244402	12.36993	9.631571
FASN	6.3432895	6.714781	6.5367135	6.1670085	6.629455	7.040669	7.0205395	6.645211	5.923381	6.408522	6.1467855	6.4149215
SLC12A1	3.2019715	3.145967	3.090025	3.0674105	3.00267	2.995922	2.8584465	2.9777835	3.0747875	3.1323205	3.0180065	3.0544235
FSCN1	9.387047	10.382595	8.5745355	9.367432	8.529784	9.0469025	8.827009	8.1728995	7.4478345	8.2171135	8.456482	8.159457
TRPC4	7.0246805	6.323461	6.3840085	6.6120485	3.467873	3.5021885	3.513563	3.6242245	4.760875	3.3462405	3.2955965	3.0516705
EHMT2	6.255704	6.752424	6.458246	6.215934	6.488118	6.003355	6.359049	6.357974	6.084161	6.342464	6.239329	6.167475
MYPN	5.342331	5.422516	5.919472	6.551524	4.764668	4.90573	4.921186	4.740402	4.704427	4.485172	4.863603	4.455338
ZAR1	3.6815795	4.086548	4.0016285	4.015793	4.452325	4.021134	4.0647285	4.320603	3.72922	3.4846815	4.061807	3.557657
ENO1	10.065698	9.839635	9.7035265	9.910266	10.047133	10.132548	10.1465025	10.4438505	10.383489	9.546707	10.474058	8.91638
COMMD10	5.9333085	5.943843	5.8301275	5.790815	5.982574	5.8691105	5.924247	5.956802	5.8992145	5.7262895	5.781009	5.578913
CYP2D6	5.530497	5.796659	5.731047	6.151779	5.257909	5.251824	5.356343	5.346577	5.599961	5.425727	5.816535	5.558174
RPS27L	8.810582	8.531041	7.233401	9.905478	8.99152	9.391441	8.829821	9.832716	9.156904	9.550842	10.15448	10.11213
PUM2	9.181965	8.835609	9.373684	9.097765	9.074872	9.313631	9.20942	9.097396	9.694839	9.468818	9.227098	9.370349

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
UBE2F	8.301534	7.6776175	8.383508	8.8052925	9.002514	8.845817	8.91498	9.151815	8.3943195	7.9648045	8.8943175	7.842052
DERL1	9.207003	9.1049375	9.564625	9.667871	8.709873	9.507527	8.8996605	8.6040295	9.1783585	8.2006835	9.243583	7.6995755
ITPKA	4.179627	5.12379	4.56725	4.775228	4.592344	4.862604	4.669161	4.233636	4.50325	4.281119	5.285892	3.85602
CLTB	7.301802	7.191865	7.491055	8.002301	8.715591	9.812371	8.779987	8.798387	7.579944	8.021107	8.83625	7.937134
RAB11FIP3	5.947916	5.772455	5.884138	6.045001	5.550173	5.370631	5.701227	5.603652	5.841927	7.267603	6.133341	7.035655
FNDC5	4.862604	4.891903	4.634906	5.121747	5.342703	5.352878	5.180933	5.42803	5.019164	5.614246	5.04074	5.259543
CEBPE	4.832461	5.631809	4.94861	4.802144	4.803636	4.906712	4.489065	4.925156	4.629167	4.828889	4.902031	4.620509
CPA1	2.577716	3.0788	2.723981	3.112469	2.729682	2.735924	2.372908	2.701233	2.591834	2.409737	2.789926	2.727209
CEP152	4.187794	4.187196	3.868464	4.134456	3.801919	3.898382	4.15305	4.153102	4.009327	4.904667	4.051261	5.19241
LRP1B	2.258031	2.269493	2.51296	2.494503	2.412404	2.237514	2.348404	2.184153	2.308895	2.192505	2.273723	2.386553
CD47	7.414825	7.480174	7.041656	7.557915	7.180896	7.575974	7.132774	6.911008	7.520141	7.741112	7.696651	8.814555
LRRC8E	4.9704195	5.520209	5.2261115	5.208442	4.5599905	6.3743315	4.2099235	4.5947625	5.5461395	3.6042075	3.952233	3.536198
THEM5	3.019291	3.043187	2.894634	3.003442	2.935139	3.200125	3.119727	2.83059	2.899119	2.921187	2.887911	2.929511
HAGHL	6.661834	7.242861	6.646786	6.748191	7.014961	7.086474	7.243402	7.072818	7.26101	7.250297	7.345924	6.953238
SUMO3	9.973445	10.338535	9.7665575	10.1804605	9.329098	8.9989885	9.4577575	9.172463	9.5236185	8.9013545	9.4076325	8.56177
KRTAP13-1	5.352079	5.4818	5.235628	5.602008	5.46582	5.042356	5.317863	5.462255	5.17633	4.854317	5.1519	5.281112
TTLL9	5.179278	5.44215	5.428278	4.947471	4.652114	4.539475	4.940689	4.738811	4.569832	4.811213	4.714806	4.574894
TMOD2	5.5473205	4.532511	4.7112315	4.968775	3.227357	3.165237	2.8096835	3.2024005	4.155726	3.476324	3.117069	3.1273405
TGM3	4.085001	4.592808	4.52036	4.42341	4.425206	4.32751	4.114353	4.484424	4.066428	3.87871	4.015463	3.896281
YWHAG	11.28216	11.33442	11.53623	11.38476	11.96821	12.14221	12.07258	12.00721	12.14239	11.87644	12.07871	11.7803
SLC22A14	6.334182	6.812263	6.490386	6.424425	6.396418	6.429853	6.281905	6.450834	6.434499	6.050461	6.637165	6.408489
DAPK1	3.7832505	3.497193	3.7841345	3.868802	6.9575535	7.6396155	8.195357	6.9458085	7.475544	7.903996	6.3699835	7.850253
RPS6KA2	7.662963	8.447427	7.979235	8.655775	5.631809	5.894327	6.014813	5.249754	7.08926	6.741736	6.296785	7.262093
OR7E91P	5.225917	5.445967	5.29429	5.281604	5.26546	4.995056	5.119795	5.418784	5.431578	5.654134	5.081396	5.420796
ELOVL7	3.076653	2.898558	3.260137	2.863136	3.337605	2.823266	2.967276	3.398166	6.545279	3.093601	3.950562	2.819977
RAD54L	6.717673	6.562577	6.584538	6.865623	6.66865	5.967703	7.290729	6.48737	5.684618	6.830411	5.836876	6.519633
PLAC8	3.48462	3.75334	3.999733	4.459979	5.615067	5.980566	6.640279	5.767761	4.174919	3.900579	5.900571	4.727509
PROK1	4.367921	4.642427	4.288007	4.4798	4.217499	4.322895	4.291537	4.449927	4.373147	4.042953	4.3373	4.069106
TBPL1	8.797997	8.426709	8.751202	8.833375	9.03802	8.992559	9.101349	8.984631	8.470024	9.750687	9.235514	9.090246
IQCG	5.430723	5.518271	5.942787	5.561778	4.868793	5.231726	4.868192	5.168739	5.510861	5.043497	5.374892	5.191297

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
OR10A5	3.250252	3.781822	3.602981	3.570101	3.844089	3.483601	3.693707	3.756896	3.345436	3.177403	3.414299	3.418873
GPC6	7.7775515	8.3755825	8.1905555	8.356888	8.556532	5.0602595	4.778541	8.3270765	6.5863435	5.3551845	7.0395105	5.880315
PCCB	6.6619625	6.6754875	6.829253	6.8102645	7.302448	7.5606695	7.091417	7.3746785	6.715364	7.1220885	7.2661115	7.334595
FGF4	4.5223015	4.695004	4.410481	4.6357305	4.576311	4.6064655	4.6387355	4.513208	4.6597845	4.5289685	4.4921185	4.326885
DHRS9	3.626946	4.044038	3.924564	3.639393	3.710619	3.962578	3.488743	3.830866	3.558146	3.374627	3.759796	3.60876
OAS3	5.718545	5.1799615	5.989107	6.0731195	6.6235815	5.044498	6.955674	6.4346615	8.0919285	6.3712845	7.721524	6.574701
ZFHX4	6.544093	6.65392	6.951504	7.135786	7.555207	6.130439	6.891575	7.474389	6.813814	6.984891	5.505063	6.380824
COL7A1	6.3602815	6.715113	6.918289	5.827076	8.3630245	7.189212	7.5174595	8.5036895	9.0813515	6.756732	8.8303435	6.687533
SLC35B3	7.6474375	7.2247425	7.535005	7.467426	7.2803135	7.754522	7.739465	7.4717515	7.802099	7.510522	7.805834	7.562257
PAQR7	5.427599	5.667344	6.186226	6.349595	6.16012	6.682636	5.929278	6.117206	6.751651	6.508875	6.294675	6.594241
MANEA	6.493137	6.4470155	6.1840845	5.5871745	5.9396265	5.69588	6.0759635	5.924378	6.8539365	5.087963	4.9536975	4.7782
SUCLA2	9.97625	9.670676	9.567922	9.842219	10.29657	10.30057	10.72458	10.39488	9.180548	9.620537	9.370962	9.818837
LCTL	2.81248	2.663069	2.965515	2.568663	2.554403	2.573816	2.405226	2.412926	2.693487	2.431413	2.455272	2.581103
KCNJ16	2.775621	2.883791	2.956779	2.79015	2.7155425	2.763983	2.6908105	2.7424	2.833941	2.5998325	2.812773	2.7696785
GP6	3.652317	3.764946	3.858304	3.98924	3.842337	3.443602	3.636105	3.753352	3.630558	3.845151	3.668427	4.687919
RLBP1	5.099545	5.056623	4.947886	4.901422	5.205464	5.02715	5.012638	5.029682	5.336152	4.604759	5.27136	4.600236
OBP2A	5.922041	6.114599	6.088405	6.021917	6.119414	5.903531	6.025507	6.20035	6.149668	5.920633	6.519633	6.015593
DDX46	8.370368	7.7231705	7.841497	8.195151	8.635689	8.315818	9.066688	8.6248415	8.607639	8.242743	7.2861265	8.2241225
TP53I11	5.444633	6.45583	6.303607	6.190151	5.128161	5.02847	4.899159	5.158881	5.428514	4.910285	5.175205	4.936643
SLC15A2	3.319419	3.301157	3.135846	3.26809	3.601663	4.183157	3.70737	3.793725	3.330901	3.927621	3.670298	4.235023
PPCS	8.217957	8.369003	8.607167	8.524244	8.654423	8.192147	8.400813	8.640504	8.610716	8.502482	9.17647	8.178339
CTRL	3.99287	3.981546	4.021288	3.973606	4.249805	4.232832	4.760017	4.002005	4.232555	3.978795	3.954282	3.837596
EGR1	9.005485	10.13987	8.715829	9.737022	8.152864	6.431845	7.442559	8.015722	9.985399	9.721399	9.724653	8.53066
POU6F1	4.654523	5.2573375	5.1691435	4.976734	5.153392	4.8101565	4.8600765	5.174839	4.6579765	5.212205	5.1208225	4.865617
ANKRD49	8.159842	8.122107	8.053861	7.933662	8.330985	7.603548	8.620829	8.364656	7.992937	8.067019	8.043223	7.912218
CRTAM	2.658355	2.879456	2.558038	2.719168	2.464614	2.804862	2.704544	2.61437	2.915029	2.704544	2.623308	2.433593
ADAM11	4.6719255	4.6107445	4.5291115	4.9058855	4.7460005	4.6425675	4.9397155	4.7308285	4.7024425	4.5608965	4.711056	4.6994045
OSTM1	6.191505	4.9414685	5.858565	6.4455795	8.606635	8.92404	8.6705395	8.6878165	8.117483	8.787743	7.683581	8.8005545
SLC30A1	6.723453	6.799684	8.062755	6.339097	7.730215	8.624211	8.197855	7.729474	9.144289	6.041595	8.617488	6.064362
SLC1A4	5.983956	6.465145	7.633031	6.88089	5.98176	5.496301	4.720699	5.946414	8.408926	7.400878	7.816747	6.751495

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
DDX19A	7.544677	7.637175	7.851655	8.121105	8.233372	9.304694	8.593087	8.246697	8.279609	8.133774	8.465969	8.185114
PIK3CG	2.889025	2.925761	2.797859	2.87126	3.180375	2.842961	3.053768	3.279838	3.038142	2.973106	2.934618	3.137481
TTK	8.2062	8.073248	7.361942	8.398354	7.822729	4.298653	8.921194	7.43879	5.583758	7.506117	5.116955	7.270585
COPB2	7.3214265	6.9380825	7.0149725	7.051995	6.701996	6.6571925	6.722902	6.9992995	6.4399565	6.3960585	6.5810395	6.2889525
HTATIP2	6.238183	6.034313	6.590913	6.97012	7.5954365	6.9756855	7.3652815	7.666156	7.0154765	5.506205	6.128818	5.594267
DMGDH	2.657845	2.927353	3.003221	2.984561	3.070107	3.074964	3.038498	3.072236	4.075485	3.093203	3.48462	3.041226
ZNF513	6.831611	6.905149	6.653535	6.331455	7.018686	6.032698	6.917644	6.992654	6.680427	7.124563	6.840458	7.151465
HYAL2	7.732039	7.639987	7.613767	7.866411	8.011243	8.664852	8.268074	7.870027	7.895939	8.128181	8.009191	7.835523
GRK4	3.629068	4.035898	4.0402835	3.947112	4.20992	4.8521265	3.849297	4.2074025	3.9560615	4.366309	4.6983855	4.269914
UBE2Q1	5.308446	5.885483	5.94386	6.080369	6.31267	7.700032	6.069269	6.108862	6.758947	6.034132	6.833267	5.984889
TFCP2L1	4.634066	4.47117	4.624828	4.864653	4.870794	4.478444	4.932879	4.941754	4.870794	4.860107	5.016466	4.745893
SLC41A1	8.30378	8.207675	8.432401	8.08441	8.308798	8.490387	7.912245	8.453956	8.37443	8.331182	8.894337	8.340048
POLR3C	8.052017	7.8736985	8.2187715	8.2293305	7.9871235	7.956599	8.125532	7.935538	8.0584605	7.4633285	8.686816	7.4289545
APOA1	4.360245	4.864007	4.501987	4.1964005	4.653268	4.3604835	4.5455375	4.414579	4.5242555	4.4643505	4.6179705	4.245635
ART4	3.303119	3.159289	3.3867865	3.049216	3.14581	3.1313215	3.1031315	3.1251505	3.043708	2.866435	3.056208	3.0803015
GHR	5.937588	4.493185	4.554324	5.429897	4.306871	6.604342	3.635585	4.369377	5.725358	6.019891	5.356112	6.554173
CPE	9.1598545	9.469883	10.3912245	8.0852795	11.842985	11.169675	11.068295	11.873095	10.56442	10.89568	10.998515	10.92413
BTBD10	8.656814	8.031684	8.471646	8.606449	8.120237	8.718646	7.882737	8.334139	9.146231	8.380628	8.770344	8.30654
KCNA10	4.791564	4.870163	4.774383	4.581738	4.842522	5.10323	4.866118	5.119875	5.063015	5.033183	4.880894	4.898707
PRB1	6.702747	7.169441	6.694863	6.366341	6.134399	6.318539	5.997127	6.225265	6.627619	6.811759	6.698969	8.235118
ABCB4	3.8110085	3.977669	4.171861	3.707444	3.9841	3.5015145	3.815738	3.906133	4.814672	5.3886845	3.856119	5.349969
EDA2R	6.103433	6.409041	5.992079	6.204244	6.901931	7.303019	6.519357	6.862539	6.681822	5.604821	6.845006	5.872429
DDX23	8.4359655	7.9524315	8.1695675	8.05584	7.779491	7.698377	7.753769	8.0611795	7.754285	7.838318	8.1959085	7.684385
GPR3	4.802313	5.210745	4.610272	4.831227	4.401021	4.248391	4.467808	4.343334	4.271626	4.538935	4.567243	4.740997
CPSF4	8.502934	8.28683	8.398054	8.5063	8.574115	8.585786	8.822865	8.513988	8.933566	8.970586	8.721085	8.913129
NGFR	3.941684	4.279223	4.625487	4.522637	4.577483	6.130666	4.160895	4.056377	4.178499	6.084302	4.821447	5.903011
HAVCR1	3.056248	2.833069	2.598548	3.363513	3.000257	2.839906	3.017642	3.219399	2.976944	2.620268	2.682695	2.793659
CNOT8	9.108721	8.965368	8.950495	9.39884	9.118561	8.727353	9.278226	9.180243	8.908771	8.431623	9.019615	8.029745
AMOTL2	10.69619	10.83246	10.72289	10.66457	8.49684	9.724738	8.253812	8.825462	10.096	7.811653	10.02765	7.837657
DNAJC5G	5.37202	5.11866	5.154132	5.520718	5.550194	5.321969	5.361399	5.547977	5.295794	4.986727	5.665357	5.030556

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
TPH2	2.695708	2.529296	2.597423	2.584956	2.688981	2.272152	2.341412	2.722259	2.61967	2.664779	2.486726	2.277058
DNAJA3	9.2355935	8.912415	8.9730655	9.026273	9.2029865	9.858556	9.755554	9.258264	8.9847305	9.2774545	10.3236145	9.4202765
HMX2	3.207274	3.298391	3.341849	3.241952	3.676058	3.387181	3.723058	3.651084	3.296976	3.433931	3.590732	3.556535
PSPH	5.512887	6.927768	7.153668	8.20113	7.568589	9.365494	7.662034	7.589571	9.495278	6.509112	9.279584	8.372351
BTNL8	3.916679	4.382619	3.716953	3.99611	3.661682	3.278613	3.829608	3.826423	3.560189	3.577729	3.657059	3.555295
DES	4.200537	4.290893	4.226283	4.4377375	4.346857	4.5300925	4.3087845	4.29702	4.40527	4.1061185	4.2782765	4.1708435
CDADC1	6.3646465	6.002317	5.9546145	6.4151595	6.235539	6.473491	6.4578385	6.169922	6.1186275	5.867087	6.553383	5.276746
OR10A3	3.36252	3.205775	3.2653505	3.490304	3.537935	3.5231625	3.2660345	3.5173635	3.5235755	3.30111	3.579786	3.187402
NT5C	6.5573895	6.7365775	6.4653185	6.594515	6.9176985	6.4833035	7.393615	6.9151755	6.5780195	6.989493	7.3783655	6.859996
NPHP3	8.028365	7.664174	8.159084	7.502019	7.117213	6.174991	7.814886	6.962267	7.677537	7.985295	6.811433	8.365282
EVPL	4.670455	4.791618	4.679473	4.464082	4.81808	4.747823	4.614678	4.740408	4.592162	4.444996	4.78805	4.257526
LCOR	6.447772	6.088636	6.980258	6.504286	6.736809	7.388972	7.169681	6.593166	6.763018	7.230156	6.664497	7.102056
ADAMTS19	2.9585425	3.24951	3.5093525	3.3422935	3.620991	3.233108	4.114194	3.5987095	3.189934	6.176699	3.234937	4.708736
SLCO1B1	3.97034	4.312258	4.374738	4.140784	4.492398	4.220945	4.490123	4.191012	4.277483	4.205139	4.309645	4.615026
TOMM20	10.36721	10.62878	10.48122	10.52523	11.3404	11.1707	11.21239	11.29064	10.21965	10.72095	11.09077	10.78756
RIT1	7.571837	5.616843	6.350965	6.280272	6.366638	5.93625	5.674394	6.535867	7.618385	5.877835	5.558631	5.480846
TNFRSF14	5.695826	5.284027	5.299418	5.631809	5.501933	4.768291	5.494148	5.887024	7.436207	5.106256	6.097492	5.334774
FEV	4.526949	4.519853	4.718828	4.661927	4.499792	4.376892	4.578159	4.578159	4.153231	4.112738	4.567637	4.109293
MCCC1	6.388883	6.484063	6.3915685	6.3604945	6.8599495	7.038452	6.719281	7.1990845	6.4716175	6.772647	7.1788085	6.8452275
PPEF1	2.667864	2.924378	3.095608	3.043942	2.846652	2.939761	2.455126	3.25211	2.972929	2.908477	2.881967	2.602506
PRDM2	6.14224	5.884067	6.320024	5.768187	6.582707	5.725942	6.207226	6.582707	5.759023	7.370942	6.320024	7.196505
ZDHHC6	9.464271	8.951423	9.229944	9.220939	9.113549	7.722238	9.468285	8.990317	9.138966	9.395185	9.287711	9.385216
NCK1	7.0977295	6.867549	7.133546	6.9275045	7.3574505	7.8050625	7.4942635	7.292574	7.710759	6.963153	7.2737085	6.8373305
SSPN	6.6365735	7.551213	7.38518	6.765209	7.594276	8.0603135	5.1388965	7.409378	8.631496	5.7595875	5.3907685	6.544405
CUZD1	4.460722	4.327239	4.906908	4.755541	5.641091	4.534566	6.617215	5.432531	5.110132	6.255238	5.549397	6.029029
POGK	5.728236	4.926432	4.876326	4.732828	6.916324	6.893983	7.823323	6.864388	7.101537	8.027412	7.217381	7.791705
RBM28	8.57029	8.094732	8.699571	8.626772	9.10457	9.308719	9.400503	8.978673	8.555129	8.924939	9.031125	9.256349
HLA-DOA	4.979603	5.391602	5.010076	5.216789	5.152303	5.287038	5.175459	5.279425	5.033267	5.015173	5.244822	5.408521
NPNT	3.0215535	2.991393	3.084123	3.205936	3.145834	3.0459975	6.7915815	3.1421045	3.227387	5.624146	2.976399	6.8406405
DTWD2	6.316813	6.659354	6.626328	6.469213	6.832646	6.911369	6.860606	7.10353	6.86089	6.356739	6.78669	6.872629

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
RANGAP1	7.882411	7.783616	7.420671	8.112328	8.349035	8.423534	8.32613	8.381318	8.228683	7.079243	7.783549	6.708106
SLC22A5	4.066061	4.2795815	4.6417415	4.343594	4.2886325	6.16584	4.190953	4.284821	5.7379275	5.1663335	5.3449195	3.768586
ZNF503	4.8102585	5.329247	4.702531	4.468639	4.412062	4.750056	4.1359995	4.435686	4.349253	4.0112335	4.484553	4.1571515
STAM2	7.332048	7.141837	7.279959	7.120171	7.122388	6.572874	7.048031	7.322309	6.908141	5.982531	6.480011	5.801274
XPR1	5.620481	4.649117	5.94835	5.731484	6.283237	6.295866	7.424271	5.949721	6.438821	7.15469	5.501902	7.826669
RDH13	5.489325	5.54863	5.8076455	5.7142995	5.9522185	7.4079685	6.673994	5.835779	6.396074	6.256935	7.0512895	6.576192
PCBP2	7.487702	6.9778235	7.154239	6.9372175	6.967218	6.5585635	7.230454	6.8859745	6.5016975	6.917707	6.137215	7.3238205
FBXL7	8.176082	8.580034	8.647349	8.216294	7.862831	5.919113	7.921449	7.480825	8.537148	8.332408	7.810572	7.94605
STAT6	8.6444285	8.8830655	8.83534	8.4998745	7.9561	8.0434725	7.9710625	7.8877705	8.083869	7.6438005	8.093498	7.5233735
CDH2	9.3808	9.5984475	9.3925515	9.4943275	5.8494165	5.19383	7.252916	6.375605	10.283364	8.1739895	5.5584325	7.782096
TRPC2	4.156888	4.415569	4.421634	4.464622	4.455338	4.471171	4.191576	4.544781	4.306304	4.806533	4.788926	4.535336
PLEKHA3	7.673536	7.130717	7.1247	7.214565	7.975323	7.881876	7.835177	8.000946	7.942269	5.770031	7.902245	5.704021
AATF	8.522677	8.549143	8.656279	8.737631	8.667906	9.445333	9.032045	8.617161	8.579802	9.353771	9.692505	9.285136
TPRKB	9.241939	9.157845	8.911223	9.321323	9.509615	9.219431	9.755444	9.404568	9.169083	9.017717	9.194757	9.0589
FKBP8	6.781357	8.110265	6.577854	7.014949	5.95045	5.953151	6.034464	5.848365	5.64796	5.617614	5.652093	5.803648
ENPP3	3.254992	3.122019	3.121456	3.153721	2.926484	2.920152	2.710216	2.805947	2.821223	2.795346	2.977444	2.842268
LSM14A	9.455062	9.559612	9.524905	9.378567	9.259426	8.90511	9.266787	9.139158	9.494688	9.567034	9.330965	9.643648
PLEKHH3	4.8090415	5.3433555	4.8568195	4.765182	5.183455	4.762285	4.8770925	5.249453	5.393078	5.3336685	5.0499245	4.983203
GPRC5D	5.544686	5.613431	5.700045	5.788127	5.81118	5.799471	5.65927	5.85177	5.466599	5.347929	5.905093	5.153631
HMGCL	8.984967	9.153546	9.158523	9.074461	8.731689	8.603828	8.188626	8.77231	8.770318	8.656022	9.496312	8.598715
ODC1	10.63164	10.10864	10.6003	10.75849	10.56685	11.78569	11.2911	10.38802	10.56419	11.62791	11.94228	11.44552
NINJ2	4.513301	4.754046	5.026208	5.318195	8.483752	5.559224	4.364886	8.5181	4.744894	3.733166	4.331304	4.590232
FIBCD1	5.209572	5.2370835	4.359182	5.501065	4.3616935	4.0497645	3.962018	4.374199	5.8798475	4.0118155	5.5371935	3.6654
ZNF257	2.805758	2.936578	2.886106	3.486263	2.359021	2.472582	2.448374	2.59354	2.380408	2.798898	2.36647	2.424606
NBEAL1	5.0633215	4.0943565	4.3323265	4.2939155	4.463907	4.5018755	4.4742395	4.543989	4.0659255	4.4760515	3.968203	4.6693215
RP1	2.692033	2.670022	2.805312	2.623391	2.854545	2.859426	3.162753	2.696837	2.878631	2.66056	3.254955	2.766066
SLC25A31	2.156784	2.218229	2.191683	2.25559	2.215067	2.245059	2.108491	2.184486	2.265272	2.259237	2.161679	2.340766
CNDP1	3.730453	3.896847	3.794584	3.639393	3.49499	3.524123	3.567273	3.598577	3.568332	3.171865	3.709541	3.198251
CTSS	5.471182	4.97479	4.445829	4.903488	5.664265	4.739248	4.843076	5.584774	6.93659	6.048241	5.762054	5.358202
OR8D1	4.659635	4.341929	4.624828	5.15768	5.240854	5.05853	4.804356	5.222375	5.165007	4.405101	4.821105	4.511772

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
SEMA3D	3.3017355	3.1753165	3.067569	3.1615735	3.477212	3.132201	3.114397	3.345128	3.008162	2.924023	2.9364045	3.1077935
ADRA1B	3.816749	3.863364	3.50735	3.710034	3.802922	3.637808	3.558426	3.654857	3.712745	3.372054	3.738433	3.514212
GARS	11.96805	11.86756	12.29364	12.03417	11.03623	11.95556	11.68122	11.00768	12.74605	12.04903	12.63966	12.18697
ENSA	7.478286	7.375691	6.998059	7.129281	8.347712	8.181536	8.922476	8.080953	7.481124	7.127525	7.883387	6.776467
MELK	9.892462	9.325683	8.994521	9.706184	8.913342	6.179124	10.07764	8.731736	8.503756	8.474143	7.165731	7.843811
MEA1	10.39351	10.43656	10.07918	10.4973	9.77441	8.432187	9.460223	9.676507	10.03273	9.80534	9.796827	9.701259
SURF4	10.71986	10.98384	10.70761	10.81361	10.37364	10.71622	10.25854	10.34139	9.908297	9.118688	10.09709	9.06197
PCDH17	3.181108	3.265177	3.003911	3.725891	7.923069	3.6376	8.435837	7.75081	4.197945	8.961687	2.992596	10.05585
GJA4	4.2430865	4.4825615	4.319959	4.5454015	4.660042	4.6541405	4.490472	4.7368105	4.502189	4.5223605	4.9066525	4.4315355
ATP6V0E1	7.538648	6.43688	5.77986	6.362783	7.267672	7.766796	6.559693	8.363105	7.203604	8.641987	8.389234	8.896886
RENBP	4.866727	5.293223	4.822708	4.889112	5.937352	5.070947	5.636948	5.612256	5.652521	5.8134	5.687988	5.838338
PDIA2	4.461267	5.090065	5.171548	4.516459	4.730721	4.532145	4.564289	4.869946	4.579281	4.553263	4.403738	4.612641
LTV1	6.1295465	5.678111	6.128333	5.960733	7.0680205	6.761717	7.0347495	6.99022	6.1073725	6.896979	6.6304195	6.8891425
SEMA4C	8.039981	7.7911425	7.7657135	7.7771835	7.214097	7.5816445	7.4382835	7.3117825	8.2745035	8.543341	8.160478	8.35424
MESP1	5.344944	5.842929	5.658216	5.651971	5.522379	5.639349	5.752887	5.733232	5.470609	5.646779	5.61636	5.698373
CAP1	11.9226	11.91808	11.72131	11.961595	11.427445	12.1328	11.121525	11.523935	11.43168	11.10823	11.933395	11.21943
E2F8	5.661141	5.289031	5.794417	6.422654	4.926465	3.535414	6.094517	4.970899	3.285997	5.702576	3.868209	5.213653
GYG1	9.5656045	9.4563465	9.8076885	10.0621945	9.4278835	9.838879	9.983819	9.538185	10.0364885	8.6700625	9.9665355	8.6442395
EGFL6	3.642476	3.562489	3.654596	3.742366	5.018565	3.785173	5.572727	5.000704	4.238182	9.405807	3.982649	9.367231
OFCC1	2.918047	3.313564	3.046746	3.114002	3.268294	2.969534	3.265178	3.210531	3.138144	3.09863	3.011047	3.038498
VPS35	10.29587	9.576344	9.227072	9.983501	9.814839	9.588648	9.380905	9.835553	10.02683	9.306251	9.456908	9.066313
ETFDH	6.938425	6.21127	7.156709	7.022075	7.530364	7.546737	7.439318	7.504847	6.687716	6.509112	6.307101	6.479786
LANCL2	7.040169	6.811639	7.442687	7.809271	8.336533	7.866087	7.939579	8.09557	8.097153	7.603036	7.691603	7.325618
MED12L	4.207578	3.9135965	3.934235	4.155637	4.1150055	4.3641295	4.251272	4.3381965	4.374894	4.1005675	4.249477	4.0181005
SPR	7.599564	7.464557	7.609832	7.798083	8.514112	9.695606	8.541892	8.458967	7.976376	7.910261	9.164267	7.737068
NICN1	6.560889	6.485375	6.647953	6.716246	6.833942	5.733099	6.885694	6.766497	7.621691	7.084386	6.576253	7.0593
MRPS14	7.8224695	7.6000135	7.433182	7.8270575	8.7378315	8.171329	8.314237	8.57029	8.0065975	7.40852	7.778039	7.011197
SPIRE1	7.9592535	7.833458	8.325113	8.065875	7.6172315	8.222954	7.188372	7.473676	9.0279675	5.941082	8.2314515	5.58177
FCRL4	2.874407	2.85941	2.842172	2.70225	3.299056	2.967992	3.0684	2.981443	3.060384	3.067845	2.997553	2.886839
FAM53A	4.739469	4.8541195	5.00071	5.042822	4.6673025	5.175946	4.2453735	4.6501615	5.056327	4.8630615	5.487159	4.733796

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
KLF4	6.9739005	6.9251815	7.94497	7.645413	6.9290325	7.280733	7.3127825	6.8053065	8.4044935	8.048189	7.914359	8.673309
SLC34A2	3.205664	3.26701	3.488099	3.029161	3.447014	3.402388	3.26256	3.545079	3.39441	3.310865	3.630685	3.384274
ZNF622	8.891026	8.607329	8.904781	8.952345	8.744832	9.358469	8.669397	8.871303	9.663631	8.156121	9.773032	8.271772
WDR18	7.480063	7.599371	7.73057	8.225314	8.349332	8.000938	8.356854	8.434975	8.071939	7.955788	8.017477	8.548559
APPBP2	7.7941895	7.450908	7.711515	7.933649	7.6520055	7.9199545	7.9114265	7.6270055	8.4159805	7.7132885	7.5252325	7.761492
HGFAC	4.088965	4.579524	4.520002	3.99762	4.071331	4.341643	3.665636	4.11898	4.013577	3.883222	4.100882	3.958177
MYO1E	5.815568	5.647323	5.44758	5.785605	4.8915165	5.4336555	4.827471	5.06405	5.2243955	4.774044	5.381779	5.0981415
NTS	3.275107	4.515933	3.367439	3.199476	3.15035	3.331217	3.035265	3.3253	3.550044	3.50344	3.607032	3.093625
IGBP1	9.737595	9.902966	9.785441	9.731343	9.760747	9.282606	9.407361	9.73644	9.150382	9.253725	9.774911	9.09778
RPL18	9.6520645	9.6682165	9.698124	9.541398	9.562701	9.2836115	9.5969815	9.549439	9.42263	9.6481065	9.677027	9.7296695
ZC3H6	6.6064925	5.746949	5.3492585	5.9408415	5.449208	5.4704915	4.480669	5.20511	5.5495445	5.458628	5.07899	5.46753
CHCHD5	4.765004	5.211796	4.966163	4.888404	5.00361	5.030051	5.00547	5.115797	4.605198	4.767076	4.89939	4.847714
THBS4	4.802697	5.535243	5.595571	5.430776	6.903301	5.36985	6.050915	6.844441	5.434505	5.513178	5.535243	6.111469
IDH2	7.578937	7.8500045	8.0923415	7.8183005	7.526706	6.2740615	7.9495525	7.3975565	7.2018765	8.2727365	5.779995	8.2387695
ISOC1	7.040802	7.068219	6.849391	7.792831	9.484159	9.882117	11.18045	9.510614	8.972878	10.91995	9.714495	10.84991
KPNA6	7.7437145	7.76943	7.761727	8.175766	8.1497495	8.873427	7.945981	8.0514725	8.015071	8.1346555	8.347926	8.1064125
DGAT2	7.828873	6.656852	6.318065	7.73207	5.488772	5.7994475	5.4139085	5.468733	6.1226685	5.817831	6.7614325	5.5623305
FANCL	8.43222	8.13525	7.885035	8.157124	8.447055	7.367408	8.9057	8.474043	9.017735	9.524865	8.074936	9.462816
GNA15	3.951898	4.74201	3.971417	4.611407	3.653399	3.933218	3.496894	4.075148	3.808997	3.980519	3.774994	3.846658
PDZRN3	5.155699	4.764668	5.21946	6.202297	5.480208	6.233146	5.170895	5.256219	5.054466	5.40697	5.267651	5.337365
TBX4	4.521037	4.76173	4.427977	4.943215	4.510797	4.464904	4.29773	4.766475	4.23003	4.441823	4.712625	4.582713
RABGGTB	9.277788	8.838009	8.977757	8.825829	9.660854	9.801903	10.16359	9.647185	9.135509	9.418932	9.553183	9.552336
ACOX3	7.162554	7.5940025	7.4780395	7.582599	7.5295185	7.172294	6.744785	7.581702	6.3588705	6.9013635	7.0674335	6.614434
SLC6A12	4.456579	4.533533	4.598013	4.590308	5.222719	5.640563	6.634152	4.857452	4.925573	4.704427	5.06552	4.836348
PAGE1	3.785166	3.958988	3.665093	3.873288	3.797955	3.575251	3.754193	3.805403	3.679037	3.694248	3.766897	3.781822
PACSIN1	4.4743705	4.46946	4.1481715	4.107746	3.936097	3.8046715	4.016328	4.166778	3.984429	5.2971555	4.1054515	4.1734645
WDR13	7.3216485	7.1437655	7.240154	7.3618265	6.723274	6.723362	6.329419	6.494267	7.191139	6.892251	6.8988225	7.02293
SIX3	3.505092	3.859431	3.789623	3.756751	3.781108	3.5675305	3.7329045	3.6584735	3.6593155	3.6978345	3.584259	3.721452
SST	6.591988	6.401656	5.135386	6.011102	4.469551	4.780867	4.67723	4.947814	4.84384	4.669776	4.756093	4.301831
PACS2	7.155666	7.356795	7.5946405	7.66639	6.8903215	7.053276	6.6239695	6.796994	7.6752745	7.711027	7.347969	7.732149

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
MGP	2.9094905	2.9168495	3.030287	3.6643205	6.543293	3.4891125	2.983056	5.6642705	3.1236385	4.07028	2.935024	3.6887065
ARAF	6.513119	6.3755215	6.7228535	7.341867	6.9399095	6.857551	6.848463	6.831464	7.1510025	6.4773955	7.009849	6.671406
SIX1	6.592601	6.88551	6.665632	5.990919	6.787912	6.053591	6.246471	6.897686	7.195311	7.099107	6.629897	6.756443
EXOC2	6.5087615	6.266246	6.6717775	6.7539685	7.6084405	7.4768245	8.1593465	7.5789145	7.254536	7.8253195	7.398943	8.0797565
ZNF490	6.437782	6.437782	5.741715	6.59887	7.031418	6.905993	6.485417	7.060151	6.884639	6.637054	6.896876	6.396397
ANP32A	7.743715	7.921308	7.372254	8.3564405	9.1201105	8.8890265	9.343977	8.920863	9.0779365	8.9081335	8.718583	8.661198
ZADH2	6.950708	6.63239	6.841097	6.556339	7.057488	8.133054	7.525518	6.846926	5.57669	6.864079	7.842398	7.120903
SLC37A1	4.873496	5.024749	4.7560935	4.839168	5.0597085	4.710258	4.75055	5.1345715	5.3726085	5.007946	5.421683	4.6762935
RPS24	10.679469	10.738388	10.722874	10.408976	11.457999	10.4926055	11.5000125	11.399439	10.762637	11.151039	11.3104985	11.5228235
ELAC2	6.646016	6.6747915	6.372591	6.615533	6.8495585	7.5351345	7.078312	6.828374	6.655729	6.6485485	7.0344655	6.734442
WDR17	2.477542	2.2927945	2.516031	2.4569505	2.91642	3.0550245	2.803126	2.8843695	3.6687615	3.67449	2.9398965	3.945313
USP16	9.277916	8.798054	9.159779	9.21869	9.457362	9.203253	9.580911	9.454983	8.742632	8.883389	7.964795	8.668653
NDUFA7	7.2560005	7.5841225	7.1542095	7.246345	7.616713	7.6643745	7.754706	7.839853	7.286149	7.382615	8.130691	7.607303
STAT2	6.034728	6.892547	5.636282	6.377578	7.793109	6.373273	7.520524	7.968417	7.641829	6.637499	7.044393	6.769285
ACR	4.97352	5.307189	5.529827	5.098961	5.174973	4.946116	5.144378	5.246195	5.13039	4.978385	5.069245	4.813789
TMEFF2	3.884683	3.331759	3.417288	4.30131	3.514108	3.679098	6.354531	3.616135	4.08998	6.061889	7.393518	7.629291
KIDINS220	4.644495	4.224647	4.149241	4.529809	4.360466	3.723785	4.415732	4.338634	4.127246	5.877539	4.117387	5.674801
TRIM46	5.208172	5.45653	5.2344695	5.5567815	5.307163	5.2008225	5.156001	5.37754	5.328067	4.7616065	5.039551	4.7900495
KISS1	3.85744	4.406971	3.890571	4.055428	3.781822	4.00336	3.873311	3.813979	3.949903	3.730569	3.866984	3.522592
CLSTN3	6.297322	6.128547	6.350035	5.887473	6.50647	6.10215	6.486029	6.420457	6.481876	7.235186	6.418069	6.969599
FUT5	5.451412	5.476671	5.174128	5.102601	5.279997	4.82913	4.846156	4.990301	5.040911	5.206999	5.217944	4.829294
CDKL1	3.531887	3.516537	3.991571	3.853336	3.953751	4.110855	3.723793	3.769525	3.994248	3.672184	4.131047	3.569094
BATF2	4.862604	4.978018	4.665627	4.69267	5.275769	6.33676	5.45939	5.24598	6.571004	4.944748	7.779349	4.940184
OR51B5	3.4647975	3.537953	3.484917	3.907188	3.708836	3.593415	3.500979	3.905532	3.7205695	3.7008805	3.8731205	3.507415
VBP1	10.73331	10.27215	10.26701	10.62986	10.68962	10.58706	11.05119	10.66943	9.8465	10.48735	10.27265	10.40963
INA	5.418947	5.289237	5.411492	5.743719	6.547046	8.165891	6.668882	6.779952	7.812176	7.019588	6.937201	5.889851
ZNF474	3.920465	4.5338	3.901433	4.036947	4.641625	4.304782	3.43282	4.428043	3.967337	3.352994	3.579719	3.465887
RHEBL1	4.630941	4.823306	4.4585675	4.668111	4.3861445	4.114891	4.042626	4.370676	6.3168755	4.415153	6.656324	4.2655155
AMZ2	10.62979	10.87434	10.81685	10.65262	10.41396	10.58793	10.39239	10.36964	10.02075	10.00962	10.94551	9.618076
LRRN1	2.648165	2.759684	2.754833	2.819388	2.548295	2.792809	6.339514	2.874845	2.712851	8.855203	4.756094	7.496917

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
ACAA1	8.190131	7.929594	8.209338	8.126079	8.9731795	8.8684215	8.7806115	9.0914845	8.0503535	9.000085	9.517514	8.8920825
NR2F1	6.183326	5.505589	7.286191	7.68712	9.0711155	4.8408955	6.1457865	8.958299	7.0367525	8.2115895	5.5354185	7.626033
PALM2	5.76303	5.374919	5.876192	5.762623	5.286779	6.868596	6.639472	5.184916	6.121128	6.251731	5.484778	6.838202
LYZL6	5.606545	5.371381	5.216853	5.231136	5.423709	5.368848	5.445352	5.377366	5.349521	5.310938	5.451238	5.502028
NOL6	6.3319915	6.6062855	6.098239	6.0939075	6.4873455	7.416599	6.47493	6.6425005	5.891536	5.953661	5.9225395	5.7337615
ATP6V1C1	7.933475	7.481215	7.798486	8.212161	8.8594105	10.101306	8.9441945	8.997655	9.400608	7.590058	8.7425935	7.369259
CACNG3	4.734683	5.128299	4.779066	4.734683	4.736117	4.542293	4.968167	4.990221	4.727505	4.732254	4.381582	4.734683
EVI2B	3.063293	3.179012	3.141861	4.001881	3.028786	3.005921	2.996881	3.15934	6.707068	3.054417	3.395114	3.236953
ACTN4	10.0808	10.54058	9.533296	10.09565	9.536596	9.349305	9.062044	9.48189	8.885267	9.031565	9.344557	8.712321
COQ5	9.185225	8.654711	8.455877	8.800918	8.969582	8.812651	9.224184	8.955523	8.619411	9.325656	9.191715	9.357263
RABEP2	6.754897	6.995447	6.658187	6.962256	6.869508	6.764194	6.714225	6.858308	6.469417	6.560102	6.59258	6.544943
DTX3L	8.443674	7.965312	8.489267	8.666559	8.77074	8.768167	9.53566	8.656723	10.56177	9.179494	10.36686	9.390244
ITGAE	10.07756	9.702475	9.797085	10.05103	10.40102	9.684608	10.31581	10.21897	9.312916	9.251863	9.22958	8.8911
FAM43A	6.2620205	6.570843	6.5750455	6.738193	7.0192735	6.2357325	5.965141	6.957776	7.463224	5.822994	7.066662	5.702777
NUMA1	5.010706	4.420668	3.981747	3.734379	3.960378	3.945826	3.799622	4.217865	3.926529	4.051632	5.158457	4.36639
HAPLN4	4.266886	4.484131	4.339689	4.310594	4.77541	4.730385	4.66088	4.958443	5.140332	5.336136	4.895791	4.764668
ZP2	4.605485	4.812288	4.623058	4.544848	4.65142	4.471171	4.59962	4.809295	4.577219	4.326283	4.668298	3.955818
AARS	9.891909	10.12444	10.17675	9.913549	9.627911	9.873034	9.828334	9.557941	8.810348	10.36355	10.3491	10.21638
SCLY	5.837451	5.817502	5.833508	5.833508	7.128751	7.300888	7.193995	6.812124	6.873303	6.179989	6.982117	6.144895
H2AFX	5.948602	6.5799935	5.786748	6.296617	6.0390985	5.928973	6.408664	6.007404	5.492312	5.853265	5.887475	5.9507075
PTP4A1	10.05835	9.981862	9.62806	9.695413	9.432632	10.42395	9.6394	9.618961	10.3563	9.240591	9.706621	9.402709
HS1BP3	4.637292	4.778915	4.829149	5.2581855	5.197844	4.885632	5.292088	5.281743	4.996828	5.0130035	5.1456775	4.9561835
FXYD1	6.160532	6.73666	6.584947	5.927476	6.251084	5.79032	6.118721	6.290016	5.864297	6.586269	6.19311	6.675599
ITGA7	6.283272	6.5990465	6.209885	6.7253405	5.212815	4.9507515	4.906534	5.1767825	5.7282095	5.290039	5.1259015	4.668175
ZNF8	5.372532	5.510165	5.830047	5.121514	5.364235	6.031034	5.878075	5.658234	5.685521	5.629277	5.908826	6.609041
ETV6	5.809877	6.0218205	6.15469	5.821216	5.4668125	5.094571	5.157419	5.3974445	6.580249	5.3953715	5.453682	4.934935
RAB22A	8.731806	8.228016	8.708508	8.798836	7.612375	7.863152	7.214122	7.49156	7.942595	7.951926	7.665697	7.517645
SDSL	4.670653	4.830058	4.850262	5.242314	6.983942	6.792801	6.530193	7.024097	6.860994	7.562241	9.359856	7.770387
CSMD1	2.723215	3.308187	3.196658	2.937689	3.844247	3.003983	3.305635	3.603053	3.074634	4.13858	4.28119	3.702317
MTHFR	5.119105	5.583561	5.195206	5.155715	5.088557	5.148149	5.343343	5.180051	5.097596	5.081963	5.422136	5.019159

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
USP44	3.07258	3.029045	3.110523	2.856694	3.100259	4.883652	6.36393	2.915181	4.809636	6.309852	3.744013	6.144983
NOTCH2	10.4560555	10.1202465	10.414871	9.7346765	8.470542	9.421033	9.3250675	8.321215	9.7143145	9.2959465	9.1167925	8.721387
NEK8	5.612135	5.6429105	5.7287485	5.745951	5.981243	5.7894825	6.046341	5.926615	5.9085895	6.2021305	5.888334	6.4713815
AHRR	9.545334	8.853548	9.74192	9.063414	8.587405	6.265873	6.853994	8.511905	7.683456	6.947865	5.424003	7.421363
WDR5B	7.226375	6.333898	6.401898	7.454156	7.203754	6.264144	7.088012	7.274834	7.052144	7.276898	7.422857	7.162502
FAM83F	3.711544	3.8754495	3.6276045	3.9218585	3.9544195	3.70127	3.9257535	3.9664465	3.663583	4.684176	3.9176765	4.497374
ABCC4	6.086866	5.7282025	6.050478	5.779992	6.2638835	6.54375	6.245039	6.1498025	5.1306065	4.688642	5.5179995	4.2752275
PAQR8	7.003325	7.090425	6.5941325	7.2383165	5.4241945	6.975174	7.689302	5.773458	7.165574	7.5122395	6.2167875	8.014043
IFIH1	3.115294	2.955365	3.090081	3.130249	3.447014	3.064531	5.40508	3.574854	5.392429	3.7769	4.925217	3.751899
CLIP1	5.661232	5.026537	5.231162	4.724193	4.815331	4.564522	4.999005	4.935701	5.072985	5.750133	5.620019	6.126485
SFTPD	3.491685	3.690536	3.690184	3.815745	3.343227	3.482297	3.512735	3.422298	3.633744	3.129212	3.839822	3.075763
ST6GALNAC5	5.963009	5.232985	4.538761	5.948363	5.857506	6.985825	7.76866	6.045763	7.64349	6.587645	5.705952	7.180029
POM121	5.950962	5.689325	5.5418	5.46424	4.746488	4.707273	5.018376	4.999091	4.683797	4.925211	4.609914	5.285444
TTC1	8.588774	8.219188	8.445581	8.84094	9.199268	9.938687	9.289437	9.268438	8.748519	9.066762	9.714502	8.58024
PRRG2	4.722319	4.794744	4.71895	4.448667	5.139707	4.828428	4.960558	5.065084	4.775686	4.834117	5.012464	4.75106
KCTD9	9.812178	9.643653	9.911601	10.17877	8.340698	8.472892	9.116622	8.196226	8.690574	7.767208	7.864502	7.605554
FBXL15	6.363767	6.578245	6.482469	6.748431	7.185658	7.384573	7.226302	6.865216	7.115004	7.533764	7.640728	7.593902
TMEM52	4.163105	4.47117	3.947057	4.728551	4.710285	4.105054	4.54774	4.269506	4.231008	3.766371	4.263134	3.61918
TMEM176B	3.7410735	4.0355405	3.8531085	3.7498165	3.8859765	3.66386	3.835471	3.891707	3.6988585	3.9054475	3.9465575	4.1684075
CYP4F12	6.119104	5.800511	5.958535	6.108409	5.579995	5.45818	5.625703	5.687777	5.370606	5.340611	5.464945	5.472068
ASB6	7.292219	7.1359975	7.459971	7.27613	7.941161	7.5748795	7.3835195	7.776968	6.7619815	8.0804485	7.7225995	7.947193
RARS	10.78931	10.54672	10.83747	10.97487	10.72327	11.19767	10.60179	10.78856	10.74486	10.55588	10.95135	10.54894
LRRC8C	7.216583	6.380819	6.716424	6.655449	4.73971	4.578733	6.550485	4.834035	4.801359	5.134755	5.32843	4.758452
TRPV2	6.493631	6.5245795	6.0139885	6.275047	5.0998065	5.1651015	4.7489915	5.039607	6.2716055	4.375859	6.294288	4.6239445
MFGE8	7.217	9.35644	8.956616	8.283644	7.599263	9.029814	6.716128	7.528131	7.736889	6.327785	8.428187	6.36554
PELO	3.7423335	3.4825525	3.9539035	3.4972915	3.549476	3.7456945	3.6454725	3.5265065	4.100409	4.4787295	3.8708505	5.1661535
SERPINB3	3.045965	3.3409895	3.292971	2.776468	3.025781	3.041558	2.9042495	3.1666675	2.876069	2.964656	3.0836485	3.0001595
PSMF1	7.284229	6.923388	6.926426	7.515006	6.814484	7.32249	7.0264905	6.808567	7.2529385	6.302503	7.1085285	6.217211
PLEKHA1	8.5212515	8.1944215	8.417246	8.289786	7.8373075	8.910776	8.230349	7.8945195	7.586817	7.5338575	7.785386	7.972507
TRAF1	4.0649735	4.1407245	4.0738045	4.200817	3.811564	3.950209	3.676684	4.029358	4.0016435	3.777137	4.1527885	3.92256

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
COL18A1	5.8895785	6.358693	5.650532	5.91663	5.646837	5.9421015	4.976551	5.366894	6.2207785	5.5167935	5.271368	5.3481415
IFNA14	3.228379	3.319521	3.565094	3.298941	3.942885	3.371563	3.602544	4.022722	3.143503	3.126029	3.169164	3.191276
FBXO17	7.2979	8.117208	8.020865	7.759269	7.654634	7.681741	6.197143	7.318041	8.590841	7.247564	7.785182	7.613041
AHCY	8.656988	8.590033	9.174482	9.523098	11.46697	11.95769	11.69403	11.42421	10.03818	10.75372	11.07264	10.80378
FDX1	7.782987	7.355956	7.995747	8.062045	8.841684	9.845592	9.089724	8.849552	8.412917	7.29232	8.438631	7.621563
YTHDF2	9.70756	9.830108	10.04412	9.933261	10.1446545	10.46251	10.33735	10.0532235	10.262665	10.01088	10.085235	10.037381
EFCAB3	2.794196	2.897623	2.919871	2.836326	3.110476	3.791371	3.447014	3.095181	3.314698	3.368618	3.531764	3.231051
PTAFR	4.996419	5.054822	4.846132	5.168121	4.95585	4.641137	4.966716	5.02068	4.982191	4.583933	4.955225	4.653651
EPS15	8.6085	8.239092	8.348881	8.5154655	7.994899	8.9588845	8.221043	8.073581	9.3845575	8.12752	8.379535	7.9857035
RRAGC	8.727924	8.629877	8.956474	9.368312	9.082692	9.248785	8.555096	9.080652	10.61878	9.129313	9.256096	8.836208
PERP	4.632615	5.070284	4.770186	4.8398	4.60991	6.357549	4.628459	4.695501	5.916325	4.641171	5.09269	4.473545
UTF1	4.52224	4.534263	4.438587	4.426832	4.688646	4.492275	4.337162	4.462261	4.337162	4.202541	4.822763	4.384935
BTF3	12.37484	12.422085	12.33842	12.301745	12.42896	12.45731	12.764105	12.39458	11.629315	12.393575	12.110695	12.28469
WWC2	3.614649	3.588238	3.337701	3.577481	3.355881	3.077024	3.381156	3.65884	3.330959	3.375707	3.144125	3.343787
GSTT2	8.306626	6.177443	6.777182	6.022872	7.484061	8.337918	5.704231	7.217692	7.614887	6.339552	5.125576	7.033493
HAO1	3.269119	3.885608	3.565094	3.469456	3.565274	3.84178	3.36858	3.391232	3.699496	3.573136	3.319467	3.447014
NODAL	4.6269635	4.86693	4.8581515	4.89609	4.927838	4.666931	4.817669	5.0804155	4.7148885	4.3514695	4.8213655	4.709048
TSHB	3.57925	3.750793	3.693144	4.025628	3.915528	3.481175	3.631952	3.809099	3.976307	3.583055	3.863364	3.393991
PDE6C	2.170667	2.320585	2.236625	2.136735	2.170667	2.141215	2.287576	2.285244	2.173803	2.33792	2.109845	2.233211
TBC1D23	9.638698	9.764029	9.486539	9.669167	8.55839	9.024683	9.900957	8.659288	9.142376	8.486697	8.390423	8.700505
SLC22A9	4.351482	5.226618	4.431121	4.870399	4.624712	4.436336	4.307984	4.710827	4.605075	4.326974	4.517877	4.33057
STATH	2.59022	2.453516	2.1471	2.234525	2.747343	2.449829	2.612329	2.690402	2.565825	2.637788	2.747111	2.925368
HCRT	4.169901	4.914385	4.381364	4.749813	4.397675	4.547767	4.560795	4.542547	4.584167	4.311692	4.911339	4.196633
BST2	4.766756	4.14923	5.021852	4.13352	7.106595	4.384093	8.05739	6.890461	8.914669	8.761085	10.90413	10.14529
SH2D1B	3.8344385	3.622981	3.755612	3.630426	3.7783805	4.4787075	3.8888495	3.925453	3.6985165	3.7880685	3.774619	3.5659975
RPN1	7.0457835	7.28642	7.045906	7.5770145	7.4170765	7.595903	7.597425	7.555556	7.5106145	7.483536	7.558579	7.38298
MPP5	8.0095875	7.733245	8.183886	8.4470035	8.042956	8.461638	7.8048815	8.155422	8.108253	7.060155	7.339057	6.7622335
GDAP1L1	5.075269	5.248816	5.17711	5.154808	4.910285	4.880385	5.005882	4.734148	4.764723	4.820491	4.754755	4.770079
ZNF548	5.464005	5.261411	5.359346	5.678835	5.337365	5.818194	5.147295	5.179614	6.27537	6.47882	5.509835	6.14094
SLA2	5.001087	5.3426005	4.9362995	5.361099	5.080084	5.0133155	5.122637	5.3274825	5.0289295	4.899763	5.302809	5.094603

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
PTMS	5.794838	6.9635415	5.784247	5.790097	5.36972	5.4404705	5.3409555	5.190317	5.0680075	5.0095515	5.047716	4.8124185
GPAA1	9.013041	9.183455	8.937327	9.214086	8.789186	8.019521	8.920246	8.694262	8.862733	8.987446	8.192439	8.889633
ETV4	5.6782225	6.08507	5.722597	5.539989	5.6327725	6.278755	6.2981055	5.493292	5.8941875	6.8544125	7.057348	7.052076
GIP	3.97858	3.907577	3.655462	3.792909	3.907514	4.148021	3.80365	4.144444	3.348619	3.287285	3.841256	3.72374
JAK2	5.660612	5.219693	5.660612	5.932704	5.439698	5.978444	5.395333	5.110913	7.00693	6.087811	5.607202	5.485148
CPB1	4.241306	4.371243	4.376581	4.352909	5.153594	5.955728	5.789546	5.291694	4.72906	6.27274	5.860009	5.066604
PHF1	8.3484505	8.6444585	8.2161945	8.1439525	7.471897	6.789429	7.0338665	7.413262	7.830136	7.6345875	7.460818	7.5246775
SP6	6.134173	6.186413	5.066506	5.808363	5.551324	5.425089	5.370861	5.724832	5.528878	5.351939	5.582695	5.417237
BTD	5.8402015	6.0107625	5.783578	6.033118	6.0348185	5.333714	5.4771645	6.1240735	5.2635595	5.535224	6.1578145	5.3792365
GPX3	5.588643	5.6216025	5.002168	7.600974	7.8830845	5.4960925	4.566678	7.6895215	5.4622535	4.165466	4.1090205	3.714634
C3AR1	3.866443	4.1759	4.015693	4.537747	4.32274	4.678516	4.221632	4.442205	5.326821	4.21126	5.020762	4.086365
UNC5C	3.239297	3.279422	3.038714	3.359611	3.158297	3.149917	3.069569	3.203632	3.217937	4.460433	3.394125	4.080233
BMP8A	4.678913	5.128356	4.800342	4.356871	3.990162	3.863363	3.918643	3.931311	4.032923	4.099701	4.234426	3.940868
FNBP4	5.3936605	4.7518465	5.1940375	4.060352	5.128631	4.385897	5.0084085	5.093552	4.344369	5.3913045	4.6106595	6.4528945
HIF1AN	7.031017	6.584878	6.908534	7.330298	7.415089	7.584046	6.973456	7.406303	7.598638	7.255778	7.551252	7.452701
KIF15	7.478859	7.010735	6.728432	7.175025	6.50647	3.731418	7.647457	6.236735	4.195057	7.351903	4.044368	6.895825
ZMYND15	4.081122	4.296559	4.570839	4.469644	4.451624	3.922296	4.407693	4.319468	4.35254	3.910434	4.352741	4.160635
LINS1	6.204352	5.372531	5.611553	5.674801	6.380325	7.224439	6.983942	6.306742	5.79799	7.405365	6.57296	7.015075
VN1R2	4.379282	4.727423	4.491467	4.409892	4.41186	4.300912	4.40596	4.517383	4.564377	4.382887	4.360422	4.222967
INSC	3.809535	3.24616	2.706038	4.169436	3.97998	3.3737	4.999076	3.851227	2.732437	3.738757	3.032115	8.233619
RALB	9.408211	9.689568	9.6245975	9.6549995	8.436515	8.0624095	7.88299	8.554463	8.177367	7.288273	8.8707855	6.6930635
WFDC6	4.30179	4.269001	4.320321	4.407892	4.355371	4.321655	4.291985	4.263772	4.202375	4.014019	4.280734	4.184065
ARPC1A	11.01404	11.14565	11.06859	11.49187	10.87861	11.13645	10.86647	10.86073	10.84132	10.37648	10.95177	9.956858
PTPN3	4.6377785	4.644706	4.5643155	4.742285	4.5084545	4.4637805	5.2471175	4.3557295	5.5748605	5.242101	5.192769	5.47133
PPM1L	3.411528	3.1062905	3.4352705	3.48213	4.720282	5.4543195	4.021182	4.756934	4.06353	5.036762	5.0501735	5.00541
TMSB4Y	5.554974	5.603273	5.453403	5.710608	5.746254	5.580252	5.595517	5.929439	5.558764	5.400515	5.629327	5.066645
TBC1D8B	7.684923	7.417732	6.836049	7.192266	6.254375	6.493662	6.226529	6.396087	6.861097	6.307307	5.521077	6.723957
KRTAP4-12	4.862604	4.895861	4.260598	6.41302	3.210369	3.347581	3.081027	3.171714	3.137481	2.801502	3.634808	3.077186
NOG	4.040557	3.701368	7.261723	6.762863	9.109902	9.337146	8.603168	9.084106	3.785716	2.77715	4.499688	4.807153
CGREF1	5.584483	5.879315	5.930176	5.488779	6.20749	7.748557	5.815029	6.288479	6.28957	6.121543	6.692323	6.660502

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
AP3B2	3.0695485	3.0428855	3.405704	3.4873115	3.3708725	3.227129	3.0958215	3.2533515	3.5118895	3.281516	3.1878635	3.100832
COL20A1	3.6989065	4.088922	4.205918	3.9587845	3.875933	3.810133	3.8173955	3.985199	3.783033	3.7165005	4.0053085	3.7208825
SLC30A10	2.590084	2.3828945	2.587739	2.6674245	2.560737	2.999459	2.2788855	2.6966185	2.534004	2.510871	2.524861	2.3268145
RPP14	7.686549	7.23628	7.306493	7.512067	7.684732	8.667584	7.889135	7.64136	7.921937	7.916135	7.891253	7.819175
POMP	9.6902075	9.3214525	9.5788045	10.0924545	10.3779875	10.7212905	10.603976	10.5015595	9.9425215	9.830839	10.1424145	9.7957745
TFPI	7.103972	6.873059	6.689924	7.73259	5.021462	5.216883	3.390137	4.991882	7.984149	3.633684	3.57146	4.671304
ZNF81	4.631462	4.6022295	4.379708	4.8162	4.896808	4.977461	4.882662	4.9488815	4.761273	4.628272	5.057101	4.40804
TMF1	8.2695305	8.0047965	8.04691	8.0236615	7.5270465	8.2944385	7.944479	7.4790235	7.762341	6.946498	5.994748	6.714316
TPP1	8.565063	9.187721	8.504307	7.775584	8.5821475	8.7204285	7.55258	8.5672465	8.867903	8.480797	8.702671	8.194013
FKBPL	6.446527	6.093939	6.038825	6.844566	6.788125	7.088469	7.03816	6.765675	6.775738	6.227896	7.099953	6.18253
CYP2C8	3.22774	3.351259	3.19218	3.3159295	3.123852	3.0717335	3.1973415	3.1900055	3.1309675	3.2992885	3.1716545	3.3111845
CLN8	5.986787	5.589145	5.878174	6.115271	6.50647	8.612144	6.269113	6.747505	7.249702	6.022703	6.347065	6.344786
HK2	7.603063	7.3708465	7.6439895	7.7860675	7.265707	8.398075	8.1361935	7.123626	7.960885	8.1110505	8.990103	8.215249
NPM1	12.78157	12.56992	12.62192	12.56606	12.91856	12.47327	13.09459	12.92059	12.21046	12.69661	12.66318	12.74072
DPM2	8.645697	8.416584	7.915877	8.324944	8.002263	8.183405	8.159412	7.913907	8.277964	7.748904	8.460052	7.663503
TIMM9	8.173282	8.35721	8.278532	8.324415	8.418375	8.340119	8.842103	8.314027	8.745274	8.397317	8.50694	8.47866
HPGD	2.8061355	2.636558	2.572154	2.5888485	4.641333	3.115144	6.347959	4.7427425	2.9899225	3.525617	2.869063	5.590045
RNF130	4.642674	4.75699	4.76967	4.616514	4.23863	4.364785	4.668071	4.311572	4.571214	4.744437	4.309645	4.85268
SLC37A2	4.268095	4.802181	4.155949	4.42312	4.205992	4.248933	4.156115	4.167079	3.904905	3.464983	3.65443	3.706935
ACADM	8.944889	8.767089	8.716818	8.90479	10.12535	9.876347	10.14213	10.04166	9.089681	9.309279	8.649944	9.597145
COL15A1	8.049424	8.105441	7.225607	6.876276	2.759753	5.68013	2.709427	2.857103	6.379375	7.228201	4.793623	4.341114
BHLHB9	5.973036	5.425029	5.594127	6.054851	6.52658	6.286501	6.749571	6.602251	7.388016	6.244035	6.602251	6.172426
TSPAN5	9.423864	9.406508	8.722513	9.411514	4.494913	4.930133	6.146517	4.428527	9.383219	6.65626	6.783923	6.077106
HIVEP2	8.009947	7.778524	8.065723	7.708972	5.674802	6.50504	6.309853	5.696938	7.154048	6.443201	6.231452	6.586552
PRKCSH	9.333026	10.1677875	9.3491475	9.402251	7.369076	7.6279865	7.333748	7.0516645	7.222104	7.8425525	7.6270995	7.7729235
TGM4	3.993132	4.061752	3.944823	3.982599	4.438909	5.198112	4.388772	4.288795	4.074064	3.846708	4.464181	4.010569
TAS2R8	2.907697	2.583149	2.632127	2.937668	2.752172	2.765452	2.72168	2.770181	2.799465	3.100877	2.836874	2.851122
NCAM1	5.0527545	5.0646525	4.1203605	4.815039	4.8537015	5.2126525	4.5172775	4.636253	4.3519	6.0170995	5.5080635	5.17328
CDC42SE1	6.764426	6.899614	7.558115	7.1871885	8.2251605	7.884071	7.992529	8.1633	8.341166	7.9776525	8.542703	7.928254
CTNNA1	9.959836	9.916003	10.17691	10.03033	9.41398	9.496025	9.444473	9.437386	9.108838	9.13696	9.37808	8.525846

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
R3HDML	5.256143	5.599845	5.286831	5.470232	5.421333	5.468961	5.110913	5.670288	5.385545	5.233125	5.506413	4.97859
ANKRD24	5.138807	5.370756	5.009065	5.090198	5.224642	5.088736	5.081359	5.282691	4.975636	4.88741	5.400255	4.911129
GTF3C3	5.3356995	4.7855455	4.985629	5.14852	5.558698	5.2432655	5.6203535	5.3623685	5.1156295	5.5746825	5.1867435	6.2073065
CASP10	5.5755815	5.441017	5.453007	5.201771	5.697961	5.126322	5.2288045	5.8284935	5.103917	5.056895	5.674671	5.038293
RGL3	4.305147	4.48833	4.435941	4.496625	4.488555	4.157976	4.158644	4.700943	4.079753	4.12247	4.276365	4.085128
ZNF382	4.6812345	4.825335	4.8886525	4.267255	3.605086	3.8444165	3.7676645	3.9718985	5.4438515	4.5851495	3.8254855	4.56502
FAM107A	5.085229	5.239961	5.273671	5.1502715	4.8495485	6.098642	4.861973	4.825741	4.9273325	4.894083	5.022532	4.7454685
TGM2	7.7195685	6.7582515	7.189166	5.769085	4.975369	5.1381225	5.016226	4.835442	5.408644	4.842637	5.169474	4.439704
GNG11	9.107314	8.61207	8.757515	8.6865345	6.375246	3.7138775	4.792528	6.2863505	8.743762	5.33189	4.8832265	5.2667055
HEMK1	6.8683955	6.894112	6.996408	6.71642	6.1388695	5.67497	5.9882365	6.289684	6.4413815	6.908865	6.862672	7.0786115
ZNF347	5.2681535	4.646709	4.7699225	4.878834	4.387498	3.2927115	2.959452	4.009355	5.303909	6.357727	4.074956	4.1090835
TMEM134	4.718055	5.081334	4.599734	5.099266	4.709098	4.785097	5.331406	4.760623	4.81771	4.589245	4.803124	4.626318
KCNV1	4.095796	3.7574935	3.902935	3.7841645	5.062607	4.2767265	5.203222	5.1323915	3.754531	4.219513	4.247912	5.180807
PDCL	7.192631	7.165459	7.405201	7.28725	7.616424	7.015365	7.672194	7.574355	7.212814	7.473011	6.806433	7.18362
S100A3	7.100336	6.757356	6.360975	6.745977	5.770967	8.601171	5.023265	5.900848	6.672101	4.826294	7.006409	4.760585
TMBIM1	9.696228	9.610093	9.853799	9.792379	8.780315	11.56508	8.662616	8.72709	9.391767	8.211574	10.64497	7.909109
KCNE3	4.974731	5.289237	5.486928	5.616008	5.625914	5.316589	5.013731	5.660436	6.070908	5.261734	5.797124	5.110913
PMP22	10.28189	9.9363	10.46505	10.20734	11.92814	10.21242	7.143233	11.66893	9.663245	10.83234	12.0854	10.73249
GNPAT	9.74999	9.495407	9.489939	9.931129	9.587899	9.050329	9.133039	9.453711	8.82757	9.367049	9.093185	8.999294
S100A1	5.090341	5.114387	4.778991	4.862057	4.925714	5.037457	4.838662	5.174839	4.861934	4.65792	4.97543	4.562592
FABP3	4.1581385	4.0195475	4.128181	4.8184045	7.8798435	8.7768155	8.2145205	7.9752875	5.248777	6.7155715	7.1481325	6.171914
CYB561D2	6.010833	6.156184	6.115993	6.480879	6.5913315	6.8459015	6.3833035	6.479687	6.3479735	6.1394735	6.5313515	5.942628
AP3S1	11.93265	11.96539	11.9359	11.85597	10.69149	11.30181	10.71615	10.7397	11.30825	10.89971	11.35959	10.92169
TAGLN3	5.847577	6.139974	5.134391	6.149249	4.909148	4.527102	4.563319	4.786442	4.613814	4.093299	4.756094	5.060251
LHFPL1	3.003829	3.210963	3.372054	3.484031	3.344272	3.389811	3.295329	3.39019	3.27234	3.361483	3.706209	3.15131
SLC10A4	2.324607	2.25631	2.406486	1.976167	9.134871	2.772713	5.061555	9.211803	3.220399	4.27634	2.725868	2.135911
PCDH20	2.8403235	2.939993	2.8503415	2.9765275	5.7035695	2.9702485	4.626813	5.3368145	2.6008585	5.691522	2.969986	5.281953
AFF4	5.969059	5.394577	5.346789	4.659379	5.005486	5.557903	4.855274	4.994903	4.974163	4.650456	4.435113	5.020814
ZNF324	6.620619	6.973365	6.72677	6.989373	7.233467	7.00377	7.067048	7.083544	6.771045	6.998292	6.730888	7.204328
CX3CL1	5.05683	5.2404545	5.125737	5.141787	4.982105	6.164431	6.701854	4.8992075	5.37676	6.146762	6.035394	7.078216

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
DLG3	5.3699185	5.498964	5.476178	5.3501645	5.2431	5.3854335	5.249515	5.103161	6.0198215	5.802746	5.559588	5.1121585
RAB24	7.743652	7.780541	7.840138	7.654582	8.009689	7.409412	7.703042	7.963969	8.424123	8.180988	7.680251	7.776038
AHCTF1	7.426757	6.8966095	7.39483	7.542842	8.030778	8.5360295	8.1949535	7.948984	7.710947	8.0464585	7.077932	8.3384095
CASR	4.410908	4.750063	4.651423	4.541977	4.613076	4.73552	4.652038	4.569947	4.807619	4.517115	4.793143	4.632523
FCN2	3.205991	3.491897	3.298232	3.419286	3.109271	3.155058	3.053747	3.205991	3.111578	3.205991	3.146643	3.323411
PGC	5.565731	5.9659765	5.571473	5.749091	5.6821635	5.6487995	5.657586	5.8247515	5.6345735	5.4690695	5.5461885	5.3051125
RANBP6	8.49945	7.928936	7.903803	8.59121	8.60585	8.270101	9.022792	8.758561	8.956823	8.648719	8.181565	8.411125
TEAD2	5.933665	6.273038	5.87261	5.9002795	6.073539	5.342681	6.263575	5.773778	5.8361955	5.473028	5.464842	5.1006
GNA12	7.686262	7.136499	7.483876	8.191282	6.760493	7.488128	7.394561	6.586378	7.570971	7.454943	7.661548	7.404318
RGS1	2.50583	2.311525	2.49139	2.394519	2.487522	2.439723	2.49339	2.55856	2.646293	2.554187	2.462927	2.500712
PCDHB3	3.9415205	3.938769	3.7642105	3.5278265	3.4097885	3.3550375	3.3007685	3.433351	3.3736805	4.3484445	3.2172835	3.551016
ODF4	4.497813	4.591514	4.5826595	4.5749055	4.6730985	4.463986	4.6222995	4.632722	4.4553625	4.440712	4.5679405	4.2920555
RPL37	13.385	13.5641	13.40178	13.44527	13.63565	13.50702	13.64957	13.62291	13.68257	13.67213	13.76353	13.76292
ZNF404	6.512629	6.355518	6.559693	5.856128	5.560694	6.29012	4.429085	5.42088	7.066716	7.549462	5.336771	7.190661
KHSRP	6.9212065	7.586579	6.434088	6.9783395	6.8334445	6.705415	7.488927	6.692083	6.3388265	6.549747	6.2769515	6.4158765
LONRF1	4.164064	4.250062	4.21009	4.16769	4.309645	4.40117	4.54197	4.555985	4.173536	5.41614	4.392239	5.124638
OLFML2A	5.021411	5.296278	6.796135	6.241956	5.204825	5.384265	4.883832	5.251769	8.653933	7.179875	5.402498	5.397603
PCGF3	6.467595	6.858145	6.633511	6.481123	6.550598	7.050754	6.555777	6.468008	5.763529	6.641447	6.179886	6.100339
TMCO3	6.973994	7.4009385	7.3815005	7.340051	7.117617	8.302317	7.5081845	7.0149475	7.420546	6.9727725	6.839117	6.3020715
POLR3F	7.10458	7.005342	7.075995	7.158906	7.288982	7.76442	7.772588	7.29462	7.862429	6.767189	7.705385	6.840595
SNAPC1	8.876881	8.334199	8.998507	8.811012	8.834769	9.17822	7.981201	8.954271	9.463014	7.729865	8.236413	7.907984
PTPN22	3.6972775	3.1766595	2.8159625	3.2265425	2.546599	2.6028655	2.577109	2.5994465	3.1553305	2.533782	2.518491	2.7736045
RNF186	4.131377	4.139477	4.279952	3.942315	4.229357	4.140997	4.345072	4.656511	3.965644	4.408604	4.168787	3.992962
TCL1A	4.2135855	4.383037	4.243002	4.3746395	4.3189355	4.2587395	4.146126	4.3256455	4.2816015	3.975741	4.242667	3.981365
DYNLT3	10.49823	10.00679	10.33138	10.7023	10.33491	10.37316	10.95963	10.3434	10.74873	11.09562	9.849643	10.99434
GRHL1	4.329332	4.432717	5.12938	4.271102	4.2407645	5.5158875	4.328626	4.1818505	4.3841355	4.4296235	5.450601	4.306732
GPHN	6.665385	6.940231	6.826979	6.391194	6.501196	6.755675	7.344398	6.641448	6.091196	6.789707	6.716935	6.190209
HMGCS2	3.890476	3.992015	4.372067	4.0753775	4.0754875	3.9467245	3.820629	3.909343	4.0704215	3.999669	4.4292695	3.7471235
TIA1	8.204261	7.655612	7.700053	7.37232	8.198378	7.250731	7.957859	8.023487	7.990866	8.36935	7.016499	8.383243
MACF1	8.2739525	8.019862	8.5558715	7.6785795	7.764626	8.2306755	7.8394525	7.725843	7.9425805	8.27572	7.803139	8.354225

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
RPL7L1	10.91655	10.6274	10.67609	10.83022	11.73985	12.097	11.90017	11.62008	10.94005	11.18372	11.69184	11.43898
HES2	3.550343	4.079077	3.696625	3.570552	3.594037	3.807667	3.663463	3.94706	3.638533	3.329527	3.956757	3.320602
RNF40	5.056298	5.552134	5.456498	5.176616	5.884487	5.878728	6.146353	5.584615	5.733108	5.8749	6.229485	5.445908
TMEM159	6.364861	6.561255	5.925412	5.872159	7.164815	7.109279	6.509112	7.176711	8.145702	7.143199	8.503097	7.674973
GABARAP	11.83902	11.84019	11.7614	11.71486	12.02644	11.4222	11.4612	11.92307	12.04526	11.39732	11.75544	10.89919
EPB42	4.164279	4.223415	4.359399	4.222282	4.21009	4.404828	4.326777	4.385551	4.044417	4.082219	4.459982	3.999027
RUSC2	8.286689	8.509863	8.495502	8.076494	7.545485	7.597757	7.407566	7.79874	8.209191	7.923158	8.087904	7.883875
TBXAS1	3.1167365	3.5626165	3.081465	3.300161	3.2475845	3.4145955	3.5098585	3.446557	3.3781265	3.151523	3.439552	3.069508
ZNF718	5.03421	5.158332	5.129897	4.726481	4.744251	5.054605	4.898379	4.926281	4.985472	4.805145	4.354019	4.83579
SLIT3	8.901514	8.621203	9.25838	7.88781	7.28579	7.523363	7.557827	6.979676	4.526517	7.856306	7.337828	8.471442
GLRX	10.44232	10.131203	10.29932	10.468	9.0723515	8.9768215	7.9902955	9.106265	10.747665	7.8650535	10.3894	8.1921135
PRKY	6.168054	4.714785	4.52625	5.659208	5.795706	4.402963	6.28426	5.795706	5.305255	7.586963	5.684275	4.565442
MYL2	4.278377	4.628337	4.258158	4.322665	4.666959	4.575535	4.479126	4.520114	4.920516	4.553945	4.723836	4.410993
TRIM62	5.591152	5.862558	5.95591	5.857975	5.685758	5.435999	5.21827	5.72727	6.92159	5.250761	5.913841	5.692906
RIPK2	8.257314	7.6443255	7.44972	7.839792	7.6515155	8.207443	7.5337435	7.618001	8.468645	7.203655	8.8282555	7.5532985
SLC36A1	6.2892605	6.164636	6.079944	6.3789895	6.9210015	7.1961385	6.9234095	6.9810435	6.841872	6.533665	6.728152	6.320288
DNAH7	4.031369	4.403269	4.101933	4.119434	3.900519	3.813169	3.912966	4.168594	4.155199	3.771144	4.192857	4.355708
EPHB1	6.842408	6.671946	5.300941	5.719282	4.478072	4.202333	4.30188	4.208051	4.725095	4.232125	5.107161	3.936922
CEACAM4	5.014269	5.12637	5.043115	4.848301	4.766507	4.676511	4.550345	4.83724	4.694515	4.657186	4.687849	4.698349
CBS	8.116713	8.357048	7.989326	8.353655	8.219931	7.835707	8.211864	8.022202	9.19003	8.384786	9.069918	9.256825
SPN	5.802999	5.853196	5.751791	5.579105	5.720928	5.528878	5.620041	5.739352	5.446937	4.997781	5.532064	5.131355
ORMDL2	9.802725	9.28275	9.208771	9.521273	9.361113	9.189315	9.361506	9.383049	9.292679	8.293682	9.14402	8.055916
ZDHHC14	4.574466	4.7012935	4.5473015	4.4758475	4.467739	4.494049	4.2078815	4.577095	5.1284765	4.521623	4.5800545	4.367542
UCHL1	6.997347	6.6386065	7.400978	7.505287	8.5646815	6.9193815	9.0202245	8.5392435	9.887916	8.432113	7.1580465	9.1618785
ARL10	5.953694	5.845037	5.882871	5.95619	5.807355	5.574262	5.982218	5.495318	5.944637	5.341347	5.504969	5.798742
ZIM2	5.08775	5.460263	5.050647	5.528878	5.289983	5.373816	5.366184	5.541205	5.511586	5.291556	5.392533	5.15034
EPB41L2	8.432424	8.492105	8.823271	8.449164	8.886527	8.872472	9.81974	8.61807	7.768182	8.398387	8.125261	7.462687
CD109	8.507294	8.634615	8.679146	8.56424	8.701766	8.496632	8.632587	8.838523	7.804124	7.373104	8.600357	8.182568
ATAD3A	7.9564785	8.242151	8.039388	8.4298225	8.341994	8.794793	8.8675975	8.494435	7.824878	8.1025005	8.2503365	8.363945
GLI1	5.330406	4.992947	5.241735	4.962067	5.719501	5.024262	5.697291	5.419884	6.323	5.599495	6.294056	6.026576

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
ATP1A1	9.765976	9.530149	9.460285	9.978857	10.27263	10.44646	10.58663	10.2166	9.848457	10.40257	9.828943	10.41889
RPIA	7.946386	7.853307	8.107294	8.31916	8.412992	8.728146	9.030436	8.09363	8.320228	8.658606	8.501936	8.861045
ACMSD	2.955087	3.082504	3.295264	2.735197	3.339135	3.437729	3.229205	3.436443	3.487149	3.219062	3.381429	3.188446
FH	9.641907	9.422694	9.561915	9.763374	10.51908	9.542949	10.44975	10.46021	9.421356	9.959934	9.53661	10.12568
SHKBP1	7.078842	7.290334	6.986582	7.64126	6.453954	6.22896	5.944473	6.28704	6.592021	5.947752	6.169921	6.072654
KLHDC7B	3.9694375	4.2348925	4.2145465	4.1600395	4.288316	3.9707015	4.154997	4.131513	5.8680615	3.9480635	5.261177	3.750065
NCF2	3.866652	3.476545	3.993302	4.289807	5.543099	9.265081	5.663036	5.925616	5.718277	4.754418	10.98549	5.182325
STAT3	8.4221565	8.9682865	9.3355845	8.9270255	9.828961	9.6750465	10.031388	9.741871	8.5383	10.318735	9.480069	10.1788595
COCH	2.950791	3.192321	3.123808	2.987734	3.710665	3.234167	3.851661	3.616643	5.987521	4.563304	2.80149	3.358164
KRT19	5.3921485	6.197491	6.585611	7.993195	3.56771	3.631251	3.827107	3.7458615	4.27844	3.4913475	3.661995	3.379029
SIGIRR	7.7639585	7.9968005	7.645673	7.5357515	6.9338415	6.406262	7.280039	6.819969	6.725212	6.240384	7.2119765	6.1996635
DMTF1	8.92908	8.571403	8.956618	8.129712	8.761862	7.503228	8.620255	8.883212	8.819015	9.837266	8.323707	9.808335
MORC1	2.786715	2.55856	2.525066	2.740973	2.710394	2.679802	2.640133	2.701764	2.573491	2.619711	2.726023	2.809023
ZFYVE28	5.160106	5.077322	5.170004	5.187276	5.148906	5.169231	4.50917	5.204881	4.756931	4.762426	5.195388	4.814558
ERMAP	6.69746	6.735437	7.292552	6.722814	6.277511	5.962803	5.41809	6.204096	6.658551	5.248444	6.244756	5.713147
AURKC	5.333426	5.968561	5.713891	6.193403	5.368768	5.014209	5.062186	5.368856	6.534575	4.880105	5.220239	4.74683
YKT6	8.388403	8.5072655	8.0667465	8.6705495	8.460031	9.10722	8.440152	8.358838	8.384033	7.37656	8.7224275	7.02839
ETS1	8.13569	8.032318	8.338733	7.440305	6.240053	6.933748	6.149924	5.821599	7.04283	4.978386	6.505362	4.920084
SHCBP1	9.246081	8.867517	8.41117	9.345407	8.944513	4.189069	9.386014	8.672621	4.946874	7.303648	6.308775	7.251073
SLC35F1	5.210745	5.363189	5.255707	5.482448	5.537908	5.663826	5.742859	5.506597	6.036507	5.506597	5.814882	5.671588
SEMA3F	5.170602	5.170602	5.254521	5.149104	5.23747	4.949018	5.174839	4.776176	5.126002	6.266892	4.988504	5.71784
UCKL1	6.952253	7.44225	6.864578	6.416485	7.772168	7.592875	7.974454	7.495222	7.580168	6.681003	7.438203	5.936132
FHL3	7.485804	7.792463	8.058609	7.835523	7.9746	7.596215	7.704401	7.838152	7.043036	7.234308	7.782166	7.394119
ALPL	3.7220485	3.882024	3.5742715	3.876695	3.941185	3.748964	3.7884455	3.7459415	3.9600875	3.4450815	3.9938595	3.4831665
GBP5	3.684796	4.339187	3.9030725	3.5131575	3.81406	3.2268125	3.311741	3.692855	3.92089	2.9729715	4.5439985	3.9479045
PLCXD1	6.5413365	6.6272195	6.673425	6.8843545	6.586358	5.6955965	6.530512	6.432092	6.865001	6.303722	5.979517	5.75649
AP3D1	7.90559	8.179298	7.65821	7.271058	10.38434	10.79745	10.50935	10.36819	10.1238	10.27289	10.44949	10.37335
DNAJB6	8.274183	7.774994	8.57238	8.521486	9.116092	9.425739	8.663746	9.174736	8.51169	8.342666	8.958498	8.272869
UBE2J2	6.2092855	6.269769	6.1917135	6.214594	6.6669505	7.20163	6.7764005	6.551245	6.8658305	6.4014225	6.5011825	6.2952935
TRIP11	6.2850645	6.0548275	6.221665	6.302475	6.271632	6.7871915	6.151761	6.3745085	6.0760205	5.8155275	4.9557105	5.7675775

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
SMARCA4	8.495953	8.098794	8.097743	8.150324	7.937974	8.34426	8.221547	7.888305	6.971135	8.297818	7.67848	8.54282
ZNF439	6.120942	5.880601	6.027347	5.724041	3.997227	3.574408	3.459897	3.576087	4.384144	4.671951	3.642096	4.823058
NBR1	6.8350035	6.1523425	6.3706835	6.041419	6.326229	5.9388175	5.855114	6.1398765	5.509602	6.0428515	6.088608	5.764092
KIAA1328	4.468769	4.7827195	4.6561125	4.702255	4.507674	4.3805515	4.3524315	4.506087	4.652864	4.3811725	4.3543565	4.492533
MCCC2	6.398114	6.523962	6.409509	5.982953	7.790858	8.320047	7.703612	7.748192	6.38514	6.176842	6.64973	6.041332
MED8	8.951796	8.894546	8.6391	8.812654	8.012285	8.032504	7.89242	8.074934	8.171088	7.28958	8.81254	7.4224
THSD4	4.836061	5.143012	4.917071	4.769501	3.455676	3.93327	3.822169	3.607331	4.481331	4.575695	4.063474	3.977226
DEFA5	4.090563	4.199297	4.058416	4.058416	4.217818	3.951567	3.992485	3.878518	4.083229	3.817036	4.285982	3.956046
PTPN11	7.1408555	7.363912	7.019573	6.8656005	6.5619495	7.4177	7.1068445	6.4313685	5.8546255	5.2391645	5.422951	5.412271
PPP1R3C	6.5409805	6.5582605	6.4258545	6.993614	6.0869225	5.829463	6.1925005	6.0164585	5.9016065	7.9093985	6.489863	7.08096
THAP6	5.9496405	5.7595065	5.7964045	5.6171425	5.7984285	6.2519175	5.999305	5.916808	5.870172	5.529623	5.7296885	5.6106005
REXO4	7.618384	7.429886	7.62144	7.518324	7.888235	9.123133	7.940281	7.861513	8.084807	7.696387	8.573005	8.122326
KIF19	4.250663	4.576684	4.446417	4.49007	4.597462	4.542643	4.616041	4.6148815	4.453176	4.138257	4.582948	4.3396975
ZDHHC20	7.6570425	7.5127955	7.2250535	7.435174	7.570794	7.071117	7.420619	7.479224	6.143844	6.253878	5.80753	6.1553005
CALM1	6.3892195	5.408356	5.857779	5.1562915	5.1674895	5.149444	5.3556545	5.125163	4.9412715	5.075505	5.1776235	5.0769585
DHRS1	7.841587	7.688848	7.883617	7.884781	7.42486	6.95069	6.972681	7.45833	8.332495	7.598339	7.671695	7.249205
DCUN1D5	3.959036	3.442091	3.983047	4.088019	4.048074	5.435288	4.22499	4.196692	4.481252	5.068521	3.807	4.886562
ARHGEF17	8.047577	7.869746	8.056633	7.968683	6.984259	6.702426	6.999132	6.912443	7.271586	7.565733	7.310335	7.246833
ZNF532	8.141871	8.0606695	8.1656325	8.112939	9.421685	8.0087275	8.090507	9.196156	8.6920515	8.8495235	8.0447145	8.605986
LY86	4.821074	4.92769	5.021772	5.001848	5.301482	4.950608	5.147767	5.389646	5.142446	4.999753	5.300052	4.688965
BIRC6	8.9907835	7.981809	8.8245005	8.59995	8.907474	9.676389	9.1580035	9.0027355	8.806928	9.3246595	8.797586	9.5031065
DOK6	6.242552	5.347459	5.564193	4.309411	5.893023	5.06415	4.084116	5.853065	4.913994	5.504276	3.972259	3.654293
WIPI2	7.246804	6.306368	7.360468	7.29012	6.957632	8.338145	6.81284	7.024173	8.456493	6.917992	8.172381	7.412408
CCDC47	9.1510945	8.8219845	9.183459	9.122833	9.301176	10.337255	9.5044265	9.3268125	9.2962945	8.598972	8.9001415	8.6743345
QSER1	8.9526725	8.5423565	9.0456685	7.7871935	6.306252	7.053096	7.9270895	6.1365135	6.035767	7.0974435	5.7397145	7.0548975
DHX30	6.123219	5.9394945	6.028398	5.75718	6.1395615	5.9149065	5.8887835	6.107313	6.027895	5.8610305	5.877343	5.827886
PPIC	9.440565	9.4648755	9.7630125	10.255639	9.9789805	10.5008775	9.9993905	10.0785975	9.850628	9.5994805	9.7506245	9.9018065
SLITRK5	3.112606	2.842966	3.186785	3.1288585	5.2610245	3.4075005	5.313136	5.259583	4.372782	6.566881	3.708796	7.2701635
G6PC	3.478689	3.3087015	3.3150785	3.2526745	3.374481	3.316921	3.231602	3.320822	3.1288705	3.095284	3.4466	2.9859965
WFS1	6.9121865	6.9591335	7.311925	7.096114	6.93656	8.0231065	6.729096	6.9517945	7.0499915	7.0944465	7.337934	7.154814

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
CDK6	6.093418	5.712593	5.425395	5.754216	5.961325	8.155846	6.290405	6.114907	7.718017	5.100608	6.695742	5.605005
BLOC1S1	9.116836	9.56315	9.027471	9.606175	8.129376	7.54092	8.219571	7.792312	7.813179	8.566563	8.277437	8.121392
GADD45B	8.122161	9.0652995	8.2299975	8.1274055	7.9956585	6.3796445	6.9100215	8.164114	8.187356	7.175421	8.2647075	7.0043475
MRO	4.198341	4.169924	3.919845	4.314729	4.209978	4.074777	3.97805	4.175493	4.163707	4.100834	4.222392	4.049631
VANGL1	7.1574285	6.9154855	7.291686	7.3908385	6.093714	7.4595975	6.1077015	6.005489	6.901484	5.734679	7.199482	5.7452175
PCYT1A	7.273479	7.169167	7.318905	7.171525	7.354501	7.594945	7.234181	7.135281	7.467972	6.738121	7.545373	6.570222
DEPDC4	3.133002	2.9562	3.292776	3.129385	3.2830925	2.949819	3.2336075	3.0193055	3.065355	3.147351	2.776658	3.14065
FRMPD1	4.290133	4.70902	4.703217	4.440375	4.705903	4.869357	4.99754	4.668939	4.61994	4.38942	4.537817	4.595127
PLEKHB2	8.319452	7.298224	7.793327	7.764186	9.850544	10.95342	10.9194	9.960352	8.518528	10.0927	10.65728	10.51107
DYNC2H1	7.06461	5.859078	6.288047	5.232685	5.927006	6.106742	6.141822	6.042568	5.269135	6.983373	5.51533	6.989332
GNB2	9.567232	10.26514	9.648742	9.967095	10.1369	10.13401	10.08112	9.893326	9.285	9.492332	9.925423	9.274238
NUDC	9.504482	9.333073	9.338649	9.523219	10.03003	10.03143	10.38253	10.02806	9.637775	9.662931	10.32661	9.755081
STARD3	6.844712	7.104898	6.823443	6.906206	7.038985	7.497124	6.983942	6.905654	7.170758	6.81096	7.418822	7.026821
AP2B1	9.8920765	9.865439	9.617871	9.7066035	9.307384	9.3242165	9.061868	9.2330535	9.1924715	8.948185	8.7428185	8.392974
CCT6A	9.853486	9.229209	9.406685	10.147641	10.93886	11.13977	11.4117	10.8945	10.26654	10.8384	10.862635	11.054525
PVALB	3.436588	3.737737	3.728563	3.76404	3.823221	4.358318	3.860942	3.684776	4.068509	3.692111	3.566609	3.366248
FKRP	7.024559	6.862198	6.9882645	6.8828455	6.639134	7.2068225	6.560908	6.7422995	6.425497	6.1855555	6.658854	6.1440855
IPO11	4.24775	4.316032	4.148305	4.329379	3.726512	4.12017	4.031763	3.893757	3.9622975	3.988654	3.9685555	4.158921
DOCK6	5.860537	6.641392	6.354349	5.929176	5.63181	5.752666	5.911608	5.170877	5.245996	6.52237	6.056053	6.159362
GADD45A	9.493664	9.905536	9.308304	10.16951	9.846816	10.88092	10.71285	10.10044	11.75826	10.82605	12.0623	10.86579
COPZ2	7.7889605	7.838528	7.8765065	8.43626	7.664755	6.7156175	6.910415	7.697676	7.1772205	7.1519545	6.943288	6.8519125
CCDC17	4.65299	4.58153	4.21763	4.340475	4.678516	4.764668	4.916972	4.769295	4.841148	4.484056	4.909787	4.486825
GALNT7	6.853967	6.043713	7.0266835	7.263501	7.222607	9.9346735	8.2709745	7.2972755	8.976508	7.9599995	8.5006785	8.253563
QARS	10.74074	10.68473	10.82277	10.77164	10.89079	10.03173	11.04867	10.95109	9.870751	10.69968	10.14676	10.95774
USF1	5.478953	5.459105	5.245112	5.201932	6.600051	6.836048	6.665112	6.81242	6.352415	6.27534	7.409443	6.428379
CD207	3.858926	4.610293	4.270414	4.273705	4.1353	3.970134	4.21634	4.341026	4.157258	3.787575	3.726907	3.654333
PCMTD2	6.148364	6.1386435	6.3137345	5.9050875	6.039379	6.217962	6.327955	6.2034675	5.9910495	6.4204675	6.1638435	6.659933
NFXL1	7.047186	6.744832	6.697958	7.058648	7.043373	7.65082	7.114561	6.90889	7.333347	7.259978	6.392844	7.019596
SERPINB5	3.1782305	3.034079	3.324223	3.0156965	3.3474655	3.787846	2.6020245	3.485869	2.653228	2.8288275	3.317904	2.643166
HS3ST6	4.856916	5.135504	3.900519	4.857118	3.812085	4.513642	4.627581	4.004132	3.801593	4.17406	3.646138	4.132372

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
TRAPPC6B	8.342994	7.957749	8.000411	8.204454	8.29114	8.802176	8.255062	8.294239	9.302236	7.759887	8.285237	7.663928
NOX5	4.5999075	4.7836245	4.9295925	4.57433	4.449863	4.1378275	4.266815	4.4209075	4.191981	4.1901555	4.205498	4.218948
LRRTM4	2.308659	2.170685	2.44821	2.188055	2.16654	2.188055	2.926641	2.242835	2.207248	7.678611	2.273669	4.008787
ESX1	3.463712	3.580116	3.642598	3.830866	3.551314	3.509071	6.46397	3.440823	3.56424	4.820697	3.819066	7.604282
DEFB127	2.957384	2.882181	2.708737	3.044989	2.905583	2.936392	2.888939	3.115464	2.904245	2.94732	2.820489	3.026735
MMP9	4.976289	5.63181	4.805512	4.963639	4.966524	4.970533	5.110913	5.183145	4.876815	4.737385	5.057028	4.343617
DDA1	5.715187	6.459913	5.875054	6.094155	5.607707	6.302637	5.578741	5.661787	5.933799	5.582008	6.014124	5.476816
BBS1	5.646516	6.164727	5.622502	5.279997	5.475101	5.590924	5.289894	5.445908	5.247975	4.704427	5.22742	4.627872
ATXN1	5.239647	5.163687	5.613485	5.170234	6.620178	6.032042	6.615345	6.423264	6.004658	7.213862	6.054329	6.751613
MAOB	2.782921	2.989797	2.781387	2.783895	2.939095	2.783895	2.68332	3.046467	2.739957	2.859331	2.821087	2.864298
RNASEL	6.597476	5.8538145	5.9973725	6.5561045	6.8183175	5.726117	6.155383	6.916663	6.2847805	6.239181	6.326497	5.937713
WNT3	5.018878	4.712199	5.003093	4.703177	4.189998	5.013162	3.986968	4.395514	5.09602	4.103785	5.175056	3.440768
FZD3	3.6291425	3.2426915	3.6885525	3.665581	3.2683395	5.6379385	3.1768565	3.4826905	3.918919	3.9143685	4.0771405	3.799756
RPL39L	6.314895	6.51966	6.742089	7.107553	6.950782	4.435106	6.929633	6.832621	7.582965	5.848804	6.249816	5.460129
BRPF3	5.018157	5.069106	5.283929	5.099714	5.616524	5.28386	5.765978	5.535144	4.902305	4.705529	5.09024	4.817364
IQCE	5.9062605	5.723856	6.1601365	6.009209	5.4143915	6.0127525	5.052556	5.402964	5.5152375	5.257598	5.957562	4.762229
ADAMTS1	9.777361	8.1434785	9.8864975	10.444982	8.5417515	8.954696	7.7471075	8.6861975	10.035998	8.6658135	7.4850785	7.465299
GUCY1A2	4.4238665	3.410972	5.027709	3.2412175	3.777128	5.382533	6.810043	3.8874935	6.4443415	7.1980075	5.0656265	7.9067065
NPLOC4	8.736032	8.796579	8.983895	9.180084	9.011158	9.449969	8.935574	9.120501	9.26931	9.018347	9.036687	8.869642
RGS18	2.438612	2.657445	2.691962	2.608619	2.797715	3.02011	2.593056	2.773839	2.89269	2.71027	2.647451	2.79002
DEFB125	2.957994	3.25935	3.097544	3.469372	3.503319	3.074964	3.115058	3.093385	3.089708	2.661147	3.264882	3.356059
HSPH1	8.944903	8.159423	8.900957	8.689391	10.10008	10.03165	10.28945	10.00244	8.279572	8.94408	9.071936	9.051872
GSC	4.634066	4.818151	4.213906	4.236921	4.547395	4.412502	4.472674	4.521638	4.247491	4.128372	4.433692	4.376898
BRD2	9.28713	9.140121	8.715553	8.312924	9.269816	9.336692	9.319484	9.206325	8.766299	9.223557	9.272364	9.768311
TNFSF14	4.2565745	4.6192145	4.3295825	4.304595	4.2322245	4.231133	4.2514865	4.317467	4.4002865	4.240308	4.3252235	4.206038
LGALS12	4.198001	4.449682	4.240121	4.536695	4.110909	4.114353	4.249211	4.256988	4.100137	4.086448	4.34634	4.090517
SH3BP1	6.014443	6.290016	6.380644	6.070694	6.168198	6.08478	6.23253	6.184438	6.212993	6.323019	6.409388	6.429944
CDIPT	10.94808	10.44853	10.8284	10.88761	10.18869	10.69878	9.847681	10.21054	10.62766	9.953268	10.61896	9.951329
BAG4	6.115963	6.486592	6.322003	6.285048	7.050051	7.091874	6.842926	7.009434	6.311366	5.491142	6.439006	6.329647
NSUN7	2.661093	2.8317505	2.8331345	2.7916725	2.667859	2.93842	2.8095985	2.664697	3.5053745	2.71226	2.777527	2.6009555

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
SLC2A4	3.034084	3.295261	3.185847	3.522371	3.504964	3.439076	3.31679	3.52068	3.605114	3.331577	3.425458	3.705263
CITED4	5.052277	5.563807	5.078592	5.076135	4.815051	5.474359	4.81659	4.963414	5.432364	4.744858	5.499964	4.738766
ENOSF1	7.329106	6.469337	7.938938	6.663153	7.916691	6.758842	7.757763	8.123437	7.415036	8.660829	8.020516	8.789419
CNN1	7.792217	8.130198	7.68147	7.668267	5.533845	6.00263	6.053642	5.329846	6.015827	5.661467	5.528378	4.718711
CD55	8.959667	8.912333	9.172426	7.876093	9.790223	11.7263	10.48131	9.80277	10.01741	10.555	11.83137	11.79476
MMP21	2.619453	2.513238	2.563431	2.469989	2.498023	2.462629	2.526688	2.654065	2.603611	2.451499	2.508101	2.564365
PCDHB5	2.852671	2.623253	3.151873	3.136657	3.022012	2.542745	2.751678	2.765416	2.656552	2.857635	2.851788	2.662946
GBX2	3.956346	4.997502	3.885344	3.629812	3.672183	4.114353	3.87107	4.107522	4.518548	3.624733	3.977701	3.619838
VANGL2	3.94515	3.956524	3.902052	4.184276	5.129008	3.994249	4.723835	4.675175	7.492551	8.360228	5.809373	8.127846
PRKCA	5.551376	6.265221	5.33887	5.790638	5.423709	5.298782	4.048468	5.375715	5.396804	5.246304	5.499964	4.876641
CYSLTR2	3.610422	3.773968	3.869673	4.16769	3.946613	3.515971	3.440095	3.833285	3.693284	3.503915	3.899455	3.476028
ESPNL	6.2174325	6.215708	6.3657365	6.709605	6.5512365	6.2481515	6.4047805	6.541296	6.1715705	5.807521	6.258643	5.596004
HIST1H2BH	5.251227	4.773447	4.97479	6.316095	8.501155	9.139397	8.473915	8.902351	7.954895	6.867341	9.20539	6.390772
TTF2	4.6300665	4.376684	4.716307	4.5989565	5.163354	5.176947	5.7247975	5.1219015	4.1991175	4.6910445	4.915937	4.8652955
ADAL	4.937627	4.5968395	5.1041645	5.1422125	5.2971435	5.4952285	5.564753	5.3330685	6.0109165	5.3514545	5.242591	5.2493445
ACTR10	11.01396	10.65071	10.94227	11.03568	11.37825	10.37068	10.98067	11.36096	11.49069	11.05241	11.5729	11.13445
EEF1E1	6.678583	6.0623645	6.425018	6.999842	7.839255	8.8744415	8.5366735	8.0562695	8.735962	7.052439	8.3863185	7.1308805
DYNC1LI1	8.462068	7.845852	8.4460265	8.6632275	8.4995005	9.300605	9.248959	8.551159	8.606235	7.9195155	8.63857	7.943259
BAIAP3	5.666134	5.9233145	5.618576	5.7753635	5.6087175	5.8032885	5.60899	5.601107	5.7062415	5.478644	6.011146	5.706334
ZNF614	6.010164	6.064318	6.499089	5.548638	6.604819	7.015847	6.949607	6.427659	5.983753	5.692276	5.72099	5.901094
DEFA4	4.314995	4.10182	4.003081	4.113445	3.901019	4.083735	3.978951	4.020762	3.726414	3.767886	4.062246	3.380445
DNMT3L	4.365683	4.460127	3.884595	4.302283	4.524359	4.714062	4.648626	4.564237	4.570513	4.258858	4.422089	4.289364
SCAMP5	5.634377	6.147345	5.529895	5.824747	6.03124	6.417684	6.096272	5.800811	6.482284	6.601159	6.338923	6.467603
TMOD1	4.866036	5.1381185	5.216858	5.44096	5.655723	5.369809	5.1596825	5.6055755	5.5711565	4.980213	5.6154305	4.7527885
P2RY4	4.309645	4.397675	4.460685	4.536277	4.721633	4.56485	4.619599	4.802145	4.563632	4.189969	4.094357	4.376557
TULP2	3.781822	4.507893	4.366389	4.222281	4.205563	3.849804	4.315364	4.073212	4.203008	3.962543	4.202953	4.065503
HELLS	6.089936	5.28706	5.219507	5.139101	5.409095	4.240579	6.702748	5.050701	5.130274	6.896495	4.770242	6.576471
DVL1	7.892054	8.041583	7.651128	7.93358	7.667173	7.921946	7.717319	7.533937	7.738654	7.549463	8.42531	7.648904
PRF1	5.810141	5.870206	5.8499115	5.631103	5.6421215	5.523347	5.500626	5.6587365	5.375158	5.5011965	5.5320985	5.178671
STXBP5	6.677776	6.290617	6.769285	6.806328	5.591577	6.210955	6.193865	5.926787	6.155816	6.87773	5.392562	6.493577

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
CRY1	7.874406	7.582455	8.441402	8.440434	8.57353	9.055634	9.343925	8.603409	9.222315	8.559494	8.51241	8.847655
DNALI1	4.938117	4.865954	4.8033795	5.1777185	5.5147425	3.801012	4.5003215	5.6145565	5.2606545	4.482375	3.614338	3.567589
PHB2	11.7393	11.73994	11.81606	11.53979	12.07238	11.62933	12.46445	11.92667	11.3684	11.69081	11.90967	11.85207
CAMK4	3.435306	3.63738	3.575328	4.604595	3.688937	3.565093	3.467055	3.49499	3.970289	3.144998	3.725204	3.404178
GIMAP7	2.719539	2.192013	2.693514	2.365024	2.387144	2.389836	2.341923	2.532237	2.291509	2.088658	2.364107	2.368165
TMPRSS11B	2.680843	2.670302	2.564927	2.708737	2.680843	2.852629	3.037464	2.791882	3.124967	2.859426	2.844496	2.834748
CDKN1C	4.825978	5.468016	4.9985705	4.4654595	5.576213	4.978612	6.095527	5.4073595	10.78329	7.1906245	5.029228	6.3113795
AKR7A3	7.0885735	7.7531615	7.312569	7.565703	7.8580555	7.6967265	7.7051085	7.695911	6.876741	7.317885	7.4619725	7.343165
LENG1	5.81729	5.571143	5.677773	5.732149	5.748067	5.297454	5.557979	5.759473	5.797784	5.650202	5.990605	5.68341
HOXD8	7.681665	7.505953	7.747406	7.973456	7.031107	7.820018	6.817557	6.920847	4.063217	8.558461	8.612599	8.171561
USP54	6.444366	5.59585	5.897784	6.126591	5.700449	7.605359	5.661459	5.71267	8.122105	5.824508	5.989921	5.677626
DNAJC14	6.92412	6.89075	7.145952	7.599155	8.075864	8.107467	8.0712495	7.9779835	7.917795	7.820918	8.1292785	7.7397945
RANBP10	5.0359935	5.12822	5.1525675	5.0410385	5.4354475	5.448042	5.4789055	5.576387	5.2364475	5.6026355	5.7168305	5.451182
HOXC13	3.673118	3.971426	3.864186	3.86644	3.942822	3.315155	4.180106	4.473536	3.69095	4.367135	3.774993	4.159829
PART1	4.24175	4.808806	4.285797	4.652526	4.332887	4.208834	4.144622	4.66964	4.107419	3.667806	4.13524	3.886974
BCL2L12	6.743143	6.884586	6.666077	6.661047	7.306951	6.549032	7.77234	7.074546	6.935718	6.876316	6.67091	6.521825
CTNNA3	3.2933755	3.080732	3.314693	3.354099	3.5127705	3.0339455	3.208362	3.3457685	3.216229	3.580269	3.0496805	3.42157
PRKCG	5.3100925	5.202534	5.560924	5.3443795	5.498864	5.4140385	5.4346525	5.4568255	5.391977	5.119353	5.3992025	5.030887
ALDH3A2	7.634027	7.122145	7.497509	7.399501	8.666266	8.921097	7.797156	8.639414	8.07957	7.995001	9.124798	7.593079
IQCF1	3.7007455	3.7227105	3.824702	3.738628	3.7624	3.7229555	3.661427	3.7586935	3.8057315	3.6161245	3.832894	3.688706
SLC35D3	2.699227	2.613032	2.427379	2.744678	2.700275	2.603236	2.638186	3.038498	2.591834	2.474128	2.591834	2.600243
PHF3	6.218862	6.219165	6.282158	6.109993	6.150909	6.139208	6.423131	6.016708	6.371128	6.033941	4.632119	6.769284
MADD	7.283739	7.2431795	7.4939345	7.424057	7.426862	7.4506915	7.39959	7.4231285	7.0494995	7.358118	7.46066	7.3647275
STXBP1	9.380367	9.013048	9.150652	9.05866	7.251876	8.591465	7.262948	7.258499	9.213776	8.779819	8.772039	8.631332
EZH2	7.396272	6.787372	7.290121	7.73733	7.407478	5.752666	8.49582	7.262295	7.242544	8.391435	6.704081	8.142875
SLC16A14	3.118189	2.834285	3.022417	2.896549	2.941281	3.002964	2.915846	2.74682	3.920986	6.873538	2.808195	2.787145
COL9A2	4.7029445	5.1620395	4.9270435	5.183136	5.9738315	4.572066	4.712512	5.532345	4.99212	4.69466	4.8544325	4.6257325
PFN2	11.14176	11.44211	11.52973	11.94598	11.45018	11.01617	11.40796	11.36479	11.44399	11.8566	11.85506	11.5675
RABEP1	7.522916	7.234118	7.247218	6.738114	7.813472	7.608984	7.337843	7.674496	6.583798	6.245023	6.626926	6.440174
ARMC5	6.007939	6.37083	6.140363	6.10668	5.949915	5.942659	5.865852	5.771092	5.880341	5.717402	6.236243	5.858254

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
RPLP1	9.2582985	9.525257	9.40219	9.3802845	9.4504745	9.351956	9.424346	9.2731795	9.4083555	9.302153	9.4575965	9.0859015
SPACA3	3.82462	4.038162	3.911566	4.038162	4.055208	4.090796	3.987872	4.10157	4.18701	3.706608	4.45621	4.015751
HIST1H4G	3.962804	4.471171	3.787713	4.216394	4.216394	4.013953	4.169296	4.092412	3.973336	4.062251	4.222282	3.856941
HOMER2	4.8160915	5.198787	5.4562085	4.5551995	3.923903	4.1140665	4.787696	3.596013	5.169967	6.6973565	4.981521	6.6187845
ZKSCAN1	8.9982845	8.550798	8.635545	8.4097265	8.1337255	7.8293415	7.5843225	8.0628735	7.90239	8.4962145	7.993989	8.5095635
ANKRD13D	5.505297	5.679677	5.675362	5.521137	5.457959	5.20217	5.612931	5.326628	5.345918	5.785877	5.437963	5.874467
ECHS1	10.35739	10.18022	10.27048	10.56283	10.93319	11.20516	10.47797	11.05394	10.45644	10.4308	10.74457	10.34303
ALLC	4.417305	4.70902	3.638846	4.452133	4.661493	4.193089	4.482923	4.468848	4.404258	4.294108	4.587465	4.002985
EP400	6.18491	6.182199	6.4112625	5.747645	6.282583	6.4060525	6.37919	6.3555455	5.8326235	7.1999885	6.9627655	7.4284175
CLNS1A	7.965028	7.772848	7.730384	7.697603	8.01544	8.237651	8.38559	8.006476	7.5389205	8.536009	8.4959575	8.612163
MYO5C	3.5295185	3.43638	3.493179	3.403201	3.53347	3.554842	4.1136925	3.4589865	3.5337435	3.7862485	3.553138	3.180623
ZNF446	6.307175	6.7185935	6.5735435	6.69749	6.65514	6.51326	6.566504	6.720259	6.5516085	6.5040315	6.8568255	6.393496
GAB3	4.1635025	3.9420045	4.0487435	3.978598	3.672298	3.8032005	3.8305435	3.9155745	3.7809105	3.905509	4.1062855	3.6841495
TRAT1	2.549455	2.463346	2.644646	2.529914	2.612887	3.140628	2.748206	2.55856	2.983267	2.612887	3.089708	2.9516
SLC41A2	6.712461	6.390316	6.646896	6.690622	5.87535	7.125216	6.519219	6.267696	6.431096	6.361941	6.711619	6.298058
SLC39A4	6.579942	7.193695	7.046439	7.274334	7.350803	7.821771	8.495024	7.430555	6.529304	7.946624	7.369256	7.6819
MXD1	6.065816	5.737201	5.804581	5.871944	5.735058	6.110788	5.495746	5.769594	7.104259	4.549233	6.683814	4.30007
PHPT1	6.559893	6.993593	6.643723	6.709851	6.489503	5.679818	6.672701	6.577559	6.344308	6.391305	6.506768	6.486387
PRR3	6.464787	6.442458	6.321558	6.713106	7.771971	6.515668	7.934673	7.712526	7.967422	7.697703	7.115476	7.540707
ZNF683	5.908736	6.382545	6.3205	5.856356	5.79069	5.655349	5.916498	5.768292	5.548058	5.684642	5.80909	5.8351
ST8SIA3	3.362525	3.65171	3.739386	3.704337	3.776735	3.246923	3.166823	3.445221	3.31878	3.174073	3.634453	3.255613
ADAM17	7.0548435	6.6086555	7.693064	6.8333995	8.350676	8.320898	7.985803	8.3006565	8.456076	7.8379185	8.1435845	7.635147
ANKRD22	4.019315	4.0288875	4.0628305	4.212048	4.037278	4.10527	4.0218025	4.0850425	4.04535	4.041334	4.350069	4.0750345
DHH	3.575817	3.991296	3.937037	4.029039	3.705343	3.842171	4.013769	3.648638	3.771674	3.818271	3.875758	3.593814
FASLG	3.6866935	3.8576605	3.744267	3.6721025	3.778515	3.640302	3.7974275	3.740147	3.5520995	3.4464995	3.6666695	3.6432975
GPR37	2.755158	2.646256	2.186481	2.418006	2.809564	2.800992	5.743144	2.530541	3.545256	3.366805	2.836189	3.635867
GLIPR1	11.28803	10.32354	10.90801	11.47079	6.647287	8.351255	6.6037	6.687584	8.044104	6.134249	5.695564	5.048597
PARVG	5.38248	5.295156	4.924612	4.986207	4.865859	4.472568	4.309296	4.619308	4.796649	4.072253	4.651384	4.3558
CHRNA6	4.870031	5.069106	5.046251	4.811153	5.076583	4.705091	4.920269	4.956808	4.587605	4.55065	4.562744	4.785693
SEC24A	7.915597	7.438488	7.965395	7.769372	7.446673	7.681355	7.533288	7.531778	6.581413	6.170188	6.13377	6.180242

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
MMP16	4.984728	4.456804	4.079177	5.015652	4.540054	4.309645	5.039958	4.393921	4.938947	4.864946	4.317077	4.393921
KREMEN2	6.3656	6.559693	6.684681	6.588944	6.604859	6.868083	7.306122	6.614068	6.213881	7.368148	6.5748	7.316758
TMEM132A	5.844403	6.3059535	5.8175965	5.7328835	5.8842255	6.0414745	5.851493	5.8322745	5.850707	5.546318	6.125807	5.631638
AQP9	5.592797	5.238538	5.080864	5.497936	5.475913	5.23562	5.294074	5.582506	5.552116	5.284579	5.505058	5.01889
TRIAP1	9.23008	9.108487	9.349102	9.941966	10.88778	11.44631	11.04625	11.127	9.678925	10.26407	11.18632	10.28635
TLE4	4.102704	4.554497	4.196108	3.736628	5.597936	5.768472	5.174839	5.844295	6.07775	5.37543	5.157649	5.762526
RAP2B	5.376803	5.414073	5.447355	6.553645	6.061077	7.595083	5.772987	6.115606	6.88347	5.651073	7.960912	5.81302
MBD4	8.784369	8.5718565	9.074556	8.678683	8.4486325	8.008583	8.579018	8.213091	8.74961	7.8211255	7.908501	7.6783935
LSM11	5.2645385	5.3936875	5.4871555	5.2803515	5.512981	5.4392015	6.3726925	5.4773405	5.0972215	4.9024475	5.029548	4.856639
PGAM1	12.84949	12.43452	12.7994	12.92325	12.55132	12.5925	12.68837	12.57183	12.21263	12.25084	12.5415	12.203
NDUFA5	6.236541	5.811847	6.0272295	6.4308225	6.572141	6.216604	6.8195415	6.700774	6.6208535	6.7349135	6.002345	7.007728
PDE3B	4.464592	3.953691	3.760089	3.92498	6.461289	7.640427	8.005839	6.371529	4.313694	7.893955	5.999675	8.267176
ARMCX1	9.880066	9.612799	9.346202	10.09723	9.576767	7.298354	9.620924	9.602591	9.044531	8.237874	9.262329	9.115608
PNLIPRP3	2.807726	2.870639	3.056056	2.95627	3.127867	3.460936	2.948214	2.862338	4.372684	2.724716	7.90747	3.038498
ZNF691	6.797097	6.340789	6.127901	6.528181	6.862645	6.529443	7.047444	6.807891	6.57203	7.044237	7.115475	7.044392
BLVRB	9.185526	9.356634	9.103239	9.089406	8.25631	8.130875	8.113813	8.265642	9.748104	8.688571	9.354984	8.474439
ZNF26	6.169138	5.9253855	6.439548	6.1873675	5.9196975	6.0050695	6.171723	5.7920475	6.691581	6.8692045	6.438016	6.96682
CHDH	4.053967	4.858072	4.597758	4.7333	4.797264	4.792351	4.617693	4.549636	4.7752	4.434954	5.044354	4.390152
GRPR	5.406344	5.714264	6.078592	5.423691	5.663035	6.943563	6.100516	5.731708	5.076458	5.491581	5.255829	5.314242
HDAC8	6.566586	6.433902	6.345293	6.44634	6.706106	6.39478	6.373915	6.674387	6.393192	6.025066	6.457281	5.631222
PSMC3	9.954706	9.398045	9.739218	10.32136	9.921248	9.581	10.18684	10.12593	10.08006	9.691593	10.30064	9.416633
ZNF71	5.319115	5.615183	5.4346245	5.307245	5.3927825	5.338421	5.133854	5.329216	5.635466	5.146972	5.3307735	4.9039015
DRAP1	10.23848	10.45511	9.364305	10.02961	7.975719	8.467128	7.651779	7.719957	8.156307	7.267104	8.590293	6.77057
AMIGO2	4.620733	5.578692	8.402197	7.805592	8.184666	8.662868	6.06149	8.511805	13.17813	10.46389	11.76508	10.2541
CASK	6.991901	6.77171	6.402292	6.814847	5.893693	6.356649	5.600948	5.810008	7.343378	6.382321	6.738216	6.041974
S100A10	9.463675	9.430104	9.7969975	9.2973185	9.7211085	9.6730675	9.5887685	9.714179	9.8420915	9.487836	10.1044245	9.590214
DCTN6	10.11128	9.769958	9.948723	9.8554	10.12197	10.14388	9.888905	10.05651	10.02511	9.477818	9.901685	9.268574
OSR1	6.893889	6.85036	5.993208	7.602312	4.020777	5.886216	6.458756	4.754693	5.331254	4.998177	3.684497	6.018784
ASH1L	7.858172	7.595635	7.863737	6.886107	8.09904	7.834273	8.018129	8.194598	6.699771	8.027278	7.394819	7.899685
KIAA0556	6.876905	7.255538	7.597795	6.961266	6.679477	6.428405	6.25319	6.53257	6.760024	6.814993	7.041286	6.952107

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
KCNJ6	3.53283	3.9056665	3.8151005	3.5703125	3.5930275	3.401177	3.378421	3.4626575	3.775918	3.2515585	3.828334	2.961812
MAGEB2	2.930925	2.943078	2.814511	3.035983	3.281777	2.914757	3.095647	3.209762	3.288806	3.097136	2.891873	3.045503
RPRML	3.621507	3.531937	3.7223	3.42802	3.390794	3.409534	3.398659	3.368834	3.409534	3.372054	3.243401	3.129118
ACSBG1	4.2509835	4.2445085	4.563362	4.312361	3.8808715	4.2514155	3.8755625	3.8777635	4.1524845	3.827732	4.0470685	3.9415475
SCUBE2	6.326635	5.959263	7.158508	5.990988	5.34043	5.349551	7.864887	5.473486	4.537817	8.281081	4.691829	7.425417
NFYC	7.0207855	7.2311435	6.88679	6.93539	7.508741	7.6089925	7.739876	7.435495	7.4622675	7.395402	7.9455955	7.4027625
NDST4	3.7061555	3.626308	3.643039	3.626532	3.408619	3.4770685	3.398665	3.4735315	3.307001	3.430794	3.531016	3.238611
EFNB1	5.439143	5.72269	5.584422	5.849586	5.210605	5.82467	4.898362	4.902961	5.052192	5.306445	5.410203	5.372575
NXF1	8.658472	8.416815	9.034987	8.289816	8.756809	8.396375	8.752501	8.766121	8.560015	8.521601	8.527205	8.559172
GUCA1C	2.819147	2.919654	2.859426	2.823717	3.05104	3.032037	2.991116	3.038497	3.111544	2.994861	2.910698	3.063014
FAM78A	4.36736	5.115501	4.869265	4.637889	4.932047	5.143085	4.635928	5.09075	4.687809	4.858817	5.139764	4.385941
HHLA2	2.7472275	2.8538275	2.537509	2.5990875	2.849631	2.812292	2.6937315	2.776877	2.854777	2.6804455	2.7507635	2.680035
HIST1H1C	6.668882	6.249721	6.453351	7.778188	9.017968	9.11032	8.979738	9.616701	7.991049	7.388096	9.062515	7.205267
NTNG1	6.649147	5.634324	5.125847	5.9833735	4.93719	4.6624955	4.6524815	4.874189	5.74924	5.596324	4.3163735	6.100215
SPIN1	9.276078	8.9615025	8.7436765	8.5669285	8.3226715	8.1644665	8.4715785	8.2291745	8.690576	7.8665665	8.1690365	8.25077
RUVBL2	10.16548	9.930133	9.967916	10.10182	10.22968	10.38604	10.35209	10.21153	9.702596	10.1063	10.54045	10.40479
WDR47	8.404859	7.654723	7.965199	8.509636	8.349464	9.105362	8.937618	8.412039	8.62272	8.494312	8.236204	8.612253
SLC27A2	2.9967925	3.139922	3.3037025	3.4521305	2.985778	3.0770775	3.1344765	3.202484	3.143349	2.9621005	3.0351565	3.017122
SLC26A1	4.195415	5.090906	4.366389	4.749404	4.480531	4.595673	4.549285	4.597763	4.575755	4.397527	4.764148	4.384876
KIF13A	5.6952125	5.2534725	5.0430265	5.6665575	5.126069	5.276957	5.725894	5.331759	5.964395	5.633716	5.3617965	5.6926605
FRZB	3.304191	3.509095	3.350635	3.4853135	6.4973255	3.2640875	3.452791	6.188797	3.690774	3.448324	3.340952	3.3741145
CORT	4.052962	4.445947	3.934317	3.762436	4.397675	4.025805	4.184547	4.382728	3.981284	3.909948	4.24397	4.21389
TGM7	2.955087	3.653952	3.248201	3.444803	3.120872	2.928316	2.931014	3.113307	3.140407	3.097068	3.089708	2.759055
TMEM38A	5.011754	5.118246	4.756094	5.017487	5.403697	6.112924	5.235888	5.168898	5.605456	5.047498	5.236757	5.044364
TMED10	11.28422	11.08603	11.16504	11.35242	11.00942	11.12728	11.0486	10.97537	10.58754	9.673162	10.77197	9.175718
SAE1	9.954296	9.594785	9.501616	9.76682	9.880708	9.237179	10.00462	9.73969	9.84452	8.610237	9.787396	7.885248
EGR3	9.143198	9.632182	9.112249	9.567475	7.139018	4.868847	5.058772	6.895143	5.975997	7.005155	4.493868	6.25604
NMUR1	4.553341	5.095981	4.289602	4.50378	4.124385	4.248933	4.233138	4.215701	4.597161	4.188777	4.444227	4.119435
AXL	8.264727	8.5952545	9.067706	9.463603	6.730311	7.511348	6.277201	6.8347775	9.618636	7.0256365	7.7863565	6.5185235
NSMCE1	9.623586	9.521662	9.600745	9.671393	9.576404	9.186746	9.271665	9.526926	9.021673	9.645814	10.09673	9.779896

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
MT1X	11.1947495	11.424005	11.19425	10.577289	11.804455	10.55983	10.45721	11.708245	12.021175	10.25293	10.57752	9.88841
TDRD3	6.77011	6.780439	7.075045	6.88691	7.066613	6.580161	7.110007	6.945315	5.048075	7.090264	6.101951	6.950761
STK36	7.087258	6.531226	7.141396	6.778065	7.248905	6.95733	7.052097	7.385232	7.815448	7.243349	7.359238	7.215936
SHOX2	5.695827	6.311368	5.600937	5.625157	6.920001	6.790038	7.22789	6.831833	4.283628	6.621842	6.363109	6.750778
KCNT2	3.1112735	2.882689	3.036619	2.7875075	4.2803165	4.339147	4.2024135	4.4824315	5.027545	5.2212905	4.05994	6.125462
UNC13C	2.689149	2.7016385	2.683482	2.545998	2.637265	2.640189	2.5607725	2.5854875	2.5960515	2.5949215	2.7417265	2.7056705
MORN3	5.064051	5.289237	5.02709	5.192688	5.341396	5.245812	5.380858	5.368469	5.499153	5.171515	5.465116	5.093449
CHRNE	4.4874565	5.19017	4.6623435	4.726438	4.683123	4.529786	4.700519	4.643481	4.40663	4.125575	4.4259325	4.4205365
ZBTB2	7.261703	7.04208	7.308487	7.513615	8.372021	8.204353	8.162515	8.220963	8.16661	8.063873	8.25719	8.665591
GSTM1	7.763615	7.7904105	7.2423975	8.061619	7.268117	6.1030095	6.656641	6.9041995	5.9201355	6.199999	5.9274065	6.2684715
SH3TC1	5.3301415	5.6859545	5.494745	5.474927	5.9773445	6.83498	5.7074095	5.9418365	5.754057	5.6565595	6.6003895	6.2671475
EDIL3	4.311147	5.194778	5.272899	4.385892	6.262201	3.863364	4.401013	6.153127	7.973134	5.010102	3.904611	4.316457
ARHGEF16	6.362826	6.625998	6.220778	6.298585	6.182861	6.368457	6.339847	6.212996	6.625998	5.729617	6.418971	6.305103
RPL37A	7.408406	8.472921	6.90153	7.513833	7.127542	7.10066	7.66824	8.409109	7.799812	8.17606	8.711523	9.569381
TMEM47	11.19672	10.4210125	10.948985	10.9523935	7.842182	6.2689895	7.0728225	7.960942	10.4538755	7.9019425	8.1477515	7.3894735
JPH3	3.8718715	3.875622	3.7593545	3.828746	3.9031025	3.903793	3.781377	3.748048	3.9040165	4.058278	4.125004	3.796007
TRIM21	6.910476	6.722709	6.680505	6.725482	8.184191	7.794618	8.917519	8.417803	8.145421	7.835378	9.249007	8.159523
SETD4	6.411613	5.841275	6.283148	5.989789	6.424861	6.134166	5.938876	6.325185	6.797527	6.411346	6.734248	6.350634
RORB	2.700656	2.74711	3.010171	2.814828	2.709515	3.565093	2.547496	2.730204	3.174422	2.598849	2.717462	2.879483
CRH	4.1522425	4.4515315	4.372947	4.500096	4.18251	4.0976575	4.135048	4.055657	4.1337555	3.869423	3.987541	3.9634735
MDH2	9.024398	8.981225	9.285206	9.586802	10.0156105	10.970299	10.1832085	9.932425	9.756717	9.5618195	9.890848	9.68722
FXYD6	5.035525	5.569837	4.544216	4.934275	5.072455	4.947613	4.746439	4.95938	4.953515	5.492231	5.420968	5.084883
P2RX7	4.319503	4.177765	4.233817	4.182662	4.199462	4.305404	3.806255	4.028568	4.873384	4.244312	4.956964	4.338042
EFCAB1	3.62201	3.706449	3.725723	3.720058	3.79458	3.626658	3.79731	3.956005	3.828382	3.687845	3.764158	3.60445
ZNF253	5.3723435	5.5357375	5.3820275	5.4355295	5.3133615	4.9105425	4.704777	5.4196475	5.520716	6.529245	4.8653385	5.7319705
THOP1	7.580727	7.601526	7.088429	7.336708	7.677495	8.333579	7.830857	7.637841	6.838822	7.414745	7.535411	7.333916
FER1L4	5.1001025	5.2869665	5.2303575	4.972848	4.4348345	4.6013525	4.2881645	4.365226	4.664023	4.3511495	4.483786	4.2119705
FAM104A	8.590144	7.97134	8.646558	9.164722	8.763117	8.784527	8.689777	8.884252	9.454119	8.711925	9.285256	8.874023
RNF122	5.916823	5.957108	6.181574	5.582911	5.484731	5.145234	5.27554	5.442719	5.419037	5.376618	5.344719	5.190817
ALOXE3	3.9239325	4.163414	3.894884	4.0790985	3.7832105	3.803712	3.7020135	3.9380625	3.7074205	3.773161	3.9214555	3.7541405

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
TGFBR3	8.9381335	7.807602	8.643283	8.8737615	7.3064785	8.138915	8.0822375	7.4442745	8.8729295	9.159974	8.504077	8.457828
SLC13A4	5.986786	6.007838	5.867747	5.744849	5.689404	5.549449	5.89685	5.710702	5.602398	5.462501	5.830937	5.41291
NR4A2	6.3400455	7.35481	6.793145	4.662627	4.536876	4.5617795	5.410066	4.436749	4.779606	4.8391585	4.210828	4.6160225
COPS2	8.971169	8.8678495	9.027676	9.4041245	9.27572	9.6210715	9.507276	9.18005	9.0277225	8.850707	8.281353	8.864498
LUM	7.5803455	9.2617375	8.678611	8.4839655	6.8547475	8.522334	4.8346095	6.9196995	9.7049855	5.7593055	5.930662	5.0417475
TTC13	6.680969	6.349126	7.245258	7.226409	7.912235	8.392687	8.40819	8.037148	7.710111	8.293205	8.248118	8.306755
EFEMP2	10.26904	10.49954	10.633015	10.605985	8.5422955	5.860935	6.4284985	8.518911	10.1609595	8.8799565	7.966285	9.311845
ASS1	7.2660495	7.014838	7.789013	7.680335	9.2910065	10.0073015	9.1853115	9.2908785	8.178542	9.208641	9.9080825	8.8524215
PANK3	7.311157	7.0843855	7.3464935	7.30796	8.611764	8.9164415	8.611276	8.571612	8.597239	8.5223315	7.760671	8.837845
MRPL33	10.81356	10.65559	10.57944	10.67909	10.87683	11.33326	10.82032	10.9133	10.17751	10.10547	10.51667	10.41546
GSPT1	8.253958	8.085102	8.1949275	7.789443	7.438803	8.7084205	7.856872	7.339587	7.564782	8.096542	7.1163115	8.259403
EPC2	7.772588	7.401749	7.83296	8.09175	8.092669	8.587128	7.956814	8.083321	8.918377	8.002813	8.061955	7.657662
TFF3	5.033295	5.125551	5.228152	5.674801	5.800243	5.772591	5.808171	5.435978	5.599961	5.374625	5.478971	5.266027
BARX2	5.409991	5.731568	5.290109	5.654904	4.81108	4.860781	4.962833	5.067983	4.866182	4.583901	5.2794	4.583479
ZNF528	6.814847	6.731843	6.255506	6.614673	6.585888	6.246116	5.767173	6.45815	6.186869	5.977156	6.44972	5.363064
OTOR	4.158126	4.239192	4.457799	3.913312	3.994991	3.972294	4.205098	4.024031	3.816106	3.774872	3.708218	3.811073
TRIM2	5.202234	5.9159855	5.8162285	6.2542685	9.147573	7.00302	7.673797	9.0413995	5.995759	8.1913015	5.8763865	7.6987295
IVL	5.333008	4.196236	3.436019	3.513496	3.398227	4.692362	3.395728	3.632512	3.419561	3.007698	4.072352	3.176153
B4GALNT3	4.575505	5.32242	4.951575	4.98427	4.628248	4.543227	4.625969	4.395988	4.661381	4.537817	4.780287	4.45021
SPP2	4.862604	4.908953	4.990201	5.294979	4.864276	4.717119	4.8007	4.754467	4.573025	4.713716	4.756093	4.324797
GATA5	3.461065	3.6615235	3.471727	3.370929	3.5071455	3.2695255	3.396558	3.197053	3.5068555	3.271227	3.462606	3.549988
UBE2M	8.877508	9.05302	8.622806	8.671231	9.998178	10.80917	10.54247	9.892794	10.13731	9.586522	10.44399	9.373364
SLC26A6	5.880832	5.5378655	5.939036	5.4403875	5.738934	5.6794385	5.5768045	5.721697	5.576385	6.4337325	6.0573555	6.4574475
STIL	7.424043	7.091733	7.257788	8.003455	7.229838	5.634295	8.386814	6.977525	7.022617	7.237135	6.054675	7.014246
PPP1R14A	3.310423	4.033048	3.741193	5.348271	3.8465	8.170065	3.574021	4.039932	9.820379	3.900266	6.464603	4.816006
TMEM95	6.166984	6.514733	6.441558	6.383452	6.436382	5.967703	5.869543	6.57585	5.923848	5.849539	6.085207	5.716146
PIAS4	6.041021	6.3289475	6.1587145	6.255776	6.567206	7.0195705	7.1164295	6.679222	6.9569	6.9409725	7.1015075	6.7852885
PYGL	8.415265	8.913735	8.877988	9.743101	9.553844	11.15702	10.24558	9.735645	9.069798	8.969301	10.11617	9.653059
FMNL1	4.67222	4.618439	4.704566	4.418212	4.409831	4.394714	4.2948465	4.3982085	4.4626785	4.368662	4.6160145	4.107632
PKP2	2.9701875	3.3076555	3.0348465	3.2237055	3.2858225	3.3395605	3.1427955	3.2420855	4.8819765	3.229419	3.3798555	3.261597

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
HSBP1	10.5301665	10.2861435	10.677787	10.566446	10.96698	11.00071	10.488382	11.031585	10.884975	10.2918155	10.82809	10.197079
TRIM48	3.33767	3.242655	3.305845	3.281937	3.377433	3.384194	3.42064	3.450617	3.40738	3.88816	3.188823	3.052487
ATP2A3	4.432261	4.626323	4.513338	4.463148	4.449967	4.686435	4.667178	4.108429	4.203035	4.507177	4.519753	4.196939
IQGAP1	9.820332	9.779718	10.14463	9.979901	8.406684	8.848386	8.42031	8.443535	9.225401	7.973104	7.799679	7.556023
MTBP	3.334088	3.244332	3.1972515	3.1983145	3.2825915	2.856258	3.2962985	3.171363	3.262728	3.2414645	3.0913275	3.534063
ALOX5	3.739146	3.8672715	3.668355	3.8375085	3.57486	3.799157	3.6330005	3.798669	3.5540675	3.815772	3.5023085	5.5048685
ADH5	9.924412	9.634134	9.964746	10.1216	10.08446	9.397718	9.624084	9.923084	10.57931	9.858773	9.779222	9.331714
MEGF9	5.778929	5.636784	5.7800845	5.7323865	6.913806	6.4638175	6.8820385	6.8420845	7.4368255	5.876355	6.1824005	5.957086
ATG16L1	5.6652	5.1291365	5.207283	5.126235	5.1312445	5.449	5.494362	5.077609	4.990258	5.2813665	5.8321505	5.414879
LRFN5	4.947042	4.139477	3.93522	5.179789	7.154988	4.944353	3.933563	7.176193	4.071269	6.934278	4.457748	7.448841
TRAPPC2	4.9928	4.961662	5.2594335	4.9919335	5.399007	5.515065	5.096866	5.560798	5.092721	5.3375965	5.459696	5.5717245
PSMC5	10.06141	9.277094	9.777518	10.46257	10.65205	10.34324	10.77008	10.64863	10.47511	10.33219	10.53871	10.33009
ICK	4.279265	4.1190475	4.3819355	4.717199	4.914379	4.459635	4.7945225	4.8139265	4.366739	4.4595395	4.46	4.3795525
SURF6	7.11155	7.108022	7.240805	7.393817	7.606361	8.245653	8.290786	7.480019	6.960543	7.704752	8.091538	7.564842
IGFL1	4.556738	4.946433	4.693402	4.902696	5.118987	6.681822	4.638165	5.144944	4.707327	4.279821	4.993682	4.25655
FGFR3	4.2064905	4.083022	3.986749	4.238984	6.4711505	4.7592065	5.0516945	6.6999545	4.104215	3.8710365	3.9820195	3.7418065
GCA	4.016753	3.89603	4.358715	3.658962	6.541368	4.721578	8.257637	6.338984	8.154814	8.601395	5.09698	7.549395
TEAD3	6.380336	6.634519	7.55121	7.205424	6.030583	6.243066	6.115312	6.040212	7.14036	7.37074	6.382539	6.527747
ABCA4	4.199213	4.661668	4.654382	4.7027075	4.5275845	4.8472245	4.3491345	4.748327	4.4239605	5.1303525	4.469139	5.180297
TMC6	4.73669	5.1947075	4.968218	5.064961	5.267269	6.0903995	5.512483	5.285407	5.7289195	5.5999575	5.389939	5.7894685
TUSC2	6.965194	7.038315	7.049281	7.462258	7.95896	9.0912665	7.9890955	8.150298	8.224591	7.5260565	8.6407835	7.554581
CLPP	8.700597	8.897223	8.509233	8.884029	8.86222	9.348575	9.373756	8.698704	8.378373	8.409455	9.062186	8.443037
UNC5CL	3.798878	3.652197	3.9036	3.990955	3.758766	3.735756	3.871051	3.793373	3.713226	3.486956	3.898114	3.692961
TBC1D9	8.348771	7.688071	7.8061315	7.9743465	7.40446	7.8598045	8.73766	7.270993	8.355546	8.4652465	7.948914	8.3214965
ARMC1	9.5556255	9.295381	9.561654	9.5868505	9.5271205	9.6190475	9.5820415	9.5246495	9.338287	8.7946125	9.092166	8.9526595
PFDN2	10.24911	10.21042	9.774627	10.03201	10.67177	10.89947	10.78462	10.56546	11.17062	10.57167	11.59757	10.67746
ANKRD45	2.95191	3.32975	3.301818	3.222865	2.991312	3.293452	3.146012	3.355637	3.229067	3.089187	3.460378	3.159952
MPHOSPH10	8.820234	8.45594	8.613164	8.581669	9.258	9.073263	9.467367	9.116682	8.67367	9.216413	8.20216	9.348207
ACBD3	9.252891	9.1936265	8.93116	8.725281	9.862119	9.2921045	9.605816	9.913701	8.802428	9.256395	9.057514	9.502601
EPOR	6.3029515	6.6184795	5.683521	5.8927015	5.208209	5.0106655	5.1679065	5.037586	5.315673	5.029602	5.6646315	4.791489

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
PUS3	6.988981	6.96503	6.953947	7.468423	7.551127	7.368892	7.844859	7.341918	7.652134	7.869779	7.898317	8.029361
SIT1	5.163801	5.860405	5.12073	5.5414	5.407137	5.330974	5.196735	5.606398	5.312986	5.026142	5.246668	5.29165
CLSTN1	9.576862	9.875106	9.628547	9.676865	8.210853	9.347355	8.479086	8.20968	8.574469	9.676752	8.949318	9.93141
GOLGA8A	7.334198	7.856579	8.189466	6.472668	6.8666645	7.5538425	7.3475965	7.2441925	7.5351665	8.382125	7.5227075	7.9663935
SLC22A6	4.4226345	4.5862395	4.3041865	4.3060575	4.3705705	4.2227565	4.2648515	4.3080145	4.198191	4.111379	4.30918	4.1909705
ANKZF1	7.66682	7.240191	7.694386	7.388749	6.802503	6.889221	6.760261	6.790701	6.650114	7.071533	7.515192	7.250096
FUT9	2.659884	2.700275	2.905769	3.074964	2.750602	2.703654	3.038497	2.76426	2.885946	2.932799	2.78731	2.88332
STK17A	8.533354	8.203969	8.402082	8.589049	6.284723	6.836945	6.663914	6.289505	7.026359	5.614565	5.963694	4.653958
TIGD2	6.939601	6.50618	6.771126	7.225935	7.274091	7.084827	7.694892	7.407768	8.697083	8.287769	7.654989	8.291753
FNTA	9.425098	9.703747	9.588299	8.908142	9.980533	10.17801	10.1135	9.957464	8.914255	9.419785	10.09265	9.116224
MRPL10	9.262119	9.337358	9.104613	9.125599	9.310411	9.596842	9.336297	9.281013	9.011835	8.834997	9.716336	8.965319
SNRPD2	12.45158	12.56575	12.21762	12.3735	12.58745	12.32162	12.49882	12.53048	11.66131	12.28434	12.4813	12.06374
CYLD	7.026244	5.602396	6.138425	6.699076	5.574483	5.504021	5.589282	5.541671	6.412214	5.705893	5.976114	5.303121
GADL1	3.256691	2.891483	3.123934	3.131021	3.072249	3.189812	3.089708	3.100209	3.089708	3.161328	3.154722	2.90601
NDUFV3	7.868292	7.916213	7.7609955	8.0943265	8.293174	8.69383	8.474516	8.3483035	7.9957645	7.91045	8.7540455	7.98241
EFHD2	7.528144	7.676315	7.3008285	7.453118	6.802669	8.202881	7.091121	6.914131	6.467412	6.331422	7.782118	6.643962
ZNF587	5.291228	5.155917	4.87026	5.174344	6.1614205	6.544193	6.307055	6.221748	5.699133	6.8236985	6.7509905	6.547654
ITGAM	4.4881705	4.2427985	4.1656165	4.458606	4.4321775	4.2511295	4.0820735	4.301959	4.583141	4.0381565	4.500594	4.1299635
BCAS4	6.106575	5.587284	6.068534	5.843487	5.229461	5.118167	5.256758	5.412457	5.54316	5.713471	5.39545	5.659433
TMEM68	6.387826	6.430496	6.1465615	6.757909	6.767438	8.6944145	7.09865	6.8510385	7.392289	6.907698	7.743831	7.078323
AXIN1	6.820742	7.265531	7.22795	7.010646	6.697934	6.73774	6.738797	6.684474	6.914119	6.899765	7.25377	6.871446
CCL24	4.49169	5.440069	4.861643	5.144814	4.919108	4.985972	4.454431	4.583653	4.876716	4.537817	5.188605	4.614053
PORCN	6.98919	7.158187	6.736963	7.264488	7.008596	7.268345	7.307342	7.284366	6.424953	7.324704	8.222782	7.901437
COL22A1	4.044473	4.015671	4.296747	4.476216	4.381335	4.543189	4.847862	4.32095	4.369836	4.978385	3.967989	4.822685
ZNF628	4.644708	5.462291	4.602987	5.286753	4.344291	4.585185	4.37368	4.382398	4.693657	4.589654	3.809639	4.881688
SLC26A11	8.529224	8.054346	8.412401	8.144842	8.984859	8.511422	8.486833	8.954679	9.173088	9.863859	9.085905	9.455438
TMEM63A	5.459373	5.577458	5.556057	5.4492165	5.339147	5.311539	5.042648	5.518141	5.333062	5.390498	5.22375	5.3898145
LRRC19	2.469727	2.550993	2.59024	2.535015	2.431749	2.349283	2.290713	2.31952	2.505407	2.562013	2.448853	2.554091
TDRKH	3.309113	3.56063	3.412673	3.381428	3.787713	4.184065	3.624112	3.641103	4.161356	3.569562	4.235265	3.151062
MERTK	3.34382	3.819967	3.70329	3.923429	4.805748	3.556401	5.220868	4.651824	4.750675	4.838112	3.389447	4.556105

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
FDFT1	7.041063	7.29163	7.4699745	7.310144	8.4189625	7.9897625	8.4889175	8.2321725	7.3377705	8.4264625	8.2464705	8.164946
GLT8D2	9.3030695	9.6248395	9.9028115	9.6840455	7.5926495	6.3556395	5.174912	7.2581965	9.7556935	7.7924775	6.380608	6.0519135
VCL	7.345903	7.59139	7.3787905	7.4400795	7.546178	7.6201605	7.2238665	7.6683095	7.320942	7.1512065	7.4493795	6.9191985
COG5	7.924082	8.330492	8.002085	8.333632	7.355838	8.515527	7.54174	7.432382	8.221693	7.691703	7.911611	7.503191
RPS3	13.22602	13.18683	13.15754	13.23334	13.16998	12.85974	13.19948	13.20396	13.04391	13.30422	13.43913	13.25415
IRX5	6.915987	7.181145	8.224703	7.464219	4.309646	4.380404	5.321593	4.34825	3.796369	6.785993	5.669721	5.380555
MAPKAPK5	7.721478	7.790508	7.753349	7.686329	7.689605	8.215926	7.92975	7.674685	7.32695	7.062105	8.2019	7.401855
DNAJB5	7.16262	6.7752125	6.387724	6.1148535	6.402902	5.455012	6.005611	6.326208	5.661348	5.5655575	4.8765655	5.3007725
RNGTT	7.375624	6.9069735	6.9724915	7.0041705	6.9271905	6.8700665	7.3122965	6.9173005	6.34268	6.111714	6.339656	6.465056
PARP4	9.793697	9.543354	9.489201	9.023985	8.840418	8.187309	7.781074	8.646857	8.865678	8.878616	8.722523	8.043086
TGFB2	3.464592	3.415682	3.510344	3.626144	4.290804	6.034014	4.465183	4.64375	8.208782	4.193039	3.989745	4.079564
SAMD13	4.729205	4.864888	4.722543	5.499348	5.897589	6.463394	5.531707	5.667831	5.069032	6.738434	7.045593	6.438328
CHFR	7.603734	7.125134	7.8938355	7.9040315	8.3987975	7.8711085	8.4812835	8.4038365	7.9906865	8.284089	8.186747	8.1709005
ALX3	4.425131	4.488738	4.68085	4.814119	4.575089	4.47117	4.372662	4.480853	4.699456	4.640616	4.590183	4.683814
PLEK	5.660297	5.6063585	5.516616	5.606336	5.681033	5.456492	5.2100785	5.635774	5.3838325	5.1151565	5.4561905	7.483105
MT3	5.743266	5.555871	5.817604	6.009358	5.736097	5.678764	5.926682	5.892641	5.761703	4.972774	5.588493	5.054781
PKP1	5.0787105	5.156742	5.305719	5.3442255	5.4905805	6.4886135	5.52283	5.4534865	5.638447	5.551181	6.330337	4.739452
GIMAP4	2.968507	3.115082	3.243625	3.074964	3.118523	2.859426	3.333274	3.165243	3.025425	2.928758	2.816758	3.020866
MAN2B1	7.627835	7.977555	8.013597	8.049191	8.111569	8.059395	7.741073	8.222838	7.90334	8.595188	7.777114	8.29328
TEDDM1	3.194935	3.339756	3.242982	3.308187	3.41082	3.205162	3.190376	3.360721	3.086092	3.007466	3.164481	3.11711
DSG1	2.939765	2.882762	2.822907	2.654869	3.034993	2.875323	3.046349	2.750322	2.663229	2.929127	2.904298	2.822907
PITRM1	7.2818345	6.7256745	7.395688	7.602472	7.211502	7.7093465	7.622087	7.2984915	6.7336725	7.057695	7.1134665	7.0824035
CCDC60	5.63443	5.929286	5.894661	5.851487	6.038599	5.825938	5.656672	6.175414	5.789458	5.649474	5.799952	5.669521
ADAR	10.65739	10.33323	10.41706	10.47072	10.56891	10.20613	10.94983	10.50238	11.46248	11.01168	11.46334	11.18254
PHEX	4.6911345	4.2604255	4.6444715	4.967518	4.4600935	5.21302	4.342724	4.514282	4.517103	4.2017615	5.541119	4.180606
SLC6A4	2.617585	2.49893	2.778633	2.697576	2.609746	2.686358	2.560605	2.723317	2.599336	2.576741	2.609731	2.814916
DSG4	2.515148	2.166109	2.799588	2.936315	2.858129	2.799157	2.929759	2.83317	2.77144	2.897271	2.829517	2.783878
VPS8	3.71932	3.895257	4.400445	3.855009	4.338988	4.867316	5.286696	4.118207	4.441531	4.188777	4.19282	4.414646
ABHD6	5.3546335	4.8249775	5.4384625	5.189658	4.8536465	6.727557	5.343059	5.231748	6.3214	5.2350505	6.821387	5.783867
HOXD11	7.25412	7.712433	7.545607	7.858843	4.565844	7.372938	4.974924	4.872646	4.345128	4.51374	7.328212	7.688832

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
MAP1B	10.16222	10.27335	10.738	11.31743	9.920819	9.367965	11.33667	10.04416	8.957537	12.02324	9.474113	11.8876
LARP6	9.5180325	9.3429955	9.246174	9.788675	8.8999535	8.885413	7.744354	9.0274035	9.759122	8.286044	10.195175	8.263539
ARHGAP28	3.511922	3.932742	3.621996	4.061118	5.973854	6.853833	5.53193	6.390463	4.29183	4.268979	4.412831	4.682501
BTBD1	10.68443	10.34545	10.29211	10.72056	10.37392	10.6314	10.42788	10.34534	10.63783	10.06758	10.7931	10.0223
PLCG1	6.7852885	7.05249	6.928251	6.848675	6.9096855	6.243282	7.1909305	6.8185335	7.369263	7.489496	7.2169905	7.1670005
ZNF79	5.081773	4.909453	5.007762	5.468887	5.780546	6.989846	6.253918	6.080369	5.628715	5.846175	6.163264	5.963084
HADHA	9.804225	9.601795	9.500023	9.911583	10.06397	9.912067	9.841537	10.07945	9.503187	9.938424	9.811321	9.984087
IRF8	5.313609	5.034475	5.035617	4.977169	5.025807	4.805475	4.837806	4.917759	4.869938	4.915039	4.728284	4.943023
PHC3	5.466583	4.868474	4.904394	5.180712	5.546064	6.544318	5.462405	5.752061	6.12349	4.897042	5.449127	5.228422
FZD4	5.836694	5.7475785	6.4507115	6.3900095	5.863952	6.8375065	5.317045	5.9064195	5.854801	5.6078755	6.4782855	5.492094
CDH16	4.955791	5.095248	4.433819	4.894161	4.91373	5.154613	4.875325	4.945651	4.750684	4.645735	4.944352	4.425977
KMO	3.23194	3.518286	3.44761	3.491929	3.401367	3.282994	3.442161	3.585334	6.080853	3.198488	3.80266	3.313592
TMEM19	5.9480545	5.316669	5.736727	6.331163	7.180467	6.462684	6.758821	7.068548	6.641982	5.5488755	6.1755335	5.31282
LAP3	9.310528	9.065151	9.165189	9.611588	10.44184	10.19617	10.56183	10.36858	12.06163	9.9681	11.16549	9.746574
PLK1	6.767888	8.05355	6.498911	7.228484	6.13344	4.800466	7.287126	5.855148	5.197814	5.990678	5.695466	5.978739
LY6E	8.869081	9.762435	9.313953	9.565969	8.700736	8.846972	8.575375	8.279721	8.658738	8.217826	8.540776	8.639221
CNDP2	5.915473	5.749358	5.872208	6.500093	6.280299	6.26157	6.390306	6.299592	6.022731	6.360604	6.340751	6.37723
SPC25	7.476407	7.605863	6.58196	7.602104	7.817932	3.004802	8.220709	7.316161	4.088483	6.877537	5.101387	6.919967
RALGPS1	4.067514	4.098149	4.175235	4.060643	4.07943	3.965993	3.940303	4.272541	4.414708	4.456927	4.381582	4.025819
SURF2	5.593787	5.878603	5.766961	6.142477	6.926936	7.019312	7.143112	6.833012	6.567064	6.574358	7.502965	6.58948
MRPS10	8.636745	8.246017	8.405304	8.707851	9.731779	9.842009	9.807784	9.747295	9.425428	8.291195	9.652039	8.756452
GRM8	3.249959	3.426298	3.310711	3.145569	3.205991	3.041742	3.387181	3.281296	3.249049	3.549954	3.471636	3.270436
GRIA2	3.068879	2.800182	2.576754	2.740062	7.831783	2.845241	2.800182	7.591835	2.882774	9.451989	2.72919	7.134709
UPK2	5.344775	5.478351	5.161013	5.068695	5.176985	4.889004	4.735737	5.167162	5.066143	4.851966	5.097064	4.790485
TMED4	5.955686	5.710928	6.219897	6.046643	6.320217	6.5783235	6.498355	6.54256	5.9917645	6.1829905	6.1809505	6.3109885
CST2	4.766764	4.870794	4.365821	4.974159	4.46888	4.756808	4.455942	4.54058	4.397743	4.237071	4.538861	4.504042
SULT1A2	6.5962155	6.649715	6.6428495	6.1573405	7.7769655	7.339081	7.537139	7.7678095	6.7204085	7.698519	7.5263315	7.8400185
GLYATL1	2.381204	2.326552	2.208365	2.12376	2.279073	2.472299	2.33138	2.469828	2.169484	2.295444	2.664779	2.386213
AP1S3	3.259832	2.809181	3.147614	2.911258	3.953735	5.914941	6.544108	3.924333	4.77311	3.987868	3.711164	3.419562
TRIM26	7.603591	7.786438	7.921467	7.398096	7.607663	7.505149	7.9628	7.730042	7.579074	8.494954	8.15942	8.464673

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
CCDC127	8.390528	8.265259	8.746182	8.723489	8.454986	9.142746	8.162571	8.453948	9.035028	8.512908	8.908143	8.175334
PDYN	3.608622	3.969627	3.588656	3.759375	4.022802	3.949234	3.614649	4.223094	3.981998	3.337419	3.891213	3.929069
HBM	3.991744	4.361891	3.939143	4.135829	4.144872	4.206004	4.362	4.164667	4.137495	3.912639	4.012535	3.676057
TSGA10IP	6.105925	6.264093	5.917553	5.853791	6.103269	5.918884	5.77083	5.999013	5.771023	5.475913	5.79972	5.534775
ZNF460	3.510668	3.707555	3.569124	3.573328	3.388441	4.291056	3.811562	3.659734	3.703668	3.874392	3.949126	2.846839
TAP1	7.781331	7.904382	7.866286	7.517843	7.766528	7.754797	9.195824	7.717651	9.885696	9.167835	10.40007	9.063651
HES1	5.220293	5.663548	6.261417	5.625163	7.000937	7.208266	6.996824	7.033326	9.305403	6.287741	6.580656	7.949502
CLN5	7.0681835	7.012763	7.4920475	7.8649145	8.7920425	9.707758	8.4624235	8.874415	8.2394515	7.8556505	9.044684	7.552604
LDHA	13.67099	13.57959	13.63401	13.78418	13.26442	13.38147	13.46826	13.2649	12.85917	12.97034	12.69652	12.71456
INPP4A	5.652363	5.925019	5.69276	5.9839145	6.6843705	7.0817465	7.646171	6.5932615	5.6542275	6.076259	6.9029115	6.763548
CHID1	8.296054	8.946561	8.657155	8.647507	7.958916	7.978044	7.773791	7.82803	8.32913	9.227293	8.265263	9.244826
PIAS1	8.225241	7.522727	7.484878	7.968666	7.790781	8.044039	7.97851	7.827483	7.626245	8.018429	6.25867	8.057004
OSBPL5	7.265388	7.3902635	7.616639	7.3587795	6.6848265	5.5921525	6.446308	6.566546	5.744177	7.116475	6.415254	6.751523
ZNF442	3.63369	3.791732	3.581432	3.51668	3.231103	3.218385	2.941802	3.135815	3.480724	4.62048	4.05266	3.949867
EEF1D	8.6331275	8.091662	7.94093	8.9314675	8.7309485	8.7351365	9.1372175	9.288786	8.9651435	9.305686	9.274711	9.72457
FUT6	5.079785	5.198766	5.159789	5.032729	5.2387	5.093221	4.898307	5.38254	5.034796	4.882409	4.99823	4.994813
NTN1	4.339753	4.288049	4.687291	4.105181	4.603518	4.471593	4.465881	4.538097	4.725733	4.521951	4.452655	4.30893
PGBD4	3.99167	4.209876	4.408642	5.025618	5.105686	4.844278	5.219024	5.279971	4.89174	4.435015	5.120857	5.184714
BAHD1	6.604163	6.659005	6.915301	6.789179	6.887956	7.336772	6.985195	7.037981	6.411351	6.849051	6.933715	6.782267
PLAT	10.91927	11.55342	10.11745	9.388659	7.413428	10.2929	6.410156	7.507662	10.39288	4.265557	7.875754	4.756285
MLLT10	6.311971	6.365837	6.3697795	5.915845	6.505077	5.807304	6.789917	6.474584	6.1171475	6.2246345	6.3319565	6.088259
HCN2	4.3390265	4.8955515	4.2017335	4.446268	4.373635	4.3537725	4.025904	4.1527545	4.351515	4.119333	4.6840925	4.076338
LMAN1	9.643435	10.06336	9.930893	9.08812	7.530183	8.84688	8.183029	7.541714	7.654537	6.559061	6.517751	5.356078
GPR75	3.43974	3.438193	3.50401	3.70268	3.673197	3.508991	3.306756	3.5103	3.515655	3.420449	3.663167	3.142958
STX1A	7.22641	7.593755	7.501054	7.526172	7.03403	6.774809	6.415773	6.796082	7.333815	6.861085	7.200605	6.467603
PRKACA	6.622295	6.8093045	6.1496995	6.613547	6.6144015	6.3034235	6.200612	6.495082	6.220996	5.637794	5.62724	5.5988445
MED31	5.393258	5.398861	5.171548	5.135581	5.695562	5.378324	5.889648	5.499629	5.695826	6.603573	5.234157	7.098518
SNTB2	6.051827	6.072125	5.804935	6.255403	6.548182	6.171475	6.644347	6.613318	5.652833	5.644367	5.680346	5.448423
UCK1	7.399338	7.5623795	7.412146	7.757474	7.8105755	7.2569215	7.8663785	7.686245	8.229445	7.1338935	7.494287	6.6668005
ZNF547	2.924372	2.558302	3.045441	3.025527	3.2209875	2.860573	3.226823	3.2033825	3.0697145	3.5815755	3.137625	3.601625

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
ABCB8	5.9165995	5.747629	5.7864125	6.1155235	6.119941	6.336571	6.209651	6.0528895	6.1372465	5.796044	6.055354	5.5654495
GOLPH3L	8.870097	8.696367	8.705579	9.078047	8.546288	8.57295	9.215005	8.649286	8.943661	8.081544	8.073609	8.113202
RPL29	12.866085	13.06588	13.03414	12.940215	13.33181	13.0609	13.320125	13.286265	13.027345	13.380115	13.50813	13.39317
FN3KRP	9.197585	8.975037	9.024818	8.87287	8.347257	7.694782	8.663558	8.261994	8.944224	8.635468	9.370226	8.726021
PPWD1	5.6407545	5.299599	5.5767045	5.1685075	5.4406675	4.9568535	5.5954075	5.3715045	5.249109	6.0889065	5.068667	6.3584775
PSORS1C1	4.146186	4.057819	4.190661	4.453139	4.58276	4.203601	4.155669	4.321291	4.415681	3.99865	4.302043	3.722335
PNLDC1	3.079727	3.14473	3.759428	3.305404	3.669972	3.542317	3.43405	3.594863	3.827641	3.510745	3.447862	3.512384
INSL5	3.531284	3.763195	3.583679	3.698981	3.328115	3.059764	3.079691	3.3032	3.65098	2.882075	3.451808	3.086492
TRMU	6.7094195	6.396299	6.324015	6.678093	6.9319485	5.9873995	7.307583	6.4661165	5.442298	6.020539	6.0555315	5.8143325
DNAH5	3.9950375	3.936164	3.838932	3.969893	3.238664	3.1663335	3.209726	3.294522	3.8408655	3.367065	3.684588	3.2434525
ISOC2	7.473119	7.352158	7.40514	8.086426	9.181957	9.296365	9.829679	9.058787	8.790073	8.120038	9.379572	7.952677
CRP	3.6720405	3.543345	3.446982	3.6057075	3.7549265	3.6486085	3.670206	3.804612	3.5545505	3.265289	3.5857555	3.6669805
POLDIP3	6.225092	6.240591	5.7625905	5.718013	6.137756	6.4031045	6.195531	6.2956185	5.9553335	5.1639725	6.0763645	5.191192
CEP192	7.183114	6.723967	7.158971	7.093801	7.363592	6.518841	7.596917	7.198112	7.358155	7.669258	7.113144	7.307336
ZNF334	4.5690275	3.871694	4.0612575	3.801302	4.433925	3.29961	3.495189	4.496886	5.075384	4.692346	3.4204605	4.883561
HEXIM2	5.929784	5.866094	5.571506	6.140188	5.725658	5.609746	5.939011	5.725658	6.002073	5.768186	6.63965	6.242759
TNRC6C	5.163346	4.925157	4.995753	4.929106	5.356525	5.430592	5.076135	5.237106	4.866458	5.066114	5.263772	4.911757
CARD10	4.950138	5.507101	5.008971	5.01939	4.683031	5.135807	4.950744	4.980762	4.984712	4.740326	5.024203	3.633427
SLC16A7	7.916679	7.735852	7.503126	6.734144	7.858676	8.051843	8.416093	7.945186	6.292929	7.72612	5.422705	7.762236
TIMP3	11.4876	12.22263	11.402355	11.62677	9.9319155	11.268005	5.744478	9.9036535	8.8023655	7.401841	10.169265	5.577533
RAP1GDS1	9.402117	9.1804865	9.1018415	9.214309	8.085986	8.0663285	8.2601785	8.1476645	8.174515	8.034955	7.9286615	7.578918
NADSYN1	4.360606	4.970308	4.330873	4.583279	4.55183	4.678158	4.718087	4.639568	4.348763	4.460433	4.620265	4.249676
JAKMIP1	4.170043	4.315194	4.23639	4.107095	4.058417	4.097047	4.13566	4.070267	4.159866	3.8106	4.185745	4.181097
SMARCE1	7.9809	7.483342	7.6018495	8.121085	7.9068685	7.693053	8.074961	7.841839	7.4909915	8.0118485	7.94705	7.9165285
ARL4C	6.0584175	6.8085875	6.758633	6.166453	4.276171	8.888976	4.257588	4.44982	10.120372	4.6655815	9.4248055	4.245823
MRPS35	9.553128	9.246136	9.251942	9.364213	9.69363	10.50383	9.98702	9.718378	9.643871	9.396181	9.819846	9.308907
TKTL1	3.7669395	4.1488515	4.152923	4.035453	4.031808	4.220084	3.815388	4.1678315	4.209309	4.080766	4.10109	3.88565
CAD	6.041078	6.0586175	5.92152	5.798845	6.0646645	6.149229	6.065806	6.02106	5.7302935	6.097181	5.8367795	5.982165
PI3	5.3967155	5.365843	4.820758	5.3623955	8.722665	10.618675	6.936235	9.121345	5.0679275	8.0721835	10.219745	8.7322605
SLC5A8	5.674855	5.762954	5.548613	5.505155	5.541136	5.168344	5.473672	5.549206	5.205869	5.239097	5.529357	5.278114

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
IPMK	4.767099	4.8892735	5.0268465	5.0879045	5.089517	5.843232	5.3444255	5.2477935	4.626671	4.950062	5.0111285	5.0384275
ZNF74	5.023067	5.4661395	5.384389	5.395115	5.783729	6.041029	5.9294475	5.7179325	5.5877425	6.223757	5.901674	5.9139885
IMPG1	2.307119	2.573176	2.315092	2.362805	2.939652	2.205518	2.783473	2.931014	2.743728	2.762558	2.429348	2.469828
DMP1	2.7473335	2.635673	2.740581	2.5312295	2.451229	2.514376	2.4816065	2.6148995	2.501209	2.5080185	2.684297	2.623145
LOC441242	3.084452	3.372755	3.918161	3.705498	3.699015	3.299981	3.32619	3.615594	3.502263	3.709753	3.862245	3.412829
FIP1L1	7.375085	7.753235	7.713294	7.4982695	7.492937	7.7408655	7.559408	7.5339495	7.141893	6.991842	7.9571305	6.7467015
MYO7A	4.2059335	4.337781	4.3745175	4.4142375	4.5523915	4.5386405	4.484813	4.326	4.3237455	4.438885	4.5006215	4.2851435
KPNA2	10.872295	10.449055	10.62124	11.176835	12.0707	12.229485	12.519375	11.971885	10.985295	11.41581	11.55296	11.327985
NEUROG2	2.721113	3.33826	2.730583	2.919824	2.848088	2.944983	2.915756	2.695867	2.885319	3.08027	2.926178	2.906242
DNAJC1	9.078817	8.913984	9.567971	9.060808	7.846998	7.334377	7.832703	7.903732	8.871399	8.390168	8.750597	8.799742
PPP2CA	7.482208	7.09635	7.138207	7.679793	6.589046	8.12822	7.226747	6.277957	8.390783	7.979543	7.627488	8.311363
CD209	5.372531	5.372531	5.297915	5.067315	4.631777	4.47862	4.40837	4.634066	4.638471	4.959268	4.751291	4.474009
CALCOCO1	8.278354	9.047943	8.370965	7.982355	7.178219	7.202122	6.60902	7.218666	7.011499	6.960581	7.122375	6.545004
C1QTNF4	3.372054	3.584124	3.428114	3.639393	3.324756	3.63209	3.359052	3.438252	3.826688	3.718202	3.68179	3.144123
NOXA1	5.872236	6.073245	6.167006	5.593155	5.612813	5.578532	5.651073	5.577564	5.590874	5.553574	5.661257	5.943905
ZNF85	6.5473625	6.584254	6.3005345	6.661843	6.5275975	5.141665	6.6637735	6.265416	6.1418215	6.581579	5.484733	5.6163415
TMEM75	2.901767	2.858212	2.950771	2.971583	2.888129	2.955002	3.042114	2.958233	2.908794	2.718997	2.938219	2.736927
NT5DC2	4.459032	4.754405	4.431309	4.705668	4.380521	4.367253	4.41698	4.337482	4.518548	4.099625	4.381582	4.099992
SLC22A18AS	6.475746	6.736723	6.545445	6.716292	6.428008	6.603623	6.380032	6.663479	6.89506	6.465161	7.063914	6.399307
SH3PXD2A	7.08329	7.126292	5.853147	6.877677	6.098237	5.720637	5.659916	6.13729	5.162489	5.997076	6.274066	6.035334
2025-12-01 00:00:00	3.0011301	3.153266	3.029349	3.039556	3.000849	2.921762	2.930538	2.971327	3.39536	2.976074	2.901925	3.133334
HMGB1	11.4621	11.35672	10.91035	11.49355	11.74057	10.74589	12.00438	11.6033	10.52772	11.31446	10.56898	11.02543
DIO3	5.086278	5.114661	5.443091	4.993997	5.670756	5.363493	5.244931	5.702759	5.302143	5.359508	5.499964	5.333687
DNAJB13	5.478916	5.542538	5.292004	5.400521	5.350664	5.244398	5.2422765	5.476297	5.2764635	5.3063865	5.4685785	5.329367
CHODL	4.408511	4.452565	4.268239	4.448629	4.3389	4.146132	4.526387	4.294264	4.995417	5.092971	4.277454	4.455338
OR1C1	3.478704	3.468544	3.3384265	3.554369	3.4419205	3.2856925	3.522533	3.4958045	3.656746	3.475033	3.8511785	3.218604
NLGN3	5.567332	6.2149565	5.356285	5.4163045	5.452864	5.340585	5.3431625	5.2725575	5.295485	5.262824	5.2743095	5.2143425
ZNF302	7.595915	6.909891	6.770031	6.283879	7.623591	5.698487	7.239699	7.490048	6.643022	8.375729	6.780972	8.322599
ARHGEF1	6.2570205	6.209103	5.9741175	6.0597505	6.0597755	5.8342605	5.9156645	5.804412	5.827446	6.2894925	6.086331	6.240574
DOK1	7.590016	7.44847	7.883364	7.70698	5.7245665	5.717498	5.7871625	5.764693	8.230197	6.238703	6.4301275	5.5608785

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
CST7	4.35738	4.547882	4.339602	4.658424	4.729831	4.595495	4.287635	4.773357	4.63153	4.624828	5.100153	4.396999
FRK	3.2147735	3.0528545	3.1005765	3.3211365	4.257333	5.53807	5.3915555	4.306398	3.9862565	5.581091	4.6186555	6.315834
TAOK1	7.999077	7.009367	7.22466	6.5383125	6.9690435	6.856874	6.588831	6.841158	6.567577	6.855244	6.243853	7.521044
RAB5B	8.087093	8.67666	8.448378	8.656699	8.180526	8.549488	7.734217	7.974065	8.137394	8.297245	8.092689	8.432549
PDIA4	9.1010095	9.251253	8.901723	9.6052245	9.482126	9.698144	9.7768755	9.451034	8.3063325	9.860661	8.758965	9.777619
ESPL1	7.8717565	7.5544515	7.304999	7.286898	7.207727	6.3685895	7.950209	6.863448	5.981687	7.053717	7.0391955	7.099028
PTGER4	4.251013	4.302387	4.5164705	5.4221155	5.991584	6.642813	6.4955625	5.9638685	7.7057165	7.1350215	5.867575	6.3808025
PAQR6	5.410849	5.644015	5.639012	5.687007	5.43889	5.557647	5.187045	5.651378	6.005676	5.690989	5.997396	5.791876
N4BP2	5.6978255	5.0475435	5.8565165	5.67804	5.8470225	5.459379	6.254311	5.638561	5.3934105	6.1670695	4.428143	6.790694
CEMP1	4.298411	4.776978	4.335566	3.871685	4.284308	4.242666	4.673827	4.294264	4.119099	3.998702	4.354904	4.025937
PTGDR	3.196073	3.308084	3.022417	3.217149	3.038797	3.01142	3.218182	3.249715	3.398691	2.609138	3.088072	3.142776
CDCP1	6.33704	7.428999	6.187002	5.337365	4.914141	4.665244	4.842159	4.736417	4.853801	4.6992	4.603019	4.065387
ABCF1	8.847598	8.537767	9.13545	9.30591	9.017797	10.07216	9.287072	9.23186	9.21117	9.463642	9.551227	9.480381
SNX11	7.619955	7.4777395	7.819553	7.858834	7.875428	7.994265	7.7406415	7.793157	8.470531	7.4230945	8.260966	7.38095
CCNT1	7.6124115	6.973329	6.828331	7.4343075	7.834172	8.1622895	8.111843	7.864512	7.717189	8.003057	7.9529475	8.2282215
LIF	7.853574	6.547909	6.399032	6.364625	5.683345	6.030908	5.828686	5.843395	10.39169	6.136863	6.413006	6.838251
ZMYND12	3.542692	3.404962	3.771608	3.635548	3.234288	3.818638	3.287343	3.467361	3.423291	2.859426	3.85451	3.08036
IFT57	7.786836	7.289664	7.62144	7.698274	7.555976	8.019248	7.591954	7.494723	7.462177	6.06257	7.402623	5.609368
ARRDC1	5.1038735	5.107084	5.317711	5.0343075	4.935112	5.7032515	5.276503	5.309632	5.085571	5.2134445	5.5532155	5.1702515
KCTD5	6.742035	7.471819	6.688123	6.454122	7.516517	8.756232	7.649409	7.463752	7.975444	6.110224	8.571703	5.797428
TBX10	4.395343	4.6762525	4.4290685	4.5212525	4.529991	4.2682165	4.4159875	4.4998895	4.498443	4.14268	4.7954905	4.307194
ZNF205	5.569527	5.585323	5.268652	5.055469	4.592451	5.112773	5.018672	4.68313	5.408615	5.225101	5.13062	5.462483
POLR1B	6.607977	6.1260935	6.6164175	6.6764655	7.071	8.39193	7.5572185	6.932314	7.0835235	7.571966	7.943124	8.056986
CDS1	3.836318	3.7118895	3.9066475	3.6417715	4.0113205	4.091001	4.0243445	3.9621885	4.196589	4.424301	4.0014975	4.3944245
SLC2A4RG	6.0318635	6.846935	6.1750845	6.279503	6.1034715	5.4710805	5.5657445	5.840417	5.716079	5.7107645	6.213821	5.495015
CAMK2A	4.935044	4.884509	4.929745	4.8075415	4.860597	4.752361	4.881246	4.8291245	4.8750885	4.817506	5.0671725	4.4794505
PEX11A	6.14371	6.104959	6.447991	6.041643	5.9899045	5.701274	5.893448	5.9969325	6.180144	6.175829	6.0087965	5.968898
EDEM3	8.433469	7.722455	7.988009	8.204979	8.498429	9.924646	9.281875	8.514055	7.158122	7.926484	8.551388	8.192309
GLI2	6.23408	6.39455	6.239256	5.919466	5.089209	4.374493	5.0715	4.882776	5.271419	4.565148	5.562635	4.683507
SLC1A7	3.97758	4.338571	4.210986	4.38614	4.876269	5.059334	4.132605	5.036891	4.28087	4.344834	4.708616	4.145924

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
TAS2R9	3.057295	2.843583	3.258615	3.353107	3.299024	3.279193	3.29314	3.111189	3.457766	3.289027	3.562307	3.038497
RBM24	6.909338	6.290015	6.788174	8.321926	4.108082	4.429207	6.147293	5.174839	7.384422	5.897111	3.594192	5.040024
H1F0	8.140333	8.366465	8.610717	8.895288	8.579377	7.974414	9.38228	8.473494	10.1757	10.03222	8.964494	9.339755
HLA-DMB	5.577711	5.632092	5.431168	5.556961	5.818174	5.682123	5.682754	5.607414	5.027377	5.562303	5.289956	5.344405
BARHL1	5.998154	6.482469	6.216861	6.026657	6.180694	5.918548	6.086759	6.222985	5.896655	5.689695	5.899764	5.767165
PDE6H	2.389213	2.655833	2.524907	2.489103	2.493954	2.723215	2.362484	2.534435	2.483182	2.474343	2.499875	2.55856
RHOH	3.9554	4.0147865	3.897178	3.941678	3.9661875	3.887679	3.9895615	4.030237	3.906191	4.079805	4.0197615	4.0609235
MRPL27	9.724656	9.4576	9.258402	10.01843	10.395	10.55475	10.53351	10.34283	9.884504	9.616029	10.36996	9.542616
FBXL5	8.5276725	8.7672765	8.964274	8.8989075	8.375448	7.8158495	8.2129525	8.2776425	9.2933755	8.5099885	8.134835	8.304012
RHAG	4.481469	4.594391	4.635113	4.365145	4.734168	4.611053	4.764668	4.663318	4.435451	4.543132	4.707743	4.344297
ZFAND6	7.4685895	6.729465	7.08485	7.129044	7.7984435	7.8495655	8.301637	8.140068	7.742649	9.758814	8.484339	9.954981
TTLL12	8.1554835	8.1666535	7.972913	8.162644	8.459419	8.888503	8.9616815	8.342908	7.548162	8.4521545	8.3263085	8.5167935
ANKRD50	6.547026	6.030288	6.422838	6.600706	6.791161	6.205123	7.129998	6.603624	6.574341	6.980776	4.208216	7.026983
ABHD14A	7.017179	7.375969	7.184165	7.518324	7.270848	7.896288	6.339847	7.265618	7.51061	7.51562	7.520789	7.377142
AVPR1B	6.048749	6.476944	6.129372	6.250814	5.875707	6.228927	6.059502	6.137089	6.151888	6.065205	6.204131	5.733396
NDUFB2	10.19464	9.865848	9.475382	10.28053	10.67706	10.96319	10.63265	10.68756	10.24124	10.1358	10.4613	10.21149
SLFN11	8.924425	8.946662	8.942513	9.008468	5.746582	3.732412	4.638076	5.511662	6.918941	4.252431	4.016892	5.364228
PGD	5.405252	5.582603	5.511625	5.557676	5.386803	5.197983	5.296561	5.266612	5.389597	4.910285	5.277065	5.109032
WWC3	7.6509295	7.2906145	7.8105365	7.875337	8.091549	8.3405245	8.1214385	7.892217	8.5618195	9.3579435	8.8070095	9.0881325
C1QB	3.353221	3.852149	3.48061	4.123848	3.537463	3.545049	3.929606	3.552319	3.479339	3.119787	3.284163	3.378503
FOLR3	5.253173	5.46208	4.976736	5.585464	4.788367	7.412488	6.572391	4.742757	4.531292	6.476927	10.67776	6.617214
OLR1	2.69763	2.817093	2.608339	2.783282	2.923312	3.448516	2.588063	2.800152	6.69478	2.836066	2.814781	2.694869
FOS	6.661537	6.79967	5.974004	5.910892	5.893996	3.972376	4.343625	5.699193	10.10741	5.843396	5.704634	4.263902
WDR70	7.609605	7.92054	8.303099	8.2671	6.776828	8.318693	7.379656	6.267013	8.712466	8.347808	8.285264	8.297059
RBM11	2.63956	2.458924	2.296967	2.580903	2.414524	2.17055	2.358838	2.224235	2.568099	3.265442	2.297398	2.63956
ZSWIM1	5.576189	5.737461	5.4121515	5.4441095	5.6646655	5.6560265	5.8114225	5.700409	5.5508305	5.4408725	5.842483	5.4430085
CCNG2	9.076529	8.846392	9.009464	8.57074	9.473814	7.235225	7.951983	9.282576	8.472159	8.615634	7.905436	7.555207
CAMK2G	5.7033785	6.2762285	6.134791	6.076923	5.5928365	5.3819895	5.455904	5.574153	5.4772825	5.8243275	5.3629295	5.773524
TSEN2	6.078499	5.5877865	5.845153	5.9344735	6.666696	7.412939	6.839922	6.734778	6.3705255	6.6003345	7.25881	6.8605355
NAV1	8.9577705	8.7238185	8.6166175	8.2918385	7.162395	7.4080535	7.579808	7.29674	6.135307	7.2996585	7.5597185	7.829518

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
PURA	7.519441	7.8999415	7.6181535	7.527313	6.817391	7.415311	7.2136615	6.801332	7.8850275	7.6272775	7.3552235	7.6178455
LRIG2	4.5862545	4.7112985	4.74639	4.6036785	4.715873	5.235418	4.891056	4.609584	5.1337355	4.688078	4.933375	4.6394485
MTMR12	7.003895	7.082034	7.4706035	7.339479	6.7246045	7.195501	7.296108	6.5517675	6.7565065	6.772094	6.6812185	6.6599135
DALRD3	7.0265505	7.1670615	7.1598915	6.9981765	6.1198865	5.4419335	5.8382415	6.277805	6.5673775	6.0970275	6.254793	6.56515
TMC8	4.391852	4.686394	4.257945	4.479806	4.49018	4.461802	4.242681	4.476634	4.497953	4.336	4.560368	4.294103
HIST1H2AK	3.5581035	3.4313105	3.6667195	3.5959075	4.2451525	4.1473505	4.1366965	4.2838855	4.1791765	4.0943485	4.1647345	4.0491185
DIP2C	8.50267	8.648705	8.502251	7.913902	7.130151	6.744946	7.069348	6.969248	8.151988	8.009598	7.81948	8.520503
ATG7	6.779334	6.5398795	6.9240045	6.737424	6.683594	7.036268	6.4595925	6.662094	7.322797	6.5203055	7.7151555	6.6283055
TEK	5.5210735	5.838718	5.4998225	5.647901	4.6468385	6.4576195	5.3627985	4.7438535	4.5591865	4.048079	6.198294	4.4412815
FZD5	3.772835	4.2051635	4.2319675	4.225454	7.3674165	7.2669135	8.0855445	7.1048765	5.329166	7.934236	6.2923955	8.6269645
SIPA1L3	5.3115195	5.8309495	4.978518	5.1073135	5.305151	5.5482185	5.0244175	5.3672325	5.6156255	5.1101895	5.8074565	5.129567
NMB	6.876485	7.310148	7.090394	7.135415	7.547081	7.739673	8.533425	7.587124	8.129389	7.341158	7.594044	7.248523
PACSIN2	8.374422	8.634003	8.31193	8.306066	7.931456	8.40515	8.275349	7.870242	8.294621	7.016699	8.039197	6.431847
CUL5	7.351344	7.1236135	7.183164	7.5063035	7.469422	7.51859	7.4059205	7.4430745	7.2146905	7.200898	6.384593	7.169002
CLTCL1	5.795849	6.084948	6.741423	6.545072	5.544739	5.699908	5.34755	5.639194	7.166265	6.223823	6.428189	5.453438
HORMAD1	2.148945	2.218275	2.515233	2.323669	2.386553	2.505558	2.860359	2.681679	2.59698	2.420418	2.483398	2.466073
PRLHR	3.708829	3.812304	3.651839	3.630826	3.729053	3.638314	3.669527	3.534403	3.814566	3.503418	3.794482	3.520856
PEAR1	5.413778	4.912041	6.224465	7.851126	4.19398	6.540849	3.954235	4.064794	5.929998	3.618221	6.542843	3.680911
STX10	8.207755	8.592312	7.915878	8.198166	8.29015	7.687666	8.199924	8.202379	8.278255	8.217384	8.184736	7.850045
PLD1	3.905419	3.731837	4.267951	3.823934	4.810627	5.443151	4.0053	5.067317	4.905603	4.984211	4.041494	3.788548
SYT5	4.1522765	4.2501055	4.217353	3.9162575	4.0695325	3.849758	4.025101	4.031606	3.9342935	3.972227	3.9768685	3.699984
SPATA2	6.613231	6.5263705	6.622168	6.3875175	6.283996	6.9287685	6.1141105	5.9614895	6.5806995	5.9824555	6.465739	5.612966
SFXN1	6.900698	6.981794	7.436113	7.963377	8.202456	8.681695	8.789448	8.181892	7.508638	8.168279	7.853308	8.264606
HS3ST4	3.863364	4.397675	4.155537	4.114353	4.259272	4.018666	4.108843	4.077436	3.820374	7.455995	4.049026	4.630298
HDAC5	7.6875215	7.5710425	7.4268925	7.500747	6.9423705	5.9185005	6.2517525	7.0532745	6.564671	7.26363	6.90124	7.039967
IFI35	7.406277	7.340529	7.139596	7.642902	7.802572	5.847327	7.932936	7.727562	10.65099	7.680803	10.05121	7.788436
DGKQ	6.23183	5.9558095	6.6091695	6.364264	6.1368135	6.7148425	6.1853235	6.1293935	6.787563	6.3977595	6.7418175	6.254722
YIF1A	10.60479	10.57805	10.7495	10.637	9.896853	10.42743	10.30133	9.955041	9.982778	9.833416	10.21655	9.991405
DLEU1	7.338831	7.152511	7.12775	7.653358	9.44617	10.27321	9.857815	9.42719	7.773954	8.49088	8.928364	8.726954
SLC2A5	4.722625	4.6120405	4.799191	4.682592	4.647651	4.237681	4.361236	4.6157235	4.503028	4.40603	4.5542705	4.3913075

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
TRAM1	10.59605	10.87163	11.28604	10.64497	10.82412	10.11288	10.21449	10.80616	10.77483	8.720379	9.903728	8.393474
STX6	6.467603	7.170758	7.311993	7.196315	7.674567	8.26615	7.08392	7.606377	6.792666	6.787777	6.765974	6.545517
ZCCHC13	3.699273	3.844616	3.909888	3.766619	3.948529	3.920205	3.676057	3.866794	3.637588	3.564553	3.715242	3.677135
ZNF549	3.228895	3.696957	3.421073	3.265177	3.904303	4.011792	3.398535	3.817907	3.780458	3.001604	3.872978	3.152183
MS4A5	4.143813	4.142728	4.156223	4.223864	4.288518	4.077072	4.191038	4.390229	3.980458	3.613367	4.061075	3.760545
ITGA2	9.0071085	7.862179	7.68994	8.4673495	4.40034	6.2547645	4.370111	4.440194	6.779253	4.8503125	4.6779055	4.087435
MMP26	4.647141	4.852883	3.892408	4.228094	4.53948	4.184721	4.633204	4.5651	4.321153	5.491967	4.36857	5.884448
SLC2A12	4.190468	4.275653	4.3126565	4.537469	4.813902	4.8350325	4.755837	4.906949	5.175323	6.0031325	4.3918905	5.450305
NCR1	4.277384	5.122072	4.542659	5.083687	4.614383	4.812056	4.73078	5.034845	4.817181	4.792297	4.819632	4.382274
EPHA5	3.280765	3.42171	3.639506	3.081076	4.062447	2.914197	3.120243	4.911699	3.036634	2.94908	3.381429	3.146371
AP4B1	4.102704	4.267252	3.997082	3.875557	3.900519	4.421065	4.042148	3.984859	3.841274	4.247347	4.131047	4.08303
U2AF1L4	6.048606	6.125154	5.952739	5.849323	6.004502	5.162654	5.907933	5.886261	7.022872	5.839214	6.673244	5.599825
DCK	9.540871	9.526627	8.989223	9.512431	8.484197	8.184875	9.370734	8.13853	8.882481	8.045082	8.617123	7.959035
FMR1	8.8709965	8.3923465	8.6714135	8.659576	9.080232	8.495139	9.1472485	8.9666535	9.573189	9.108916	9.3567605	8.971817
DOK3	4.803333	4.918209	5.416639	4.9777215	5.1159635	5.9534955	5.1006945	5.0166035	5.5565595	4.8602645	5.9428765	5.0501895
NYX	5.001232	5.1516235	5.0395315	4.569652	4.640862	4.650853	4.5084355	4.535833	4.5876935	4.340346	4.668762	4.221045
POU2AF1	2.9530825	3.1044155	3.0823935	3.1021205	3.1750385	3.068258	3.1172735	3.0759845	3.061344	2.9505385	2.9856215	3.0013225
SEMA4D	4.5558425	4.503508	4.4333705	4.3035685	4.225117	4.123363	5.0219885	4.101036	4.3710595	5.0360095	4.4642385	4.7036325
LMBRD2	4.618305	4.236866	4.835459	4.998528	5.650503	5.46078	5.704302	5.816864	5.386014	3.891757	4.710293	3.900728
EMD	7.965225	8.19392	8.166911	8.573915	8.626483	8.40878	8.852314	8.853309	8.36705	8.19796	8.205043	8.584597
COPS7A	9.109365	9.453568	8.925997	9.274763	9.172082	9.430731	9.142916	9.158533	9.154794	8.941089	9.645057	8.926781
SOX2	4.2539605	4.501037	4.30808	4.210756	4.1718885	4.10952	3.9745085	4.312867	4.190687	5.497945	3.9933725	4.0543265
MOXD1	10.25736	10.41277	10.64011	11.3107	4.396841	8.809318	4.295706	4.170072	7.124583	4.479195	8.924036	4.56559
MBOAT2	8.6749835	9.4440565	9.2851175	9.0927445	6.0733435	7.983209	5.0036655	5.6624525	7.3583145	5.9116145	6.627999	5.9844905
TERT	4.503855	4.6891375	4.236972	4.2762735	4.1585265	4.1510775	4.564082	4.3191145	4.041129	4.3085895	4.3033855	4.138294
LZTS1	4.035437	4.464362	4.275802	4.246171	4.142925	4.121592	4.377147	4.209913	4.427282	3.95006	4.326164	4.082216
ATPAF1	7.605272	7.530454	7.977886	7.8934765	8.308904	8.6988385	9.141241	8.3844235	7.845288	8.732756	8.572644	8.7614345
KIF4A	8.063893	7.525458	7.50553	8.062548	7.733356	3.87269	8.195737	7.303018	4.774836	7.805027	6.015711	7.373952
CREBBP	6.1119525	6.0548465	6.2524575	5.794879	6.4368695	6.5425685	6.3755545	6.1800015	6.5147725	6.3255205	6.1811625	6.1869765
NCOA7	5.238274	5.374479	5.321968	5.353282	5.627175	5.602438	5.577483	5.483364	5.68754	5.611609	5.796995	5.30117

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
AMPD1	3.935996	4.19629	4.069794	4.03815	4.161547	4.011412	4.216139	4.205047	3.950642	4.120794	4.248465	3.765791
LY6D	4.754148	5.180964	4.883394	4.589505	5.689226	5.735563	5.030138	5.843396	3.990898	4.468544	5.162616	4.304705
PROS1	8.744869	8.329473	8.203399	8.076211	7.860884	6.648655	5.14518	7.946341	9.129627	6.216685	7.801067	7.113657
THAP4	8.4625835	8.579226	8.620948	8.5660765	8.3686055	8.7779855	8.5800685	8.283017	7.6986715	8.361742	8.8248615	8.476028
BRAF	5.4411705	5.2983245	5.613439	5.565407	5.7276485	5.3423115	5.6256815	5.777288	5.924252	6.040582	5.746487	6.143749
MDFI	4.497001	4.67555	4.489782	4.110472	4.369993	4.166104	4.411699	4.245505	4.903381	4.899794	4.49594	4.194587
WDR31	4.469096	4.495739	4.833257	4.26654	3.977408	3.946393	3.871715	4.011784	4.541196	4.425937	4.746006	4.262002
CCPG1	6.421458	5.607667	6.93172	7.129427	7.568588	8.152042	6.619954	7.993246	8.547359	6.642587	7.166825	6.951309
SMAD7	8.279219	8.589451	8.115088	7.603168	8.117336	7.328187	5.471025	8.131817	8.835438	5.575553	8.081704	5.150626
IMP3	9.34374	9.136536	9.57007	9.588116	10.1031	9.896609	10.53451	10.04683	8.993332	9.315866	10.53821	9.480223
KIAA1324L	4.497033	4.6013675	6.586547	5.195408	4.6900025	4.305489	5.8102655	4.5557725	4.1821015	5.8753135	4.3129815	4.930364
E2F2	4.701822	4.826422	4.563296	4.769128	4.891132	4.663773	5.154037	4.662549	4.703543	4.959303	4.691711	4.652538
KIT	4.167707	4.656919	6.668883	5.184134	4.410344	3.649452	3.870555	4.047175	8.782179	5.21703	3.826092	4.704134
N4BP1	7.854538	7.8121595	8.0505635	7.9303155	7.534153	7.7504885	7.6519445	7.445831	8.3433165	7.298675	8.2100035	7.38986
SNAP91	2.991546	2.886474	3.196658	3.104627	2.922139	2.894288	2.696111	3.036594	5.158593	2.773352	2.925789	3.276845
REV1	6.574101	6.11151	6.887907	6.524613	6.8238335	6.1488955	6.3369025	6.682658	7.0930455	6.3996235	6.802755	6.812301
THUMPD1	8.2780175	8.003944	7.85961	8.227903	8.721681	9.0325295	8.848071	8.7440815	9.0304155	8.5301935	8.421803	8.4996945
CAPN7	7.9130075	7.7775475	8.325616	7.9516875	8.44616	9.0570145	8.5910105	8.471079	8.736151	8.1445785	8.833932	8.204273
THRSP	4.212676	3.874031	3.817557	4.028375	3.906208	4.164362	4.098248	3.797639	3.64097	3.812577	3.874031	3.886776
ACTN2	4.0585735	3.9165935	3.9934415	3.869039	4.0225155	3.8643745	4.1837795	4.1934075	4.796082	5.45485	4.049771	5.2192295
DNAJC16	6.511946	5.848322	6.581223	6.898754	7.493023	8.234331	7.384967	7.512767	7.493968	7.710144	7.829365	8.000039
CFI	3.528354	3.2430015	3.4529595	3.416979	3.6532185	3.4016815	3.3197135	3.507943	3.269076	3.28964	3.4313695	3.1825535
NSUN4	6.1961665	6.245081	6.419397	5.94883	6.755192	7.0571695	6.838023	6.62686	6.640983	6.4877365	6.982677	6.625237
EPHA6	2.7652625	2.5674915	3.0168265	2.6658585	3.1751035	2.616996	2.9858655	3.1820655	2.799249	3.7231585	2.9146245	3.1173085
MEIS3	7.1550215	7.501557	7.046015	6.289554	5.846439	5.605141	5.6838895	5.913212	6.246043	6.532742	6.1250735	6.4026485
ADORA2B	7.026669	7.730776	8.435011	7.523206	8.48826	11.13217	10.05116	8.589325	7.714817	8.348438	10.04686	8.686272
DPYSL2	10.93776	10.86052	11.39609	11.96053	11.5493	11.20357	11.65437	11.40691	11.68705	11.52438	11.38535	11.25863
PLSCR2	3.0449125	3.046265	3.3292085	2.9861145	3.0877895	2.810634	3.124361	2.9423865	3.346446	3.0110925	3.225293	2.893776
EPB41L3	9.510837	9.026424	9.55138	10.03877	6.690609	3.455291	3.192833	6.782184	7.502445	6.739312	6.108264	2.931471
GAL3ST2	5.847577	6.10378	6.081399	6.263657	6.095014	5.769617	5.893608	5.985919	5.846243	5.778186	6.089038	5.837101

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
UGT2B15	3.9771	3.926026	3.742914	4.068947	4.024821	3.693873	3.85025	3.970309	3.788309	3.642338	3.913295	3.917352
VSIG2	4.8244665	5.204404	4.7882945	4.85914	4.88396	4.967707	5.0117945	5.1088155	4.831473	4.616663	4.9266435	4.6173125
JUN	8.744287	8.2722925	7.4986905	8.7504915	7.536378	8.8152655	7.335739	7.6876545	8.808329	6.824336	8.721494	7.2178645
LRRC3B	2.81069	2.769298	2.859671	2.97704	2.981136	2.611761	2.840443	2.958522	2.817779	3.064053	2.815398	3.66899
MGA	5.880559	5.069106	5.360894	5.098913	6.352221	7.130998	7.01265	6.214072	6.474995	7.483606	7.162979	7.478614
NAP1L3	6.560829	5.695514	6.723943	7.603106	5.322297	3.393455	5.600574	5.509712	3.279681	9.274189	4.654126	6.557978
PBX3	8.607786	8.477375	8.060171	8.110088	8.234796	7.885606	7.429754	8.065263	7.862743	8.746779	8.772039	7.754875
DGKG	3.749109	3.696069	3.958749	3.976406	3.674931	3.9283775	3.657445	3.842637	3.7642255	3.5621015	3.6494395	3.71042
SGPP2	3.805996	3.845428	4.006394	4.292728	4.108083	4.111216	4.139326	4.413979	4.222281	4.037936	3.955066	3.853658
XPNPEP1	9.238929	9.252072	9.378615	8.907768	9.450006	9.019103	9.310786	9.535154	9.064517	9.242328	9.235465	8.81483
MEGF11	2.983152	3.00324	3.232703	3.185634	3.192382	3.123116	3.201814	3.496276	2.988047	4.102975	3.135285	3.099854
GSTM2	8.354496	8.211538	8.055282	8.715703	7.715314	6.496908	7.010293	7.493041	6.103579	6.974951	6.298371	7.080258
ASB16	6.8545	7.26449	6.862098	7.245347	6.68545	6.790803	6.643293	7.053464	6.893082	6.597504	6.85134	6.619106
PPIL4	8.854793	8.686106	8.762119	9.032759	8.923626	8.581967	8.494649	8.931975	8.955131	8.568098	8.656313	8.449306
ZNF582	5.726221	5.836176	5.779444	5.702876	6.65028	6.115474	6.096273	6.552114	6.13256	6.17744	6.414804	6.115474
PAX7	4.1909315	4.2842525	4.3577345	4.463295	4.3238485	4.2586385	4.2390775	4.409668	4.4371755	4.1868905	4.4539285	4.104021
TM9SF2	11.02822	11.04608	11.10078	11.20995	11.05492	11.03646	10.82789	11.03141	11.21655	10.53209	10.93567	10.48253
PLB1	4.408917	4.442474	4.2611935	4.321702	4.1547105	4.241083	4.1310705	4.363531	4.260977	4.1567455	4.3943545	4.237317
RFC5	7.866247	7.676799	7.735029	8.236174	7.86109	6.490437	8.658598	7.61031	7.534267	7.406326	7.111888	7.002913
SLCO6A1	3.518379	3.6137	3.156035	3.611299	3.290359	3.310771	3.096068	3.476236	3.733371	3.349545	3.090907	3.329221
TM7SF3	6.250552	5.933004	6.000226	6.610154	7.271009	9.265421	7.598671	7.174172	7.476851	7.713998	8.224804	6.675132
TPTE	2.399726	2.381633	2.830045	2.685626	2.145249	2.42128	2.236289	2.585736	2.179928	2.445915	2.436024	2.214151
ANKRD44	3.790979	3.536807	4.025694	4.119424	4.06409	4.139197	3.968338	4.326919	3.715832	3.904223	3.101645	4.020203
PRKAR2A	9.488103	9.428848	9.570247	9.65916	9.283061	9.675529	9.487038	9.278643	8.401186	9.342923	8.933239	9.54393
CHMP4B	9.290502	8.69514	8.61059	8.954066	9.3793525	9.786625	9.4802585	9.395566	10.0465945	7.801767	9.2859985	7.565886
SLC35C2	7.358541	7.382277	7.333413	7.293126	7.420129	7.330915	7.196126	7.381591	7.793214	7.402039	7.921474	7.142612
TBCE	8.2318395	8.041505	8.0504765	8.502958	8.500012	8.1740715	8.3225995	8.3629715	8.237886	7.9427585	8.148633	8.10144
IQGAP2	3.2916935	3.4790015	3.032359	3.4329735	6.671894	5.0295805	5.6502745	6.669973	3.2254775	6.2164155	4.0316415	6.3687855
BNIP3L	11.551555	11.73141	11.793045	11.616875	10.26358	9.683401	9.5963255	10.29814	11.262885	10.138245	9.737142	9.952408
HSPB9	3.881089	4.288773	3.586831	3.838109	3.5027	3.565093	3.394676	3.12771	3.383751	3.198526	3.379229	3.18988

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
SLC22A8	4.9208305	5.066133	5.17325	4.75763	4.872538	4.768586	5.148705	4.976838	5.1227845	4.7784315	4.7463225	4.561123
COX10	7.667579	7.712848	7.798535	7.592888	7.632347	8.183543	8.321215	7.657101	7.768854	7.78738	8.141434	7.860017
DTWD1	8.606047	8.693889	8.724797	7.362153	6.138716	4.783297	6.508576	6.274511	5.524396	6.818973	6.393256	6.608768
TMTC3	8.739655	7.541095	7.85089	8.798952	8.459026	9.122313	8.456116	8.660145	8.755684	8.508038	6.712525	8.393813
TRIB2	6.061473	6.908623	7.627668	7.2835115	8.204334	7.455123	8.103023	8.0109785	7.2716595	8.802017	8.1061415	8.7930375
CACNA1F	4.654964	4.925792	4.574214	4.898906	4.67329	4.166556	4.659308	4.604961	4.558214	4.375584	4.716802	4.275561
CBY1	6.116071	6.2325555	6.1475155	6.1456055	6.179955	6.2704445	5.6167365	5.839733	5.8135945	5.829031	6.0825145	5.5247215
ARFGEF1	8.2196605	8.1117505	8.2943865	8.146873	7.2571865	8.0698515	7.4548085	7.2724635	7.8141985	7.6340655	7.062226	7.492389
KREMEN1	4.771649	5.520073	4.655923	4.259643	4.167611	3.791448	6.613688	4.155917	4.032469	5.461517	4.059998	3.849964
LEFTY1	3.863364	3.838155	3.892787	3.713876	3.81054	3.599154	3.690246	3.727414	3.469349	3.39115	3.451536	3.712817
PDZD11	10.07993	9.844768	9.696665	10.13593	9.822702	9.193214	9.661685	9.992808	9.326869	9.804667	9.658512	9.822928
SSH2	3.3358265	3.3288945	3.324606	3.8272815	3.8709815	4.081443	4.2970175	3.8827595	3.4631895	3.299119	3.8014825	3.4634575
PARD3B	3.712403	4.145671	4.460465	4.032853	4.455728	4.964478	5.152865	4.669254	4.348082	4.241339	4.025226	4.536095
PSMD14	10.75618	10.12849	10.41146	10.74644	10.78256	11.01527	11.28255	10.77898	11.11683	10.7847	10.94111	10.875
OLFML1	6.026931	4.77195	4.872615	5.930133	5.500983	7.489178	5.890874	5.311262	4.863797	8.148037	7.06663	9.53723
LRP5	5.366127	5.7555835	5.424339	5.3944405	5.4004825	5.7716935	5.9120995	5.283601	5.2710825	5.8535845	5.3196775	5.722043
CCDC66	5.043569	4.1960655	4.8740015	4.619409	5.061999	4.8783735	5.0671735	4.8454145	5.19063	5.207997	4.8501765	5.397914
SLC16A2	8.815188	8.531352	8.991313	8.791599	7.626473	7.322869	7.161057	7.724664	6.712362	7.498875	5.791036	7.444446
ZSCAN4	2.896359	3.3611315	3.192631	2.964236	3.0037465	2.8585525	2.8317365	2.921938	3.0181115	2.8528095	3.026837	2.8208455
DNAJC18	5.880745	5.921305	6.736963	6.154671	5.458103	5.383142	5.206656	5.392206	6.251725	5.9241	5.506066	6.108156
ZNF536	6.544318	4.926173	5.425249	5.689412	8.456112	6.184578	6.75159	8.559219	4.873431	8.227265	4.993035	7.822624
OPRK1	3.6379725	3.555307	3.5675435	3.5368205	3.6229915	3.434001	3.4077595	3.607842	3.371669	3.416464	3.461534	3.5365715
MIB2	5.837026	5.835686	5.860634	5.788687	5.789163	5.247578	5.606514	5.36309	5.582491	5.34657	5.296955	5.153336
CCDC38	3.866169	4.149724	3.452826	3.821795	3.910569	3.853937	3.630157	4.073677	3.868196	3.735934	3.9124	3.319334
BTBD9	4.987646	4.727694	4.885	4.7931405	4.9118125	5.1085015	4.4263385	4.841445	4.8411025	4.550338	5.0044475	4.617077
ADAMTS4	5.602451	5.899364	5.912886	6.0499	6.184619	6.008128	6.056903	6.120317	5.884281	5.943673	6.08125	5.984137
BCL3	6.885781	7.2162285	6.164405	6.3820595	5.5989	5.7787395	5.304709	5.563095	5.388703	5.481985	5.522362	5.3240395
ANXA9	3.9070725	3.9766085	3.8411925	3.9580435	3.92189	4.5639175	3.8224725	4.159646	3.8780495	3.415971	3.916888	3.6445705
LGALS3BP	7.833011	7.341079	7.03198	8.475634	8.703728	6.921838	8.807024	8.749928	11.4925	10.23867	10.38948	9.033285
TNFAIP3	7.0032155	7.031588	7.1530265	7.4856475	4.560975	4.7452745	4.9560535	4.724026	8.243349	6.016883	8.715873	6.015239

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
RAB2B	8.426174	8.167653	8.200646	7.936382	8.6598	8.029962	8.116748	8.607256	9.700829	9.023586	8.706498	8.901588
EIF5	9.920576	10.14575	10.35929	10.21517	10.3587	10.32994	10.85818	10.2867	10.05467	9.71028	10.37514	9.465443
SIGLEC9	4.395758	4.939331	4.333478	4.68132	4.079235	4.41698	4.236457	4.244129	4.41185	4.350611	4.632975	4.186852
BIRC2	11.06191	10.37576	10.59517	10.71417	9.873813	9.578844	9.440013	10.02104	10.83807	9.710123	9.479162	9.737552
OGDHL	5.573551	5.881593	5.493666	5.806478	6.882157	6.370864	7.732434	6.969748	5.715144	9.78648	6.538498	10.08985
METRNL	10.51309	10.88933	11.18632	10.06661	8.518483	9.648777	8.783494	8.725222	9.269486	8.708975	9.669367	9.190647
PANX2	4.900252	5.194971	5.002405	4.890575	4.977843	4.727588	4.923618	4.85005	5.440586	5.003634	5.033588	4.937495
PROM1	2.558659	2.796289	2.402142	2.630176	2.912151	2.659724	2.777478	2.827325	2.659724	6.45536	2.943592	3.637213
DDX1	11.09473	10.56648	10.7401	11.10048	11.26629	11.50931	11.54862	11.20689	10.68393	10.92935	10.81025	11.16131
NFIB	5.876514	6.672086	6.087702	6.471257	7.953032	7.464967	7.843055	7.868821	7.907005	8.421315	5.4843	8.205782
ZXDB	5.525012	5.727496	5.460227	5.462041	5.113367	6.763114	5.565905	5.252081	5.898967	5.1513445	6.204891	5.116741
LDHAL6A	3.231844	3.252069	3.071198	3.161588	3.103969	3.0351	3.418985	3.121875	2.986694	2.825327	2.905641	3.239701
SYPL2	5.037123	5.204978	5.097923	5.370402	5.149846	4.670234	4.917245	5.507219	4.653022	4.910285	5.117284	4.749034
PRNT	3.34365	3.490439	3.290051	3.753009	3.530208	3.543632	3.491936	3.684775	3.519506	3.400707	3.860636	3.069022
HIST1H1A	4.235747	4.688397	4.289917	4.227475	4.391695	4.309645	6.190861	4.323683	4.34193	4.978385	4.3033	4.455338
SLC23A2	4.5370175	4.6435715	4.6566455	4.792861	4.6481785	4.982496	4.552117	4.7125855	5.204401	4.629009	5.044822	4.629281
GBA3	3.4837545	3.532624	3.573098	3.419202	3.5870295	3.8412495	3.721056	3.4207925	3.414158	3.397892	3.6581625	3.339497
PPP1R14C	7.701409	7.717621	6.082266	8.329224	9.879877	8.853683	9.595139	9.768576	6.666037	11.85505	10.74699	9.956554
ZNF354C	5.594945	5.7834995	5.48984	5.3729135	5.763781	5.021058	5.422796	5.621627	5.6546765	5.5281855	5.1811115	5.3517885
SF3B3	7.9067795	7.7673455	7.753007	7.858751	8.0493785	8.1696115	8.226769	8.0004465	7.8119385	8.3094535	8.470438	8.483209
IL27RA	5.237994	5.913269	4.971418	5.627232	5.870363	5.764772	5.034334	5.670643	5.946415	6.509112	5.432295	5.184186
CLEC5A	2.692453	2.823651	2.575645	2.881266	2.972684	3.121941	3.020531	2.691596	3.020531	3.017697	2.754008	2.81612
KSR1	5.0472535	5.5035405	5.0387165	4.978813	4.798441	4.79206	5.112285	5.006157	4.996717	4.766674	4.9654535	4.7175865
SOD3	5.462391	5.78301	5.705742	5.4633	5.180353	5.183092	4.903961	5.058424	5.014301	4.941486	5.637195	5.111191
CTSK	11.04618	10.87685	10.35861	10.56997	11.34467	8.950894	10.59468	11.25673	7.694898	10.62855	10.68332	10.53945
RIC8B	6.4770855	6.1351285	6.3570035	6.426254	6.0716365	6.25724	6.2237365	6.2157355	6.3963955	6.340884	6.4632475	6.2420925
ACTR8	7.3349665	6.690293	6.9441455	7.4550095	7.0304545	7.2896895	6.809867	7.050022	7.3729405	6.750376	7.46391	6.7089525
HTRA1	11.98224	12.37031	11.42998	11.34188	11.1581	8.491644	7.899672	10.9441	9.765659	10.89381	10.1618	10.82407
XPC	9.46582	9.448288	9.653322	8.682382	9.449725	8.964817	9.135919	9.554072	8.529001	9.355216	10.03609	8.833706
ZNF317	6.946126	6.9366755	7.122419	6.600529	7.401042	7.915726	7.306248	7.349465	6.691304	6.5476155	7.0217455	6.373091

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
MSRA	5.880657	5.9397925	5.911	5.906804	5.90744	5.9142215	5.802796	6.01205	6.0227295	5.821157	5.977403	5.873667
SCAP	7.806623	7.885955	8.342209	8.252942	8.228246	8.778425	8.541545	8.12463	8.040746	8.836555	8.149332	9.058146
RREB1	4.691481	5.045092	4.583268	4.826804	4.273816	4.248225	4.432447	4.175482	3.954588	4.581409	4.005637	4.531769
RTP3	4.560278	4.7957345	4.7127385	4.903294	5.0533015	4.779957	4.601197	5.1538715	4.8444675	4.2920245	4.734038	4.47999
ALX4	4.676612	5.168212	4.714085	4.709888	4.716648	4.691063	4.778639	4.443529	4.766955	4.754802	4.902635	4.52327
STYXL1	8.047046	8.03511	8.251017	8.2792	8.585727	8.607805	8.355065	8.486455	8.04796	8.083664	9.254987	8.301317
CSPG5	4.15763	4.3437645	4.1774635	4.0372855	5.0164085	5.0912325	5.086911	5.2956725	4.529326	4.840442	5.3750795	5.039073
ETNK2	5.203688	5.924365	5.617559	5.388972	5.504325	4.86367	5.066979	5.219261	5.406812	5.893975	5.085875	5.335242
ALKBH2	7.049397	7.175227	7.100202	7.108132	7.533433	7.325103	7.959035	7.312864	7.42766	7.773684	8.049482	8.155375
PFAS	8.157551	7.708262	7.656998	8.073228	8.730083	9.234455	9.78961	8.676222	8.572383	9.196807	9.345723	9.399099
KLRF1	3.156134	2.73892	3.378278	2.960249	3.46054	3.398107	4.183585	3.507605	4.172438	5.876515	3.022331	4.800469
METTL5	7.5398225	7.0184215	7.031978	7.2738755	7.7538825	8.0936605	7.9828175	7.936539	7.628457	7.6673505	7.81017	7.8223415
ITIH4	4.326719	4.4562815	4.0695785	4.123385	4.0814235	4.1878185	3.923557	4.1857815	4.476999	4.166684	4.1782805	3.9789595
ZSWIM4	3.328998	3.536438	3.510756	3.536588	3.987012	3.576374	3.688473	3.70383	3.661267	3.470368	3.870906	3.600269
DNAJA2	8.8359175	8.59211	9.052588	9.2729205	9.5852515	10.2056695	10.0755565	9.598171	9.5230505	9.260716	10.140139	9.32626
UEVLD	7.903285	7.430192	7.598962	7.4063135	8.1769565	8.452533	8.387718	8.140973	7.768496	6.708243	7.2133765	6.5816795
MYH6	3.061123	3.601576	2.994266	3.345037	3.30372	3.409303	3.125218	3.357676	2.957485	3.129422	3.275947	3.141471
RAMP3	5.443882	5.528878	5.587621	5.113192	5.434733	4.901148	5.228315	5.330726	5.05266	4.998208	4.929749	5.218226
NEU2	4.541064	3.952058	4.089712	4.17069	4.046497	4.121212	4.327825	3.928842	3.947273	4.099792	3.968907	3.737448
RAB9B	5.075178	5.210745	5.403884	5.304046	4.932098	4.443221	4.870356	4.634065	6.426304	4.984264	4.220178	4.601683
HR	5.981141	5.996753	5.943151	5.946141	6.030776	5.898094	5.953916	5.967411	5.886486	5.631266	6.054609	5.237242
LOC541473	4.636049	5.200701	4.862096	4.674162	4.458706	4.34795	4.37324	4.345787	4.480473	4.335886	4.635694	4.047756
SLC25A12	6.9138525	5.964438	6.246713	7.0223235	7.6853495	7.2258105	7.735245	7.569963	7.9125985	7.8110885	7.4878655	7.756091
HLA-DMA	6.910818	5.888311	5.254918	7.3771	5.86873	7.740491	5.612292	6.022364	6.329419	4.76723	6.231877	4.910721
TNPO3	8.718468	8.513161	8.242985	8.460875	8.929203	9.2201	8.878225	8.855846	8.495932	8.294621	8.621059	8.520617
CASC3	8.85673	8.853421	8.686382	8.919856	8.565714	8.048862	8.80065	8.303209	8.036915	9.009521	8.740505	8.938018
TNFRSF10C	4.5455945	4.672205	4.309078	4.7012825	5.695707	7.2375735	5.406721	5.995271	4.106771	4.6636085	5.625096	5.100775
SLC35A4	8.776432	8.624475	8.419419	8.478952	8.701708	8.650608	9.082039	8.570091	8.481655	8.450871	8.422053	8.194651
SMYD3	9.201755	10.17853	9.388644	9.712722	8.638887	7.693132	7.913902	8.632629	10.07088	8.192101	8.135836	8.314643
CD63	13.07748	12.94246	13.03111	13.36034	12.5875	12.15436	12.07682	12.60591	13.29074	12.97424	12.44909	12.59725

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
CYP4Z1	2.713012	3.063545	3.050494	2.850263	2.977428	6.139909	8.924267	3.045922	2.751632	8.91523	2.622508	9.150129
LRRC39	3.5120345	3.486744	3.513879	3.415951	3.8482325	3.565104	3.516409	3.7288645	3.5346095	4.303016	3.7466195	4.2136215
ZNF211	7.34059	6.737356	7.013088	6.837863	7.475847	7.196242	7.583536	7.569504	6.861902	8.060986	7.448282	7.965152
SERPIND1	3.327053	3.357007	3.27873	3.448664	3.158215	3.286962	3.154217	3.018945	3.510039	2.97146	3.161779	2.821415
HTR2C	2.9706865	2.717093	2.78732	2.8357035	2.5480215	2.543908	2.638551	2.6672405	2.707015	2.6970475	2.8377725	2.641434
RNASEH1	9.24544	8.645184	8.914504	8.884947	8.501437	8.71095	8.750144	8.42031	8.733424	8.268907	8.675663	8.522654
PSMA4	10.64709	10.18394	10.41058	10.80563	11.63925	11.37727	11.61081	11.53959	11.76011	10.64801	11.43538	10.46798
HECTD3	7.460368	7.44678	7.149746	7.305301	6.758221	7.343828	7.139097	6.772216	6.335628	6.632995	6.038693	6.793871
ZNF70	6.555452	6.380171	6.3972715	6.610494	6.399315	6.711089	6.698406	6.4332145	6.880269	6.533363	7.024057	6.877012
DNHD1	3.9009485	4.063232	4.1796075	3.991622	3.9222365	3.9403965	4.1325495	3.894412	4.3283405	4.2218045	3.9333765	4.3308315
DCT	3.687541	3.8517735	3.805284	3.527235	3.8457275	3.547881	3.747075	3.8058135	3.75962	3.7773555	3.9906895	3.66554
RPL12	12.862575	12.979765	13.09655	13.008545	13.37239	13.167665	13.28532	13.328905	13.005645	13.439445	13.419335	13.60688
MAOA	3.061168	3.077435	3.255562	3.103364	2.838971	3.019966	3.005602	2.713581	3.307115	2.624249	3.108409	2.791705
MUC20	4.2075565	4.2454215	4.2087225	3.847868	3.856374	4.123636	3.792963	3.5186575	3.9882385	3.779468	4.0378245	4.0354435
DIRAS2	2.6316055	2.669262	2.671858	2.7044095	2.605576	2.537092	2.5146155	2.50316	4.4202485	2.656057	2.7753585	2.7092835
DLGAP3	5.936584	6.021606	5.977762	6.239078	6.058207	5.953919	5.717902	5.878639	5.905519	6.116673	6.051504	5.705726
PIK3R5	4.830764	5.414913	4.950937	4.898345	4.640501	4.785026	4.948321	4.728506	4.507453	4.344242	4.832274	4.826706
SP1	6.944084	7.380916	7.292909	6.761613	6.971384	6.9186355	7.162538	6.734175	6.827597	6.870704	6.7367525	6.625322
ZNF195	6.559692	6.49494	6.703066	6.301105	7.72181	8.239332	8.247927	7.912101	7.328524	8.443587	7.15515	8.321666
SLC27A4	6.554047	6.474926	6.806499	7.121249	7.048112	8.150988	7.282736	7.24398	6.744492	7.210068	7.237581	7.210068
CYP1A1	4.372431	5.002491	4.721446	5.051312	5.173998	5.118884	5.231105	5.200957	5.150977	4.910285	5.062078	4.876157
KCTD17	6.0534125	6.3952945	6.393098	6.39397	6.1531085	6.1515725	6.145545	6.231056	6.196792	6.0465575	6.3028795	6.008944
PRDX2	7.5393585	7.542371	7.655501	7.4667355	7.9282705	7.5498475	7.9843235	7.953868	7.0874395	8.3053805	7.832135	8.520201
ZNF571	4.514949	3.827646	3.948293	4.303032	4.84489	4.232928	3.387845	5.242539	5.86581	5.503693	4.843137	5.56674
MOGAT1	4.984097	5.234905	5.223817	5.338881	5.62956	5.326898	5.46922	5.374624	5.351327	5.156487	5.561847	5.424445
COBLL1	3.805446	3.980251	3.936955	4.2829735	4.474991	6.0784445	5.193985	4.5142665	4.415556	4.848906	4.430389	5.835213
FFAR2	4.115512	4.069105	4.131478	4.073454	4.47696	4.306837	4.465114	4.613563	4.102623	3.966664	4.379282	4.412792
CHCHD6	6.747585	7.05378	6.819117	6.92616	6.500904	7.193934	6.788675	6.476165	6.972998	7.426264	7.441314	7.28994
FANCC	3.673893	3.694587	3.584062	3.923967	3.942303	3.713333	3.619364	3.753646	3.923967	3.433494	3.710969	3.873288
ZNF236	5.807303	5.927855	6.007891	6.2867745	5.8727545	5.777392	5.944122	6.027056	6.6137335	6.348625	6.2062775	6.007507

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
KRTAP5-8	6.77587	7.001764	6.795401	6.926588	6.952285	6.6391	6.986099	7.092991	6.852543	6.548561	6.98208	6.591678
INGX	3.496839	3.694821	3.798977	3.570305	3.646444	3.888384	3.978562	3.801769	3.631266	3.557406	3.942213	3.683831
TRPV3	4.313542	4.504228	4.3145995	4.4050685	4.756015	4.434939	4.39642	4.6460595	4.231025	3.9115335	4.2827025	4.217998
IFIT2	4.593365	4.394217	4.9244715	6.0197005	7.5401645	5.905069	7.031006	7.2917865	10.92389	7.864785	9.301191	7.9310995
TFDP3	4.192421	4.477647	4.369503	4.266742	4.369645	4.256759	4.548817	4.637197	4.095985	3.829327	4.432368	3.943524
TTC16	4.297122	4.694939	4.516815	4.786421	4.328943	4.47997	4.691142	4.636277	4.127002	4.343917	4.693629	4.05688
B4GALT5	8.021001	8.240029	8.613201	8.2556205	8.9659895	9.650287	8.898619	8.7717885	9.2414615	8.7410065	9.028606	8.4680195
LRTM1	3.7024255	3.8613865	3.733402	3.8714315	3.9889845	3.842027	3.966497	3.9654355	3.845907	3.7086895	3.851889	4.118332
APOC1	6.006334	6.0522725	5.7136355	5.988452	7.024904	6.373035	7.547744	6.9590155	5.801555	6.0738215	5.5509115	6.666376
ADAMTS16	4.614177	4.801578	4.756094	5.004179	4.456272	4.765718	4.558975	4.649357	4.532214	4.377004	4.812506	3.994249
TSPY1	4.498126	4.906645	4.539016	4.634066	4.494471	4.416981	4.642072	4.729239	4.486579	4.594014	4.58993	4.616437
SNRPD3	10.50828	10.18972	10.50001	10.93185	11.68814	11.55599	11.78002	11.68023	10.69666	11.48849	11.33705	11.49646
SPSB2	5.302304	5.556625	5.198984	5.830167	6.594658	6.16362	6.797816	6.767079	6.030961	6.648071	7.039207	6.37826
PRELP	6.285281	5.809278	6.450218	5.785481	5.663989	7.62266	5.642035	5.488895	4.830216	4.162297	5.718114	5.430533
SMAD4	4.619981	4.193423	4.723186	4.267723	3.844258	3.529625	4.282203	4.115773	4.393867	5.950912	3.863363	6.577377
MEOX1	3.344822	3.803772	3.228214	3.031389	2.985913	2.909749	2.869652	3.044578	3.044602	2.638918	3.241152	2.787716
NSDHL	7.1124585	6.783577	7.2125985	7.465943	7.991662	8.3131425	8.0551335	8.003114	7.004837	7.0281735	7.8852825	6.930072
ZNF397	4.856655	4.171278	4.594827	4.263268	4.865561	4.344189	5.381646	5.041751	4.372005	5.264115	4.906908	5.47408
PPT1	9.732822	9.507422	9.340506	10.04803	10.68951	10.38323	10.76804	10.66702	10.82135	10.492	10.62746	10.21634
CCDC54	3.003935	3.001956	3.128691	3.120051	3.284265	3.055976	3.226173	3.305984	3.157347	2.818262	3.281377	3.171083
MAT1A	5.497221	5.789469	5.405093	5.465846	5.653456	5.700042	6.049139	5.510576	5.406567	4.759253	5.4193	5.088678
CDH15	5.2733725	5.5685005	5.3405865	5.198727	5.1382675	5.094694	5.186722	5.1958885	4.896853	4.92869	5.1297315	4.8025535
HLA-DRB6	3.720916	3.928784	3.884831	4.112499	3.455101	3.441052	3.726258	3.562526	3.655411	3.52353	3.37069	3.335287
ALOX5AP	5.393984	5.55673	5.360893	5.544159	5.847577	5.25669	5.311664	5.630622	5.991156	5.263376	6.383206	5.035024
STAU2	5.30005	5.206145	5.4603605	5.178644	6.2192035	5.914604	6.019842	6.4211445	6.6532535	6.330688	5.6353355	6.3830385
ABTB1	4.887426	5.803747	5.080338	5.084675	5.201227	4.758726	5.268395	5.213988	5.030651	4.815649	5.39241	4.692072
USHBP1	5.589715	5.917439	5.521551	4.865648	5.017715	4.904391	5.103478	4.781591	4.991608	4.813583	5.003915	4.828396
EFNA4	6.406556	6.363476	6.342429	6.629212	6.26125	6.009538	6.711357	6.075252	6.643387	7.382781	6.159953	6.448203
PBX2	6.0212995	6.4794375	6.1927115	6.394733	7.0113965	6.7965575	7.087533	6.688923	6.815476	6.216606	6.231238	6.3980075
TAC1	2.503778	2.479123	2.698465	2.534624	2.429348	2.714555	2.510581	2.459557	6.674245	2.374382	2.648057	2.386553

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
PHYHIPL	4.737499	4.454299	4.548674	5.012257	5.110579	4.843126	4.72417	5.141955	5.088866	4.963122	5.090429	4.753366
NMU	4.40521	4.205341	4.862604	4.074759	9.51994	8.813206	9.440954	9.271424	4.580073	8.93926	4.714161	9.032814
HABP2	4.775219	4.896914	4.829523	4.80276	4.758802	4.752309	4.915031	4.817984	4.754938	4.786343	4.784675	4.599654
MYT1L	2.809307	2.99459	3.0029455	2.939579	2.988962	3.028146	2.999104	2.9408925	2.964703	2.7619855	2.9924945	3.1188485
GLRX5	9.659327	9.3939	9.67149	9.833701	10.21108	10.89761	10.99406	10.13448	10.07088	10.06395	10.37291	10.4853
HMCN1	5.463357	5.120206	6.509482	4.96341	8.861477	5.975913	5.212345	8.943928	7.283413	6.5304	5.665357	7.546034
USP53	6.6522015	6.2158445	7.4714135	6.4633	5.638719	6.757091	6.032435	5.6375175	7.1340635	5.760825	6.242536	5.5162815
UNC93A	2.793002	2.890367	3.3899515	3.009139	2.949412	2.8083615	3.057733	2.846754	2.8936305	2.8100345	3.0142365	2.718815
HOXD13	4.554126	4.95085	4.920268	5.160228	4.648081	5.529019	4.245468	4.516465	4.192434	4.005081	5.04275	4.635454
CARD9	4.825883	4.626523	4.389735	4.660303	4.891314	4.909529	4.537426	4.771519	4.8922	4.444817	5.328843	4.308099
NEUROD6	4.853551	4.82488	4.932147	4.740817	4.616799	4.680261	4.670002	4.775349	4.536326	4.678717	4.507711	4.596736
ZNF559	7.617453	7.212223	7.163546	7.27403	6.006798	5.567644	5.720202	6.280156	8.119805	8.469642	6.556822	8.022047
SP4	5.2429745	5.309428	5.538198	5.3389755	5.2504665	4.6581525	5.631585	5.1958475	5.357164	5.679013	5.2771925	5.546405
BFAR	9.1801	8.931765	9.057749	9.308667	9.129132	9.841672	9.261365	9.058239	8.961376	8.869961	9.510943	9.379112
XRCC1	7.085122	6.921022	7.072255	6.752805	6.901021	5.843397	6.673424	6.7466	6.555865	6.772794	6.244486	7.069545
ATF1	8.027012	7.891824	8.364069	8.388214	8.475561	8.500319	8.191042	8.488175	8.800872	6.844641	7.722806	6.809999
OR2J3	2.941172	3.371143	3.638021	3.153652	2.871922	2.963635	2.819666	3.100391	3.195622	2.882343	3.005736	3.118112
STX19	3.024792	3.015278	3.408922	2.926034	3.014399	2.966253	2.9992	3.193755	3.009547	2.811862	3.099101	2.718234
COL27A1	6.1666385	6.223013	6.1767435	5.830539	6.1177335	5.7811635	5.764313	6.096628	5.4639685	6.035357	6.6939835	6.824382
HDAC3	8.478268	8.566092	8.837008	8.715734	8.510725	8.661732	8.553107	8.470056	8.253057	8.340525	8.27186	8.293063
GOPC	8.035715	7.320699	7.29462	7.153128	7.424374	7.918204	7.833847	7.451885	7.207013	7.426264	6.797956	7.343781
SLC10A1	4.025804	4.035944	3.953672	4.378632	4.205869	3.98697	4.199448	4.193296	3.913802	4.157051	3.858742	4.328096
GFPT1	8.9717045	8.470118	8.9076435	8.940433	7.606423	8.2417365	7.897479	7.7970155	9.2729805	7.967302	8.726569	7.539996
CSPG4	5.7738305	6.041243	6.233154	6.8595785	5.9835285	6.470144	5.589614	5.856177	7.3368895	6.6093815	6.553978	5.107067
CBLL1	6.8728015	6.6276075	6.960245	7.216007	6.868938	7.983604	7.252939	6.8495285	7.712648	6.5419275	7.2711815	6.5193765
TMCO6	7.320659	7.09431	6.844954	6.664622	7.398357	7.20368	7.627055	7.180142	6.611232	7.067881	7.468283	7.302445
STK10	7.822352	7.609846	7.634708	7.736147	7.342592	8.172367	7.428204	7.305275	7.469114	6.436509	7.416962	6.732293
SLC5A9	4.0711745	4.0484655	4.383124	4.263983	4.251906	4.276538	4.3055625	4.1717485	4.4847295	4.087829	4.3577555	4.2182245
ROCK2	7.676327	7.2824575	8.3477625	7.6113575	6.569264	7.1315385	7.1193975	6.6439735	6.912306	6.849439	5.704863	6.643764
PPP1R2	6.9857435	6.350686	6.409781	6.403996	6.1668115	6.396371	6.2526725	6.445723	6.974937	6.461355	6.5742585	6.495517

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
RNF4	9.925582	9.63344	10.22075	9.695328	9.673709	9.659841	9.76626	9.51369	9.60733	9.42334	9.870546	9.185482
KCNH4	4.521208	4.654826	4.232315	4.441176	4.283309	4.372656	4.39618	4.470691	4.086185	3.613443	4.209585	3.708994
TMBIM4	10.650215	10.1531165	10.580355	10.54665	10.63772	10.177931	10.603155	10.51978	10.0594	10.40057	10.345075	10.784395
INCENP	5.638378	6.0436415	5.712234	5.538679	6.9089115	6.5942775	7.6514725	6.7332285	5.914761	6.0370745	6.156987	5.442579
EHD3	7.987263	7.354585	7.297783	8.840077	6.794701	7.747186	6.235372	6.850194	7.423511	7.110481	7.884871	7.135421
CHRM1	3.070128	3.516274	3.37264	3.446427	3.619155	3.414213	3.83008	3.717902	3.471148	3.519141	3.729597	3.160357
NTNG2	3.732713	3.920205	3.797915	4.053411	3.510936	3.688131	3.49499	3.914267	4.827864	3.841926	3.916357	3.962532
MBIP	7.830832	7.973605	7.791704	8.096377	7.972685	7.085501	7.963987	7.91725	8.095303	7.458015	6.78171	7.197304
MKI67	8.32502	7.7399305	7.8867465	7.7743585	7.210028	4.507743	8.0497275	6.7338185	4.9891965	7.11996	5.5993245	6.9112145
RCSD1	3.8482705	3.9901075	3.8895005	4.248133	4.119215	5.9349235	4.2262765	4.3662755	3.6720045	3.746438	5.4479	6.1280735
GNG12	9.093708	9.203344	8.58682	8.754529	7.978709	8.305129	7.828348	7.870372	7.344383	5.902876	6.0151	6.873233
MAT2A	9.072079	9.738362	9.453128	9.084404	9.9081615	9.877311	10.386241	9.8169685	10.160992	9.3176945	10.4305475	9.090311
CBX7	7.36347	7.730735	7.729128	6.432673	5.820665	6.440126	5.950707	5.525431	6.769296	6.520424	6.968033	6.491762
ADAMTS7	4.540427	4.50558	4.475826	4.559356	4.452724	4.611619	4.147861	4.521482	4.830579	4.539645	4.81165	4.127928
ST3GAL2	6.843978	7.101537	6.861699	6.963252	7.232036	6.750306	6.890463	6.944382	6.938229	7.200931	6.794367	7.406558
NDUFA1	11.07648	10.85468	10.56382	11.15006	11.58802	11.66179	11.61655	11.60297	11.11955	11.50848	11.37354	11.46327
ARX	4.1829825	4.4853395	4.0602845	4.2927475	4.5360075	6.041059	5.711314	4.819207	3.9196915	4.608064	4.854063	4.019934
CIDEA	5.286807	5.772194	5.087849	5.823309	5.319471	5.562663	5.672789	5.724263	5.364875	5.082732	5.096969	5.20481
GNAQ	7.672424	8.035954	8.183987	8.031467	7.454169	7.772	7.602824	7.45179	8.746333	8.182296	7.031856	8.160884
FMR1NB	2.464601	2.403042	2.424496	2.219342	2.309792	2.259838	2.254106	2.145954	2.30406	2.160495	2.32182	2.583459
SFT2D3	5.770683	6.100491	5.848441	5.644055	5.737867	5.394052	5.7192505	5.6490855	5.8824325	5.945425	5.916722	5.6492435
NUDT11	7.807997	8.159449	7.916105	8.225691	4.842521	5.579995	6.204288	5.486223	7.01134	7.991588	7.977719	7.95095
PLA1A	2.769327	3.347385	3.156846	3.159637	3.114001	3.18344	2.869383	3.113986	3.379305	3.161328	3.13938	3.038498
NSMAF	6.115473	6.617158	6.646501	5.113812	6.894032	6.772379	7.07487	6.646255	6.320422	5.927217	6.328326	5.619319
ZNF337	7.2389455	7.083835	7.43561	7.26544	6.9036345	7.115645	6.839492	7.1753555	6.9654585	7.8931445	7.936133	7.9570835
PHF21A	6.3448185	6.3035295	6.6236685	6.786771	6.438146	6.083998	6.1927785	6.4478095	6.399918	6.2579425	6.118712	6.334793
ZBTB11	6.6474245	5.850187	6.196988	5.942556	7.374893	7.1998115	7.5950625	7.220506	6.8510615	7.3899095	6.6138285	7.4526065
NPPA	5.49428	5.979681	5.660612	5.572064	5.633774	5.665015	5.581775	5.651586	5.371835	5.449594	5.977491	5.510941
PCDHGC4	3.7730875	3.8906395	3.6699055	3.7757185	3.815959	3.918219	3.709054	3.7024	3.8251465	3.670152	4.1498165	3.516803
BMPR1A	7.915956	7.182887	7.991285	7.912336	8.513028	7.861589	8.20864	8.504627	8.09234	7.753765	7.18631	7.411461

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
SDC4	10.97479	9.549322	11.52117	11.48197	8.766192	10.03387	8.798149	8.88309	10.67882	9.557577	9.362278	8.644486
CHD8	7.708817	7.237009	7.3736	7.518885	6.932151	6.848196	7.030105	6.715734	6.558627	7.547559	6.423886	7.388662
SLC35E4	4.6147555	4.402977	4.6415705	4.9821735	3.5707145	5.3914505	3.3776975	3.557231	3.972809	3.8151665	5.7126755	3.9283635
RSAD1	7.53709	7.929493	8.364531	8.020624	8.208758	8.338152	8.480221	7.884679	8.444671	8.960204	8.875109	9.211026
DUSP11	9.072355	9.024693	9.2447	9.279204	8.796039	9.338429	8.672156	8.931396	8.616785	7.88719	9.407103	7.900574
SLC9A8	5.694079	5.714865	5.896884	5.841871	5.908565	5.753196	5.723385	5.840537	7.146128	6.349534	6.821351	6.115473
TMC2	5.959719	6.628157	6.525464	6.363736	6.353122	6.058808	6.35349	6.447347	6.183725	5.955266	6.167034	5.832611
RPA3	9.899399	9.680143	9.199619	9.887573	9.847481	7.838434	9.982502	9.566147	9.640119	9.251645	8.866358	9.439428
KLHL8	7.50224	7.110295	6.882543	7.646369	7.970967	7.94695	7.730232	7.687129	8.051661	8.043118	7.75766	7.959035
GPR39	4.558204	4.394658	4.148692	5.645405	3.836749	4.454697	4.115737	3.666266	5.993902	3.66801	5.114419	3.40821
RAB38	5.518006	5.248816	5.82628	5.149659	7.751831	5.469897	6.462985	7.400878	6.070717	5.140983	7.168252	6.302738
GJB5	3.913049	4.469707	3.660847	4.231346	4.411188	7.723029	5.441559	4.404717	3.507994	3.765082	5.690009	4.178673
ASIP	3.641446	3.992275	3.946155	3.992275	4.171521	3.726449	3.551608	3.842418	3.899048	3.302219	4.002008	3.268123
NDUFV1	7.395331	7.634702	7.5543395	7.510456	7.591033	7.681701	7.589853	7.508364	7.5842075	7.699078	7.6792685	7.911667
C1QTNF3	4.0477275	4.1955055	4.2927485	4.641916	4.6897605	4.224154	4.364168	4.4721165	4.3013835	4.6735625	4.30449	4.786471
ACLY	10.01211	9.941696	9.74712	9.503289	10.57451	10.32578	10.18157	10.6388	8.657156	8.980917	9.597827	8.613915
OPA3	5.164865	5.252762	4.848885	4.986227	6.091857	6.628078	5.985648	5.906463	6.117398	4.975413	6.409388	5.040612
SLC25A36	8.969308	8.912342	8.763082	7.849644	8.727166	8.763034	8.670913	8.866021	9.08777	9.761539	8.756597	10.07573
FAM98B	8.30176	8.398582	8.048093	8.412949	8.380261	8.8318	8.86403	8.156868	8.440698	8.032861	7.599843	8.35178
UBE2W	5.398922	5.245599	5.6511835	5.451106	6.0882395	6.8270985	6.7486015	6.2355925	6.538037	6.921988	6.055004	7.1993535
MPV17	8.793629	9.208803	8.584485	8.863517	9.449296	9.662282	8.975222	9.488337	9.084144	8.99942	9.099275	8.768184
KRT10	10.05595	10.00352	10.17567	10.34122	10.10504	10.2505	10.26172	10.15907	10.39545	9.945564	10.44871	9.670079
PRIMA1	4.131865	4.499943	4.525194	4.830059	4.450411	4.472037	4.415962	4.272282	4.462603	4.634838	4.456507	4.521966
ERF	6.5666415	7.19835	6.916625	6.4102125	6.310235	6.0236665	6.154592	6.2729825	5.882415	5.93188	6.055475	5.867679
SLAMF8	3.8514355	4.0652925	3.6126155	3.989851	3.775461	3.700462	3.9411965	3.9289155	4.5721675	3.5671315	4.1336665	3.4745545
KIR3DL2	4.532077	4.548478	4.464375	4.313929	4.425869	4.541681	4.722699	4.625021	4.767241	4.199018	4.713388	4.510246
OS9	9.8315155	10.1807315	9.9786295	9.7166095	8.789722	8.8212125	8.613596	8.562087	8.9771185	9.212286	9.008912	9.1076825
MYO6	7.263782	7.025652	7.581684	7.0577	6.896488	8.280512	7.64275	7.122239	7.156328	8.182987	6.713013	8.414013
WNT9B	4.345101	4.16076	4.299841	3.871498	3.758118	3.793691	3.79998	3.863364	3.889873	3.527267	3.832824	3.565094
CLU	6.9682955	7.757597	7.2525125	6.5660345	9.0962355	11.003405	7.044716	9.458292	6.3688855	10.42947	12.78996	11.258795

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
PKMYT1	7.109369	7.597244	7.158281	7.549567	7.024526	6.317101	7.775955	6.867968	6.880801	7.323851	6.491803	7.24986
CMYA5	4.953463	4.8101045	5.0973675	4.634248	4.6588115	4.275748	4.229306	4.886054	4.618269	4.199308	4.463475	4.223655
GPR34	3.205991	3.015445	3.332647	3.079699	3.163293	3.005554	3.14725	3.300064	3.231109	3.23141	3.266402	3.812808
ULBP1	4.678189	5.008691	4.95828	4.794154	5.257211	7.25153	5.212867	5.508174	5.223389	4.377004	6.38281	4.621138
CCKAR	5.307873	5.499394	5.1697125	5.342016	5.2943315	4.9654895	5.2353635	5.2803875	4.948537	5.041774	5.2920675	5.212044
LY6G6C	4.677736	5.015162	4.208983	5.171985	4.691419	4.486337	4.598043	4.650834	4.671283	4.391985	4.814113	4.459182
PPCDC	6.082135	5.874601	5.702657	6.620992	6.711073	7.18894	6.966942	6.741251	6.678249	6.703783	7.491749	6.648183
SLC15A4	8.399877	8.658082	8.33119	8.287046	7.817048	8.097176	7.86837	7.847804	8.259386	7.506525	7.807652	7.80413
RPL27A	7.426963	7.487839	6.627951	7.614096	8.110146	8.040747	8.451806	9.051085	8.173677	8.703184	8.91771	9.725639
SMG6	5.1609705	5.482937	5.192536	5.2806655	4.922912	4.795631	4.635141	4.9653695	5.186609	5.050658	5.1900565	5.081124
ZNF425	4.701307	4.729866	4.5169695	4.5521145	4.67797	4.6082885	4.3600705	4.638452	4.7097045	4.07278	4.491672	3.95842
PDGFRA	5.703607	5.510158	5.805662	5.661826	4.9402755	5.500142	4.367318	4.773888	4.344965	5.639564	4.4549455	5.5768225
HIST3H3	4.351869	4.573709	4.698657	4.687037	4.889153	4.811985	4.779379	4.849702	4.261095	4.424242	4.788948	4.655147
MAP7D2	4.967263	3.765311	4.062595	4.12406	4.509528	6.002118	7.901369	4.18063	7.023074	6.525582	7.38833	8.206388
STT3B	10.62764	10.50038	10.66145	11.19041	11.46173	11.29187	11.84931	11.44108	11.52806	11.17379	10.83975	11.1452
RAB7B	7.1238095	6.376629	6.1743785	7.3658905	6.6333785	6.4142115	6.347596	6.5427595	5.472078	5.6616085	5.7811225	6.0194605
STYX	6.3184015	7.4343995	6.1701805	6.253357	6.922966	7.757535	6.903989	6.773062	6.5939735	5.619125	6.137608	5.3729115
SLC4A7	7.591988	6.507501	6.50593	6.59241	5.7247075	7.615844	6.468628	5.9411255	5.6490185	5.3402625	5.10338	5.1436155
EEA1	6.780492	6.653283	7.069061	6.50647	6.529301	6.854902	6.955126	6.451859	6.439664	6.227343	4.222282	6.831285
UPK1B	4.569324	4.4419285	4.390836	4.624976	4.30004	4.2262525	4.4398475	4.314184	4.346957	3.8176045	4.133018	4.118921
RRAD	4.279313	4.533283	4.397485	4.678516	4.733859	7.634024	4.583778	5.28578	6.156455	4.725205	8.564171	4.701968
COX6B2	4.950517	5.5542025	5.11964	5.2029285	5.0336475	4.966628	4.8652775	5.121286	4.883145	4.4345045	5.040694	4.676886
MPO	3.8867725	3.890729	3.9433555	4.1024555	4.0344615	3.780327	3.982781	3.958055	3.9188285	3.871327	3.8845435	3.7136375
SYNPO2L	3.8780155	4.1024385	4.285388	4.3645825	4.1811655	3.879299	4.1180045	4.2505505	4.0327935	3.706714	4.283119	4.1946165
SS18L2	9.204132	9.064862	9.054407	9.159955	9.522112	9.619237	9.669246	9.430449	8.663188	8.544664	9.276949	8.419953
AMELY	3.873272	3.974401	3.923128	4.135598	4.131647	4.069598	4.315181	4.318026	4.08008	4.086322	4.162951	3.84053
KIR2DS3	4.372732	4.546401	4.566589	4.275561	4.429346	4.229565	4.377562	4.451182	4.237279	4.093623	4.309645	4.05346
DKK1	11.34429	11.38374	11.39569	12.32204	9.449603	9.096095	6.430923	9.758756	9.931287	8.243449	9.031126	5.444814
PIGV	7.340442	7.134168	7.6260815	7.799404	7.630006	7.953228	7.3275215	7.7608075	8.314536	6.875295	8.393653	7.1373055
CTNNBIP1	7.924811	8.193935	8.151053	7.98932	7.681292	7.297597	7.434285	7.669116	7.563828	7.933998	7.671834	7.728832

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
CDKN1A	10.99862	10.81424	10.09993	11.10124	11.22351	11.52821	11.07104	11.54285	9.866892	11.34665	11.80539	11.13184
DDX52	6.4702515	5.4671745	6.469632	6.543044	7.4137505	8.1080775	7.4548645	7.2939535	8.2356525	6.5112225	7.0795745	6.4496625
HLF	3.126123	3.408997	3.200469	3.04917	3.062108	3.572899	4.112239	3.120426	3.100811	4.058757	4.690044	3.478154
YIPF1	7.347806	7.157077	7.744502	7.827152	7.916662	7.999297	8.017157	7.915575	8.295842	7.588141	8.883209	7.947631
PRPSAP2	7.337924	6.607733	7.203991	7.86153	9.014601	8.703996	9.400708	8.951857	8.752767	8.12898	8.8516	7.813335
SHANK3	5.0887845	4.936772	5.1452135	4.7706525	4.1118675	3.9490145	3.888044	4.0180425	4.5643785	4.617844	4.9608695	4.8729065
CPLX1	3.05713	3.189291	3.111693	3.249177	3.354288	5.620241	5.678061	3.381429	3.427926	4.95632	3.870686	5.346135
ZNF45	6.3953475	5.611276	6.5476295	6.5261905	6.860135	7.291155	6.4743725	6.838091	7.1796255	6.2993735	6.8442445	5.9442645
ALG12	6.500458	6.706663	6.222534	6.216727	6.307609	6.580087	6.672139	6.175315	6.13796	6.5495	6.393961	6.316247
KLHL9	6.9908365	6.3184645	7.0743485	6.577157	6.4734855	6.945377	6.3693895	6.613033	6.3481795	6.0972265	6.4914295	5.7066865
HPSE2	4.137757	4.277101	4.155924	3.972185	3.871161	3.263326	3.475886	3.852788	3.856799	3.705016	4.202704	3.873289
COL25A1	3.053528	3.296219	3.223127	3.303983	5.414456	3.96642	4.446366	5.136845	4.647058	4.948304	3.925366	5.715315
GUCA2A	5.418097	5.474505	4.918363	4.868088	4.777526	4.725733	4.740491	4.885959	4.492506	4.602289	4.405612	4.577611
SOX17	3.5053775	3.422692	3.194761	3.319633	4.720096	3.3365145	5.8575185	4.678888	4.1858735	3.800844	3.676924	3.2439735
ZNF28	2.910134	2.111125	2.531107	2.595583	2.709326	2.778696	2.694489	2.822532	2.686129	2.576741	2.682102	2.801973
TEKT3	3.140444	3.421724	3.589617	3.292528	3.339135	3.259478	3.285683	3.265178	3.61995	2.955088	3.25245	3.014555
OSBP	7.943845	8.081627	8.058567	7.863282	8.008007	7.737244	8.1911	7.856424	7.720206	7.497241	7.718592	7.432238
BANK1	3.576317	3.920205	4.392367	4.188728	3.84283	3.68554	3.655818	3.863364	5.752666	3.396039	3.852535	3.504815
PGRMC2	9.260043	9.6290295	10.06027	9.978642	10.148053	9.0051715	9.122893	10.2312605	9.9603815	8.962477	8.845642	8.5008735
FGF2	10.919175	10.720855	10.694425	10.509305	8.026361	8.403907	7.3985765	8.451541	9.1650855	6.328836	9.044931	6.976094
CYP20A1	7.142514	7.004274	7.840252	7.195575	6.443362	6.626941	6.573043	6.493217	7.324731	6.259795	6.523671	6.322801
DDX56	6.35417	5.9880205	6.5004315	6.406596	6.664688	6.877829	6.936601	6.662969	6.4019135	6.8822655	6.9456925	7.048098
POLM	6.363429	6.789015	5.864372	5.784996	5.90486	5.883821	6.233078	5.750434	5.882456	6.214072	6.118148	6.32942
KIF13B	5.166605	5.343496	4.833062	5.337366	6.015924	6.187551	6.698384	6.082117	7.401597	6.189212	6.060692	6.146354
ADAMTSL2	3.963349	4.231774	3.565093	3.645996	3.917077	3.753398	3.644766	3.81786	3.868196	4.205667	4.044522	3.848701
ZNF700	6.694168	5.804326	6.323682	6.258964	6.62131	5.737266	6.341707	6.388043	6.324585	7.618226	6.482553	7.359489
N6AMT1	4.012665	4.563655	4.558149	4.54644	4.577938	4.502966	4.712885	4.868655	4.170635	4.486275	4.661796	4.656317
ZNF808	3.529603	3.63233	3.380464	3.262813	3.321981	2.998312	3.117875	3.342939	3.324662	3.459873	3.127695	3.15836
SPATA6	4.498801	4.2763245	4.4150265	4.140774	3.1296255	2.9365085	2.8492155	2.9477665	4.6068975	3.3435475	3.092654	3.2123275
HLA-C	11.332945	12.06482	11.926515	11.43323	11.42399	12.02181	12.64885	11.30379	13.401565	12.833575	13.334775	12.87553

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
RPS28	7.271055	7.294116	7.234874	6.966563	7.736596	7.214325	8.161237	7.670065	7.193114	7.290955	7.387764	7.418549
MAP4K3	8.254689	8.258753	8.400437	8.374821	10.16979	8.312695	9.695687	10.29141	9.74613	10.11037	8.431942	9.849028
HCFC1	5.913656	5.900484	5.369299	5.323774	5.086638	5.224686	5.377602	5.253419	4.878783	4.647604	4.897895	4.84973
MIPOL1	3.192659	3.338003	3.53727	3.37921	3.734494	5.137881	4.397034	3.665663	3.922204	3.332411	3.632497	3.514805
GABRR2	5.478205	5.992277	5.143651	5.362499	5.481239	5.252524	5.333879	5.664378	5.245316	5.041313	5.607226	5.086223
CLEC14A	4.78325	6.108592	4.756094	5.186881	4.110803	3.970478	4.109473	4.205628	4.006518	3.96667	3.869502	4.017418
PCDHAC1	4.525661	4.559855	4.7355435	5.0125235	4.8603525	5.026398	4.885463	5.0514475	5.0183545	4.3626905	5.24753	5.0590645
FAM20A	4.7692605	4.75366	5.184841	4.637691	4.5962005	5.283515	5.5831335	4.715695	4.3317675	5.1863675	4.2731595	5.383796
ZNF30	4.606821	4.269555	4.834025	5.050092	5.885411	6.773793	6.824967	5.540848	5.880602	7.15576	6.273936	7.3083
SLC17A7	6.4181105	6.7248035	6.5679065	6.403559	6.6499515	6.3555565	6.4355635	6.517897	6.420206	6.2292125	6.474477	6.319681
LRBA	7.819796	7.138032	7.209105	7.4950625	7.9304235	8.17892	8.707366	7.9836085	8.2931065	8.368094	7.5570535	8.676146
GRAP	4.2101875	4.6486425	4.219243	4.124027	4.1792195	4.100267	3.947578	4.1564435	4.111285	3.771794	4.2657915	4.0543705
RPL22	12.53413	12.64322	12.69074	12.67499	12.95026	12.829	12.97283	12.90659	12.15915	12.91988	12.85691	12.95854
TSPAN12	3.930772	3.659302	4.253662	3.90664	6.013399	6.810569	5.99518	6.20611	5.986439	5.292064	6.02226	5.064884
BRWD3	5.139827	4.871304	4.74383	4.604928	5.502618	5.171854	5.510466	5.341028	4.86085	5.290556	4.753737	5.134542
APBA1	5.4436225	5.976561	5.2190275	5.416408	4.4049565	4.6298485	5.1929095	4.4277175	4.714419	4.4798315	4.6270785	5.0891705
ASMT	3.344236	3.630609	3.571337	3.690737	3.5236675	3.510438	3.5501145	3.4278855	3.371989	3.2196025	3.630572	3.3480255
NTHL1	6.668882	7.004735	6.569367	7.093243	6.972502	7.578577	7.433297	6.756803	6.778075	7.230813	7.69589	7.308708
KHDRBS2	4.112203	4.024351	4.118705	4.285543	4.333764	3.938174	4.269555	4.001381	4.136869	3.771842	4.020125	3.786813
TINAGL1	6.489669	6.713669	6.480808	6.890209	6.886872	7.102274	6.6252	7.040744	7.216703	6.178965	6.327998	6.279399
DIRC1	2.556836	2.545714	2.674081	2.479258	2.331433	2.532495	2.380722	2.431811	2.353833	2.619816	2.475836	2.502919
SIGLEC11	3.6888345	4.033684	3.701483	3.8496695	3.847767	3.948872	3.8202545	3.7298295	3.6074275	3.5091295	3.8001745	3.6738765
KHDRBS3	5.387052	5.4825785	5.7455355	5.8499195	4.5663265	3.8815855	4.879743	4.663739	7.8059135	5.612285	8.9654225	4.9324365
PSD2	4.81317	5.210746	5.134175	5.154808	5.333769	5.242805	5.014359	5.268824	5.467594	5.178067	5.445143	4.7902
ZNF287	4.284073	4.238255	4.955521	4.62426	4.123777	3.941151	3.737908	4.096688	4.870794	4.669431	4.222282	4.26388
ABHD14B	8.468639	9.540612	9.074364	8.901663	7.364717	7.837057	6.865684	7.047292	6.981646	7.1471	7.493618	7.329871
SHC4	3.6904175	3.888666	3.6658345	4.6332555	3.4849935	3.831778	3.4079565	3.3881355	4.877513	3.4542415	3.564696	3.563471
DBF4	8.109694	7.811106	7.800364	8.942584	9.220318	8.8127	10.01687	8.846815	8.075515	8.654534	7.37923	8.420099
POLR3D	7.56892	7.58072	7.632462	7.632284	7.80413	8.205801	8.095669	7.736965	7.570013	7.238416	8.620618	7.670769
LRIG1	4.071853	4.602124	3.969533	4.107092	4.2050315	4.4711125	4.1181985	4.129107	3.8951555	3.451036	3.938846	3.60839

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
FRMD1	5.962017	6.282689	6.274533	6.127542	5.998517	6.117013	6.199815	6.065498	5.836266	5.990987	5.662263	5.680025
CFTR	2.847125	2.695113	2.679355	2.958447	2.804937	2.870519	2.685933	2.762549	2.846843	2.741179	2.872711	2.639148
LETM1	6.216799	5.85312	6.051887	6.088737	6.686762	7.165657	7.200734	6.711223	6.234301	6.380378	6.858055	6.632713
ARHGAP19	6.115896	6.096121	5.405283	6.103842	6.064356	5.704329	7.41075	5.76476	5.435874	6.547956	5.716804	6.220891
PHKG1	4.981944	5.3126445	4.9821975	5.3236795	5.4599135	5.126088	5.055435	5.382386	5.2143025	4.6261685	5.1950915	4.933781
PIGR	4.3960825	4.8797725	4.663337	4.6612245	4.7519945	4.6576465	4.5632915	4.675373	4.6200655	4.5287995	4.6755355	4.5217885
GLCE	7.107623	6.980271	7.12937	7.896898	7.041015	8.042748	8.113308	6.937819	6.901018	7.640846	6.74991	8.447948
FBXO28	8.703136	8.219249	8.354313	8.470524	8.917129	8.454535	8.52158	8.990597	8.575853	7.980765	8.294913	7.964731
TBC1D10A	6.207654	6.262261	6.226896	6.1156345	5.787814	5.8593915	5.54075	5.6728565	5.902958	5.474879	5.572264	5.151465
CCT5	9.155327	8.309635	8.6869455	8.8867755	9.6456175	9.673902	9.6496815	9.663698	9.0465005	8.9844755	9.579291	8.797765
SMYD5	6.633096	6.997418	6.801323	7.035051	6.35755	6.771956	6.780264	6.026436	6.367776	6.386118	6.547994	6.334942
DUSP7	6.8438175	7.450828	7.404741	7.0495045	6.740437	7.923111	6.7007365	6.7321245	6.5204745	6.592311	8.0774245	6.5635645
SOHLH2	3.998538	3.797925	3.910241	4.031486	3.659732	3.642649	3.297467	3.205991	3.692111	3.256549	3.530919	3.077344
ZFP90	8.188176	8.132401	7.565347	7.749109	6.710697	5.170771	5.252127	6.871578	7.813705	7.145505	6.007491	6.659398
ZP4	3.969933	4.263703	4.301585	4.458901	4.415818	4.103436	4.154588	4.508032	4.065873	5.249795	4.016459	4.744715
ROBO4	6.4997255	5.540735	5.6588885	5.5301005	4.946896	7.129429	4.8932475	5.1014675	5.3159565	4.9508415	7.435182	4.919114
CDK5R1	3.722516	4.091482	3.95846	3.8352335	4.0917405	4.6330115	4.248065	4.2668465	4.4916685	5.2386265	4.9483525	5.267851
PPP1R1C	3.84009	3.976833	4.109298	3.9048025	3.8123715	3.6017735	3.5584635	3.7025565	3.841143	3.8231975	3.6545575	3.597546
RIPK1	7.3786755	7.692467	7.9721355	7.421083	7.1911425	7.4786695	7.2298225	7.0202255	7.47131	6.7985025	7.3498045	6.5938445
MAS1L	4.115208	4.146764	3.860998	4.559277	4.473386	4.212494	4.57286	4.777447	4.341043	3.833577	4.499976	4.49632
NOS1AP	4.4278395	4.920624	4.601331	4.537974	4.5444775	4.4068405	4.4637395	4.4890245	4.433074	4.2636545	4.528231	4.480873
DNAJC6	3.4680525	2.852963	3.579478	3.92215	5.6752875	6.222326	7.146649	5.8855765	4.877089	6.1344175	5.976217	6.8355455
TOLLIP	5.859126	6.291068	6.089176	6.273744	6.3795315	7.590773	6.1815075	6.4016845	6.5150655	6.082677	6.738002	5.9664355
SPARCL1	3.681771	3.587142	3.79548	3.568831	3.743718	3.994878	4.0053	3.758273	3.823043	5.640456	4.551047	6.712979
POMT1	6.313512	6.156091	6.576551	6.660878	6.163684	6.495741	6.042567	6.128774	6.322618	5.912781	5.74382	5.792441
ART3	2.842175	2.690958	2.597298	2.816439	3.149574	4.367185	2.855921	3.182122	3.103215	2.99578	3.211143	2.792237
ADCK5	5.815456	5.704963	5.525434	5.649729	6.174838	5.708186	6.077367	6.184089	5.733761	5.796058	5.681544	5.751488
PCDHB6	3.5792455	3.7893665	3.8571755	3.387941	3.9495945	3.105484	3.126662	4.0067485	3.4622915	4.5893515	3.1539315	4.0243355
GNRHR2	4.244718	4.41095	4.613535	4.328717	4.439771	4.325204	4.242117	4.196012	4.291112	4.069114	4.480202	4.306297
DCUN1D3	7.9382825	7.775052	7.8210615	7.817191	7.46066	8.076358	6.945725	7.57455	7.6636845	7.230366	8.033495	7.090621

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
ABCA8	3.932889	4.215965	3.860661	3.830836	3.298555	4.154252	3.196727	3.285459	3.71871	3.709473	3.396405	3.59878
CD177	4.406413	4.939965	4.69163	4.856851	4.575189	4.552228	4.754545	4.754027	4.639444	4.249938	4.275032	4.178421
USP6	5.1839325	5.4099125	4.8832685	5.1145205	4.835714	4.815732	5.0319325	4.995185	4.723171	4.7575055	5.058314	5.0637055
KCNS2	5.601051	5.317805	5.191716	5.752624	5.265326	5.11402	5.276554	5.418097	4.911966	4.433287	5.282965	4.734386
COL10A1	4.626861	4.7068635	3.9346145	4.73383	9.6486035	8.4490075	4.552288	9.951526	3.78487	8.917758	11.392565	9.9626725
SAP30BP	7.6418675	7.4828705	7.4085905	7.673685	7.586103	7.7203095	7.548297	7.547302	8.0478365	7.3457365	8.454919	7.205059
ARL5B	6.3029495	6.4335925	6.697367	6.7965935	7.0846695	6.963652	7.6149775	6.974018	8.06022	7.202118	5.992912	7.0346685
LYSMD3	8.449963	8.320724	8.724125	9.028872	8.919603	9.036254	8.770903	9.003353	9.215229	8.100259	7.600145	7.462161
TGFBR1	6.969399	7.236553	8.08313	5.747213	5.352425	7.194201	5.300518	5.556773	6.092753	8.216745	5.840718	7.499193
ZHX2	5.0603425	4.7687815	5.049083	5.058916	4.5933405	4.4921395	4.8586585	4.398687	6.33718	5.288811	5.7782305	5.465493
ZNF229	4.9945775	5.034907	5.4390215	4.7763055	4.9809865	6.0936315	4.2494025	4.9827875	4.5698405	4.1928675	4.593003	3.8879535
TMEM61	5.060424	5.293579	5.192347	5.219578	5.200991	5.122008	5.699355	5.148149	5.071256	4.994334	4.934779	5.016286
DLX3	4.276486	4.029917	4.054769	4.28634	4.503541	5.106618	3.950918	4.431921	3.690738	3.9926	3.836451	4.116101
CKAP4	10.80176	10.67407	10.48343	10.83966	10.40288	10.65139	9.966653	10.44987	10.07128	9.72139	10.23369	9.792083
LRRC47	10.17908	9.831103	10.07024	10.19095	10.43332	10.8528	10.58968	10.36088	10.24512	10.24059	10.98292	10.26713
DDX18	8.633607	8.812313	8.8020515	8.8428545	9.6789915	9.5128525	9.8077095	9.703616	8.759199	8.9896595	9.122615	8.9561385
ZNF444	6.659527	6.7466485	6.39331	6.6750435	6.8692445	6.9491925	6.779926	6.7032685	6.8845405	6.997103	6.939361	6.8489465
UBR1	7.7984285	7.5581745	7.4744985	7.7349945	8.0299055	8.270682	8.003724	8.0736505	7.4851375	7.5067955	7.3758585	7.419389
SQSTM1	5.7692605	5.918546	6.190721	6.0239275	6.0461315	6.0426295	5.889594	6.233507	6.5944765	6.869489	6.696073	6.6150985
DCTN5	6.920637	6.2924815	6.7566095	6.848756	6.7998095	7.160115	6.6761005	6.7855205	6.9721415	6.7336995	7.0694695	6.8385915
PGLYRP2	3.617052	4.394917	4.10215	4.09192	4.490077	4.326973	4.671694	4.275775	4.458405	4.004959	4.522583	4.45893
RHBDL3	4.5816605	4.8046575	4.579085	4.723873	5.2037845	4.9088075	4.896827	5.2580455	4.710435	4.7943465	4.9078535	4.574717
PAICS	10.29674	10.29878	10.084	10.05713	11.12596	10.46751	11.44664	10.94203	9.886958	10.04931	10.5039	10.09628
TRPC7	3.4175675	3.6212415	3.56433	3.519702	3.5178785	7.4032395	6.778371	3.555901	3.4905545	3.2110305	4.251251	4.709955
SPRY2	9.993528	9.045463	8.391829	9.3049	6.908909	6.219165	5.028622	6.603624	8.056357	6.670039	7.357304	6.561247
CRBN	8.758067	8.6253515	8.80715	8.3954655	8.278334	8.341374	8.0030985	8.357855	9.172003	8.44729	9.3379515	8.60571
SARS2	5.765883	6.15378	6.231798	6.558365	7.181479	6.842738	7.635058	7.112544	6.502143	6.965177	6.61468	6.845416
FNDC7	5.264128	5.721187	5.709385	5.091462	5.295215	5.220281	4.917712	5.528878	5.026262	4.91913	5.244862	4.540949
RBM25	8.582615	8.608023	8.780628	8.119597	9.523376	9.647783	9.603926	9.357754	8.897593	9.582118	8.102464	9.585501
BBOX1	3.126786	3.28198	3.108488	3.182224	3.950562	3.162194	2.898031	3.381429	3.001049	3.312486	3.064683	2.733185

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
ASPN	3.6445335	3.252132	5.4147265	4.474588	10.938685	12.04344	11.099535	11.179465	3.8002205	11.315485	9.873526	11.131418
MCHR2	5.188669	5.559749	5.401937	5.513022	5.376639	5.06552	5.210745	5.595211	5.442513	5.409428	5.491491	5.173334
ANKRD55	4.150499	3.959227	3.8857975	3.955689	3.764039	3.539772	3.7974275	3.864552	4.351042	3.6437805	3.893843	3.668069
KCNK4	5.217303	5.805862	5.303257	5.67541	5.567911	5.548441	5.271212	5.571862	5.413984	5.401064	5.365276	5.06955
SKAP1	4.129718	4.202972	4.36639	4.196634	4.450344	4.184065	4.31673	4.378954	3.943146	4.06309	4.333573	4.166629
STON2	3.626283	3.6110005	3.6707675	3.684894	4.910763	3.800099	4.048752	4.9384055	3.7000705	3.503756	3.6603675	3.7282905
EEF2K	8.420396	8.4017165	8.432212	8.5523045	8.339032	8.439743	8.244385	8.3867445	7.530407	8.4456925	8.6436555	8.5252335
TREML1	5.172115	5.615203	5.279766	5.391894	5.519542	5.507192	5.391894	5.750435	5.567476	5.28018	5.76897	5.321612
OR2W1	2.480325	2.532236	2.652342	2.592845	2.767856	2.731092	2.64164	2.634712	2.731193	2.308532	2.514422	2.490796
MCF2	2.766427	2.91217	2.8542665	2.9154535	3.11559	3.618434	2.9241195	3.123099	2.9016335	2.8662605	3.0214985	2.9721165
DECR1	9.924084	9.62149	9.591767	9.864579	10.29376	10.4808	9.845256	10.40798	9.520852	10.09802	9.720957	10.26469
ACY3	4.0642975	3.9153845	3.8903585	3.953792	4.090297	4.1183725	3.938729	4.076542	4.045519	3.850149	4.180453	3.5512925
BLOC1S2	9.873444	9.874741	9.85002	10.43615	10.69194	10.64926	10.51992	10.91444	10.29641	10.1729	10.94391	10.11591
SMARCA2	7.53985	7.763197	7.469318	6.353596	6.811641	6.332238	6.205097	6.635845	5.413563	6.372056	6.206735	6.074142
MAP1LC3B	10.12472	9.966904	10.07068	9.986456	10.85094	11.32113	10.17616	10.83426	11.09998	9.037268	11.1059	8.691825
NCBP2	9.349461	9.2436335	9.3548085	9.477271	9.649718	9.9607175	9.620596	9.650902	9.3105045	9.184244	9.405746	9.0485195
RHOJ	4.884499	4.797533	5.412951	5.676585	4.185033	4.721119	3.537041	4.655535	7.568761	3.287426	4.303741	3.565094
DPP9	6.075583	6.507058	6.002165	6.163033	6.183363	6.88308	6.221306	6.255812	5.886494	5.778733	6.169922	6.132166
SRGAP1	7.748178	7.284931	7.2868385	6.0381145	4.618388	4.7324965	4.4175085	4.2762575	4.879098	4.8826895	4.4874855	5.316008
LYZL4	5.674077	6.075512	5.994873	5.93152	6.105498	5.934108	5.826927	6.105886	5.843397	5.917652	6.108154	6.066461
RAMP1	5.990823	6.81164	7.038598	7.055824	6.481123	6.098683	5.79741	6.598412	7.228793	5.651597	5.803084	5.904232
COL4A3	3.060155	2.952478	3.182075	3.008348	2.942063	2.824731	2.931014	3.031019	3.59408	2.828014	3.182423	2.80483
HES7	5.132108	5.421991	5.148695	5.0759	5.428292	5.51687	5.132108	5.445791	5.722017	4.866009	5.485927	5.036379
SLCO4C1	2.6240855	2.5551825	2.7502455	2.69239	2.866142	2.7563565	2.652455	2.7878515	3.732642	2.569955	2.7435595	2.745296
MCEE	7.903881	7.655573	7.404407	7.752197	7.778499	8.135984	8.026115	7.983477	7.115071	7.333899	7.835208	7.808186
LRP8	6.844738	5.766026	6.019755	6.367775	7.72405	7.133524	8.854916	7.561816	6.705054	7.448199	8.006558	7.739394
IGF2	4.548467	5.035171	4.756093	3.84496	7.537864	12.33429	11.62041	7.820183	9.640027	8.692615	11.32197	11.02183
TMC5	3.398879	3.585488	3.394659	3.131035	3.217792	3.327646	3.267132	3.227627	3.297205	3.372054	3.250394	3.222866
MOAP1	7.826791	7.604053	8.379202	7.733475	8.767817	9.489346	7.87937	8.889828	8.972038	8.709807	8.923087	8.536632
SLCO5A1	3.194553	3.359194	3.168326	3.082002	3.16538	2.851433	2.979706	3.282884	3.001247	2.745651	3.214201	2.695595

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
ZNF436	6.888928	6.6995755	7.240317	6.95025	7.122478	5.9426815	7.371115	7.018444	6.698147	7.3052405	5.8559075	6.439065
DCUN1D2	6.033644	6.309592	6.420179	6.389279	6.753504	6.842365	6.952654	6.781879	6.359351	7.447802	6.905995	7.730373
RFPL1S	3.18983	3.388951	3.233533	2.862465	3.403265	3.145499	4.021586	3.331749	7.885186	5.278055	3.576191	5.889287
SCARB1	3.886114	4.379933	4.134841	4.225658	5.411132	5.107493	5.621545	4.926816	4.460454	4.392298	4.890985	4.78913
LRRC17	3.305831	4.024053	3.745006	5.552146	7.236938	6.2512985	7.415771	7.5639245	6.1044355	5.335676	3.4798295	3.1830995
TANK	8.8007315	8.474718	8.5132285	8.1159295	8.62738	8.413256	8.557852	8.549458	8.3894675	7.599869	7.316096	7.3357085
SLC9A2	3.51316	3.993549	3.881987	3.845655	3.78597	4.276104	3.796808	3.668722	3.607159	3.951707	3.920078	3.675209
SLCO4A1	5.1829255	5.510495	5.262899	5.0920265	4.850861	7.2609505	5.8710235	4.871733	4.9447505	5.629754	6.703079	5.733269
PLEKHB1	4.45159	4.628479	4.172729	3.940063	3.893905	3.943585	4.195304	3.90411	3.713123	3.807784	3.904943	3.707067
ZNF507	6.30298	6.37578	6.119809	6.128302	6.33125	6.054782	6.30298	6.359208	6.203153	5.929492	6.126888	5.932796
SAFB	6.152864	6.194753	6.283239	6.69375	7.353321	7.819877	8.050076	7.155054	6.611174	7.420393	7.360733	7.373503
MAPK12	7.085126	7.310611	6.899352	6.803624	6.261274	5.947131	6.680416	6.448839	6.676596	6.431381	6.584815	6.376491
TBCCD1	6.702747	6.316573	6.353823	7.45464	7.792256	7.822311	7.605468	7.547376	7.384422	7.216539	7.582512	7.322658
BUB1	4.681237	4.81815	4.779828	4.627226	5.097011	4.473838	5.249068	5.119962	4.627235	4.6793	4.505795	4.685574
QPRT	5.361205	5.6444385	5.2786205	6.4140895	9.3027415	7.442978	8.066274	9.166653	8.5846635	7.555209	5.86716	8.1973665
SLC5A11	4.622644	5.349599	4.897873	4.709303	4.76047	4.533284	4.868403	5.103119	4.824187	4.707333	4.829867	4.767321
ZNF44	4.5218635	4.7535705	4.2782605	4.4611015	3.4680095	3.224255	3.2749945	3.59351	4.144858	5.107934	4.6149895	4.751349
SLC7A1	7.586097	7.127406	6.827918	6.27142	5.24201	5.912278	5.816635	5.383432	5.707369	5.689791	6.312608	5.531105
CAB39	8.8010955	8.434568	8.535158	8.6622595	8.465788	9.365905	8.36968	8.453181	8.295284	6.8337855	8.4504695	6.630746
ITGB1BP1	6.085176	6.433903	5.808124	5.431011	6.1208135	6.3284395	6.2265125	6.0664305	6.020845	5.8323475	5.735513	5.864726
PTGIS	7.164948	5.887679	7.554367	6.576302	4.611443	4.634066	4.223565	4.942204	7.923821	3.818605	4.817275	4.154277
CDCA2	7.728687	7.4578985	6.9336415	7.87888	7.227416	5.5072905	8.412228	7.077996	5.4141935	6.8032855	5.202981	6.4179595
TLR7	3.472658	3.5136265	3.742902	3.5171875	3.5744565	3.5026695	3.537097	3.5748415	3.4872055	3.3714155	3.7372945	3.3901715
SERPING1	11.08035	11.65748	11.22204	9.831343	6.81164	4.821881	5.174458	6.487447	5.516594	5.131792	5.834105	6.670246
NDUFB10	9.948635	10.026782	9.869586	10.019271	10.283538	10.473491	10.77352	10.191461	9.883452	9.888133	10.2012705	9.870684
PITPNM2	5.010078	4.959301	5.032411	4.901344	4.318544	4.819415	4.873915	4.650044	4.318244	4.226269	5.025967	4.401688
KLHL7	7.381274	7.410467	7.367525	7.603723	7.150387	7.457443	8.628271	7.104582	7.464256	8.415412	7.570657	8.050339
POLR3GL	8.760639	8.647968	8.802011	9.02583	9.267534	8.981292	8.163455	9.246828	9.064124	8.40044	9.393952	8.431549
MTHFD2L	3.665633	3.079118	3.900519	3.873289	4.000065	4.595752	4.512671	4.320864	4.523881	4.19251	4.224282	4.021657
ELK1	6.805665	7.724375	7.222378	7.018192	7.092755	7.071738	6.771616	6.830506	6.905566	6.137868	6.588229	5.67226

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
CNP	7.0934895	7.5662625	7.447455	7.587097	7.8864535	7.061383	7.4791705	7.7934225	8.0118905	7.649514	7.493922	7.4126425
SLC38A5	8.701858	8.563587	8.226603	8.583318	8.778143	9.516758	9.856657	8.792153	5.197814	8.582644	8.86507	8.970451
SSRP1	9.311099	9.3731025	9.0888425	9.2069305	9.7021695	9.744713	10.2225425	9.34463	8.9191455	9.708091	9.786797	9.630385
ZNF415	6.285445	6.235447	6.313805	6.414355	4.039026	2.519981	2.578167	4.263266	5.629486	7.036148	4.54037	2.748856
MAP3K13	4.944785	4.950485	4.624828	5.026676	4.63656	4.903755	4.773497	4.6841	4.886486	5.190286	4.818151	4.477579
HLA-F	9.291533	10.25257	10.01819	9.640193	9.834537	9.896195	10.70814	9.71556	11.91379	11.20476	12.25186	11.25815
PRODH	4.830081	5.247496	4.888391	4.678516	4.653522	4.760857	5.432051	4.762711	4.610682	4.964633	4.612275	4.808367
NR2F6	5.879401	6.38789	5.365493	5.728733	6.185943	6.472908	6.574099	5.996687	5.572989	4.816085	6.120639	4.780751
CTSD	5.986786	6.448152	6.616304	7.101536	7.549462	8.209984	6.742331	7.23022	9.249508	7.44937	7.442688	7.027645
CCL28	5.918294	6.42689	6.496809	5.787872	5.285565	4.316713	5.720948	5.110913	6.55654	5.717083	4.722879	5.41016
RAB3IP	2.851646	2.802046	2.754702	3.058012	2.859483	2.940593	2.861676	2.800413	3.628781	2.848432	2.83991	2.844327
ATP7B	4.444149	4.244247	4.611858	5.151556	5.043169	6.009156	4.960728	5.453822	5.45158	5.969939	5.760043	5.948023
ZNF410	8.9637795	8.889492	9.3884255	9.4405355	9.2709625	8.7752965	9.420336	9.2812655	9.8594875	9.270126	9.723939	9.34627
B3GAT3	6.075342	6.4175675	6.1124315	6.95116	7.0914505	7.2598435	7.2476625	6.9921105	6.6682605	7.4083935	7.2393385	7.2683685
PEX5L	3.470891	3.585749	3.9825665	3.776853	7.432347	4.98156	6.7057115	7.585321	3.7920845	8.875736	6.4160735	8.93283
DHFR	8.393725	8.440669	7.394979	7.9809575	9.4958305	7.2017315	9.7700715	9.274545	7.959764	8.487091	7.497124	8.439317
NDUFAF1	8.74692	8.255509	8.363317	8.773139	8.947877	9.359816	8.808557	9.060968	8.703688	8.885869	9.403599	8.721206
LRRC1	3.9241125	3.9730925	4.002682	4.473511	5.034694	5.529241	5.3657415	5.040531	5.18067	5.5284565	4.8192195	5.245589
WNK2	5.2433955	5.605404	5.3918445	5.6246875	5.3526995	5.3702215	5.302053	5.4327345	5.3844185	5.5748545	5.324859	5.3055245
RAC3	4.708953	5.093963	4.489782	5.168888	5.597718	5.722436	5.736645	5.330903	6.332672	6.088928	6.029601	4.966174
TNFRSF9	4.143998	4.322045	4.19042	3.811314	4.272542	4.645937	3.929125	4.359582	4.110597	3.870603	4.618478	4.082969
S100P	4.285628	4.30753	4.770059	4.163904	5.516714	6.090407	4.835119	5.524163	4.08783	5.004953	8.989622	4.807938
ATG12	8.325641	8.462988	8.094956	8.252916	8.188235	8.332946	8.210258	8.168897	8.809297	7.472175	8.654337	6.919829
TXK	2.63851	2.555362	2.699516	2.730691	2.796063	3.99774	2.488148	2.678647	2.56514	2.761737	2.739653	2.660269
SLC25A15	6.4464575	6.33974	6.4268515	7.03279	7.8775105	8.2404865	8.5373735	7.829327	6.152486	7.5280945	8.0595235	7.4701965
HSF5	3.429267	3.001029	3.731422	3.578686	3.440949	2.875923	2.711669	3.092566	3.191522	3.096673	3.067972	3.259409
SLC13A2	3.3538765	3.244747	3.373969	3.495453	3.524522	3.2530775	3.331726	3.4658235	3.3720605	3.1658745	3.4728685	3.1331735
ZNF501	4.844859	4.758158	4.941347	4.880589	4.3986	4.25914	4.557218	3.890379	4.936751	5.149943	4.49952	5.067358
VPS18	6.079098	6.4349505	6.2187695	6.5496085	6.3215265	6.906881	6.3504915	6.409828	6.227236	6.2669755	6.199626	5.935551
DBP	5.3892315	6.334191	5.0676745	5.4008205	6.110695	5.371488	5.920705	6.229627	5.6045065	5.347075	5.069264	4.8114

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
SLC23A3	4.739787	4.5056995	4.976269	4.636229	4.7033595	4.6355775	4.791234	4.9337105	4.861738	4.7702985	4.9181105	4.798938
GRK7	2.546193	2.938381	2.62148	2.738187	2.7241	2.539885	2.698627	2.954768	2.626191	2.569376	2.83033	2.834748
FBXL22	3.469224	3.912046	3.784076	3.717184	3.399868	3.745574	3.562559	3.605851	3.500516	3.26972	3.609892	3.340621
RRAGD	4.6763495	4.781536	4.9802145	4.742256	5.557419	6.290643	10.0716035	5.2482	8.11179	10.4186715	8.5764075	10.3258045
ANGPT2	3.2416325	3.544468	3.3526225	3.171315	2.8279865	2.997164	3.013127	2.8963255	3.207807	2.981067	2.9596395	2.9383395
ITGB7	5.879358	6.113703	6.075255	5.647743	5.708824	5.716273	5.738238	5.304469	5.264518	5.469589	5.593166	5.508489
OIT3	3.348641	3.479032	3.507618	3.265178	3.501139	3.238346	3.319941	3.620437	3.378474	3.169625	3.363194	3.084925
APOBEC3D	4.665415	4.925901	5.286397	5.178079	5.020375	4.941573	4.720882	5.189529	4.925843	4.751578	5.018806	4.678507
FETUB	3.540357	3.863364	3.767971	3.799427	3.731722	3.802472	3.629926	3.805095	3.665199	3.354041	3.91782	3.530784
ZNF467	4.866813	5.43969	4.773575	4.645775	5.240032	5.4278585	5.3070915	5.392322	5.057519	5.038802	5.3629335	4.880966
CENPE	8.12039	7.635056	7.275067	7.791162	7.990766	5.630216	8.662984	7.80413	5.907987	7.807656	4.439159	7.562154
HABP4	6.8317555	6.508332	6.7323635	7.075188	7.405196	6.6314685	5.855334	7.5044065	6.533199	6.446568	7.090951	6.4022315
GZMM	4.709496	5.167402	4.335855	4.371291	4.014106	4.207541	4.128901	4.065476	4.274976	3.823227	4.306209	3.521016
ABI3BP	3.696969	3.336651	3.372971	3.691533	2.770026	2.895749	2.896184	2.777344	2.996351	3.218382	4.477616	3.596894
TCF7L2	8.020819	8.176037	8.52099	8.168253	9.31167	8.608269	8.198294	9.240997	7.684994	8.205077	8.843078	8.059256
COL1A2	13.46015	13.5017	13.58777	13.72488	13.09672	12.42735	11.00977	13.07026	13.58485	12.28771	11.82193	12.25173
IL12RB1	4.969052	4.746936	4.497495	4.795693	4.663239	4.538757	4.729364	4.718911	4.625516	4.386657	4.449725	4.198421
AGGF1	7.3902	7.4050125	7.664689	7.1109455	7.8927665	7.791765	7.879102	7.860338	7.65413	7.3438975	7.237479	7.2372925
ZNF687	4.691142	5.225786	4.622698	5.416931	5.245225	4.974912	5.096244	5.192432	5.47366	4.840718	5.199886	4.800291
GRN	9.573488	9.780723	9.520382	9.231481	9.941123	10.18978	8.820423	9.905506	11.37492	9.72815	10.39792	9.356706
ZFP36L2	8.176397	9.0946885	7.7568215	7.379696	7.531493	7.9486985	6.5903515	7.371189	6.797267	7.0321555	7.2757675	6.1557675
FAM71C	4.025636	3.891482	3.723375	3.840096	4.210305	3.813294	4.056529	4.181788	4.021975	3.746707	4.090313	3.635323
PTPN9	4.455338	4.450707	4.234777	4.283718	4.208612	4.168152	4.463236	4.114285	4.277278	4.556348	4.271844	4.721387
FGD2	5.652438	5.547588	5.749995	6.077099	5.719793	5.486236	5.672449	5.866226	5.499468	5.324457	5.603274	5.536263
LBH	7.779655	8.614775	9.023353	8.560997	7.94223	7.021559	5.066315	8.046767	9.631678	6.914542	8.191357	6.330991
XPO5	7.344607	7.341186	7.663057	7.351224	7.863173	8.593582	8.055565	7.655231	7.94765	7.537372	7.626317	7.799085
KIF6	3.900783	3.735802	4.015403	3.961585	4.140073	4.097567	4.32186	4.32136	4.111864	4.20496	4.100733	4.56646
STK4	4.661851	4.912688	4.276428	4.114353	5.634348	4.978391	5.263949	5.590469	4.59057	6.375467	4.939758	6.388352
NPHP4	6.024507	6.28236	6.5753245	6.175293	6.3065505	6.3894405	5.983007	6.378836	5.707362	5.957373	6.684618	6.001327
CNOT6	8.140393	7.4662765	7.7361895	8.0869875	7.9218075	8.515599	8.788758	7.901898	7.5680215	8.4005545	8.4578425	8.028413

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
TSSK4	3.613916	3.940125	3.95997	3.93305	3.680681	3.759218	3.695413	4.0125	3.684361	3.571089	3.7352	3.536092
ZFYVE26	6.998713	6.2269025	6.820735	6.8186405	6.739588	6.520412	6.5054255	6.672541	7.9784585	6.8845945	7.983208	6.7607035
SLC6A13	4.053921	4.274603	4.1459445	4.2467225	4.420173	5.3746965	4.090109	4.5196	4.214863	4.1934695	5.2225	4.436781
MAPK15	4.613011	5.1285115	4.4873115	4.7962165	4.438982	4.4098955	4.6339635	4.4321635	4.219379	4.1950535	4.2971035	4.08806
SERPINB7	8.638523	10.40744	8.518535	7.323722	4.426182	5.818063	4.361775	4.457576	4.831379	4.377003	4.582722	4.312348
PRDX1	12.17569	11.78116	11.83219	12.20856	13.19628	13.38125	12.99813	13.17595	12.18361	12.39803	12.90833	12.50291
JPH2	5.000483	5.062187	5.3654885	5.5567875	5.0427305	5.295735	4.9712235	5.030063	5.4032625	5.181836	5.5166525	4.7880535
ATP12A	5.362668	5.90889	5.485274	5.245481	5.367195	5.185692	5.418097	5.564576	5.097485	5.030092	5.333704	5.245389
CSRP1	10.06302	10.72869	10.82191	11.27276	9.602079	10.23412	8.927877	9.520111	10.30703	8.758014	9.302917	7.962763
PIK3AP1	3.517765	4.0372925	4.1153775	4.1613445	4.7232355	7.321235	7.8199865	4.647522	6.037916	5.614214	6.1900395	6.860624
MTHFD1	6.9706735	6.778281	6.420164	6.6259355	6.847292	6.712136	6.707757	6.6087675	6.854473	7.0002965	6.875007	7.182846
ABCD2	2.30078	2.206477	2.326053	2.179288	2.165706	2.114705	2.416273	2.282503	2.361338	2.174824	2.213149	2.307834
SNAI3	3.89197	3.621677	3.545382	3.513383	3.574169	3.504135	3.485139	3.665867	3.48928	3.397146	3.49318	3.471311
LRRC14	6.164015	5.847929	6.219501	6.256438	5.8611775	6.1630575	5.9283735	5.7413495	6.411703	6.038935	6.222575	6.2055595
RAD51AP1	8.796293	8.429029	7.746984	8.65825	8.748501	5.185646	9.490359	8.333476	7.496171	8.102596	6.704636	7.585001
ZDHHC3	6.339733	6.403992	6.716615	6.8343165	6.6050215	6.815609	6.541217	6.5784165	6.839387	6.582143	6.903155	6.5215555
DCPS	8.206201	7.96655	8.01402	8.380856	8.701775	8.68475	9.03327	8.514717	7.764601	8.051138	9.011017	7.914647
PI16	6.612433	7.772164	7.487844	7.312463	6.544942	6.64427	5.795737	6.617158	6.205159	6.20637	6.926788	5.932644
RNASE7	2.723779	2.913579	2.85138	2.949851	3.019839	3.09108	2.928699	2.928699	2.727894	3.04879	2.976491	2.861667
ALG2	7.473836	7.5862905	7.564076	7.543401	7.462501	8.0897065	7.5076285	7.4768125	7.8199535	7.437421	7.983615	7.7343095
TSPAN32	6.048112	6.0428475	5.6388955	5.7098245	5.6175215	5.586497	5.4360905	5.8640845	5.713019	5.341615	5.6549475	5.353911
LUZP4	5.334429	5.488319	5.272149	5.651156	5.583508	5.328983	5.402816	5.748092	5.27792	5.328983	5.222429	5.293229
PSMA5	6.9281055	6.5141125	7.250901	7.2943195	7.9801795	7.838946	7.999945	7.828348	8.910582	7.937093	8.4776955	7.675634
PRMT6	7.827327	7.437968	7.584335	8.359992	8.710232	8.338427	9.23422	8.554527	8.52253	8.527802	7.635544	8.477243
C1QC	3.988806	4.240066	3.900519	4.296239	3.900519	3.938022	3.763583	4.066438	4.108655	3.836053	3.965867	4.176181
FOXK1	4.736607	5.0979525	5.078437	4.854814	4.6902805	4.7729985	4.7949795	4.9857095	4.7730795	4.776422	4.7653075	4.74666
NLK	5.489402	6.0674275	6.5493275	5.953285	7.537182	7.4574525	7.979737	7.648411	6.0793575	7.4443095	7.2058865	7.6692365
EIF4E3	5.305187	6.0474465	6.3874305	5.231447	5.1419995	6.058499	7.04766	5.3156505	5.367474	5.6951425	5.2494715	5.274016
NEUROG1	4.748547	5.119927	4.758346	4.496304	4.614131	4.75222	4.764669	4.753942	4.691647	4.352629	4.829797	4.336319
YWHAE	8.758461	11.60584	9.7329005	10.0470525	9.1388665	9.4688425	9.1452135	8.9233615	8.602209	8.1198735	8.8170655	7.533138

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
RPL36A	3.85458	3.862919	4.171926	3.762922	3.963407	3.473305	4.185262	3.928012	3.868196	4.348692	3.856743	4.195123
MANBA	7.332611	7.438526	7.542499	7.776666	6.358126	6.566034	6.529495	6.579374	8.532084	7.45121	8.293854	7.216486
LY6H	3.326575	3.565094	3.424274	3.41026	3.634781	3.462651	3.382925	3.55204	3.479925	3.776143	3.477505	3.394797
HAVCR2	4.1083215	3.8443175	3.645971	4.053168	3.7675905	3.9182365	3.7200235	3.8186605	3.592587	3.805651	3.916496	3.7126885
PHTF1	6.8097485	6.236778	6.7960845	7.2657845	7.691166	6.883895	6.6119265	7.7351185	7.379872	5.828781	6.562586	4.5515845
DAPK2	5.7858685	5.7071215	6.622206	5.4763275	5.060015	4.4855255	4.7987615	4.7767845	5.2126065	4.7689025	4.8295095	4.685506
SCNN1B	3.87594	4.227692	3.998945	4.172055	4.053223	3.995485	4.14042	3.949467	3.671856	3.596877	3.78632	3.298799
DHX34	6.106482	6.349841	5.473839	5.871255	5.8589	6.604536	6.102634	5.933886	5.463595	4.763938	5.940556	5.141816
SENP6	6.447858	5.850927	6.520943	6.362847	5.846576	7.50402	6.395762	5.79594	6.96277	6.238624	5.400117	6.1221
AREG	3.1665365	3.347897	3.3538545	3.5895305	3.1392915	6.5361585	3.39531	3.4404365	3.5302125	3.182848	3.851913	3.040687
GALNT14	5.6437095	4.686059	5.058005	5.00912	5.296048	7.6993835	4.910284	5.359823	5.9330395	5.059017	6.8686055	5.639812
NUAK1	6.757187	7.782451	8.247422	7.769997	7.038002	7.533876	7.791448	7.041035	9.559232	7.549337	8.726307	7.924371
SP2	3.497503	3.738695	3.641181	3.564372	3.68023	3.673572	3.700262	3.684775	4.003035	3.393029	3.6346	3.695797
FLII	9.160868	9.038962	8.907674	9.011227	8.45938	8.87503	8.493085	8.485432	8.42031	8.112862	8.038202	7.741132
GATA1	5.995668	6.201998	5.883274	5.7144285	5.77216	5.9061895	5.6950035	6.0623845	5.8601095	5.6915365	5.9344155	5.7821465
DUSP23	7.550066	7.438571	7.298389	7.593037	8.266909	7.825651	8.298347	8.096644	8.533884	8.396883	8.258094	7.619702
PIGL	4.62495	4.818151	4.862605	4.287704	4.545083	4.273766	4.016991	4.386613	5.912863	4.338367	4.945076	4.580201
CHRNB3	3.1857885	3.199313	3.2260275	3.3472825	3.4013885	3.181773	3.301043	3.53863	3.4009895	3.323008	3.4130505	3.1341095
ADA	7.9447105	6.839648	7.4529745	7.9295725	7.791934	8.5359645	7.368588	8.0097305	6.939043	6.9363195	7.792166	6.777852
CBLN2	4.138593	4.139477	4.465611	4.295089	6.487975	4.550023	6.355903	7.047689	4.497528	9.978949	4.782291	7.758222
ERCC6	6.114382	5.7201	5.92041	6.735864	6.609152	7.3012975	6.429069	6.6601835	6.2729895	5.906376	6.0502315	6.6225065
SBK1	4.0254775	4.6159905	4.1531035	4.1225065	4.4462915	4.1934835	4.38443	4.3242155	4.3711845	5.5083455	4.125793	4.508944
PPP2R2C	4.0705095	4.0929575	3.8501975	4.243931	4.136989	4.873329	4.145846	4.152091	3.9367835	3.9115535	4.1521385	3.99008
SAMSN1	3.081782	2.267363	2.449456	2.5808	2.272127	2.332076	2.23716	2.314933	3.062406	2.592624	2.618359	2.398097
NPR3	8.711153	9.645851	9.920818	9.413544	4.227566	5.573628	3.849427	3.921739	5.146338	3.76779	3.71335	4.052119
GPRC6A	5.295324	5.168212	5.492931	5.378854	5.491586	5.211961	5.295324	5.406596	4.914677	5.187409	5.208566	5.413383
ARPC3	8.2696575	8.20745	7.920742	8.120795	6.996296	7.970304	6.8558395	7.091286	7.952703	7.952139	7.690525	8.0696165
PDCD7	6.6579765	6.955292	6.8773935	6.924367	6.83685	6.5950625	6.8941255	6.759217	6.7649605	6.664147	7.0358265	6.8906235
ANG	7.420623	7.479864	7.943467	7.135576	5.262172	5.171796	5.270739	5.140891	5.517265	5.727379	4.756094	4.869762
PROP1	4.418706	4.495754	3.798895	4.184421	3.714282	3.697291	3.793682	4.014547	3.847246	3.719953	3.730497	3.216506

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
ZDHHC24	6.930675	7.261643	7.030452	7.05395	6.982233	7.066798	6.780264	6.900498	6.634657	6.876284	7.236388	6.795475
RAB14	9.453016	9.163647	8.789175	9.014342	9.323106	9.227439	9.447485	9.096715	8.579878	9.022296	9.077034	8.271961
NDN	10.14937	10.15742	10.66429	10.26588	4.675965	4.253836	4.16116	4.851152	3.904905	6.248284	4.614579	4.177588
HOOK3	6.666791	6.348362	6.261277	6.251914	7.05968	7.193934	7.213641	7.109665	6.230025	6.910019	6.361941	6.892768
ZNF543	2.540491	2.634694	2.689461	2.422927	2.562774	2.888613	2.597461	2.531939	2.62962	2.818717	2.897701	2.565739
CD2	4.930797	5.349894	5.078192	5.442769	5.450516	5.006623	4.929203	5.257554	5.22971	4.850763	5.200796	4.764668
FLRT1	4.865558	4.83778	5.291391	4.661454	4.644808	4.309645	4.647029	4.769582	4.915757	5.507998	5.10597	5.183283
PRTG	3.040001	3.241175	3.178444	3.092199	4.206514	4.241075	3.201551	4.266421	4.256821	4.070212	4.558339	3.450696
ELAVL1	6.617818	6.9671245	6.989121	6.4412135	6.986675	6.8465205	7.37368	6.639451	7.199743	7.2517095	7.041083	6.997059
SH2B1	6.517234	6.731604	6.676267	6.4547195	6.609346	6.3344205	6.4050665	6.570716	6.241397	6.6491425	6.2257185	6.4982775
NEGR1	6.0786275	6.2242085	6.9526435	6.403375	3.5870115	3.5786795	3.0484035	4.0836895	5.2438325	4.5295015	3.212061	3.9743655
SYT8	5.225377	5.012303	5.057053	5.368998	5.028781	5.336576	5.116621	5.083442	4.987908	5.168212	5.290536	4.639644
UGDH	10.30797	10.60462	10.39117	10.74042	9.62176	9.654942	10.18165	9.402344	9.568548	9.477577	9.389737	9.314577
HAND2	5.055916	5.421788	4.996636	4.6448	4.622258	4.586634	4.273907	4.764668	4.498445	4.665888	4.699392	4.688805
LACRT	5.013832	5.013372	4.99202	4.709088	4.709088	4.824622	4.506717	4.917327	4.382992	4.571271	5.023115	4.307897
MED12	6.861156	7.0674735	7.1992655	6.3047635	6.5297825	6.4290115	6.2307915	6.46188	6.071022	6.469869	5.861504	6.636247
SPATA13	5.0639425	4.7668085	5.4529575	4.978132	4.785189	4.892103	4.7745895	4.9701785	4.7336025	4.610277	5.062859	5.17614
RBM3	8.7521595	8.3146875	8.031903	8.2903055	8.723793	8.608982	8.859828	8.5555775	8.460454	7.986972	8.3461785	8.0003355
ZNF581	8.103461	8.731186	8.316529	8.146355	8.914895	8.664847	8.681683	8.874126	8.260548	8.943933	9.143694	9.171429
DDX41	9.5239	9.701557	9.884624	9.440393	8.96178	8.530221	9.000271	8.937573	8.194864	8.983181	9.011262	8.788815
UBL4A	8.239678	8.267861	8.615	8.398521	8.32083	8.1592	8.658135	8.176983	7.791705	8.110412	8.975865	7.963794
ERCC4	5.714029	5.2608095	5.437308	5.8704485	6.1756585	6.245431	5.9667915	6.138694	6.337986	5.896674	6.026489	6.076746
THEM4	6.164903	6.022364	6.59867	6.519633	7.28792	8.162066	7.959035	7.293485	7.306613	6.964172	7.582273	7.22637
IGFALS	5.051179	5.441784	5.013083	4.962996	4.903451	4.985972	4.842656	4.809748	4.82423	4.566905	4.682956	4.688587
RAB32	7.5519485	7.185083	7.563682	7.827746	8.629638	9.644794	9.3104265	8.9532865	9.139421	8.3161425	9.507709	8.0697215
CAMKV	5.321236	5.375592	4.853242	5.295866	5.004246	5.422264	5.499964	5.481326	4.917368	5.088082	5.09246	5.146429
PRPS1L1	3.841636	3.878126	3.735278	3.600834	3.754377	3.970743	4.071161	3.793429	3.594062	3.688406	3.566124	3.074054
TMEM65	6.515832	7.374104	7.343074	6.1624475	4.6677885	5.1559415	4.114901	4.7945605	7.7044045	5.1371675	5.357036	5.0118335
SUB1	10.90303	11.000095	10.821865	11.240475	11.62394	11.374165	11.53291	11.479775	10.534415	10.84444	10.88162	10.888755
GSTM3	7.564745	7.8550595	8.0197435	8.1105925	7.6727915	9.892249	8.6670495	7.640034	7.6470935	8.0356605	7.3212315	8.534273

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
CALCR	3.8552935	4.0719675	3.9622055	3.890712	3.9927455	3.7670185	3.8956455	3.7456705	3.9298375	3.8247225	3.8346035	3.806025
N4BP3	2.772417	3.055886	3.378216	2.90367	2.73063	2.62592	2.889487	2.962156	3.019582	2.867081	2.842847	2.944424
MAP2K7	4.772231	5.746251	4.871726	4.77263	5.408463	5.810958	5.334708	5.211935	4.935102	5.488801	5.022995	5.839717
GPT	5.847577	5.98868	6.0191	6.111553	6.095046	6.277893	5.875993	6.161179	5.869598	5.638549	6.242917	5.54088
NDUFA10	4.306645	4.038097	4.624762	4.529302	4.693249	5.151642	4.450499	4.294264	5.107492	4.10587	4.575046	4.275047
MYCT1	3.534953	3.5395465	3.6394925	3.6616465	3.5565505	3.707341	3.5770235	3.5422765	4.550665	3.355857	3.6916205	3.487536
CFDP1	5.802587	5.444074	5.687558	6.14782	6.608173	6.592839	6.366563	6.315598	6.06775	5.882671	5.793066	7.498405
CCNG1	11.2911	11.66182	11.18053	11.43271	11.83911	11.8899	11.55798	11.85733	11.41305	11.48878	10.62926	11.50921
GCAT	7.2191605	7.651987	7.4480985	7.803956	7.765175	7.9703455	8.052174	7.660722	7.1370135	8.1512665	7.8638375	8.509379
CCL11	3.762822	4.057703	3.764926	4.126602	3.990667	3.823031	3.942263	3.76602	6.676149	3.692111	3.768848	3.646419
WFDC2	4.358972	4.786283	4.485106	4.489574	4.618613	4.720092	4.450709	4.600121	4.565368	4.413401	4.603603	4.296699
DENND1B	3.837516	3.476455	4.337766	3.703484	4.7149065	4.673355	3.849867	4.8555425	4.00822	4.9684625	3.757561	4.8899625
RNF10	8.863937	8.6729565	8.4916275	8.8966935	8.214034	8.712799	8.550373	8.3433175	8.4988715	8.385151	8.522409	8.3819885
GPR135	4.429611	4.525867	4.801342	4.445523	4.488534	4.190216	4.069106	4.308743	4.401584	4.310944	4.106126	4.412057
FAM102A	5.9030035	6.7985075	6.2210855	5.9737595	5.8912245	5.9548215	5.6007045	5.8612235	5.6798125	6.096548	6.460901	5.815803
PSG4	6.702747	10.22166	9.890545	6.25381	6.577576	7.49863	5.222992	7.071781	5.736973	5.346274	5.428605	5.240055
DUSP14	9.506968	9.549532	9.811819	9.919883	9.957926	10.75989	8.755375	10.0063	8.859276	8.996311	10.26503	8.472056
SCD	7.607427	8.555433	7.978891	7.717948	9.529736	9.7607805	9.9703465	9.3711815	9.3420575	8.165527	7.296354	7.009536
TOM1L2	6.43711	7.06601	6.721061	6.493185	6.511928	6.714243	6.353969	6.59176	6.084753	5.911328	6.076334	5.80019
TBCA	7.417606	7.586082	7.6796295	7.564824	7.7917505	7.7791105	8.06757	7.901783	7.562319	8.153407	7.902651	8.2784975
SPAG7	9.254885	9.473663	9.333023	9.262009	9.612203	9.472788	9.593557	9.715899	9.416088	9.272465	9.51528	9.602853
KIAA0355	7.756555	7.920225	8.160666	7.345258	7.489565	6.698629	5.926997	7.549104	7.986252	7.524214	7.92351	7.565669
NELL1	3.982046	4.046662	3.991719	4.017998	4.8003515	5.080601	4.194878	4.699997	4.054188	6.0267095	4.943169	4.8919295
CLDN12	6.184864	5.9388215	5.991882	6.097596	5.7890365	5.736956	5.9635545	5.8249805	6.749455	6.073875	5.9933675	6.070195
OMA1	6.767083	6.974931	6.95725	7.312512	8.51997	8.70154	8.346959	8.538835	7.798741	8.342181	7.979721	8.768184
TTC9B	4.8740535	5.221942	5.0761365	4.718105	4.813352	4.8619315	4.8699485	4.618029	4.594904	4.3893	4.77457	4.120249
SIAH2	8.001562	8.493522	8.89736	8.272144	7.216259	7.517289	7.795044	7.085714	8.504738	7.437483	7.286399	6.97666
MARCKS	9.805859	11.08963	9.643867	10.43883	8.424446	8.22945	8.946993	8.365593	10.67605	10.72413	9.120701	10.08886
MTAP	6.370534	5.827914	6.086412	6.5540975	6.801515	7.547627	7.215784	6.7678465	6.2745765	5.343035	6.6578085	5.476244
OR5P2	3.383928	3.219694	3.372569	3.79039	3.693303	3.515161	3.636654	4.29301	3.608577	3.760134	3.68868	3.581919

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
RNF125	4.2887575	4.7032355	3.959063	4.321267	6.6889635	7.9251055	6.8512255	6.641989	4.9271165	6.324845	6.5770645	7.7366165
SETDB1	6.8334575	6.775481	6.4320765	6.8343785	6.796485	6.690304	6.936254	6.878906	6.406622	6.6157825	6.6510485	6.7867325
FBXO8	8.225438	7.8231865	7.8178905	8.0959295	7.8944675	7.471315	7.620823	7.9455055	7.9010275	6.9530655	8.132944	7.3332715
TRAM2	10.77859	10.11617	8.243462	9.834501	7.248121	8.511424	8.089944	7.323971	8.937077	7.679898	8.12419	8.430641
PXMP4	5.799759	5.793609	5.618683	5.490583	6.86032	5.514811	6.412231	6.635262	5.645413	5.622647	6.389296	5.771929
ADRB2	4.309645	3.50493	3.540836	4.708329	3.618499	5.188625	4.332104	3.684775	3.950562	3.388032	3.551263	3.982356
A4GALT	5.832697	6.440173	5.681293	5.835666	5.246103	5.352589	5.433735	5.445907	4.909221	4.974864	5.061032	5.033099
LRP2BP	3.386934	3.298763	3.900519	3.575113	3.396609	3.755353	3.684597	3.626421	3.809805	4.03195	3.436168	3.873289
FKBP9	9.475662	10.22195	10.97214	10.59255	9.77477	9.437705	9.225885	9.824442	9.643444	10.60559	10.14572	10.01656
DLX6	3.219015	3.131446	2.97413	3.266235	3.998172	2.799693	5.220991	3.560021	3.472928	4.683039	3.130645	3.045591
FADD	9.112513	8.957461	9.089602	9.171373	8.898396	9.439734	9.01402	8.698742	9.405174	8.374413	9.317803	8.144726
PRKCE	5.329729	5.367724	5.0755685	5.552794	5.0387325	5.2814855	4.63731	4.9529335	4.793234	4.4922415	4.999876	4.6839625
SLC6A14	2.445057	2.381038	2.255385	2.301162	2.432316	2.355506	2.471878	2.282503	2.173961	2.361913	2.306974	2.417428
DNAJC8	8.55082	8.011535	8.072688	8.39659	8.939271	8.492382	8.854962	8.786606	8.676143	7.879363	8.201055	7.703798
RNASE3	5.680162	5.814782	5.701991	5.972831	6.154655	5.979441	5.667147	6.171262	5.813632	5.691179	6.005599	5.690108
TACR3	4.330489	4.655793	4.87885	4.404016	4.471036	4.097567	4.114353	4.621781	4.439809	4.058104	4.38028	4.047812
LIMS1	6.5918045	6.368263	6.51252	5.6177675	5.8644895	5.845268	5.8595155	5.828978	7.1864025	5.667993	5.5255625	5.919406
GLUD1	9.26345	9.7841205	9.484236	9.6403205	10.211605	10.754085	10.5414	10.12794	9.8069785	9.6890165	10.583825	10.370623
MMP3	13.58991	12.19854	11.19635	12.00277	6.567771	6.61214	4.638165	7.030783	4.263676	6.440312	9.946662	6.659399
LIX1	3.0508015	2.9893825	3.0626385	3.299701	6.8899805	6.5065845	6.99751	7.1532735	3.0801595	4.508351	3.1724515	9.086695
TRIOBP	8.516708	8.7009565	8.7341715	8.6832665	7.371514	7.24839	7.109401	7.257221	7.985675	7.347096	7.6296645	7.1905515
PPIB	11.409865	12.133135	12.38229	12.576515	12.315515	12.555265	12.28249	12.395035	11.29019	12.60461	12.14388	12.4253
PWP1	10.25634	9.893257	10.01448	10.1023	9.605031	10.12964	9.810169	9.651317	9.692945	9.082605	9.959667	9.31065
PAQR3	5.6553625	5.2473635	5.527856	5.686456	6.2795865	6.233241	6.8044445	6.481643	6.07616	6.228102	6.257959	6.272695
MLXIP	5.59171	6.272623	6.204555	5.855818	5.4778725	6.4949875	5.787051	5.3572685	5.5744545	5.5044925	5.575135	5.6893215
GLI4	3.966103	4.2014505	4.033538	3.9958845	4.0610505	4.064804	4.0156535	3.9343365	4.157053	4.0276895	4.113505	3.777651
KRT13	3.218241	3.361404	3.182441	3.585376	2.841569	3.05306	2.967021	3.073993	2.730196	2.864448	3.347902	2.554327
HTATSF1	8.205762	7.9816925	7.672981	7.879229	8.763832	8.2524365	8.794286	8.4927875	8.7013895	7.6490015	8.04804	7.6882085
FNBP1	6.8046695	6.609967	6.356856	5.988627	6.8684775	6.485864	7.3123335	6.7537135	6.149869	8.5918605	6.5127905	8.8034455
KBTBD7	4.824211	4.261056	4.292399	4.949573	6.458163	6.065083	6.849092	6.252518	4.849459	6.615714	5.220239	6.647625

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
APOA2	3.1462475	3.368291	3.371395	3.1937985	3.137306	3.404203	3.330404	3.096201	3.2469365	3.0768335	3.3101205	3.108837
SLC6A18	5.245701	5.725657	5.594953	5.249565	4.98062	5.205647	5.251199	5.108596	5.117702	4.627746	5.117702	5.023165
FCER1G	4.095586	4.039581	4.0095605	4.265904	4.044979	4.0539915	4.1335575	4.2911425	4.2360015	4.347845	4.6396365	4.02291
SLC39A1	7.297833	7.239596	7.20152	7.454343	7.112264	7.39202	7.57173	7.061442	7.303006	6.523169	6.692322	6.241583
MRPS2	7.938599	8.306897	8.285866	8.277726	9.159319	9.772629	9.583205	9.082592	8.358864	8.59988	9.646055	9.080496
GPI	7.8872475	7.768178	7.9779315	8.1205955	7.8627025	7.9004915	7.6593635	8.0822395	7.252819	7.989354	7.4954155	7.7667535
ARHGAP29	4.220442	4.3473895	5.9025215	4.473711	3.1426695	4.390222	3.2966435	3.4534555	4.5876755	3.166055	3.424544	3.1223515
TAS2R38	4.224718	4.311728	4.321734	4.720589	4.50144	3.997708	4.614932	4.832657	4.406589	3.981686	4.402672	4.294863
SMAD3	7.836906	8.5016125	8.0166465	8.0199365	6.839227	7.6842815	7.026723	6.771789	6.385552	6.9233625	6.85212	6.5938215
FAM9B	2.856449	2.9993895	3.0249025	2.97548	2.976222	2.888245	2.6613745	2.895745	2.784989	2.6952825	2.7977495	2.8516635
GAST	5.372532	5.454488	5.475968	5.189958	5.246927	5.150125	5.355042	5.067653	4.997945	4.991335	5.340384	4.755527
MAP3K14	5.069619	5.389938	5.751833	5.567799	5.159678	5.304157	4.619038	5.107545	5.913342	5.065669	4.969091	4.855675
KDR	4.548388	4.034256	3.992474	3.961977	3.788913	5.558906	8.142838	3.726744	6.359352	9.33473	6.607535	11.06876
ZNF221	4.5743205	4.587484	4.6636865	4.493842	4.826713	4.6011575	4.476539	4.791126	4.518588	4.394542	4.7604885	4.6423715
COL2A1	4.336397	4.5734145	4.2703045	4.5155115	5.533141	4.7221885	5.600208	5.300363	4.0962255	6.3116295	6.6286895	6.0052755
CHN1	9.571045	10.07275	10.70874	10.17638	10.82197	9.772812	12.12568	10.75509	7.880096	11.38788	8.27947	11.29112
EHD2	9.987163	10.32208	10.44917	10.66926	8.483839	8.220332	8.222599	8.409414	8.687464	9.013822	7.668466	9.038103
AANAT	3.287654	3.54312	3.534403	3.607389	3.474471	3.595807	3.529503	3.704465	3.65912	3.490042	3.774993	3.157352
APH1B	7.241502	7.061864	7.2752085	7.660034	6.995981	6.4367885	6.599908	6.993128	7.369402	6.4255955	6.883397	6.301597
AFP	4.862604	4.664362	4.478192	5.276281	5.493407	6.860858	5.553504	5.625282	6.122764	4.490626	6.67713	5.130933
TIMM17A	7.769323	7.2501935	7.4715785	8.0276735	8.666568	8.9503495	8.737734	8.698699	7.723307	7.221717	8.0856455	7.159194
THAP5	4.9643555	5.046255	5.018342	5.8839595	6.7007375	7.0800915	7.4379895	6.521523	5.423127	5.5937175	4.850174	5.049971
AKT3	6.508208	6.9258	6.28585	6.271372	3.773505	3.896168	4.331395	3.860075	5.783348	4.796334	4.060452	4.3073
SH3BGRL2	5.056926	5.312337	5.320101	5.259465	6.575349	6.278394	6.388455	6.935853	6.872417	7.226625	5.99003	7.080372
CLCN4	3.605059	3.70373	3.891717	3.763849	3.775764	3.781822	3.646818	3.76065	5.200476	4.693364	4.885687	4.610896
MYL9	7.97349	8.675255	8.4348285	8.611301	7.896807	7.078618	7.825694	7.8049305	7.37026	7.0939995	6.106109	7.082296
RNF25	6.352115	6.590074	6.599216	6.949338	7.058279	8.206498	7.23281	7.217552	7.496759	7.084682	8.22888	6.715755
RRAS	9.84761	10.35904	9.51043	9.915824	7.706624	8.920617	7.366234	7.743842	9.504176	8.800018	9.585752	8.206196
MPP3	5.862657	5.774095	5.738532	5.579995	5.502618	5.50047	5.169048	5.464239	5.407099	4.80746	5.59449	5.110912
CPNE8	4.455498	3.673871	3.44164	4.535168	4.336617	4.690037	6.251084	4.713479	4.634066	4.769871	5.494627	4.873239

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
CSRP3	2.988211	3.205698	2.955964	3.33996	2.887025	2.944163	2.833121	2.734824	2.83047	2.840873	3.025421	2.651549
ANXA4	10.25753	10.067847	10.370685	10.208487	10.79396	10.318222	10.518485	10.739075	10.32177	10.463728	10.92507	10.95897
ITGB5	8.124529	7.833486	7.992681	8.068967	7.4965375	7.508987	5.9733305	7.414175	7.539665	6.3522035	8.1056345	5.5615875
SEC22C	6.4281015	6.2709195	6.6625075	6.2861685	6.726268	5.888987	6.5429475	6.5057175	6.121196	5.505175	5.8745855	5.512125
CD38	5.580692	5.708205	5.621947	5.909967	5.962711	5.766501	6.017468	5.893391	6.445592	5.581369	5.718972	5.520014
BNC1	6.702825	6.5719195	7.074012	6.7922115	3.8527125	7.1919555	6.4757695	4.1111825	8.1433915	5.1518355	6.1973385	6.431157
ASCC3	7.830446	7.432353	7.792362	8.284199	8.4318435	8.963242	8.276573	8.445147	7.815419	7.869397	7.464903	7.804427
SLC4A4	6.651173	5.968642	6.35755	5.642365	2.922721	3.972972	3.050218	3.239917	4.912615	3.09242	3.229754	2.85126
SLC29A3	7.08951	6.637297	7.183163	6.660038	7.538003	8.27174	6.809602	7.613395	6.741978	6.887516	8.016525	7.059044
CTNNB1	5.52835	5.14384	5.217436	6.539524	9.158961	8.305775	8.867628	9.013755	8.72733	8.319991	7.787256	7.91118
SKI	8.039727	7.995414	8.010811	7.5301185	7.8226035	8.408031	7.6573175	7.886802	8.2644535	8.3558935	9.256979	9.0542305
FSTL4	4.11176	4.737514	4.777683	4.609817	4.739941	4.562851	4.468112	4.883824	4.443784	4.698569	4.592804	4.970921
GNB1	11.02978	10.81176	10.58382	10.50247	9.897846	9.948265	10.16548	9.837704	9.620215	9.642855	10.37933	9.489742
SNCAIP	5.28529	5.561286	5.223383	5.281349	4.684048	4.434114	4.190465	4.674543	5.171721	4.641973	4.520342	4.419703
IAH1	9.5226145	9.964632	9.7425615	9.5423195	9.3763055	8.5963395	9.028802	9.3628355	9.278453	8.826396	9.2567825	8.4380115
PAK1	6.4947305	6.25459	6.2333385	6.049894	6.6218945	6.9858365	7.2227225	6.541043	6.413967	7.9181505	6.7161865	7.8819505
MLNR	3.643629	3.380337	3.562878	3.387864	3.205991	3.508575	3.4997	3.34945	3.175746	3.2772	3.537387	3.255641
PLA2G2F	3.382832	3.61816	3.649689	3.457603	3.411154	3.118796	3.198728	3.205412	3.373721	3.115587	3.435649	2.979343
CRNKL1	8.119805	7.640405	7.926214	8.087048	7.562958	7.812623	7.832537	7.447094	8.519939	7.366685	7.466804	6.616532
TRIM59	7.4375025	7.9576255	7.435796	7.011241	7.797497	7.3949745	8.3948155	7.6392355	7.4504905	7.381709	6.5740705	6.9336165
SEMA4G	4.85376	5.1413865	4.568302	4.8686455	4.375019	4.433555	4.566524	4.421842	4.612697	4.7697245	4.09273	4.5986805
PDZK1IP1	3.923392	4.6031975	4.075112	4.476334	4.3267245	4.9882335	4.0814795	4.469869	4.081976	4.198516	5.96011	4.0418935
NOTCH1	5.8807995	6.0719845	5.7991425	5.801335	5.80281	6.52601	5.8331825	5.9182295	5.798896	5.981494	6.045754	5.813856
FCRL3	3.433519	3.9426195	3.4964125	3.9700455	3.5851885	3.369337	3.4803915	3.6107305	3.4755255	3.281769	3.6681245	3.2568675
C5AR1	3.329459	3.248723	3.658681	3.540194	3.543088	3.85361	3.49499	3.458902	3.412894	3.773765	3.859428	3.472979
JAM3	7.822038	8.018326	6.989867	6.743067	9.44237	10.53297	9.012982	9.694225	6.688799	6.104605	8.664091	5.329034
POLR2J	10.20642	10.3744	10.10376	10.17825	10.69624	10.42875	10.51413	10.68131	10.46279	10.02425	10.67124	10.00751
ZFPM2	5.331466	6.57198	6.256106	7.25378	4.404554	7.367393	3.393723	4.802145	8.029078	4.796959	7.758043	7.212169
GPR85	3.912018	3.847906	4.0389255	4.531134	4.6217135	6.0565	4.5164405	4.7229825	4.203158	4.3371125	4.80856	4.658059
BCL9L	7.283685	7.320196	7.223128	6.6500675	5.6601815	6.0525035	5.8214185	5.7249735	6.191945	6.2886595	6.237931	5.8505255

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
GDF11	5.834719	4.974262	5.362801	6.155094	5.645796	5.280612	6.249009	5.843396	5.107493	5.948363	4.943587	5.625575
CLEC4D	3.9506165	4.1970865	4.174195	3.9567175	4.0033415	3.977933	3.788686	4.171588	3.973905	3.886562	4.0580635	3.7457515
KEL	4.600199	4.770569	4.743186	4.689458	4.571565	4.414219	4.730077	4.733543	4.4101	4.616793	4.681413	4.130102
RBBP4	6.3320665	6.188958	6.154567	5.7519905	6.2247925	6.112815	7.2388925	6.0405075	6.4436965	7.1100635	5.934536	7.010779
CPA5	4.759434	5.289237	4.842725	4.744072	4.621024	4.746163	4.641696	4.802145	4.799451	5.016059	4.973116	4.640845
EIF2AK1	8.509565	8.438837	8.158154	8.6158995	8.0989935	8.4912865	7.830338	7.7485215	7.9305045	7.895987	7.6303345	8.1161285
ATRNL1	3.512944	3.98518	3.779535	3.789477	6.83313	4.273504	4.122775	6.669045	5.824968	6.610846	4.055892	5.874467
CDK4	10.43539	10.69204	10.26098	10.25493	11.15235	10.19793	11.10523	11.09636	11.61765	10.81744	11.22448	10.51823
ST6GALNAC4	6.8207385	7.069086	6.7055825	6.7419365	7.4287985	8.366761	8.3499105	7.402253	6.32018	6.6010955	8.1573465	6.3729565
CIB3	3.878975	4.145656	4.1365475	4.0580805	4.1380415	4.2652565	4.079227	4.1801615	3.724394	3.698663	3.997669	3.8138855
PIK3C2G	3.253676	3.359337	3.36357	3.290578	3.572411	8.906405	3.362185	3.549809	3.324385	3.048789	3.558105	3.219232
SLIT2	11.8419	10.33447	10.81676	10.80675	8.263695	7.507895	7.10364	8.442094	5.530384	9.608766	6.880601	10.70675
CCDC28B	5.140919	5.047938	4.707339	5.387803	5.8477015	4.566721	5.874469	5.7368435	5.1188225	5.8692515	5.363507	5.844943
SH3PXD2B	6.997251	7.346077	7.180238	7.1256895	7.309284	6.809268	6.9830275	7.458776	6.9410305	7.4726925	7.144703	7.2019875
AMBN	4.314172	5.154983	4.281649	4.751698	4.708267	4.578779	5.00808	4.787456	4.683896	4.420472	4.769512	4.361327
SERPINB6	4.6451505	3.356883	3.7878865	3.986321	4.531815	4.417442	5.1842935	4.8376595	4.029639	5.6028665	4.7966205	5.893669
RIN2	7.220116	7.2018455	7.3618825	7.399042	7.2783135	7.1040355	6.955827	7.1695395	7.6676125	7.2513205	7.152607	7.0953435
RNF121	6.544162	6.619558	6.547678	6.093504	6.283416	6.527976	6.382001	6.396602	7.339848	6.666509	6.976058	6.392778
ZNF621	6.881411	5.542305	6.180321	5.952848	5.129118	5.448672	5.139685	5.242746	5.444675	5.194527	6.250126	5.446869
IFNA2	3.121092	2.911134	3.031418	2.894431	3.035618	3.11039	3.09829	3.218236	2.916324	3.035618	2.945792	3.108643
LMBR1L	7.035837	7.353633	7.225608	7.438723	6.308573	6.377744	6.38514	6.491175	6.756961	7.236621	7.45586	6.840209
MFHAS1	7.151575	7.113912	7.6682065	6.928801	6.8837865	6.9698575	7.4473685	6.777068	7.447847	7.858161	7.506338	6.891176
TMEM100	4.824202	3.405892	3.855917	6.013435	8.356147	8.214447	10.07279	8.361662	4.125659	9.893558	8.683291	9.138867
ZNF627	6.4003475	6.279113	6.200964	6.184315	6.0862715	5.896931	6.141409	6.240439	6.4868855	6.508963	6.2710555	6.335404
KIAA1191	10.90292	10.65259	11.0505	10.76527	10.06633	10.56511	10.01454	10.23358	10.1453	10.37348	10.2842	10.25711
EXTL3	6.2113725	6.457483	6.337525	6.7613685	6.373608	6.830691	6.2882185	6.3205735	6.2047895	6.3111805	6.079896	6.2369895
VCPIP1	5.509666	5.3804485	5.732801	5.545172	5.4128645	6.0681665	5.251399	5.5495105	5.902135	5.060937	5.800121	5.0130865
TBC1D21	4.971608	4.771305	4.824028	4.748224	5.399423	5.246777	4.945374	5.241408	4.881325	4.850764	5.307914	4.664641
SLC7A6OS	6.88999	6.7523855	6.511396	6.6364345	6.6719815	6.497955	6.8395825	6.6517905	6.5148905	6.740161	7.1251575	6.695585
PPIH	8.985544	8.890968	8.442257	8.841825	9.43958	8.073853	9.32793	9.181679	7.870201	9.184437	9.089891	9.061146

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
TRIM42	3.443543	3.448977	3.337157	3.26043	3.282604	3.312162	3.407432	3.260617	3.404578	3.482886	3.550658	3.428772
STX11	3.3330915	3.5900105	3.258467	3.7037765	3.401358	3.572969	3.605928	3.3317295	3.6837265	3.2717255	3.558463	3.2217375
RPAIN	4.568598	4.577707	3.996547	4.229681	5.23675	5.004322	5.567163	5.305245	5.433571	5.462306	5.261957	6.133988
ARHGDIB	6.706142	6.518954	6.072384	6.778218	6.359535	8.027131	4.901566	5.657359	6.024559	4.466045	6.262806	5.490274
CCDC117	6.8896525	7.0771385	6.7465895	7.085677	7.8810155	7.670926	8.295254	7.972872	7.339316	7.2363845	7.3728735	6.9808615
CUL2	6.9632555	7.0127795	6.9563555	7.8180315	7.3411055	7.4667435	7.4988735	7.389384	8.4604915	7.141237	6.8293215	7.082953
NMBR	3.087808	2.55856	2.747386	3.051431	3.089708	2.815997	3.226188	3.070057	3.059542	2.955087	3.365786	2.993517
SPAG17	3.0557445	3.237286	3.221641	2.9842355	4.6796335	4.580312	4.1866875	4.996119	3.0553115	5.1105975	3.7433375	6.436539
KIAA1522	6.935262	7.515051	7.393316	6.953013	6.743786	7.023808	6.711801	6.76267	8.106092	6.801033	7.340098	6.648733
NFU1	9.329445	9.050318	8.999966	9.339686	9.025998	8.820865	9.018326	9.118338	8.966172	8.309475	8.345035	8.342265
ANKRD11	7.4003425	7.416457	7.4176315	7.520065	7.629921	7.895318	7.996795	7.723045	7.9464565	8.591264	8.331346	8.7034695
PHLDB2	3.368885	3.195663	3.090191	3.308425	3.11669	3.653123	2.997592	2.931014	3.787663	3.044198	3.156765	2.832005
TMEM42	7.676794	8.011867	7.826345	7.809107	7.484272	7.597067	7.179732	7.485204	7.767608	7.577987	8.325624	7.679682
TMEM50A	11.15036	10.8384875	10.683564	10.613625	10.5307835	10.384047	10.274195	10.635786	10.1225385	10.0021805	10.920735	9.9909285
SAG	5.454204	5.537395	5.5729	5.363936	5.28703	5.552116	5.427524	5.537238	5.141302	5.454204	5.309517	5.316311
ATF6	7.827585	7.0386975	7.224851	7.421569	7.3155615	8.3851455	7.325952	7.403892	7.6045715	7.3165275	8.0435245	7.6184315
GRIP2	5.897982	6.121148	5.912886	5.851372	6.452549	6.616969	6.457639	6.564004	5.85978	7.081068	6.49151	7.807985
SERPINA4	4.592157	4.733006	4.733006	4.708885	4.3703	4.352166	4.654793	4.912828	4.493739	4.079823	4.77563	4.208044
ATG16L2	5.573221	5.488374	5.3396835	5.023436	4.570043	4.2672725	4.191609	4.503577	4.689422	4.63682	4.650027	4.9341295
PDZD4	5.803534	6.037	5.692342	6.093586	5.76683	5.74188	5.793591	5.952286	6.217426	6.191519	6.18721	5.644
POLA1	7.766998	7.166075	7.10694	7.447059	7.84235	7.079814	8.293323	7.537642	6.924745	8.089229	6.956132	8.031195
CCRL2	4.771596	5.031437	4.65783	4.40323	4.786708	4.65135	4.522175	4.507476	4.556312	4.248489	5.215408	4.296704
BAZ2B	7.538374	6.667345	7.48718	7.486097	8.52587	7.95536	8.097436	8.606094	8.237991	9.279802	6.374604	9.046345
TMEM79	5.584548	5.743575	5.37612	5.812578	5.451412	5.447956	5.486228	5.111677	5.28926	5.576161	6.429333	5.674801
MAP6D1	5.28616	5.418478	5.375646	5.54015	5.486704	6.220958	5.539211	5.671836	5.666856	5.098231	5.874467	5.084695
ANKRD30B	2.500032	2.4361615	2.383047	2.467552	2.5429455	2.5511605	2.5312235	2.4277185	2.9895505	2.427493	2.5254955	2.3549445
NMT2	6.562683	6.4262855	6.8646	7.344859	6.1791245	6.1016785	6.6523735	6.453602	5.692166	6.341116	6.4085915	6.793855
CXADR	3.549858	3.5541715	3.4532705	3.266065	8.0741335	8.0215965	8.45283	8.2120875	3.5880345	7.9667175	4.3947645	5.9879735
JUND	5.532744	7.1735825	5.117441	5.893384	5.9050105	6.337665	5.5591905	5.6287385	7.11939	5.5076905	5.50809	4.8817295
YWHAZ	11.52144	11.51009	11.38634	11.87965	12.47039	11.67542	12.2877	12.43571	11.84676	11.99103	12.07991	11.55801

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
ZIC2	2.572569	2.873466	2.39469	2.477568	2.50466	2.678173	2.523013	2.528347	8.721127	2.191471	3.001101	2.388405
NOL10	6.9163755	6.727494	6.7466635	7.145084	7.1888845	8.005582	7.2625095	7.258811	7.115851	7.0125485	7.2025505	7.227051
USP4	8.987201	8.531589	8.900408	8.903992	9.095797	8.811604	9.098806	9.074224	8.811007	9.354793	9.241722	9.452774
IGFBP6	11.42314	11.68645	11.95432	11.97842	7.875205	12.03769	10.67743	8.171099	9.571443	9.284325	11.51898	8.613823
SLC30A9	8.387892	7.9242565	8.117627	8.605354	8.539669	8.0251145	8.857055	8.514985	7.799768	8.182761	7.4176365	8.3179615
RAB33B	6.115473	6.504736	6.18212	6.968613	6.185698	6.566509	6.301372	6.094202	7.558176	7.040578	6.147432	7.19088
HEXB	10.67443	10.34666	10.48868	10.7273	10.89025	11.51288	10.668	10.86667	11.35353	10.94538	11.43028	10.69265
ATP8B3	3.882949	4.48456	4.008536	3.758885	4.240189	4.000255	4.20762	3.979734	3.765224	3.705132	4.106114	3.630825
ANKS3	6.171747	6.455111	6.402298	6.131758	6.001173	5.955607	6.073699	5.850078	6.433721	5.882891	5.722062	5.943256
TGIF2	5.2669185	5.6541905	5.7608485	5.939775	7.062776	7.232159	7.7140565	6.796361	6.4823365	7.236756	6.8441975	7.7434365
CYP8B1	4.492031	4.681428	4.794822	4.794746	4.961391	4.805815	4.420658	4.742967	4.939449	4.89389	5.030179	4.297696
GALNT13	4.179627	3.908223	3.433017	3.697852	6.305357	6.671023	6.047844	6.693187	3.125497	6.901235	5.865948	6.401318
SNX1	8.7252915	8.5134635	8.6380755	8.3506295	8.446038	8.02109	8.3364195	8.3691875	8.510706	8.6400255	8.601818	8.6053265
CD4	4.828796	4.9084975	4.7360365	4.824558	4.7128605	4.544568	4.7858145	4.604685	4.6788085	4.780987	4.7769825	4.648501
REN	4.449185	4.415053	4.506642	4.6138	4.788976	4.291964	4.614938	4.682902	4.538526	4.071301	4.619555	4.152331
MTNR1A	4.307776	4.183697	3.892229	4.239726	4.179844	4.11818	4.047772	4.094461	4.051886	3.906806	4.131047	3.940289
DPYSL4	5.182602	6.073246	5.660612	5.552116	5.218914	4.82558	4.9231	5.123437	5.968657	5.435724	5.078592	5.179518
OPRD1	4.702005	5.175318	4.781684	4.70236	4.645562	4.662883	4.921252	4.768656	4.70236	4.780301	4.743988	4.607751
NIT2	9.088297	8.894608	9.062881	9.034003	9.670929	10.06733	9.817423	9.727626	9.107004	9.650392	9.675183	9.78956
NUFIP2	8.3515265	8.1321255	8.708142	8.168995	8.611136	9.1688555	8.86178	8.5747175	8.4691895	9.076729	8.721814	9.235068
ADH1C	3.087047	3.691368	3.104951	3.058863	2.674872	3.124327	2.713222	2.896991	2.910304	2.627304	2.941671	2.804085
F2R	6.669064	7.069267	6.2603905	8.3778435	6.1286235	6.4910385	6.873656	6.3780255	7.8315475	7.3002425	6.5643955	6.775629
NUDT5	8.661282	7.9637955	8.0164955	8.5363155	9.6542995	10.1442025	9.7934555	9.630587	9.3407285	8.916407	9.5143035	9.1577525
WSB2	10.92323	10.46406	10.59199	10.96016	10.65823	10.20758	10.37965	10.70935	10.239	10.265	10.60041	9.912826
CXCL6	11.62487	11.11885	10.16903	9.8075	2.569418	2.636691	2.442459	2.689665	8.536862	3.077388	2.664779	2.659885
PPP3R2	3.0352255	2.951635	2.9357425	3.0336785	2.984078	3.012709	2.7630285	3.019752	2.859844	2.785362	2.8691455	2.764417
SOCS1	4.9194245	5.12897	4.998962	5.174787	5.3305705	5.1194845	5.291379	5.4231885	5.6415965	5.5362945	5.3338275	5.137665
SIGLEC10	4.230325	4.4692955	4.601256	4.100492	4.1248515	4.040462	4.2963935	4.2218155	4.24951	3.921682	4.3342895	4.05107
CIAPIN1	7.218314	6.735024	7.339368	7.518414	9.197371	9.854177	9.696161	9.160734	8.590356	8.683442	9.511434	8.990848
PAG1	5.599961	4.473771	4.514256	5.389792	3.278632	6.362412	3.929665	3.544866	8.329718	5.318917	5.716964	5.497306

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
MYOC	4.553317	4.762243	4.538251	5.098056	5.124824	4.997675	4.759275	5.159192	4.880627	4.372629	4.756094	4.250717
FLT3	5.204566	5.246428	5.078302	5.050818	5.199896	5.034345	4.97827	5.077837	5.072297	5.034345	5.034345	4.756119
PDSS2	7.4507215	7.2301545	7.122113	7.523603	7.036822	7.971169	8.273404	7.0219155	7.168404	6.7309175	7.304439	6.672211
TMEM156	2.8006365	2.7853805	2.8447325	2.9841415	2.669201	2.658245	2.6302495	2.7139715	4.547134	2.736551	2.7831655	2.715643
PCDHA5	4.381582	4.592452	4.464787	4.51793	4.625391	4.533485	4.45433	4.637475	4.472817	3.931305	4.315198	3.963778
SMARCA1	9.1684275	9.0011595	9.037897	9.164633	8.6906955	7.1161435	9.079872	8.647864	9.056038	8.73658	4.8278745	8.618636
SIM1	6.640069	5.294926	6.554956	6.440572	5.928412	6.034656	8.589294	5.984615	3.822724	4.83268	3.982315	6.051181
HOXA13	4.704223	5.274518	4.957065	4.75066	4.23466	3.89062	4.017965	4.242613	3.906249	5.497938	4.092816	5.271087
SND1	9.694126	9.578841	9.771825	10.00343	9.877075	9.679555	9.88782	9.826821	9.227327	9.799067	9.216068	9.46998
SH3GL1	9.625559	9.582746	9.390707	9.716009	8.920941	8.873963	8.536179	8.683692	8.471562	8.863349	8.904928	8.662917
ORMDL3	7.017785	7.4204375	6.938357	7.2864345	6.3072225	7.491147	6.22368	6.419348	7.545252	6.3040025	6.3292935	6.4258915
H2AFV	9.366129	9.3043015	9.0655575	9.554477	9.451958	8.589333	9.4576785	9.1838445	9.2375125	9.47903	8.822812	9.2803335
ZNF526	6.352852	6.56215	6.413505	6.454153	6.04275	6.157537	6.181563	5.931798	5.701078	5.69118	6.151792	6.153416
ADH1A	2.572851	3.108717	3.372053	3.141991	3.084509	2.729686	2.755512	2.770963	2.869411	2.645636	2.86778	2.956086
C2	3.8714045	4.146653	3.684475	4.0300835	4.1491135	3.913593	4.0743265	3.9278995	3.8060275	3.566808	3.8360355	3.6326595
SERPINF2	5.296597	4.486189	5.042544	5.205616	4.748891	4.743342	4.643065	4.883923	4.779519	4.596868	5.047161	4.762377
HTRA3	7.0465805	6.63507	6.7555335	6.750292	5.575182	5.673441	5.4093235	5.5697885	5.604444	5.909998	5.7306715	5.9046455
CA9	6.489295	9.657763	6.922701	7.086417	4.350077	4.727262	4.409898	4.830195	4.621013	4.837066	4.462452	4.636909
UNC13B	7.972146	7.087461	7.447083	7.704212	8.712066	9.462923	9.769639	8.62349	8.030072	10.22801	8.584573	10.69988
OLIG3	2.675711	2.716511	2.872498	2.881073	2.889432	3.047649	2.806478	2.918011	2.844484	2.803724	3.033228	3.062519
CRHBP	3.350818	3.894814	3.581285	3.502066	3.142651	3.770037	3.162177	3.147185	3.612592	3.132983	3.48462	2.786777
ZNF10	4.906932	4.671937	4.898661	4.835616	5.788089	4.916806	5.388059	5.651631	5.828652	6.537582	5.510875	6.10201
FRS2	6.009563	5.945469	6.188049	5.855839	6.058889	6.493185	5.963311	6.060692	6.10246	5.474459	5.326289	5.24381
MIA2	3.9026275	3.54152	3.9144985	3.8498245	3.842665	3.753608	4.074472	3.8316725	4.6269675	4.4322395	4.2789165	4.2976015
ANKRD36	4.662822	5.108826	5.332895	4.227499	3.276515	3.882558	5.186501	3.321178	3.904905	5.981218	4.051261	7.151937
HSPA5	10.3950765	9.721676	10.2713245	10.450026	9.464002	10.2008845	10.099332	9.4601665	10.3707235	10.3926725	10.367668	10.4991455
RBM8A	7.715645	7.5008705	7.734559	7.728545	7.8304215	8.3506	7.980811	7.7204615	7.7106145	7.7225375	8.212103	7.9573135
ELMOD2	5.8765005	6.115256	6.034539	6.0595555	6.3005105	6.187804	5.8742355	6.356056	6.1788835	5.749667	5.645461	5.4007595
TRIB3	7.473484	7.797381	8.6203495	7.2846615	7.117497	7.725779	6.891391	6.8231365	10.621038	7.7873745	10.143591	7.5600365
NPBWR2	3.121458	3.590151	3.337576	3.294118	3.321441	3.366518	3.552903	3.474821	3.371006	3.046845	3.565094	3.187549

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
BTN3A2	7.070704	7.499012	6.716817	7.417868	7.687713	6.07881	8.5346075	7.4854885	8.650266	8.6396325	7.4473475	7.8166335
PIR	3.900087	4.158475	5.801807	4.880396	9.388198	7.494257	10.17441	9.290609	7.412635	9.533655	7.630084	9.980976
DHRS3	7.582454	8.372724	9.4065	7.664439	7.717484	6.269423	7.215898	7.657779	6.6049	8.202732	6.21011	7.487079
HRH1	6.9503525	6.8446225	6.667548	6.8673545	7.433887	6.053151	6.5540255	7.4348655	6.6973235	4.6731685	6.3950035	4.8899905
SORCS2	5.287627	5.958844	5.660612	5.389022	5.531713	4.697199	4.495222	5.574927	6.446017	4.783622	5.90889	4.957843
SPSB3	7.193362	7.443213	7.293603	7.1092255	7.27878	6.7420675	7.2379425	7.0825205	7.665846	7.1930035	7.626372	7.3313265
ETV5	7.994634	7.215628	7.449427	6.991523	6.630415	6.647347	5.301431	6.460187	6.974412	7.074664	7.829193	6.88414
XAB2	4.992152	6.371807	5.504982	5.034745	5.226369	5.18844	4.959513	5.04496	5.067825	5.297395	5.481771	4.963453
EBNA1BP2	9.583187	9.071686	9.262133	9.410728	9.334038	10.1525	10.06196	9.296865	8.834332	9.259463	10.27687	9.642836
GAS2	2.51405	2.319294	2.35854	2.591834	2.638655	2.64179	2.599678	2.477792	4.530189	2.729926	2.667235	2.546835
CCK	4.34268	5.009692	4.766219	4.590967	4.360425	8.643356	4.457622	4.831726	5.811643	5.274714	5.25895	4.423735
CXCL9	4.662499	5.08532	4.930326	4.811318	4.55296	4.676725	4.874866	5.002672	4.891863	4.586782	4.785905	4.219546
LY75	4.575911	3.001216	4.083006	3.115879	2.909792	3.275708	3.094535	3.115879	7.289338	3.192324	2.80076	3.107281
SMUG1	5.973951	5.648245	6.173004	6.642198	6.605595	6.681172	7.048031	6.61041	6.853341	6.627835	7.547022	6.985713
MTMR6	7.434345	6.684004	7.0990765	7.553958	7.3195255	7.382128	7.55582	7.2709955	7.2881965	6.7060105	7.3022925	6.690904
ASGR1	4.146195	4.392815	4.028286	3.905172	4.125632	4.181853	3.900519	4.288623	4.529169	4.050097	4.1991	4.424767
SCG3	2.386553	2.415316	2.549836	2.319797	2.377127	2.327029	2.445243	2.332269	2.451018	2.312186	2.430934	2.34205
ZNF721	7.6935935	7.650603	7.7533065	8.0303985	8.3991475	8.42705	8.6866755	8.347805	8.1075535	9.2639345	7.5419685	9.914148
COQ2	6.1168645	5.802888	5.701006	6.227084	6.382582	6.324093	6.94048	6.2070765	6.03673	6.0230435	6.075409	6.33837
ZNF662	5.166702	4.870794	5.553662	4.377004	4.918857	5.10458	4.929399	5.057496	6.238825	4.871436	4.335883	7.640123
ZBTB24	4.800855	5.611406	6.221594	5.221941	4.322796	4.364006	4.353728	3.784283	6.445704	4.077218	5.390428	3.863176
ARSE	4.770425	5.286633	4.372854	5.316942	4.921154	4.777617	5.227446	5.169025	7.020514	4.423468	4.914203	4.567063
GABRG3	2.781876	2.897132	2.605225	2.503886	2.8146405	2.7638625	2.8041145	2.5787775	2.9297315	2.770537	2.791274	2.662189
COMMD4	9.467684	9.100388	8.517801	9.111912	9.275907	8.602139	9.203995	9.216984	9.832672	8.174121	9.223258	8.068147
SVEP1	4.45202	4.238136	4.970638	4.547958	3.990323	3.959507	4.95387	4.11072	4.018694	4.569343	4.113486	3.792014
ZNF665	8.411994	8.258214	8.24846	7.932543	7.65572	6.999651	7.108998	7.626252	7.778496	8.547489	7.185766	7.14562
CPO	3.411509	3.486138	3.183783	3.562984	3.354682	3.378281	3.348002	3.426014	3.369405	3.38257	3.354634	3.349024
TNPO1	9.4702945	8.8948315	9.1482565	9.4580605	9.646791	9.779166	9.719486	9.628387	9.232304	8.6124515	9.0887955	9.1812585
FOXJ2	6.269061	6.3794545	6.3868985	6.334859	5.6405745	5.4781075	5.737574	5.5166315	5.8974605	5.82001	5.873131	5.7463545
RPGRIP1	5.205147	5.774842	4.97479	5.303189	5.269245	5.291057	5.126862	5.221092	5.245243	5.045027	5.127902	4.773062

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
STAB1	4.6947955	4.8264515	4.483335	4.892986	5.095196	4.7191455	4.980675	5.0283215	4.77354	4.650687	4.839525	4.6299175
GTPBP1	5.725658	6.219165	5.624337	5.73935	5.46242	5.300797	5.242539	5.579954	5.323347	5.121821	5.329185	5.268044
NAP1L5	7.15928	6.453482	7.0659095	8.099242	8.3345955	8.9938785	8.318956	8.487174	7.609285	8.7024985	8.5469455	8.815389
PTPN12	7.671705	8.266775	8.107764	6.044895	7.495853	6.714243	7.055481	7.598598	7.423935	5.603741	6.787188	5.503509
KNTC1	7.688641	7.604588	7.021561	7.003791	6.702748	4.764669	7.585356	6.48247	6.699468	7.324635	5.718706	7.419402
TSPYL1	4.870226	4.75421	4.878176	5.556589	5.277945	5.788936	4.879601	5.266418	5.286711	4.774283	5.272625	5.203259
CCL23	2.8184605	3.0643785	2.980178	2.8278365	2.9361815	2.9699745	2.977152	2.938489	2.796016	3.0353625	2.950474	2.8175025
KARS	11.34393	11.097205	11.40948	11.508825	11.80531	12.04391	11.987045	11.810725	11.370265	11.672345	11.887435	11.60912
CDT1	6.7833755	7.2574015	6.689068	7.4140475	6.083351	4.3168745	7.6608415	5.8102735	6.091727	6.868479	6.284339	6.9554665
AKT2	5.8818675	6.276191	5.589505	5.6351205	5.791912	6.0954875	5.8922025	5.868965	5.5655985	6.0108255	5.6482345	6.0021265
CHMP4C	3.451334	3.542791	3.75123	3.624583	4.319111	4.512625	3.474237	3.827022	6.639894	3.18115	4.446209	2.918334
CLIC6	4.6491265	4.5340865	5.666523	4.617762	5.5307385	4.9743795	4.3476965	5.5858985	4.2690275	4.9876925	5.8877505	4.2823435
IGLL1	4.007514	4.42194	3.809257	3.754469	3.632587	3.618035	3.627992	3.601179	3.518028	3.180088	3.539238	3.205348
PKD2L1	5.861165	6.480689	6.289133	5.992667	5.862757	5.567931	5.709499	6.024926	5.768187	6.07546	5.98127	5.892554
MMD	6.917178	6.1074195	6.03905	6.343179	5.1993075	5.060466	6.2228515	5.153355	6.165166	6.83258	6.0524775	6.663958
ZFAND2A	8.707149	7.755907	8.51167	7.979752	9.085106	8.975939	7.717608	9.08414	8.780344	7.881114	9.93539	7.924917
IKBKB	6.660121	6.446512	6.562418	5.943133	6.76441	6.285068	6.276412	6.754725	6.886573	6.708173	6.907106	6.412214
CCNJ	5.505353	5.725658	6.107117	5.452879	5.524219	6.617158	7.078176	5.142161	6.510564	7.221627	6.443617	7.427649
RGS22	5.040323	4.678087	4.828263	4.769154	4.653969	4.533283	4.173161	4.719259	4.79304	4.377004	4.435983	3.936227
CAND1	7.621382	6.920671	7.748613	7.401978	6.669775	7.970001	7.218411	6.717338	7.812573	7.566808	6.114462	8.160448
EVC	6.597429	6.968521	7.067871	7.02638	6.585169	6.231633	6.376782	6.504788	6.699281	6.169921	6.573176	6.381122
C1QTNF7	3.450144	3.526652	3.28264	3.279598	3.1750155	3.078645	3.0707655	3.311774	3.3371835	3.0164335	3.5047255	2.9976355
PGM3	9.4052695	8.945753	8.993867	8.864864	8.301419	8.113775	7.959885	8.2902445	8.384647	7.882893	7.307286	7.50882
CDH5	3.336506	3.540637	3.392175	3.311517	3.425985	3.102344	3.231034	3.174959	3.202997	3.214058	3.313365	3.000906
KCTD2	7.378742	7.1529445	7.4725955	7.557169	7.309599	7.5518755	7.0579075	7.2740825	7.564596	7.336911	7.264139	7.270332
SCG2	3.976621	3.558502	3.555708	4.074018	4.160839	4.171629	4.064266	4.721816	8.57002	4.624829	3.76281	4.049954
PHTF2	7.095051	7.38341	6.836048	6.547816	7.702754	7.151331	7.090686	7.575538	6.072238	5.523666	4.878697	4.915422
ZC3H3	4.6234745	5.0078395	4.816518	4.789607	4.6359885	4.684349	4.586869	4.4508955	4.568852	4.578652	4.627232	4.5659045
CAMSAP1	4.251668	5.120884	3.801372	4.158402	4.047019	4.367409	3.639613	4.068564	4.021326	3.86303	4.174141	3.565093
SFXN3	8.877021	8.914053	9.059076	9.036027	7.456786	7.218056	6.352593	7.384422	7.341641	7.835779	7.833641	7.569884

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
SRM	9.86019	9.963086	9.405052	10.01152	10.7728	11.71239	11.40435	10.77406	9.570908	10.00321	10.75317	10.40575
CHMP2A	10.54906	10.4135	10.25417	10.57317	10.31207	8.867023	10.21399	10.28841	9.960231	10.31942	9.958652	10.11037
PDK3	6.198382	6.250096	6.267557	6.340725	5.398367	4.566325	5.476917	5.186121	4.772094	5.990963	5.123183	5.812274
DEPDC5	5.660612	5.280297	5.293262	5.885416	5.6484	5.605497	5.80567	5.454905	5.717871	6.213313	5.866397	6.22744
OR10H2	3.316853	3.539197	3.133626	3.300964	3.262459	3.116369	3.090168	3.269531	2.968018	3.197445	3.108009	3.078556
PLA2G7	2.437421	2.527672	2.457006	2.512928	2.502629	2.582643	2.584604	2.54311	2.372969	2.29739	2.620622	6.133435
GOLPH3	10.48028	10.62852	10.82953	10.94081	10.56465	10.68757	10.40488	10.57291	10.67109	10.24961	10.78389	10.36183
ROPN1	3.527335	3.676478	3.893747	3.766619	3.887591	3.747678	4.067459	4.061038	3.669959	3.597214	3.746763	3.448439
RELA	7.8544835	8.6705525	8.4592765	8.0489915	7.8179315	8.1745345	7.6327705	7.736889	7.7306375	7.3380925	8.024703	7.024563
SH3YL1	6.894269	6.8897575	6.979833	6.9775675	6.9057955	6.866577	6.9944975	7.078357	6.6571615	7.418457	7.1084265	7.596647
NEK9	7.299725	7.673043	7.452539	6.93802	7.66506	7.405486	7.110674	7.43879	6.2866	6.400605	6.978275	6.221381
EXOSC10	6.472998	6.285258	6.3750905	6.556471	6.526742	6.337437	6.764461	6.7048445	6.3478255	6.4391795	6.4244035	6.6437
COL5A2	11.77826	11.663525	12.191175	11.21641	12.04785	11.900575	11.906245	12.21205	11.889455	12.646375	12.07232	12.512275
ZNF443	6.255592	6.363097	6.190808	6.646891	6.280094	4.803587	4.91396	6.002833	6.282478	7.80001	5.279997	7.214784
SLC19A2	6.68009	6.689925	7.202122	6.223725	7.86469	8.371802	8.01372	7.965314	6.922844	7.747165	8.288865	8.062985
CHERP	7.366349	7.491643	7.403219	7.39994	7.771399	7.404689	7.819646	7.602633	7.596831	7.764764	7.629934	7.778452
DENR	8.146891	8.068606	8.072562	8.242372	8.886005	8.705302	8.960967	8.958337	7.955782	6.968665	8.328837	6.922966
LRP12	7.159929	6.91712	7.161253	7.185612	8.595556	8.287965	7.748475	8.500218	8.522539	7.294522	8.571625	7.514326
FLI1	5.491492	6.135597	6.158134	5.95094	5.112753	5.658233	3.616109	4.573924	6.669784	3.127651	6.23766	3.725847
ZNF264	6.861329	6.041772	6.705131	6.348595	5.773037	6.555766	5.556392	5.962891	5.932704	6.751453	6.428626	7.01677
MED9	6.008436	6.168905	6.101899	6.242463	6.243663	6.280277	6.395068	6.200366	6.704096	6.136787	6.323452	6.26988
RAVER1	7.501624	8.395962	7.785051	7.853184	6.545843	6.351383	6.53903	6.409366	6.271893	6.309852	6.230216	6.231418
CDKN3	9.346057	9.5424415	8.999718	9.038641	9.5151925	6.0699775	9.776876	9.020318	5.7399075	8.521485	6.7320065	8.3224475
HSD3B2	3.1543995	3.234792	3.1296285	3.275867	3.124622	3.253906	3.124084	3.27654	3.2359675	2.904497	3.4520045	3.165781
TBC1D2B	6.206278	6.385241	6.319016	5.739716	5.471032	5.378324	5.958276	6.001056	5.952232	6.48456	6.03433	6.610694
GSTO2	5.2086885	5.745299	5.5549045	5.4645695	4.798853	4.83683	5.0725655	4.633935	6.031394	4.8144475	5.039274	5.895948
BET1	10.19203	10.3462	10.09671	9.894943	8.659926	9.347626	8.56765	8.62966	10.13332	8.74903	9.127884	8.777962
MPHOSPH6	6.670956	6.3076835	6.160798	6.3966945	6.265739	6.6036905	6.7054345	6.338656	6.1521095	6.3131225	6.103563	6.284945
GNAI2	9.123618	9.924894	8.823367	9.637569	8.503786	9.092714	8.65596	8.326369	8.782396	8.74903	8.485273	8.120669
SAGE1	2.705627	2.655594	2.592886	2.646052	2.688812	2.726614	2.837462	2.665108	2.460477	2.400663	2.745833	2.533743

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
PTGIR	7.4510065	7.7948425	7.561466	7.368096	7.115491	6.9376285	6.9289345	7.1449355	7.0270105	6.656918	7.271859	6.653563
MT1F	8.462945	8.605453	8.056001	7.593232	7.722556	6.342515	6.812046	7.58233	9.217013	6.464151	7.027928	6.012141
NUDT16	5.463038	5.3223625	5.811619	5.949765	6.095377	7.6589595	6.03302	6.1233235	6.210597	5.6997295	6.585639	6.0635615
ASNSD1	9.59486	9.343489	9.86503	9.919113	10.17932	10.60205	10.14716	10.06278	9.99147	9.513399	9.372349	9.52905
SLC44A2	6.708049	6.584974	7.1633685	7.658832	7.1243	6.8411765	6.463323	6.8895565	7.7028325	8.2423825	7.434714	8.2277855
ICOS	3.542692	3.940593	3.44959	3.750498	3.805971	3.377685	3.538746	3.599776	3.800316	3.603615	3.740073	3.509801
MEP1B	3.809186	3.708404	3.630322	3.911807	3.751872	3.867029	3.64575	3.780308	3.845861	3.914986	3.950562	3.845861
GDF2	5.655798	5.772525	5.796985	5.471835	5.592143	5.688801	5.48441	5.650535	5.549785	5.524516	5.894028	5.265077
RASGRF2	4.9651225	4.9505155	5.0244225	5.165506	5.066097	4.7890155	5.3153115	5.2197735	6.086306	5.5209395	5.2581405	5.4661745
API5	8.083519	7.741887	7.915878	7.456926	8.240533	8.373092	8.28116	8.029812	7.318932	6.324996	6.894193	6.462476
APOC3	4.359896	4.831979	4.3635805	4.532906	4.4717635	4.134405	4.233515	4.325262	4.28497	4.2435725	4.387379	3.973934
ZC3HC1	8.461033	8.16035	7.956049	8.538983	8.778548	8.697006	8.823505	8.774713	8.810743	8.100042	8.77471	8.379017
FAM122C	4.5068975	4.6193575	4.676626	4.294291	4.5969665	4.114616	4.425056	4.6480785	4.9403185	4.785764	4.6350565	4.825584
ANKRD16	6.3308595	6.493879	6.75772	6.308649	5.8998525	5.790894	6.5337495	5.8792345	6.297968	6.4741865	6.957486	6.0058835
ZDHHC7	10.15779	10.09193	10.04074	9.984408	10.50163	11.46969	10.60115	10.50977	9.735349	10.24418	11.07834	10.45571
ZNF407	3.1817805	3.6542895	3.094641	3.2313585	3.23388	3.2081735	3.0588005	3.2103605	3.221249	3.241134	3.262792	3.2008575
REEP6	5.216954	5.63181	5.224039	5.425894	5.121666	5.455874	6.282302	5.165668	5.097703	5.518748	5.811536	5.874467
TNNI3K	3.437897	3.790205	3.104609	4.054523	4.154328	3.929955	3.81947	3.629387	4.937354	3.558068	3.921108	3.563726
ANKRD26	5.604002	5.0662315	5.3950205	5.9313815	6.3412815	6.584143	7.2401125	6.5377145	6.12926	6.34807	4.8240735	6.1141215
DMRT3	3.4596495	3.601835	3.4930415	3.488364	3.5591865	3.5456635	3.4773765	3.662604	3.577772	3.4797575	3.7271485	3.3452385
PLS3	11.8551	11.79623	11.48218	11.97056	12.80407	11.35629	11.714	12.86278	11.8457	11.91127	11.52656	11.32814
OPHN1	10.34413	10.42047	10.35814	9.593676	9.547705	9.27269	9.367476	9.749929	9.636684	9.94466	9.638781	10.4663
RYR2	3.2893845	3.227841	3.271138	3.1441825	3.3500385	3.2810335	4.914322	4.0066245	3.256798	4.760467	3.0986035	5.138419
IGF2BP3	5.584023	4.6198655	6.1122705	5.5079215	8.523403	9.202109	9.1549305	8.4698555	7.5634495	8.1317635	7.9223195	8.2891235
ZNF560	2.559818	2.613032	2.638558	3.368621	2.581844	2.596081	2.94751	2.527301	3.20004	5.098033	2.81775	2.9903
FLT3LG	5.508843	5.6974515	5.0544785	5.402584	4.996687	4.003115	4.8046865	4.6457905	5.0874	4.428876	4.7432815	4.024095
ZNF24	7.153363	7.429235	7.317411	7.240151	7.350677	7.927388	7.334356	7.18278	7.305897	6.754702	6.918755	6.386301
TNFAIP8L2	4.219779	4.446047	4.309848	4.323263	4.277554	3.982069	4.102429	4.117573	4.548219	4.206365	4.427509	4.207291
BTK	4.51606	4.689895	4.355174	3.919521	4.260642	4.166348	3.986176	4.362803	4.575562	4.560315	4.404844	5.105867
GAL3ST1	4.753717	4.98913	4.970961	4.822316	4.976605	4.366389	4.605334	4.679713	5.104143	4.377004	5.384237	4.166259

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
RLF	8.08076	7.530038	7.771452	7.199673	7.219166	7.589744	7.318006	7.05017	8.027593	8.43164	7.12777	8.170725
ZMAT2	9.32822	9.10321	8.941025	9.434975	9.729196	9.402353	9.241117	9.712429	9.32343	8.955088	9.67234	8.909001
METTL1	6.883936	6.679833	7.118574	6.983234	7.017253	6.861217	7.613623	6.909134	6.958031	6.911788	7.579746	6.928125
DHX38	7.660728	7.703307	7.658059	7.680651	7.547313	7.621642	7.636923	7.286423	6.481751	7.330523	7.006367	7.314706
TSPYL4	9.034798	8.61511	9.512484	9.517832	9.055029	7.827166	8.633405	9.064741	9.377889	9.588425	8.887168	9.282992
IFI27	4.455384	6.298782	4.744944	4.235744	12.44402	8.789053	12.86396	12.44707	7.12066	12.10603	13.02709	12.74635
EXPH5	3.979789	3.933919	4.368925	3.512572	6.699913	7.253617	8.456724	6.691458	4.347611	7.345253	3.986362	7.78442
GSK3B	7.120928	6.645563	7.076037	6.792778	6.580431	7.300796	6.136048	6.796103	7.29119	6.915961	7.094868	6.841333
USP45	6.002117	5.495547	5.867868	6.352853	5.9056685	6.4738735	6.292787	6.014041	6.236822	5.596256	5.0222545	5.4720245
ITGA5	10.65339	10.96313	10.82806	10.75072	7.541507	8.872222	7.2752	7.333591	7.807452	7.302876	7.978852	7.260966
KLHL23	4.677793	4.78987	5.177879	4.646705	4.893784	4.662318	6.009908	4.847592	5.323235	5.304966	4.461906	5.365829
RBKS	6.6504915	6.805764	6.9895985	6.6732885	6.3105895	6.6813895	5.6591075	6.5039255	6.133422	6.0871815	7.102226	5.9015305
TSPAN33	5.509248	5.91636	5.500834	5.595315	6.210954	7.528127	5.886709	6.124352	5.95234	5.8009	6.266079	5.926743
BHMT	4.249825	4.207294	4.14479	4.192849	4.544163	4.083851	4.196948	4.676791	4.34793	4.703512	4.563052	4.617571
SPTBN5	4.952096	5.725449	5.485911	5.662368	5.795544	5.186709	5.500218	5.501991	5.464543	5.674007	5.634847	5.608089
TPCN2	5.957834	5.394629	5.872499	5.801818	5.915325	6.370961	5.926826	5.492345	5.299351	5.905315	6.237721	6.194117
PRDM9	3.205991	3.272561	2.95712	3.034883	3.29754	3.124465	3.281626	3.161118	3.10807	3.143425	3.196658	3.14567
IGF2BP2	7.6556925	9.623908	7.948793	7.7119415	6.5984095	7.8376755	7.4741615	6.6935955	7.70598	7.1466605	7.4927335	7.502692
SNX4	7.229145	7.0310645	7.670256	7.388243	8.737787	8.3842975	8.693793	8.612677	7.902163	7.561439	7.390307	7.5049365
CTDSPL	6.328362	6.355003	6.634203	7.113114	6.586036	6.268103	7.54186	6.432825	6.306931	6.249674	6.294617	6.114793
YES1	9.201102	8.834835	9.431135	9.22279	9.530062	9.016795	9.520384	9.444336	9.387815	9.213528	7.87187	9.002981
TUBB2A	10.94488	10.80499	10.88781	11.41693	11.26517	12.31445	11.11732	11.43557	10.77896	11.10086	10.88243	10.87701
EIF2B5	6.0259125	5.780947	5.7644185	6.050005	6.614362	6.675028	6.9611005	6.5573375	5.871935	6.208208	6.5420085	6.0168905
ATP8A1	3.315559	3.195301	3.082973	3.36644	3.089292	6.028293	4.710803	3.137303	2.849576	4.260807	4.738517	4.244396
B3GALNT2	4.2238725	4.3905285	4.492008	4.3556405	5.270695	4.9214645	5.3451475	5.1045935	4.507174	4.502471	4.837957	4.573082
STARD3NL	9.555517	9.635395	9.574121	9.84271	9.764118	9.823534	10.24427	9.712808	10.21258	9.961359	9.884481	9.714067
GORASP1	6.383708	6.529916	6.248112	6.245765	6.2051845	6.1295485	6.1179465	6.044243	5.9332015	6.022091	6.104143	6.0359585
ISG20L2	7.978016	7.432271	7.630985	7.670195	8.297926	9.602389	9.08472	8.280543	7.890097	7.431954	9.213752	7.577602
CCNY	8.774464	8.734991	8.904805	9.240368	8.66633	8.930471	8.589444	8.535778	8.48781	9.006514	9.175137	9.241258
IDI2	4.982522	5.700449	4.879249	5.227323	5.269154	5.338673	5.607125	5.212292	4.879249	4.850764	5.374958	5.038637

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
OFD1	5.7481505	5.610631	6.1518065	5.5038515	5.827064	6.1054855	5.5126975	5.725752	5.3656255	6.776722	5.333911	6.4248595
CIZ1	7.6897485	8.166939	7.9608685	8.1618585	6.7521845	7.335767	6.8116505	6.247103	6.449888	6.482951	6.711262	6.349252
STRA6	4.100673	4.158903	4.015281	3.565094	4.572048	4.189111	4.057493	4.649252	4.21965	3.940045	4.253326	3.917449
MRPS7	9.034981	8.744621	8.513433	9.04541	10.09133	9.725334	10.61506	10.0977	9.39249	9.193179	9.724879	9.082327
ZBTB39	5.590182	5.543076	5.851747	5.624845	5.76012	5.684057	5.772745	5.293503	5.833793	6.217557	6.477908	6.256443
PROC	3.956243	4.605487	4.756094	4.377004	5.513667	4.187525	4.657045	5.793188	4.195859	3.772896	4.317865	4.383413
SLC38A6	8.747244	7.971754	8.028365	8.19603	9.296699	8.356451	9.115087	9.31645	8.333694	9.258761	8.5156	8.915182
MDH1	8.730702	8.0454985	8.1615775	7.7784805	8.6457625	7.8354355	9.042627	8.6079315	8.5901985	9.3504845	8.1529135	9.2623965
SLC16A4	8.467236	8.59121	8.41517	8.846604	10.15169	11.21649	7.890264	10.15966	8.657248	7.207013	9.249581	6.147393
NAT9	8.093934	7.697398	8.150806	7.698623	7.416645	7.843178	7.244884	7.728526	7.5037	7.903873	7.805351	7.933753
MRPS28	9.544412	9.187236	8.60146	9.35327	9.843849	10.1803	10.4913	9.770012	8.877183	9.310558	10.07401	9.168095
ATOX1	9.903172	9.637051	9.499049	10.09603	10.46267	11.22817	10.20415	10.65684	9.689001	9.757448	11.30534	9.726927
POP1	6.9733	6.127664	7.174848	7.287346	7.306242	8.452444	8.266651	7.282159	6.23997	7.306624	7.239805	7.418885
PLCD3	7.115393	7.7794265	7.380791	7.1644635	7.598351	8.1055025	7.225024	7.512788	7.169107	6.941206	7.2773905	6.838002
RBP1	4.6505115	4.7807545	4.825091	5.003117	5.0226425	5.2976655	4.8484285	4.8530325	6.8954705	5.768206	4.891151	5.7121475
STARD4	9.056252	9.348054	9.511583	9.940096	8.794806	8.303699	9.117902	8.818959	9.946865	8.127878	6.845489	6.833942
PPP6C	7.975658	7.873102	8.1721435	8.263195	8.6495125	9.0243625	8.906171	8.5871255	8.701654	8.579358	8.1562625	8.567474
SMARCAL1	8.450933	8.15945	8.291283	8.075414	7.741207	7.715612	7.176881	7.540675	7.631238	7.150426	7.717785	7.425191
PMCHL1	3.9168565	4.1679095	4.1035745	4.007887	4.202154	3.859272	4.2806475	4.2499815	4.00261	4.0877715	4.0397345	4.042915
PKNOX2	5.2174065	5.264329	5.35498	5.2001395	5.1551395	5.0537735	5.0657695	5.0875945	6.685915	5.097608	5.222467	5.0109275
CTSW	5.292926	5.578889	5.245483	5.415512	5.733421	5.498528	5.681073	5.904058	5.867023	5.363307	5.848488	5.234404
TMC7	3.1884775	3.2437	3.321121	3.188993	3.5770675	3.845983	3.1752315	3.6910825	3.254776	3.2394785	3.8230715	3.302637
VSIG4	4.430453	4.729268	4.55961	4.40305	4.423399	4.134187	4.405106	4.175965	4.469718	4.087541	4.382636	4.407467
CHRNA9	3.837148	3.48462	4.058417	3.935786	6.789486	4.353232	3.299212	6.407514	3.671671	3.118364	4.971277	3.306648
ZNF318	6.941835	6.7297285	7.179176	6.9184705	6.576556	6.1624	6.6027125	6.5068275	6.5594415	6.7604205	6.740129	6.7242415
KHDRBS1	10.5783	10.53063	10.50414	10.09359	10.78626	10.34742	11.02491	10.5603	10.04467	10.93227	10.05614	10.83393
PPM1M	7.172408	7.582789	7.394404	7.328844	6.657018	5.752029	6.354639	6.615821	6.232325	6.748549	6.487632	6.701757
HIST1H3H	4.309646	4.571733	4.336618	5.040454	8.022764	9.651911	7.750767	8.375656	6.599848	5.099518	6.716569	4.646589
RPS27	8.7508935	8.5271465	8.6039925	8.5180895	8.5066185	8.4192565	8.5071955	8.5303085	8.3261215	8.892734	8.5209495	9.076674
WNT8B	4.520403	4.635395	4.549513	4.193371	4.592451	4.406444	4.508012	4.332695	4.341929	4.590825	4.878697	4.456964

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
SEMA3E	3.119736	2.657599	3.345891	3.264296	4.085986	6.648097	6.184006	4.079679	3.343787	6.319047	3.272863	6.542283
RBMXL1	7.732888	7.460927	7.911961	7.61154	8.129484	8.407688	9.106792	7.90352	7.392316	8.562541	7.579315	8.758006
PITPNB	6.544317	6.111699	6.371248	4.98841	6.053374	5.324203	6.33482	5.874097	5.282028	8.507466	6.683695	8.98963
HMGN1	11.642605	11.591995	11.713075	11.661175	11.882715	12.0446	11.88939	11.7935	11.51553	11.73743	11.573415	11.62049
STT3A	8.784287	9.245032	9.632691	9.991947	10.25665	9.729828	10.29085	10.2397	10.57438	10.50328	10.44137	10.01375
TCEAL7	8.38636	7.757564	7.776847	8.042817	2.71896	2.397026	2.609159	2.687194	9.745219	2.576741	2.50242	2.44352
PIN1	8.211888	7.943457	7.838297	8.338881	8.635118	8.128074	8.751482	8.51293	8.360798	8.569504	8.531165	8.409285
BTN3A3	6.1640855	6.4217515	6.2570985	6.9745005	7.12717	6.4268025	8.036358	7.1093015	8.668378	8.2865425	8.2809095	8.707062
KCNK16	6.30383	6.710561	6.692558	6.689906	6.073556	5.971401	5.891145	6.237105	6.294111	5.401681	6.198597	6.092631
EPHA10	3.449827	3.594919	3.433811	3.827153	3.912292	3.559374	3.74743	3.665978	3.760962	3.692111	3.426991	3.761969
SMYD2	5.054755	5.036575	5.171548	5.399052	5.054755	4.87718	4.879746	4.764668	4.902511	4.608287	4.884689	4.673617
FGL2	3.9945805	4.50803	5.4696115	6.197623	3.8261155	3.914259	4.1732045	4.116881	3.3672015	3.4596625	4.879194	4.526739
LIMD1	5.912686	6.283735	5.886738	6.146353	6.061332	6.3208	6.650124	6.016068	5.879838	5.736033	6.429974	5.726886
PRRG4	3.9971545	3.79897	3.838199	3.850829	6.7880165	7.0806115	9.2787715	6.6930195	4.421246	7.104913	3.4849195	6.8681015
SNTG1	2.684011	2.879456	2.720685	2.726635	2.597787	2.700658	2.632474	2.646789	2.48257	3.593775	2.597787	4.884644
DDOST	10.951885	11.157255	11.076425	11.04829	10.90946	11.634515	11.191245	10.8872	11.136425	11.584565	11.41687	11.54339
MRGPRX1	2.541722	2.615414	2.41795	2.864692	2.7155	2.810566	2.654032	3.029026	2.956038	2.595145	2.739267	2.513165
NRK	2.8818795	2.835141	2.9474445	2.823699	2.880038	2.973119	3.009642	2.8943215	3.980037	2.762981	2.994567	2.9271965
GLG1	9.243168	9.17549	9.275707	9.343918	8.812097	8.899105	8.477724	8.7766165	8.935668	9.4090325	8.8925855	9.6566095
FAM81A	3.915587	3.9642	3.512199	4.240942	4.041242	3.802802	3.890622	4.335427	3.931611	3.828985	4.253725	3.741951
ME1	6.273042	4.448898	6.800879	7.892289	9.395288	10.30139	8.977715	9.587022	10.26581	7.153042	8.676052	7.529952
ATAD1	6.416124	5.935906	6.097415	6.365416	6.613523	7.305961	6.768038	6.520943	7.647408	7.079899	7.208019	7.422557
KIR2DL4	4.657316	4.5995175	4.5858475	4.865141	5.1921515	5.1539015	4.983938	5.146108	4.8639515	4.502164	4.988486	4.627018
TMPRSS11D	5.369425	5.512466	5.382782	5.271093	5.640129	5.305304	5.785665	5.750561	5.074014	5.338375	5.171548	4.975359
ZNF214	4.354036	4.199048	4.36173	3.955275	4.075554	3.957188	3.698503	4.27207	4.175271	4.204495	4.227183	3.852777
IMPG2	3.021833	3.007038	3.072632	2.8495805	2.905081	3.0210435	3.019979	2.8602915	2.912828	2.969167	2.762914	2.9641215
ART1	4.950021	4.896861	5.000577	5.315712	5.290683	5.279997	5.435171	5.508379	5.081762	4.460433	5.157986	4.753337
AFAP1L2	4.397845	4.269382	3.947169	4.023032	4.245309	8.127656	8.004686	4.048946	4.405018	8.870106	7.739779	9.499393
CRIP3	5.087732	5.338021	5.00864	5.082641	5.377075	5.06552	4.893789	5.242539	4.982191	4.704428	4.678961	5.025434
ARL6IP5	11.06215	10.738725	10.84012	10.888515	11.421535	11.29579	11.087155	11.368465	10.69606	10.1879395	9.7651745	10.0317985

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
EPC1	6.8522575	6.3226485	6.4970615	6.4223095	7.001976	7.229048	6.9544785	6.927095	7.7372865	6.834409	7.0792855	6.630823
SCAMP2	7.4563885	7.757764	7.5003675	7.648124	7.5232325	7.6843445	7.2448925	7.606334	7.4110035	7.34319	7.7398515	7.574244
PSTPIP2	5.660604	5.537586	6.445008	7.051022	5.368646	7.388467	6.328516	5.98489	5.649419	6.791228	7.181628	6.557283
DNASE1	4.51132	4.981076	4.566212	4.965968	4.797687	4.564713	4.573225	5.017364	4.859323	4.707387	4.59793	4.316141
ACTR3	11.36872	11.30192	11.15317	11.57475	11.54927	11.58743	11.57216	11.51779	11.12071	10.73339	11.44431	10.7294
OLFML3	12.09127	12.03929	11.90396	11.63502	9.713889	9.316454	8.98235	9.392035	9.593235	7.019589	6.433681	7.08809
ERCC5	8.670374	8.187764	8.334334	8.515865	8.809687	8.385242	8.34823	8.813337	7.957973	8.497784	8.396247	8.533575
NOC4L	6.846641	7.184868	6.874686	7.337058	7.538475	7.274518	7.960409	7.294924	7.404639	7.622892	7.382064	7.421362
SFT2D1	5.588277	5.875607	5.900461	5.748788	6.188002	6.633605	6.144422	6.560489	5.878658	5.849586	6.776299	5.765602
BMP15	4.210413	4.135321	4.265632	3.974063	4.019448	4.114353	3.976626	4.079679	4.180999	4.0007	4.00728	3.726564
COX7A1	9.459601	9.01972	9.493797	9.206714	10.64484	10.0426	8.423376	10.76219	5.450323	7.710887	8.27611	9.355518
RABIF	7.215277	6.7557375	7.3349475	7.37639	8.009371	8.565057	7.8806265	8.033562	8.0244	6.5745405	7.78696	6.40019
FRMD5	5.2621265	4.1482215	4.5156525	5.532783	4.2730415	4.184486	4.5266495	4.3399595	7.9066425	4.1946015	5.038784	4.2838895
APOB	3.7782405	3.750238	3.811271	4.023715	4.1519005	3.7589005	4.01762	3.9679405	3.824405	3.823548	3.9434895	4.087402
MAD2L2	8.632321	9.162322	9.004219	8.95571	8.610347	8.085131	9.280918	8.368683	8.88667	9.724964	9.001427	8.875215
CCNF	5.885778	6.148052	5.79014	6.5151315	6.3176455	5.7383625	7.3124775	6.2669505	5.303165	6.197685	5.656729	6.231444
OR10C1	3.542692	4.018655	3.526986	3.589403	3.839077	3.681722	3.565094	3.917321	3.803728	3.407328	3.959004	3.356306
CLEC2D	3.425499	3.037039	3.5032515	3.088694	3.0844735	3.1264285	2.9379255	3.1006275	4.2002235	4.2324435	3.2967425	3.8915375
LMTK2	3.988131	4.449677	4.035913	4.176296	4.229208	4.103182	3.878706	4.176296	4.014141	4.113242	4.381582	4.093326
TRIM52	5.8004575	5.6804495	6.370373	5.51051	5.837316	6.214281	5.9007245	5.7890935	6.0066815	6.5020575	5.963052	7.1213095
TK1	9.110998	9.4221405	8.7134	9.327596	8.020514	5.4723625	9.048244	7.664038	5.8591475	7.6362265	6.4262335	7.1052015
RRM1	10.4484845	10.131439	9.7603535	10.166292	9.715694	6.7418315	10.1486225	9.525265	8.9201145	9.226672	8.6806765	8.444652
GPX1	10.47415	10.62032	10.72301	11.54229	11.42247	11.95093	11.12354	11.5206	12.37971	11.23719	12.1024	11.16892
MKRN2	7.61937	7.827274	7.651044	6.98587	7.736123	7.938599	7.492319	7.6708	7.660201	6.860469	7.827254	6.790171
JRKL	6.4994625	6.301981	6.1703205	6.876509	6.0373675	5.744367	6.0129845	6.0486435	6.173638	6.022843	5.9074545	6.16355
PRKCI	8.124551	8.594046	8.772339	9.08632	8.932219	9.392817	10.12515	9.001173	8.182012	9.804021	8.91239	10.64318
PRDM13	2.803083	2.956985	2.784982	3.069921	3.074655	2.935768	2.803083	3.108521	3.135583	3.03594	3.232903	2.755195
FABP6	3.595395	4.081474	3.664448	3.936486	3.60064	3.472056	3.43125	3.598226	3.815815	3.518781	3.465815	3.320225
PNMA2	4.1065485	4.100294	4.1635615	4.142751	7.5249655	8.1149905	8.697006	7.322789	7.769045	7.8013135	7.7714885	8.119848
DSPP	3.389525	3.51928	3.360187	2.979318	3.178814	3.781662	3.268408	3.38701	3.455648	3.246985	4.027943	3.171989

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
SRGN	7.28885	7.440972	8.450041	9.003399	3.674328	3.546593	3.425697	3.41445	11.58452	3.885054	3.705722	3.722388
PNLIPRP2	2.800515	2.599998	3.084085	2.733127	2.591682	2.70649	2.561619	2.576737	2.66944	2.602456	2.273273	2.635197
PITPNA	8.708546	8.23184	8.725763	8.427559	8.473414	8.824297	8.629313	8.333237	7.951733	7.78719	8.776385	7.831145
CLUAP1	5.695231	5.34047	5.535738	5.914173	5.729119	5.874819	6.022297	5.755421	6.461734	5.715266	5.360192	5.230022
OPN4	5.688949	5.99855	5.716606	5.894016	5.840984	5.656014	5.561981	5.849748	5.858874	5.408348	5.769147	5.424597
MRPS36	9.666224	9.750847	9.15592	9.285989	9.987787	9.557347	10.33454	9.921245	9.620746	9.692449	9.699114	9.714272
PARN	8.65512	8.407871	8.904042	8.82062	9.448524	9.615978	9.164224	9.428402	9.457655	9.211156	9.61869	9.069368
TMEM97	7.7669665	8.0057845	7.849577	7.952626	10.681305	8.541235	9.9332785	10.943715	8.1849395	8.450486	8.745426	8.996468
FCGR3B	3.808738	3.754428	3.900519	4.013372	3.740956	3.700713	3.926817	3.814521	3.879722	3.773523	3.676057	3.848192
KIR2DS4	4.579795	4.669521	4.430549	4.97186	4.784699	4.502495	4.754284	4.945061	4.455119	4.518646	4.589875	4.336545
MYO9B	7.430842	7.76763	7.727036	7.446822	6.296404	5.77259	5.787426	5.919565	5.905166	5.994532	6.563573	5.856279
B4GALT1	4.935424	6.263209	5.2779425	4.598906	5.43986	6.258853	5.189772	5.416984	5.122629	4.3923965	4.580695	4.7187815
ALG14	6.472423	6.2669135	6.0238695	6.7486065	6.7615065	7.3388375	6.8714145	7.026625	6.4635265	6.0803705	7.162831	5.960397
DNAJB11	9.625225	9.389647	9.311652	10.02071	10.88556	10.31126	10.99601	10.86527	10.53377	10.84158	10.34309	10.71057
KIAA1586	6.717673	6.440173	6.443843	7.18735	7.199136	7.437587	6.929254	7.279068	7.070169	6.765974	6.047974	6.083598
RIMS3	4.6413645	4.4658535	4.695807	4.5947695	4.374226	4.4249455	4.7783475	4.563204	5.2785135	5.11991	4.535881	4.5739095
CNTFR	6.353334	7.006131	6.259217	6.452581	6.349962	6.265522	6.220292	6.630729	6.396602	6.252662	6.287616	6.229216
ATP6V1F	10.1434	10.03171	9.883343	9.932284	10.41987	10.20598	10.03744	10.55098	10.48045	10.11006	10.77998	10.22379
MTFR1	8.200081	8.266562	8.146153	8.43428	8.955238	8.928323	8.644156	8.816214	8.315385	7.341464	8.155437	7.008426
TIMD4	3.080906	3.220531	3.235025	3.183373	2.890669	2.977158	3.055725	2.978199	2.904996	3.050532	3.099613	2.777499
EDN1	5.508653	5.76698	5.621989	6.40045	5.045313	6.09436	4.655705	5.167114	6.780735	4.538876	5.156761	4.767091
YTHDF3	9.2898925	9.4114895	9.545338	9.1766975	9.6044695	9.983715	9.544367	9.576054	9.490841	8.689401	8.963659	8.602104
KIAA0100	7.670514	7.567917	7.431083	7.5503855	7.794268	8.673807	7.785453	7.7917945	7.0278355	7.276364	7.292403	7.298577
ZNF335	5.245422	5.75382	5.189906	5.186035	5.308968	5.155539	4.92488	5.246511	5.276398	5.117035	5.118377	5.302583
PSAP	10.753025	10.79326	10.9087	11.024575	11.79821	12.56463	10.72403	11.669405	12.8456	11.83041	12.436915	11.213555
YWHAH	3.883761	3.451551	3.432497	3.008939	3.270702	3.165315	3.214627	3.257497	3.568008	3.29268	3.284163	3.565093
NUFIP1	6.868592	6.786543	6.538898	6.647411	7.589799	8.119583	7.824004	7.352704	7.090085	7.452474	7.791162	7.560497
GIPR	5.0454025	5.2422075	4.9734375	5.071008	5.1886055	5.0153655	4.986506	5.060806	4.9477295	4.873003	5.026209	4.8672315
GDF9	4.827897	5.02299	4.905949	4.90161	4.93029	5.327847	4.898182	4.911839	4.857139	4.704428	5.442472	4.930249
PDCD6IP	9.8059495	9.9345665	9.841863	9.692656	9.0925225	9.862251	9.4188975	9.1251405	9.1990745	9.527065	8.96995	9.5350055

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
ZNF396	2.852794	2.772088	3.270823	3.010764	4.123887	3.72961	3.911268	4.188796	4.264026	3.297827	3.348779	3.311172
CAPNS2	5.201012	5.605893	5.449894	6.025263	5.663742	5.34838	5.558134	5.793343	5.220302	5.297156	5.16453	5.411591
CYP2F1	2.821949	3.033915	2.866459	2.532709	2.880593	2.777727	2.560268	3.192285	2.966326	2.896749	2.764139	2.694452
ZNF419	7.4191595	7.2661535	7.1006165	7.5398615	7.3655935	7.024339	7.0620345	7.36989	7.9906965	8.334497	8.3145225	8.38589
ADPRHL2	8.772837	8.870857	9.310549	8.826018	7.876247	8.470274	8.222372	7.888617	9.130458	8.493019	8.875212	8.421654
KCTD3	9.221034	9.233334	9.180593	9.411132	9.006808	7.988173	9.13537	8.935665	8.481629	8.543909	8.153592	8.846364
TRAF3IP1	6.1972065	6.1317135	6.3091255	6.3777685	6.2772515	6.503222	6.072616	6.285939	6.402461	6.250983	6.7606435	6.2059765
PSMD3	9.052875	8.718957	8.791976	9.230305	9.704638	10.21992	9.948536	9.610964	8.896026	9.408224	9.306808	9.23452
GPR65	3.08956	3.206969	3.18395	2.884034	3.137228	3.145567	2.996771	2.984411	3.351406	3.19654	3.331468	3.195572
GAL3ST4	6.870443	7.130377	6.903464	7.024375	6.371686	5.658233	5.828663	6.655182	7.020053	6.503078	6.430449	6.142717
SLC25A23	5.3489485	5.945546	5.8392455	5.774643	6.3587675	6.4919005	6.8384465	6.3079205	6.754135	6.764644	6.126724	7.2542165
IL7	2.679469	2.934551	3.283014	3.60459	6.694518	2.751648	3.046653	6.48421	4.464576	6.385017	5.328429	6.120363
ABCG4	5.270634	5.700846	5.309286	5.549316	5.443374	5.415495	5.326815	5.420868	5.486135	5.266692	5.605178	5.357651
COX4I1	8.7288325	8.582358	8.7226015	8.725802	9.0906135	8.625247	9.162988	9.101297	9.0307465	9.4481395	9.170458	9.606374
D2HGDH	7.149256	6.959249	7.00465	6.687521	6.770778	6.991137	6.804707	6.815431	6.64952	7.095181	6.310231	7.201447
ARPC1B	11.10429	11.27439	11.23739	11.54292	10.7106	11.51796	10.43244	10.47813	10.90452	10.09027	11.23596	9.766986
RNF152	3.150724	2.9363815	2.9453205	3.4694425	2.7299635	2.850307	2.8277555	2.7427415	3.1066895	2.6824805	2.9370945	2.7656635
NPY2R	3.523642	3.58043	3.23978	3.994249	3.690104	3.680471	3.831577	3.684422	3.404507	4.524388	3.478291	3.618009
TBL1X	6.797736	6.825544	6.903686	5.967004	5.2915915	5.7501725	6.165615	5.0928505	5.40627	5.5686935	5.2524575	6.386329
RAB4B	6.792999	6.94044	6.574994	6.297976	6.373262	6.175874	6.108148	6.691872	6.775331	6.392388	6.739635	6.301676
DEGS1	10.57543	10.469745	10.61961	10.729465	11.22448	11.508685	10.64109	11.24629	10.648295	9.832681	10.425905	9.6986055
PHOX2A	4.753055	5.002583	4.974399	4.848989	4.736391	4.790156	4.41698	4.816238	4.477409	5.042918	5.111245	4.447076
ROR2	4.7743065	5.533549	4.4718105	5.1551055	6.8158735	5.804332	6.5694315	6.6218395	5.6272235	6.4319815	5.48658	6.849257
PCDHB7	4.704681	3.66997	3.744837	4.264452	3.42071	3.245236	3.389967	3.543651	3.910842	5.375431	3.638513	4.275561
ELL3	5.320458	5.1367235	4.9564255	5.3604595	6.411662	5.759592	5.3605015	6.770241	5.212221	5.249265	5.458003	5.4357225
NOL4	3.1281045	2.8591555	3.062503	3.2190555	3.165104	3.0672095	2.97447	3.212783	3.007506	5.5081795	3.0986	3.6583325
NOL8	8.44055	8.262136	8.534056	8.405567	9.447388	9.070455	9.546618	9.32385	8.995504	9.392227	8.692615	9.405041
ISG20	4.438316	4.699541	4.980228	4.4735565	4.607031	5.566516	4.8532475	4.4984765	8.3629415	5.0886585	6.6150385	4.582305
KIAA1841	5.023417	4.645178	5.030064	5.1750415	4.8274725	3.606249	4.429812	4.856272	4.59298	4.661315	4.1644165	4.545276
GTPBP4	9.069321	8.835398	9.006203	9.050319	9.596494	10.0198	9.890827	9.470029	9.117137	8.454153	9.793476	8.699572

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
NUBPL	7.585302	7.321944	7.585946	7.747877	7.229381	7.55105	7.117046	7.257173	7.406733	6.840858	7.776498	7.038823
PARG	7.099222	6.79268	6.796917	7.768622	8.440162	9.099028	8.545285	8.579794	8.513845	7.855593	8.798879	7.916564
THAP8	6.728708	7.032926	7.249537	6.835192	6.713098	6.501813	6.801658	6.778405	7.463503	6.803717	6.895825	6.824417
MFSD8	6.172591	6.039939	6.411661	6.231321	6.103182	6.311391	6.44992	6.102096	6.602144	6.088762	6.499689	5.874467
MORC3	8.488676	8.293854	8.149103	8.59679	8.388052	8.129081	9.024851	8.264433	8.773945	9.579362	7.778717	8.900866
HDAC6	6.133953	6.205985	6.190762	6.252598	6.416082	5.975603	6.393335	6.470357	6.055287	6.39847	6.194588	5.946415
ARV1	5.9600495	5.562725	5.788003	5.9159795	6.5690125	6.4542165	6.6082625	6.6864285	6.1540975	6.132691	6.567287	6.593487
HRAS	8.361572	8.3166	8.242538	8.444237	8.286689	8.657833	9.197466	8.241586	7.982041	9.028908	9.086829	8.934876
NRL	4.503844	4.7031085	4.848716	5.06196	4.715807	4.644467	4.5717765	4.7424955	5.0063205	4.5745555	4.88131	4.3591665
TTTY11	5.309053	5.450878	5.19912	5.304469	5.383354	5.085165	5.339941	5.458241	5.294403	5.168588	5.418097	5.162445
FNDC4	7.328341	7.928867	7.466925	7.596049	6.349061	5.796353	6.138994	6.440248	6.34313	6.621839	5.902382	6.458908
HBE1	4.415918	4.758691	4.256008	4.3477365	4.316138	4.4624505	4.2544955	4.3590575	4.188478	3.896974	4.293945	3.7978785
SLC25A30	4.741876	4.631735	4.8233215	4.7291385	4.8941285	5.363856	4.819962	5.080575	4.6051695	4.522515	5.00398	4.3076195
LY6G6D	4.508452	4.748833	4.352306	4.533283	4.128626	4.155686	3.950105	4.115978	4.124848	4.075199	4.347246	4.080848
DPEP2	3.301328	3.848101	3.634895	3.745329	3.755408	3.816919	3.728056	4.092566	3.947586	3.552289	3.755408	3.217301
CISH	6.882815	7.013462	6.836857	6.87125	7.04231	6.791166	7.086801	7.029235	6.661458	7.220793	6.846524	6.928903
TOM1	6.961402	7.143192	6.865216	6.938598	7.142895	6.634744	6.239871	6.945539	7.784356	6.886921	6.901721	6.583982
NPAS4	4.302637	4.233487	4.458989	4.161637	4.3219095	4.1849385	4.0582915	4.21538	4.133104	3.864981	4.21671	3.8428165
GRM4	5.633271	5.415284	5.592506	5.280187	5.768882	5.563357	5.525814	6.089619	5.651073	5.289263	5.736963	5.391211
CACNA2D3	3.393611	4.355095	3.148599	4.082461	3.268854	6.754498	4.624793	3.369537	3.919146	3.60383	5.181005	3.860972
NAALADL1	6.657478	7.0804755	6.8978475	6.597791	5.472839	5.009855	4.807552	5.430712	5.8329905	4.517433	5.231581	4.8945765
GAS8	6.907815	7.181511	7.176996	7.059051	7.134187	7.20178	6.907613	7.361113	6.988948	7.065791	7.281475	6.932705
MAPRE2	5.921446	6.219165	6.191758	6.438788	7.053805	7.205049	6.982646	7.114885	6.74819	7.317668	6.30119	7.460077
PLEKHJ1	7.678694	7.885067	7.680155	8.190046	7.978826	8.03064	8.645171	7.906217	7.660956	8.318121	7.953679	8.176525
ESD	8.7812655	8.445466	8.5173565	8.895268	8.85355	7.6635045	8.9186735	8.772171	8.0833455	8.6983835	7.734723	8.1837305
COX4I2	6.201441	6.091657	5.709744	5.862839	5.503899	5.752666	5.512072	5.737395	5.51369	5.303237	5.567384	5.445908
TFRC	8.327612	7.594893	7.620599	6.630937	6.421682	7.584343	7.196917	6.235126	5.331826	4.587811	5.330956	4.440839
PPIA	9.353933	9.2515755	9.0614675	9.052171	9.109293	9.0416085	9.1836735	9.131247	8.7905415	8.7768995	9.0715405	8.873096
LYZ	3.043662	3.1892405	2.9981685	3.1172045	3.044287	3.5835445	3.1662375	3.131135	2.937575	2.9730465	3.2610325	3.0889955
ZNF564	6.571273	6.304141	6.668882	6.693007	6.641447	6.264811	6.302865	6.645696	6.657018	7.118247	6.552823	7.098458

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
AEBP1	9.836707	10.68491	10.62883	9.713037	8.974184	9.765724	8.264702	8.879805	10.48673	9.732007	9.794961	9.956831
COL4A3BP	7.954393	7.541858	7.507739	7.567338	7.759926	8.117689	8.3021975	7.836275	8.425793	8.4065935	7.0586335	8.421171
TIGD5	6.709344	7.179662	6.790228	6.483047	6.51241	6.540705	6.655806	6.366013	6.028805	6.587151	6.70295	6.807384
SLC31A2	7.010827	6.933236	7.000342	7.781584	6.648958	7.799851	6.901752	6.623347	7.627075	6.421465	7.464308	6.445312
GMIP	5.4759525	5.7732735	5.445158	5.7690895	5.6564455	6.0601485	5.2676475	5.6139705	5.334092	5.6545635	5.6770525	5.188931
SNTG2	2.917492	3.006895	3.046463	2.828281	2.9313915	3.084226	2.8013295	2.7608075	2.9578475	3.0963505	2.871914	3.8342205
TMOD3	6.9507245	7.65002	6.8304425	7.195997	8.898246	9.362481	8.214695	8.73165	6.662435	6.99176	8.308119	6.568957
LSM8	5.3872245	5.407572	5.4916215	5.3085985	5.676124	5.5268655	5.7261115	5.3835615	6.587141	6.6550265	5.049631	6.5456275
SPIB	3.9963225	4.143364	4.217078	4.1604085	4.1787295	3.990855	4.211363	4.0509665	4.149488	4.4113455	4.387705	4.0981965
TMEM50B	7.685067	7.507524	7.791046	7.553809	8.365941	8.216509	8.776287	8.141466	7.589689	8.062291	8.074587	7.671247
PXN	8.0085725	9.055158	7.826762	7.7445845	6.7033495	7.098578	5.7850025	6.4864925	6.375645	5.9073575	6.8515195	5.7574945
TUFM	7.6578525	7.875702	7.7599515	8.179446	8.875704	9.257695	9.1620055	8.8595335	8.220688	8.406501	8.6645685	8.527735
ME2	8.571618	8.562715	8.732285	8.515257	9.251233	9.918407	9.853489	9.245386	9.541119	8.735683	9.049651	8.654939
BPI	4.5141115	4.7134995	4.5995095	4.6459685	4.61815	4.4566445	4.339506	4.506772	4.68682	4.8837015	6.1258095	5.9973825
TMEM116	5.5920115	5.6748905	5.625529	5.536777	5.1214455	4.969252	5.2111945	4.726628	5.915347	5.384494	5.8962735	5.0620305
SYNGAP1	5.4659345	5.651806	5.1721465	5.074636	5.269218	5.219913	5.146918	5.2634385	5.567133	5.347282	5.3575625	5.6109085
RPE65	2.494699	2.293712	2.712503	2.247102	2.331761	2.384875	2.304088	2.399819	2.313504	2.467797	2.249312	2.774841
ALK	4.8903365	5.021368	4.860315	4.5690785	4.823658	4.596423	4.648916	4.774314	5.095665	4.677755	4.911809	4.7386505
POLR2G	7.4487755	7.7125425	7.3140595	7.355192	7.6274405	7.1779505	7.4651145	7.4127145	7.7716	7.785452	7.758414	7.525806
ARRDC3	8.541946	8.441075	8.798392	8.523987	8.150209	6.339847	7.346704	8.201085	8.314103	9.614253	8.522449	9.220802
HSF2BP	4.656523	4.801273	5.148	5.160192	5.048477	5.665975	4.979162	5.326582	6.025137	4.78668	5.814707	4.620265
ST3GAL4	5.0642815	5.252807	5.395472	5.305001	4.8236035	5.1440295	5.0424625	4.8610355	4.651611	4.5890175	4.788904	4.9629835
UBE3B	6.205876	6.1169175	5.8526725	5.9448595	5.8997555	5.648071	5.833556	5.944189	5.5149175	5.385386	5.609433	5.163223
HTN1	2.592334	2.593903	2.7228	2.90731	2.702029	2.604038	2.540366	2.716944	2.857179	2.652176	2.843822	2.630568
CDH9	2.988635	3.006905	2.8549	2.707836	3.044126	2.599735	2.792933	2.811082	2.760801	2.793863	2.747111	2.233211
SLC25A42	3.897907	4.060542	3.815288	3.7365655	3.989758	3.918844	3.9371485	3.954012	3.8390325	3.83453	3.8983275	3.4933395
PPP1R3D	6.136361	6.3608335	6.338992	6.3798615	5.993664	6.2088995	6.6982915	5.855081	5.6900435	5.8832575	6.2243225	6.17838
MRPS6	10.14941	10.0701	9.988734	10.49426	10.07289	10.41192	10.26176	9.919003	10.11603	9.282461	9.726212	8.892615
SCYL3	7.144444	6.668509	6.955648	6.899039	6.978006	6.992354	6.91619	6.894782	6.852256	6.887435	7.051512	6.967498
BRCA2	6.305615	5.470633	5.282978	5.6534405	5.1222395	3.7520685	5.846081	4.7816295	4.449704	5.0265885	3.7623135	4.889928

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
TAS2R7	2.99728	2.983043	3.019152	2.846424	3.013915	3.058911	3.091312	3.265178	3.133099	3.042276	3.061111	3.039437
AMBP	4.650386	5.063049	4.865442	4.8931515	4.907942	4.8020445	4.776018	4.8338725	4.6979815	4.3854165	4.769076	4.319575
OSBPL7	4.791642	5.168898	4.552532	4.824352	5.357204	4.880438	4.897139	5.336236	4.946447	4.6707	4.981541	4.553403
ANKRD13C	6.845327	6.403875	6.810276	7.429224	7.870503	7.863228	7.61716	7.974782	7.226114	6.964801	7.115681	6.939968
PFKP	7.6706325	7.997198	7.7345425	7.7489425	7.5784245	7.5700365	7.55245	7.638391	7.0092915	7.6472775	7.8876795	7.5517345
MAPK4	3.838024	3.948349	3.949831	3.933307	3.85774	3.979402	4.069106	3.964372	3.950562	3.913576	4.301761	4.101734
SPATA16	4.086822	4.257272	4.175342	4.243618	4.335065	4.146664	4.254534	4.296743	4.092718	3.850991	4.217203	3.981312
WNT6	4.293194	4.9978925	4.4110975	4.4861295	4.245427	4.333285	4.1320635	4.154687	4.1695375	4.161745	4.172529	3.7520035
CD52	3.463332	3.6683635	3.619348	3.6394895	3.414435	5.048744	3.5445565	3.3398785	3.1345505	3.6556845	3.344385	3.174852
BATF	6.062762	5.706786	5.735829	5.445908	5.569034	5.675576	5.591617	5.518801	5.680287	5.575136	5.614305	5.233595
MBTPS2	7.14274	7.365371	7.270755	6.632901	6.770934	7.067881	6.911379	6.60522	6.270857	5.641841	5.898386	5.174839
FBXW12	5.823032	5.534006	5.756241	5.49575	5.8215515	5.792453	6.0253575	5.730341	5.577941	6.4616635	5.923437	6.997028
OPLAH	5.489302	5.867024	6.144429	5.552116	5.438714	5.586894	6.603912	5.510698	5.035816	6.843967	4.457961	6.73222
SAFB2	6.6844995	6.6522165	6.5914955	7.057221	7.4368785	7.8160135	7.5770145	7.351742	7.219251	7.7639035	7.5033415	7.7193215
LRRC4B	3.188474	3.562639	3.106684	2.961734	3.205991	3.184974	2.827805	2.699254	3.17247	2.862626	3.14699	2.791981
PCDH18	9.86581	10.1034485	10.634946	10.2664115	8.242246	6.622615	8.001641	8.1505845	7.5763195	7.7349115	6.5633835	7.588319
GOLGA1	6.9708375	6.8054635	7.01525	7.171319	6.7340065	6.724081	6.6591575	6.756734	6.7355235	6.8694565	6.919471	6.6827775
CDSN	4.606734	5.122074	5.0200215	4.975593	5.106324	5.335438	4.925709	5.1156155	4.8849545	4.7861075	5.164026	4.5550185
ZC3H7A	8.323599	8.300719	8.4775505	8.5603705	9.180582	9.191344	8.958045	9.1484415	9.046882	8.0557615	7.74113	8.3366765
SCNN1G	3.1476625	3.31261	3.098679	3.2280855	3.335876	3.3816115	3.244786	3.35002	3.2890845	3.428299	3.525963	3.4601035
EIF4A2	2.382249	2.55856	2.631267	2.534002	3.151852	3.436804	3.4096	3.208886	2.666331	3.115693	2.894833	2.877832
COMMD9	8.581627	8.585267	8.250499	8.670248	8.702174	8.694174	8.71418	8.658438	9.000112	7.522739	8.529738	7.628748
HSD17B12	3.36849	3.5233995	3.6080705	4.2865755	3.320648	4.5401755	4.157666	3.6375755	3.4562605	3.7591035	3.900161	3.7899855
CDYL2	6.617158	6.060517	6.123347	6.355259	6.172794	6.247968	5.975	6.452077	6.181315	5.524635	6.332886	5.573285
CDC42EP2	7.398645	7.1796275	7.5183785	7.3885365	5.89271	7.538662	6.2522605	5.9252135	7.367655	5.959528	7.486891	6.3779445
PADI3	4.152287	4.222675	3.873297	4.217139	4.21009	4.307991	4.28637	4.401336	4.080115	4.161206	4.14198	3.940545
CYP3A7	3.696969	3.781822	3.992491	4.249457	3.840634	3.594881	3.7207	3.925111	3.917804	3.712619	3.656162	3.663966
AVEN	8.161396	8.421556	8.816361	8.728493	7.808511	8.413056	8.106249	7.896705	8.85169	6.955005	8.3592	7.210982
NOX4	4.358864	4.68016	3.755443	4.1774905	4.557138	4.2022325	3.2611985	4.3468695	4.6278505	3.150552	5.4935755	3.1860455
NGRN	10.064194	9.7318415	9.8309115	10.0761795	10.102824	10.034658	10.1025165	10.1001355	10.735665	9.8170095	11.054675	9.8283985

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
SPATA5L1	7.190217	7.035598	6.753109	6.814037	6.949474	7.251875	7.267072	6.99776	6.597421	7.008102	7.795221	6.876515
PIGK	8.929012	8.531424	8.001408	8.892605	8.537874	8.394886	8.374688	8.458488	8.861846	8.63367	8.071279	8.251737
EMP2	9.0599025	9.4437335	9.373593	9.0058105	7.9962885	6.5397385	9.2609555	7.432391	6.3215795	8.5611995	6.275379	7.4144645
SLC7A13	3.208976	3.073097	2.928186	3.101225	3.114675	3.246929	3.158775	3.156092	3.023533	3.137379	3.338889	2.839302
SNPH	6.451185	6.35755	6.725877	6.066835	6.054186	5.759705	5.974865	6.094739	6.660366	6.698195	6.100782	6.511713
UBE2V2	6.127707	6.782969	6.770021	6.71542	6.457484	6.904961	6.73066	6.101301	7.188015	7.040075	5.176141	6.469599
ZFP2	3.923595	4.018001	3.672052	3.769305	3.793815	3.596769	3.611127	3.437025	3.669631	4.025743	3.705786	3.76973
MSLN	3.213099	3.392999	3.093847	2.915258	3.091949	3.063316	3.619781	3.288058	3.296497	3.350188	3.27365	3.038498
RPLP0	13.75893	13.61952	13.6533	13.7118	13.64189	13.41626	13.72617	13.69806	13.4589	13.48247	13.6742	13.40895
TNNI3	3.891099	4.331491	4.132984	4.16924	3.810929	4.755819	4.638164	4.16924	4.159082	3.539228	4.104695	3.780909
ZMYM6	5.711006	5.121004	5.543676	5.135104	5.661733	4.999587	5.746625	5.649322	5.805509	4.752534	5.002851	4.996528
UGT1A8	3.174711	3.184785	3.179224	3.300666	3.346982	3.955106	3.333909	3.232227	3.259671	3.245407	3.057155	3.528953
SRPK1	8.334396	8.2051865	8.0922695	8.150579	8.660478	8.8599675	9.0212305	8.472116	8.432608	8.4687375	8.3344565	8.3267355
TMEM107	6.403718	6.538675	6.304163	6.454777	5.485595	3.69457	4.959221	5.014608	5.004339	6.328951	5.071249	5.817514
TRAPPC1	9.603814	10.63241	9.296604	9.812876	7.020288	7.483554	7.103286	6.99066	6.467703	6.641448	6.67577	6.371976
GPR150	4.361511	4.856172	4.489782	4.255984	4.400674	4.653139	4.502264	4.114596	4.078047	3.680414	4.13444	3.707911
LMAN1L	5.557206	5.759339	5.53389	5.72226	5.579995	5.654381	5.190642	5.659195	5.660612	5.662226	5.616932	5.358984
BCHE	3.061573	3.224553	2.629298	4.31273	3.867846	2.486868	2.558706	3.787807	6.476851	2.971519	3.650726	6.854758
SOX1	4.223904	4.422668	4.404953	4.121208	4.329008	4.47005	4.298779	4.294264	4.377004	4.906513	4.411339	5.038406
KCND1	5.666747	5.265327	5.088692	5.629406	5.282117	4.716782	4.527596	4.985643	4.821447	4.823573	5.279997	4.887926
EIF1B	6.1936345	6.339298	6.196116	6.3963585	6.5710725	6.577058	6.543811	6.6835515	7.2860095	6.299935	6.906473	6.535547
ST8SIA2	3.319045	3.5058875	3.3679325	3.575255	3.715837	3.3528555	3.4089205	3.428063	3.523281	3.2300005	3.5723325	3.124823
IRF5	4.879874	5.599961	4.708408	5.160105	4.936669	4.540756	4.590046	5.005012	4.959662	4.624828	4.839764	4.25494
CD300A	4.217147	4.27108	4.489782	4.666084	4.383795	4.084527	4.469376	4.294264	4.246408	3.96596	4.638947	3.962521
SDC2	9.155059	9.522228	10.07682	9.795435	10.52995	9.945971	9.560887	10.57703	8.977757	9.071239	8.088527	8.248856
IL17F	3.828526	4.376787	3.945586	4.413904	4.204474	4.040352	3.922272	4.239198	3.868196	4.118809	3.989032	3.454382
IFT80	6.944698	6.974399	6.811563	7.1027035	6.435902	5.822122	6.254727	6.3734475	6.8726175	6.340013	5.8233065	6.3508375
TOP1P2	2.639091	2.8153845	2.6220365	2.547376	2.506529	2.646338	2.498066	2.6446955	2.603415	2.5416985	2.691332	2.4161325
FBXO42	6.503312	6.4508595	6.9279245	6.728388	6.463006	7.471149	6.7820865	6.4719305	7.519758	7.0418785	7.374806	6.9453385
DGKE	3.410094	3.535858	3.904935	3.567317	3.992065	3.862992	4.069106	3.99635	3.786245	3.94402	3.554215	4.154329

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
TDRD1	2.904814	3.214415	2.705856	2.760214	2.869164	2.829926	2.762604	3.144079	3.089708	2.626122	3.027443	2.777318
NMD3	9.546574	9.340099	9.417295	9.715479	10.1745	10.59324	10.03239	10.01922	10.00708	9.23486	9.59076	9.800331
APOBEC3C	8.733297	8.957905	7.511617	8.680308	8.443018	9.229714	8.775269	8.42981	8.081977	8.394448	8.296723	8.147808
MORC2	8.3763725	7.97508	8.1723185	8.109155	8.2302375	8.582872	8.4639785	8.2814255	8.062226	8.81558	8.8674785	8.703917
TBC1D22B	4.830832	4.656123	4.315421	4.765309	4.13617	4.457409	4.427322	4.333891	4.015285	4.664657	4.458634	5.38353
CCDC27	5.018855	5.1188	5.270084	4.929106	4.409402	4.607112	4.56281	4.800475	4.560773	4.474569	4.82382	4.395923
TCERG1L	3.032329	3.444837	3.305214	3.611174	3.449903	3.224554	5.221893	3.521377	3.322429	8.919445	3.11364	3.703644
TOB2	7.315394	6.82618	6.673004	7.356817	6.789135	6.486701	6.538714	6.700403	5.154808	6.693254	6.129784	7.395789
DOT1L	5.746089	6.135101	5.942118	6.419558	5.951049	5.789511	5.870189	5.776905	5.639616	6.017497	6.044515	6.302332
NETO2	6.028848	4.9034655	5.2873855	6.662372	8.4169615	9.8947455	9.7776965	8.2816435	8.8816885	9.0112595	9.2367185	8.658404
SIDT1	2.428459	2.300236	2.365318	2.486124	2.742826	2.638998	2.525923	2.613267	4.262979	2.666497	3.087306	2.642292
ARHGAP1	7.1881595	7.3545815	6.437791	6.638506	6.478676	6.2410405	6.020325	6.487412	6.218422	5.985591	6.1237495	6.059853
ITGB6	3.296523	3.5157655	3.3300075	3.657753	3.7071845	3.8300185	3.52454	3.7589715	3.5380855	3.2563235	4.4776255	3.2101325
MFSD3	4.729055	5.083909	4.7499255	4.8064405	5.142374	5.1139515	5.4056555	5.20435	4.9724555	4.949809	4.82442	4.8935925
ACO1	7.068444	8.279108	7.2539935	8.4187395	7.263325	7.4122595	6.3944325	7.3904795	7.2723695	6.4691725	6.579056	6.051636
CRYL1	7.335875	8.015327	7.463926	6.975368	6.445251	5.79727	5.737571	6.425598	6.137842	7.28966	7.074979	6.406288
TMSB10	13.6963	13.64114	13.74243	13.84727	12.89775	12.657	12.47502	12.84727	13.4954	13.02027	13.10047	12.82558
OR13C4	5.5792545	5.6915805	5.5388445	5.532276	5.541631	5.626116	5.3749515	5.564292	5.487739	5.348616	5.6615985	5.12704
PGAM2	3.649374	4.592581	4.586199	4.06079	4.131273	3.869348	4.348002	4.22543	4.263676	3.547456	4.129592	3.676058
SLC44A3	3.518947	3.106726	3.93265	4.054542	3.213254	3.468935	3.311986	3.05092	3.589577	4.180911	3.121839	3.682114
NFASC	6.6981165	6.103588	6.008594	6.4501355	4.2166765	3.961723	3.9990855	3.968361	3.8460465	4.4286445	4.6142535	4.012012
GAD2	3.914512	4.0276	4.245213	4.222282	4.294642	4.243494	4.16769	4.558865	3.973661	3.974678	4.107321	3.849972
ZNF546	3.4876045	3.600107	3.641624	3.700064	3.8707945	3.727634	4.011406	3.828913	3.6971	4.038598	3.665117	4.3731885
SFRP1	6.136763	6.5942365	8.3919655	7.4358465	7.3655905	6.3858445	7.4507835	7.399074	4.6738325	6.8823515	5.688505	7.1795135
TTTY7	4.801934	5.1083795	4.75412	5.1820945	4.9157945	4.759447	4.559079	4.8745845	4.6910425	4.3450645	4.7095605	4.4842855
DLL4	6.279501	6.029154	6.272443	5.753642	5.735046	5.634333	5.820473	5.817163	5.781706	5.526705	5.85549	5.549513
PTGES	7.9827165	7.6585005	7.053097	7.192832	7.1336085	8.1329015	5.6693565	7.2684695	5.6644005	5.588349	7.752002	5.7137305
HIST1H1B	4.079189	4.354854	3.687112	3.633934	3.076767	3.159565	3.297819	3.078121	3.044126	3.325276	2.958788	3.531983
ITIH3	4.112006	3.778452	3.7223	4.121094	3.979052	4.084817	4.203514	4.026816	4.268454	3.848009	3.840474	3.982277
IKBKE	6.5660765	6.6975415	6.611167	6.823308	6.510636	5.845203	6.1234615	6.4167825	7.0776385	5.986752	6.4871405	5.625225

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
SMARCD1	6.46175	6.700656	6.7208275	6.459803	6.110958	6.12813	6.0270915	5.9822475	6.130998	6.205447	6.1464655	6.202665
GTPBP6	7.692332	7.933152	8.010575	7.718837	8.100773	8.516684	8.508687	7.93903	7.578837	8.140589	8.158201	7.271044
JOSD1	7.7004675	7.2405265	7.4098565	7.0551235	6.754057	6.80594	6.9112535	6.6443965	7.5633835	7.358592	7.4465975	7.309997
SLC17A4	4.117753	4.0719595	3.939462	4.235252	4.1176485	4.0225315	3.9933215	4.1488685	4.289212	4.2293565	4.14582	4.187717
OLFM3	2.412969	2.3989345	2.3787175	2.213252	2.868953	2.6779175	6.019888	2.979426	2.474195	2.443199	2.2791045	2.399527
TMCO2	3.955291	3.870037	4.314209	4.342684	4.089394	3.859646	4.302121	4.194758	4.089394	3.928463	4.208169	3.994248
PTPN21	5.602325	6.31351	5.675599	5.394412	4.790627	4.706161	4.727188	4.811154	4.686643	4.672458	5.08906	4.563836
C8A	3.19761	3.515343	3.303085	3.288792	3.447014	3.287103	3.288792	3.090889	3.437572	3.415614	3.37566	3.480487
CFB	4.756865	4.116637	4.5491405	4.5343535	5.546308	4.956615	5.0023875	5.6726425	6.5711145	5.5453375	6.205752	5.0900635
NRIP3	8.187896	7.4193605	7.042812	7.3847875	5.2433255	4.844045	5.222813	5.2933615	7.3749675	4.537754	6.8617435	5.0758065
SAMD9	7.290225	6.9922695	7.477717	7.872628	8.3693695	8.057847	7.9206765	8.541228	9.4231115	6.419192	8.4190905	7.113039
DDX24	8.5022295	8.2932115	8.3091845	8.422424	9.605284	9.7655235	9.830142	9.62909	9.052409	9.311488	9.6559615	9.877236
ZNF300	7.136899	5.657493	6.773978	6.78712	7.340476	5.951169	7.808914	7.148938	7.828135	9.019215	6.305098	8.599649
RAB43	5.252128	5.493025	5.511543	5.830359	5.316367	5.459924	5.519737	5.287238	5.544383	4.86074	5.157169	4.419102
PIP5K1A	7.387768	7.869302	7.245731	6.050375	6.134704	8.297297	6.679852	5.741442	7.478316	5.403166	5.849898	5.305237
RHOG	8.946814	9.08425	8.679353	9.171997	8.517025	8.902048	8.565699	8.323931	8.622746	8.045118	8.625159	8.046919
IRX1	8.051934	7.59791	7.871904	7.800641	6.816998	3.250892	4.242838	6.459174	3.178665	2.950977	8.386816	4.226724
APOL5	4.138783	4.32368	4.09882	4.320003	4.403741	4.038538	4.137123	3.858254	4.038056	3.964178	4.128131	3.741041
XPOT	10.492035	10.27775	10.484445	10.4805355	9.7300095	10.4132925	9.8832895	9.702261	10.6017645	10.2549725	10.641685	10.4720385
TYSND1	5.2185625	5.7032705	5.198942	5.3966465	5.8146315	6.311336	5.734518	5.690438	5.7996415	6.0502	5.9472015	6.2682685
SLC39A6	9.878624	9.568002	9.6817745	9.5154695	9.1095995	10.5146965	9.333985	9.1586695	10.188271	7.6727455	9.2754785	7.3441475
SUPT6H	7.6448515	7.6277075	7.60349	7.5629715	7.5323435	7.456058	7.485559	7.3839865	6.6489695	7.11888	6.800177	7.2826015
GAK	8.424173	8.150972	8.391482	8.5427985	8.340644	8.9057325	8.4284765	8.268346	8.254227	8.6199545	8.634363	8.684595
CNTN3	11.26971	11.59169	11.38477	10.66601	6.19527	4.977345	2.907458	6.639995	2.753318	9.808561	4.769427	10.53556
FLT1	4.4270745	4.1680105	5.9775175	4.27576	5.718533	6.742891	5.9583185	5.749999	4.380293	5.947432	6.507765	5.3152025
IGSF9	4.087913	4.572638	4.25845	4.126437	4.11725	5.967703	5.463737	4.377145	4.138834	4.423966	4.404028	4.381836
P4HA2	7.934274	7.7156005	7.717448	7.752047	6.714324	6.7367595	5.9170915	6.842532	6.7782145	6.504331	6.544276	6.1187465
GCNT3	4.969559	5.262207	5.120252	4.902076	7.145505	9.296917	7.373409	7.289238	5.036271	4.304918	8.114223	6.583793
B3GNT3	4.168651	4.447704	4.815298	4.400824	4.67084	4.410004	4.475509	4.463202	4.206349	4.270248	4.461037	4.455338
WDR61	8.064857	7.513749	7.647899	8.017088	8.439124	8.586769	8.502311	8.367889	7.882666	7.940956	8.236669	7.64068

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
GULP1	4.660317	4.139477	4.253113	4.21863	8.224334	8.829779	9.260757	8.380285	8.475693	7.892754	6.616312	7.628748
FAM98A	5.299805	3.709713	4.922304	4.154906	3.049029	3.388922	3.211683	3.216482	3.460921	4.611248	3.276024	5.838831
TXNL4A	5.635789	5.289237	5.765438	5.840193	5.892533	8.859672	6.734896	5.921618	7.541454	5.763523	6.586906	6.107202
JAM2	6.600906	7.1127545	7.121899	5.2087985	6.5574615	7.6506245	6.861343	6.0116655	6.6049785	6.7333405	4.269305	6.8262585
IBSP	3.762475	3.94058	3.777511	3.864151	5.3141565	3.8782015	3.691626	5.162993	3.7629335	5.798727	3.614376	5.398142
MRGPRF	9.212699	9.301319	9.542892	9.1838	5.286858	6.891556	5.276354	5.366723	8.612434	4.424253	7.270593	5.186191
MINPP1	8.307818	7.924874	8.075773	8.846931	8.77731	10.23824	9.367075	8.866431	8.524722	9.187859	10.73393	9.521831
CLIC1	12.23698	12.04718	12.16917	12.1762	11.63268	12.28798	11.82131	11.57706	11.13924	11.00444	12.49619	10.50821
NEDD1	8.877284	9.736456	8.534361	9.584106	8.556064	7.822609	8.525261	8.492188	9.491862	8.309476	6.969433	7.991516
GLB1	9.750506	9.607137	9.793496	9.800764	9.532655	10.30464	9.197668	9.401797	10.55301	9.250141	10.26795	9.191075
DDX27	8.278043	7.7050105	8.109596	8.1052675	8.5228575	8.766557	8.65219	8.566856	8.381194	8.496344	8.988249	8.514433
ZBED4	6.138317	5.6197625	6.1821305	6.1193535	6.037583	6.3945775	6.063737	6.097645	5.8725265	6.3647225	6.1125935	6.319591
RGS19	8.042377	8.137432	8.545359	8.241188	8.129844	8.665549	8.135502	8.036631	7.857217	7.573702	8.113741	7.893104
EFNA5	4.6595055	4.356801	5.116548	4.023265	6.9642415	7.1183305	7.8872065	6.8762735	6.7326415	7.391298	5.611056	7.4297515
ENTPD5	5.281942	5.571061	5.45942	5.350451	5.337853	5.213988	5.47321	5.077706	5.406706	5.107493	5.658113	5.828953
SECTM1	6.710517	7.068324	7.103962	6.405871	7.263396	6.405871	8.394216	7.233626	6.82837	7.374051	6.616345	6.87685
UGT3A1	4.047143	4.163163	3.705331	3.811558	3.951297	3.813253	3.988986	3.759019	3.921298	3.720201	3.950562	3.53584
AFF1	4.446267	4.77422	4.757302	4.541472	5.119859	5.273461	4.916434	5.095075	5.672791	4.764668	5.09655	5.045203
B4GALNT2	3.983506	4.11161	3.991168	4.220546	4.463671	4.176936	4.483439	4.199857	4.270472	3.904147	4.303372	3.979427
BLK	4.355793	4.502623	4.100949	4.240023	4.2918835	4.4156055	4.110983	4.548518	4.402097	3.929839	4.251996	3.992157
MOCOS	5.7280965	4.1891915	5.970149	5.488958	6.1562045	8.136168	7.750528	5.9573825	6.892682	7.2993675	8.952713	7.5291325
NMI	7.303168	7.492263	8.160456	8.256989	8.448865	7.650148	8.554859	8.397375	10.72241	7.613667	9.160163	7.350201
FBXO31	6.198253	6.242758	6.365648	6.224033	6.23896	6.40839	6.241421	6.229891	6.146091	6.086861	6.445194	6.146322
ACSBG2	4.406877	4.870057	4.879251	5.178357	4.624919	4.527319	4.850878	4.590451	4.32991	4.082841	4.575003	4.324283
B4GALT7	6.957614	7.134529	7.218426	7.638291	6.901334	7.5623215	7.0218215	6.9724955	7.2960175	7.05653	7.2841975	7.050332
FZD7	8.4936315	9.794088	10.044426	10.344745	6.390592	6.3472065	3.7244195	6.5054675	9.738916	5.0253565	5.1689145	4.300531
ATP2A1	4.109595	4.2260575	4.0295075	4.269823	4.1467385	3.994882	4.1089605	4.1574105	4.0606775	4.219682	4.2498705	3.932521
C7	3.483464	3.4252935	3.5617735	3.552589	3.481062	3.3492675	3.400816	3.527365	3.833533	3.3247005	3.466212	3.398481
LGALS13	3.139813	3.230367	3.296403	3.23734	3.436295	3.424481	3.608201	3.800978	3.472354	3.08802	3.423245	2.832546
ZNF561	7.3660095	6.964238	6.804832	7.239163	7.548406	7.278635	7.84766	7.700515	7.3274645	7.5683	7.5465575	7.5163315

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
MLANA	3.844919	3.6930065	3.779232	3.923749	3.9327805	3.8536795	3.5874705	3.9482835	3.822609	3.5851715	3.975307	3.609874
ZNF212	7.53657	7.372292	7.576951	7.469969	7.305085	7.41574	7.401489	7.220357	7.764147	7.667912	7.774146	7.43649
STON1	6.512484	6.2818825	6.416806	5.9123755	5.8706585	4.465209	5.1367315	5.884828	4.917178	5.1036095	4.6013855	4.956174
PPP5C	6.274291	6.381234	6.0771885	6.417106	6.709162	7.5681715	6.42824	6.5422955	6.4581525	5.9432535	6.8645455	5.9044605
RASA2	9.328001	9.148804	8.945962	7.800091	5.584837	5.85481	6.249611	5.546092	6.630363	7.946687	5.585734	8.758394
SLC7A5	7.357798	8.541792	8.992504	8.602199	8.932053	10.73975	9.829943	8.878292	10.84399	10.63563	11.26459	10.91713
NUCKS1	10.0397215	10.0361645	9.7788555	10.24831	9.8331185	9.077654	10.51855	9.5478215	9.8528175	9.725814	8.579215	9.400338
HOXA11	6.484734	6.6392965	6.842267	6.7101775	6.5773945	6.8396385	5.5800275	6.472068	4.916902	5.117356	7.0606885	6.471966
FGD6	5.266675	5.418097	5.384609	5.583938	5.682539	6.560536	7.847178	5.695377	5.669397	6.825251	5.699833	6.083453
ZPBP	3.315859	3.44317	3.436095	3.375337	3.277668	3.251148	3.319411	3.485864	3.651052	3.489916	3.342235	3.290858
XRCC5	10.62531	10.13805	10.04337	10.2166	10.54222	10.38613	10.85191	10.3905	10.237	9.887693	9.90066	9.632237
PELP1	5.6335935	5.8870885	5.5836045	5.6045275	5.186415	5.502795	5.5093765	4.984184	5.8743165	5.305319	5.813128	5.719397
DUSP27	3.430268	3.30404	3.546209	3.275502	3.703114	3.409667	3.3253	3.31734	3.708877	3.482979	3.465963	3.136558
TNIP3	3.182739	3.563017	3.151002	4.136441	2.805772	2.786263	2.754709	2.634207	3.150156	2.717909	2.822039	2.626513
ZNF100	3.447416	3.638314	3.706666	3.75786	3.773387	2.931014	4.282781	3.561962	3.870138	4.898448	3.295209	3.657815
APOL4	4.985151	4.960795	5.072605	4.899914	6.347188	5.992207	7.009453	6.135928	5.011212	7.107928	5.956571	6.213384
CDH12	2.518913	2.429348	2.581396	2.496296	2.316096	2.497031	2.572754	2.455785	2.553492	2.621848	2.777713	2.79854
DNASE1L2	5.289597	5.251757	5.136319	5.312138	5.52533	5.302438	5.532472	5.700191	5.359136	5.160389	5.578815	4.783116
ARL2BP	9.875319	10.00565	10.12651	9.86088	9.091511	9.288406	9.01188	9.108544	9.562206	7.641798	8.970427	6.876515
ELAVL4	3.627925	3.6629125	3.3596945	3.346523	3.5357255	3.3889715	3.3951095	3.494364	3.3200095	3.2546035	3.508825	3.03216
TRPM2	5.569265	5.679172	5.610413	5.46081	5.36503	5.12654	5.347902	5.054726	5.121372	5.101785	5.432177	5.077438
OR7D2	2.819297	2.823651	2.993553	2.90184	2.849113	2.789906	2.579412	2.705154	3.77865	2.616475	2.76679	2.615038
STAB2	3.988912	4.046541	4.059015	4.232486	4.0110795	3.961623	3.8613675	3.977799	3.8655485	3.739462	4.0589	3.5438485
ELL	6.145728	6.203777	5.990303	5.787585	5.583622	5.76752	5.623793	5.649455	5.629022	5.604908	6.256132	5.445908
YTHDF1	9.490936	9.11051	9.55106	9.47784	9.64438	9.988573	9.601549	9.584059	9.854658	9.508836	9.730333	9.397274
NUDT14	4.9049775	5.025955	4.6142435	4.986317	5.549968	5.372234	5.0037325	5.379421	6.1419525	5.209696	5.974551	5.0808245
KCNE4	5.81725	6.359306	6.127028	5.922862	8.423229	3.784924	4.224094	7.939533	7.805418	4.186246	4.409264	4.071976
UNKL	7.202122	6.484736	7.039016	6.836948	7.328664	8.063392	6.516124	7.341336	6.232225	6.549567	6.232634	7.254743
HIST1H2AM	4.158271	3.994249	4.278042	4.521328	5.689597	5.09686	5.904183	6.102266	5.1205	4.764669	5.454465	4.764669
ARFGEF2	6.965699	6.2147545	6.915077	6.667953	6.86016	7.7985785	7.1159325	6.8531645	6.65298	6.3544405	7.0872715	6.6369905

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
SGCZ	3.138766	3.256958	3.088662	2.939132	3.115208	2.859426	3.265177	3.056772	3.025711	3.42089	2.768551	2.687613
PRKD1	5.202115	4.964756	5.286245	5.7585445	4.6382285	3.1199755	3.0482285	4.5040735	4.387395	3.8741965	3.1021235	3.072074
TCEA3	7.134298	7.7051435	7.554791	6.857052	5.96802	5.3631025	6.0790205	5.7795635	6.950815	6.9569225	6.134395	7.5201
TALDO1	10.81271	10.47942	11.25841	11.2539	11.53775	11.01153	11.25689	11.50198	11.4538	11.43965	11.51656	11.36447
ATXN3	5.873909	5.611105	5.772282	5.601196	5.817946	4.916761	5.538005	5.622329	5.494133	5.811094	5.786096	5.910811
CRYGA	4.51745	4.647994	4.61734	4.864762	4.913848	4.941017	4.827584	4.698528	4.640785	6.124229	4.754511	5.097724
TOPBP1	9.03063	8.702972	8.588323	8.82197	8.666466	8.020105	9.271814	8.492729	9.207229	8.582942	7.44572	8.708609
GPA33	5.180263	5.055719	5.089921	5.309899	5.359455	5.835325	5.437591	5.370021	5.217296	5.128073	6.598898	5.186256
RAB1B	8.7652	9.432703	9.295286	9.63052	9.292238	9.226463	8.929165	9.281931	8.745861	8.921097	8.510161	8.808213
ANP32D	2.913561	3.031402	2.976832	3.110746	2.926083	2.985992	3.013198	2.934565	3.098942	2.857957	2.891451	2.673901
FOXF2	6.831339	7.525996	8.036972	7.524214	5.017529	4.444923	5.463352	5.294931	6.270733	5.279997	6.096593	5.062623
HRH3	5.630736	5.863479	5.6370665	5.8129345	6.01386	5.9026815	5.9141585	5.87161	5.694986	5.647219	6.0768035	5.53368
GPSM2	7.686365	6.586614	7.08369	6.469379	6.951441	6.488133	6.774724	7.02703	5.921901	6.648705	5.737709	6.538214
NXF3	3.9947965	3.7567065	3.887592	3.84036	3.9092385	5.899612	3.933457	3.968151	3.9026045	3.6520445	4.7664395	3.444341
APOBEC4	3.043223	3.312797	3.175163	3.212937	3.246804	3.013332	3.176373	3.545959	3.010937	2.962452	3.147964	3.429038
SRA1	9.0705065	8.866276	8.919756	9.4562035	10.08128	9.711927	9.9400675	10.15545	9.2987755	10.0755125	10.670895	9.92934
CHST4	4.756643	4.601793	4.570632	5.053072	5.245018	5.74449	5.022149	4.873514	4.811996	4.281942	5.622735	4.191802
DSCAML1	3.255779	3.415139	3.3535655	3.3975335	3.458427	3.2383085	3.5087185	3.3790295	3.4261525	3.404425	3.6215355	3.5174265
ZBED5	5.942431	6.434897	6.036452	6.007717	6.274312	6.044671	6.450145	6.295341	6.323441	4.896709	5.808455	4.892292
TAF7	10.40655	10.39985	10.53639	10.43324	10.46522	10.38178	10.38313	10.50722	10.31794	9.91849	10.41098	9.393977
ZNF358	6.4741445	7.1475735	6.452461	6.562593	6.2854945	5.634328	6.1388795	6.040744	6.1032535	5.9856055	5.885353	6.2547075
PDGFC	9.382044	9.92918	9.53356	10.6982575	8.827628	7.7127355	4.025667	8.7851285	9.973889	5.8722665	9.3768235	5.5725535
NDUFA13	11.09891	11.25219	10.93577	11.17566	11.62921	11.28488	11.48459	11.63487	11.30315	11.78349	11.39965	11.68399
PLCL1	3.128423	3.002245	2.902707	3.106791	4.314839	4.393467	3.225921	3.759387	2.939225	2.955087	3.381876	3.182918
GHITM	10.40253	10.07838	10.2233	10.47861	10.98919	11.35647	11.28406	11.01458	11.2937	10.57634	11.71324	10.62117
AZI2	6.978611	7.257386	7.224924	7.238259	6.8195585	6.383002	7.1362645	6.698821	7.9926095	7.399791	6.6807185	7.3594415
OGFOD2	6.48619	6.507558	6.668882	6.50647	6.755757	7.375477	6.743569	6.778557	7.234392	6.899543	7.878512	6.703465
PLXNB3	4.718465	5.026538	4.758882	4.886852	4.626338	4.511018	4.574076	4.746029	4.457978	4.388583	4.774828	4.798352
NAV2	5.825711	5.2863065	5.4498735	5.161089	4.957674	3.8349815	3.873578	4.823055	4.8845065	4.009695	4.923302	4.1164245
EIF2AK4	6.207672	6.1839075	6.3454825	7.000885	6.4236925	6.4815085	6.884866	6.2255875	6.2633285	6.1016085	5.873121	6.3083265

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
ATP13A2	6.193839	6.493521	6.385738	6.176663	6.256237	7.152321	6.973221	6.131958	6.056861	6.836314	6.685095	6.716877
PPY	4.039196	4.269555	4.400088	4.02565	4.395056	4.83272	4.28879	4.277415	4.126748	4.237097	4.877852	4.021276
NUDT3	7.55963	7.466193	7.634852	7.606678	6.491789	7.075854	6.877774	6.320694	6.313871	7.688384	6.549599	8.23677
NUB1	5.262199	4.481663	4.921056	4.963414	5.08699	5.091146	4.720944	5.337365	5.767403	4.933136	4.878697	4.898909
AFG3L2	7.530445	7.145404	7.766105	8.01711	8.916191	9.479006	9.144395	8.761158	8.412325	8.63998	9.406736	9.0362
MCTS1	5.962292	5.617888	5.644516	4.817594	5.906448	5.734877	6.224451	5.818049	5.227638	6.190889	5.463455	6.505205
FBXO15	4.9962	5.480473	5.567771	5.445908	4.879964	6.702984	6.020068	5.011449	4.95857	4.764668	5.843396	5.239387
ANP32B	11.6482	11.64591	11.71447	11.767485	11.523935	11.186965	12.14518	11.234085	11.45019	12.141095	12.11154	12.120995
PELI2	4.380914	4.502406	4.6755325	4.669443	5.6484575	5.169145	5.9301425	5.5447715	5.366799	5.5733755	5.121297	5.5381405
LUC7L	7.620757	7.018766	7.373922	7.541892	8.369705	7.898152	8.657102	8.407729	7.487328	9.03458	8.432541	9.088677
ACBD4	5.797235	6.059338	6.009414	5.534707	6.013527	5.672924	6.048174	5.91328	5.970318	6.074605	5.898233	5.69342
FGD1	7.789235	8.239623	7.82096	7.686614	7.029746	6.828889	6.294617	6.762834	7.137602	7.412921	6.960099	7.257658
HUS1B	3.6191395	3.928594	3.4349065	3.628453	3.5095225	3.8105525	4.694307	3.5499445	3.979118	3.919227	3.9436205	5.047437
ATF7	6.702747	6.096272	6.03186	6.351536	5.988251	5.586417	5.73392	5.858312	5.77806	5.032651	4.87846	4.576167
NAB1	6.9139915	7.2029225	7.069475	6.1176995	6.343359	6.7879195	7.5804565	6.282431	6.894855	5.69028	5.6769915	5.545981
TRRAP	7.5256545	7.086181	7.77067	7.2777675	7.517502	7.037912	7.7158895	7.419324	6.7750095	8.0040515	7.1535935	7.522614
SPOCK2	5.8894695	5.7018085	5.7431905	5.6348825	6.033841	5.75	5.7633705	5.971723	5.6176995	5.859975	6.1124435	5.8152185
TFEB	5.733944	6.060057	6.2790795	6.0859075	6.1167685	6.484604	5.856965	6.1802965	6.596678	5.835491	6.34532	5.8236025
SLC16A5	6.422108	6.394969	6.870767	6.284949	6.602684	6.626963	6.066856	6.331268	5.838978	5.747377	5.845781	5.594425
NNAT	4.151293	4.438385	4.211244	4.35994	3.991271	3.257413	4.208399	3.634321	3.509685	3.768152	3.967242	3.444661
IDI1	8.920877	9.0465	9.352684	9.351315	10.48649	10.33364	10.90681	10.32587	10.28861	9.334356	9.06673	9.041213
MAGEH1	8.85872	8.680748	8.41461	8.375211	6.294733	4.533283	5.418097	6.77917	7.892156	7.721795	5.000705	7.631407
ACIN1	7.361587	7.628886	7.070567	6.955911	7.838573	7.249194	7.618291	7.79874	6.443815	7.250297	6.889743	7.477566
CHRAC1	7.894847	7.599627	7.45334	8.19705	6.798618	7.125255	7.373714	6.456867	8.609644	7.105568	7.128828	6.999684
CIB2	4.566455	5.046773	5.080722	5.120712	5.154808	4.995698	4.95926	5.241028	5.026971	4.762323	5.028414	4.733331
SACS	9.980658	9.438385	10.00266	9.727755	9.682384	9.847941	10.23978	9.7106	7.704157	9.823315	8.442894	9.590579
MC4R	4.068471	4.091586	4.290815	4.195078	4.867164	4.461363	4.63719	4.464679	4.220554	3.857398	4.388135	4.323268
CCDC24	6.112454	6.203498	6.288891	6.231311	6.31947	5.731143	6.307231	6.279173	6.146353	6.145256	5.87583	6.065689
ZWILCH	9.365536	8.884399	8.3020815	8.732751	9.2370685	8.3451175	9.6443945	8.9753325	8.4689265	8.2118275	7.6035475	8.066151
OSMR	9.056863	9.384857	9.138026	7.723819	6.509811	7.831415	7.479149	6.410805	6.721088	7.434093	6.893207	6.528298

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
SDCBP	11.33235	11.22913	11.42539	11.43802	11.82156	12.07043	11.58469	11.80598	12.30516	11.37851	11.41913	11.08135
LDB2	7.129396	6.9042625	6.8414965	7.107298	5.9935265	6.052038	6.3895165	5.9526325	5.3433105	6.207454	7.0154985	6.491304
ZNF709	3.031944	3.555846	3.203362	3.081222	3.083154	2.836272	3.038026	2.924241	3.512327	3.280286	3.086459	3.137481
PEX12	7.706227	7.050294	7.183425	7.943003	7.593124	8.295178	7.674124	7.755443	7.885439	7.501063	8.157346	7.232215
PARP16	6.59352	6.708659	7.004981	6.746906	5.659221	5.533301	6.065915	5.445908	6.35982	6.182643	5.80772	5.592187
PON1	3.203095	3.1046005	3.096311	3.1762005	3.014441	2.984364	3.022181	2.929159	3.015216	2.897353	3.0595405	2.6565605
SCN1B	5.923026	6.70822	6.00022	6.404323	5.477521	5.622819	5.577484	5.809896	6.701798	6.141967	5.638444	5.661294
CEP290	5.495499	5.795914	5.77113	4.724341	5.26108	5.442955	5.00808	5.236372	5.445908	6.091713	4.219142	6.356622
SLC13A5	4.0388	4.120341	4.254616	3.965011	4.159791	3.706552	4.023539	4.251411	4.575713	3.845424	4.333858	3.782699
ADAMDEC1	2.424083	2.279143	2.786615	2.689324	2.970189	2.910716	2.844046	3.221773	2.728718	3.481488	2.925789	2.959797
RBM15	7.117814	6.937497	7.3648245	7.1639085	7.468734	7.5369055	7.6762005	7.443664	7.209677	7.2000675	7.4517715	7.1317585
PTBP1	5.5344115	5.90606	5.338234	5.2235825	4.994707	5.0723915	4.890201	5.0126025	5.0395175	5.1067885	5.0496015	5.160676
TDO2	2.754097	3.095922	2.95118	2.831229	3.6056195	3.0535485	2.977498	3.3659485	3.0710835	3.547765	4.066338	4.7627885
NGB	5.091837	5.5346575	5.403039	5.432354	5.382988	5.5489165	5.414598	5.4311245	5.1216485	4.842293	5.209094	5.0632805
ZFYVE1	7.984543	7.515802	7.658978	7.728743	7.4761925	7.4728185	7.1055245	7.530191	7.7627655	7.096633	7.759571	7.0342915
KLHL25	6.499069	6.332894	7.055171	6.908436	6.719058	6.339847	6.734114	6.551612	6.45701	6.932705	6.669667	6.748191
CPNE7	5.910474	6.457747	5.706879	5.955989	5.505473	5.199377	5.360462	5.431284	6.587228	4.884556	5.360806	5.030145
IL18BP	4.896983	4.681911	4.834784	4.838816	4.708702	4.318475	4.754472	4.777237	5.460254	5.165178	4.769741	5.094675
POLR2H	9.826885	9.556959	9.904366	9.701202	10.15281	10.47445	10.5464	10.10418	9.03236	9.941046	10.27394	9.97513
JAKMIP2	3.8355575	3.930641	3.652032	3.6728675	4.632379	3.350881	6.053535	4.47983	4.1900975	7.220067	3.663118	7.3525195
PDE6G	6.787271	6.660734	6.486174	6.557009	6.162893	5.977382	5.923117	6.383923	6.062645	6.203096	6.322573	6.094632
EBP	7.3114275	6.8709745	6.8713465	7.744198	7.1544255	6.422515	7.927691	7.0935085	6.873193	6.820166	6.518362	6.72876
CAPG	9.849233	10.2312	9.361281	9.710143	7.935715	8.86084	6.671803	8.008064	9.719813	6.22425	7.565789	5.990473
IL18	4.460545	4.389602	5.062262	5.016046	3.115302	7.123073	3.611027	3.124124	4.044049	3.255633	3.585346	3.44893
CTSG	4.985187	4.966619	4.834489	5.639982	5.199279	4.953547	5.338244	5.380821	4.95039	4.990081	5.330654	5.105003
NOL9	7.559424	7.120656	7.240465	7.620055	7.108775	7.52973	7.527253	7.210389	6.867059	7.033231	7.415676	7.643237
KRTAP4-2	3.26404	3.43782	3.586077	3.410817	3.465319	3.297551	3.478879	3.509905	3.254812	3.297551	3.353254	3.133275
ZNF141	3.8864715	4.0282435	4.492688	3.768054	4.066035	2.9076715	4.871345	4.0800075	3.9016305	4.6031895	3.2036855	5.1867195
JTB	11.18828	11.11015	11.23518	11.22984	11.74833	11.89568	12.00135	11.71279	11.23644	11.27724	11.52331	11.07128
SRPRB	8.076635	8.302773	8.280218	8.805003	10.12737	10.73999	10.21243	10.16213	9.605973	8.571449	10.55472	8.387508

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
OR2H2	3.953399	4.1650475	3.8555195	3.9308705	3.764144	3.915908	3.7335255	3.776013	3.7917265	3.4750185	3.735677	3.624238
SOX12	5.524375	5.734967	5.7754185	5.647967	6.0173335	5.656326	5.907545	5.848046	5.820279	6.155599	5.822603	6.2393035
CHST6	4.140169	4.197468	4.689867	4.546737	3.79424	4.019752	3.747361	3.831401	5.12201	4.072843	3.946701	3.902479
ZNF606	5.7210375	5.680498	6.02541	6.126759	6.2601705	5.4557475	6.0156105	6.1596435	5.959685	6.4582295	5.9474195	6.0834585
CASP12	3.31408	3.368736	3.7223	3.507675	3.384096	3.206472	3.130247	3.240018	3.448222	2.934662	3.411515	2.996366
PRPSAP1	7.857971	7.5250345	7.9933975	7.516891	7.9865745	8.145359	7.9916745	8.0810875	7.373404	7.887948	8.5195755	8.128781
ARHGEF19	6.180189	5.600856	6.208508	5.63265	5.507965	6.149073	5.343779	5.499898	5.251707	5.130057	6.368606	5.504882
ARSK	5.609344	5.82121	5.962305	6.569468	5.946415	5.725658	6.233082	6.148327	5.798282	5.82861	5.845189	5.837101
KRTAP1-3	5.0662995	4.873276	5.794915	5.553799	4.552412	4.390266	4.508123	4.8359605	4.3420125	4.333242	4.5880865	4.2001445
ZCCHC14	6.061514	6.010092	6.277766	5.705187	5.936558	5.665713	5.489023	6.077003	5.232575	4.815119	5.823063	4.870284
RALA	10.5892095	10.77785	10.0950885	10.441606	9.5198015	9.7290215	9.690438	9.470543	11.68523	9.2459185	9.6709665	9.4086345
ESCO1	5.674064	5.802734	5.627145	4.801983	6.148825	7.205577	6.983942	6.401443	6.212853	6.667461	4.835598	7.132707
SLC22A16	3.4070095	3.4685925	3.196108	3.4922515	3.5760755	3.3948285	3.960457	3.7162985	3.4690855	3.333431	3.641771	4.0212675
WDR66	4.49093	4.838997	4.047217	3.633638	3.577299	3.486069	3.596413	3.531141	4.795707	3.979905	3.838694	3.625298
SYNGR3	4.094625	4.616484	4.320457	4.114353	4.47547	4.22768	5.096779	4.416835	7.737893	5.225619	5.225864	4.67808
FAM120A	4.492629	4.595957	5.005342	5.10017	5.214913	5.753183	5.680203	4.973669	4.590261	4.868107	4.68729	5.054781
SLC6A8	7.6964455	8.48362	8.2763795	7.7086555	7.8730635	7.773636	7.741867	7.672646	7.0523425	8.5306445	7.8055215	8.02792
TEX101	4.81107	5.017745	4.51851	4.602129	4.589341	4.578779	4.611619	4.576077	4.417195	4.284406	4.487807	4.536559
ZNF570	4.899467	4.750503	5.028405	4.775457	4.925305	4.234173	4.822885	5.037738	5.39684	4.8752	4.787606	5.534076
SERINC2	4.895811	4.88882	4.8615155	4.648381	4.6938085	4.629709	4.595099	4.6526995	4.656226	4.5841485	4.810965	4.4176845
SUZ12	2.952399	3.069386	3.022418	2.862773	3.155019	2.840023	3.071001	2.952487	2.84378	3.804191	3.157735	5.15207
CHST13	4.5064855	4.574494	4.694005	4.5781855	4.4709675	6.034625	4.674764	4.5464795	4.4639535	4.414451	4.647653	5.1074635
BLOC1S3	5.8609245	5.8693875	5.765743	5.7107415	5.9339935	5.787602	5.8720235	5.8797005	5.7492825	5.7195495	5.8368935	5.7324685
TRIM13	6.2539195	7.1496955	7.032885	7.2418225	7.1427045	7.5351495	7.003535	7.021776	5.939585	7.674034	6.4101115	7.281895
TMEM30A	10.43979	10.60138	10.11617	10.40638	10.5153	11.1481	10.49544	10.52066	10.23256	9.581439	9.88058	9.469
EXTL1	4.305337	4.816964	4.862911	5.18218	4.976596	4.645016	5.05532	4.523248	4.475653	4.588687	4.450089	4.260496
COL8A2	6.4990905	7.72361	9.0254675	6.7256025	5.9013225	4.802575	4.760965	5.1839765	7.828063	5.127085	4.655186	5.116802
TOP1	8.2933395	8.645643	8.1719075	8.136527	9.847245	10.5453	10.68603	9.8147545	9.206703	10.35676	9.9735405	10.316415
RNASET2	4.28557	4.4687815	4.3027245	4.518159	4.652903	4.571731	4.6540915	4.5490625	4.6297985	4.6428605	4.5376345	4.805795
CTSZ	5.5692855	5.5196075	5.054616	5.51555	5.8902615	7.018166	5.7569885	5.697605	7.318211	5.7680535	6.117857	5.2995995

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
GMDS	5.8895	6.3439715	6.3506505	6.5927065	7.038098	6.9362195	6.3037005	7.156769	6.761798	6.53119	6.58315	6.4059735
WDR25	6.139225	6.179959	6.100039	6.244603	6.200444	6.421254	6.18994	6.012251	6.65754	6.275286	7.055576	6.038961
UHRF2	10.11978	9.414738	9.480052	9.638787	9.129428	8.966551	9.538928	9.058718	10.09317	8.998601	10.27442	8.851637
CLCF1	7.853994	7.877357	7.896575	7.663575	6.547479	6.442962	6.402613	6.666907	7.268149	6.101406	6.598727	5.647901
NUPR1	8.99398	9.207824	9.734592	9.663751	10.01568	9.434015	7.337465	10.07023	11.35998	10.31222	11.28804	10.40755
DAPK3	2.883987	3.052097	2.900093	2.834957	2.68536	3.155116	2.713275	2.922272	2.648599	2.548709	2.925789	2.9006
DGAT1	6.436379	6.734822	6.972329	6.551215	6.696414	7.118032	7.049914	6.48247	6.390776	6.662158	6.159661	6.630794
FBXL16	5.009381	5.0357015	4.784917	5.1356985	4.950239	5.017659	5.0472065	4.955623	5.56242	5.2361385	4.9882455	4.9437995
B4GALT4	8.5616695	8.6889495	8.663188	8.812618	7.5586765	8.8536605	8.222097	7.605927	8.626577	7.735249	8.4585935	7.7968795
GRSF1	8.645865	8.2950985	8.3883955	8.712881	8.528242	9.2279825	9.0028095	8.419664	8.218489	8.2108265	8.416655	8.513988
TMED5	6.2982875	6.1103065	6.258033	6.039337	5.7018815	6.35844	5.8935565	5.750476	5.370589	5.254938	4.8582515	4.974119
CTCF	8.365265	7.746952	8.195974	8.289986	8.446816	8.430274	8.7782	8.414158	8.763181	8.438206	8.555313	8.386874
UGT1A1	3.038498	3.950037	3.718444	3.629881	3.809078	3.883099	3.716297	3.631857	3.781823	3.50951	3.720485	3.46994
SCARF2	4.431599	5.136298	4.161203	4.651517	4.627674	4.494661	3.849427	3.90339	4.364134	3.609775	4.161704	3.415705
FAM81B	2.907322	2.787357	2.870934	2.760429	2.915318	6.297263	6.426301	3.232296	3.044065	4.505524	6.047091	6.458727
CYP4F8	3.364548	4.094553	3.32713	3.414133	3.161328	3.328062	3.265178	2.831627	3.113431	3.220254	3.271808	3.018726
TMEM106B	8.567311	8.1889955	8.1819055	8.228201	7.741743	8.737823	7.716147	7.692303	8.171044	8.265543	6.647041	8.6164215
TBC1D14	7.776237	7.895888	8.018824	7.831456	8.148579	8.409841	8.641312	8.091963	7.886013	8.519621	8.513493	8.498691
G6PC3	9.1519355	9.071636	8.6534285	9.1147775	8.558473	9.438048	8.849895	8.4366855	7.9274695	8.3383425	8.651621	8.2253065
ZNF101	5.063716	5.117047	5.355093	5.361683	5.575905	5.761659	5.871196	5.525829	5.61817	5.512228	5.914521	5.922222
SLC27A1	8.068616	8.429811	8.662772	7.777963	7.268319	6.498803	7.020635	7.1919	7.149094	7.493409	6.87865	7.287864
TAF15	6.126883	5.306942	5.578259	4.796534	6.101394	5.152648	6.326049	5.666111	5.849503	7.198585	6.188207	7.873631
ABCG2	2.948491	3.105904	3.247009	3.728679	4.022082	5.747263	3.647715	4.050183	4.933228	3.449122	4.70347	4.018609
SHD	4.33044	4.586415	4.173506	4.226052	4.05144	4.267843	4.137908	4.242614	4.244733	3.994249	4.389467	4.16023
CPSF2	7.939165	7.489754	7.550819	7.949438	9.136136	8.86768	9.170193	9.019802	8.563909	7.831833	8.161393	8.120964
SLC6A7	5.323864	5.673226	5.244637	5.322911	5.521595	5.388145	5.329724	5.278214	5.174839	5.128325	5.354948	5.214405
DUSP26	4.344981	4.244224	4.161407	3.957181	4.14818	4.140039	3.8278	4.000599	3.97852	4.105452	4.051261	4.275561
PTGER2	6.829689	6.07532	6.833581	7.08019	3.266186	3.408852	3.447014	3.249491	3.635351	2.933585	3.23641	3.31355
TSNAXIP1	5.309416	5.77133	5.42203	5.704961	6.054293	5.420633	5.6456	6.057052	5.784206	5.664156	5.810983	5.309707
SIX2	4.200616	4.286517	4.282767	4.167464	4.3218135	6.2143685	6.0633765	4.1253725	4.7540965	3.982719	4.532737	4.989759

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
ARL4D	5.601467	5.1715285	5.7331755	5.502282	5.137385	5.777524	5.871632	5.279727	5.88106	5.6192405	6.0150275	5.7176835
MOSPD3	7.283858	7.429753	7.124856	6.887726	6.555324	6.080369	6.376534	6.317257	6.221598	6.562918	6.520232	5.90889
SMPD2	6.4374	6.419327	6.385448	6.592573	7.18146	7.248775	7.513614	7.423966	6.749917	7.14003	7.130861	6.955103
OAZ3	5.1939895	5.103152	5.324397	5.31461	5.491541	5.9656625	5.214718	5.471895	5.479845	4.723517	6.079968	5.193498
RUSC1	8.435592	8.10102	8.378523	8.393496	7.968971	6.405745	8.367824	7.773306	8.21351	8.208467	7.674208	7.941387
HMX1	5.557206	5.788741	5.787069	5.57469	6.021147	5.856586	5.978292	6.093842	5.773916	5.715743	5.706172	6.043721
JAK1	8.657002	9.011823	8.365873	7.178096	8.320625	8.876339	8.594013	8.085889	8.08702	7.387808	7.699086	6.960999
MTA2	4.651091	4.924119	4.926378	4.929107	6.573709	6.852271	6.868259	6.137842	5.62203	5.423709	5.770731	4.705777
EFNA3	6.164903	6.925799	6.927775	6.209657	5.820321	6.094921	6.024531	6.191787	6.265168	6.728747	5.90889	6.476072
CTDSP2	8.97423	8.930659	8.395623	8.807652	8.075456	6.8511	7.739063	7.841211	7.808375	7.154768	7.769717	7.082979
TMEM185A	6.8481455	6.818627	6.969551	6.8580275	6.8230845	7.340721	6.673292	6.8207425	6.949925	6.7308165	7.438934	6.517543
VAMP3	11.34376	11.48686	11.45524	11.0088	11.00912	11.04649	10.69635	11.13342	10.45554	8.814753	11.05627	8.182192
SHC3	4.596866	4.633324	5.725658	4.428736	5.204488	6.437346	8.455141	4.988185	5.611885	7.773516	5.534236	9.623753
USP49	4.501529	4.841853	4.12603	4.08555	4.313615	4.118805	4.321014	4.312502	4.206082	4.455623	4.314696	4.232862
COLEC10	3.319935	3.55569	3.157408	3.502928	3.382035	3.293044	3.447014	3.502928	3.40277	3.31151	3.54087	3.108746
ZNF530	4.6890255	4.6000695	4.64987	4.571459	4.7040615	4.5176365	4.9788635	4.592532	4.9370885	4.7639175	4.7201345	4.888614
CHAC2	6.483813	4.846629	5.690266	7.157194	8.997437	9.429571	9.7232	8.743992	7.642544	7.524865	8.084826	7.293724
CCR10	5.011747	4.973176	4.81668	5.796572	3.912934	3.944157	3.75996	3.664741	8.52022	3.828377	4.131047	3.137481
ASB15	4.635283	4.663739	4.790688	4.701427	4.832511	4.844448	4.786013	4.726784	4.610527	4.899136	4.909461	4.91326
PLCH1	2.764413	3.072109	2.874589	2.897787	3.432728	3.778023	3.565093	3.14757	3.047156	3.697921	2.951645	3.679227
DEF6	5.0644985	5.100218	5.193623	5.3001295	5.277174	5.1237895	5.3874205	5.215754	5.1034785	5.639671	5.1994275	4.4522785
SLC39A5	5.684188	6.0685145	5.8658595	5.905335	5.83434	5.6067295	5.633307	5.8560675	5.6844185	5.355023	5.6711805	5.509563
KLHL20	7.401154	7.143711	7.1598875	7.4968165	7.259096	7.725468	6.9885265	7.3666245	7.594487	6.446767	7.4104035	6.2631385
RAB21	6.238193	6.0492185	6.4558605	6.71339	6.7913075	7.4195835	7.014778	6.6658255	7.809534	6.7013155	6.4730895	6.3665235
BMP10	4.012665	4.093296	3.937179	4.31119	4.062012	3.759482	3.744368	4.329563	4.003456	3.432964	4.181116	3.873288
SSTR4	4.871522	4.484906	4.718177	4.489154	4.841545	4.428408	4.750349	4.646564	4.543868	4.474169	4.395318	4.253455
MRPL1	8.840998	8.800721	8.9712	9.303017	9.730601	9.066368	10.557	9.754955	9.122124	9.666488	9.066773	9.681643
TMEM98	9.628757	9.713858	9.939103	10.04543	5.15495	7.216922	8.330222	5.087177	9.530502	9.731012	7.272189	8.954454
CAMTA2	6.441178	6.657018	6.861865	6.993179	5.983344	6.058357	5.85494	5.987045	7.592446	6.570391	6.344112	6.522184
POP7	8.743855	8.605003	8.647665	8.758669	8.608242	9.599464	9.344882	8.5571	8.482743	8.512612	9.29615	8.746178

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
GNG8	4.075353	5.240138	4.349069	4.398403	4.469055	4.241405	3.886918	4.463911	4.16846	4.026357	3.864194	3.697952
MCTP2	3.920208	3.643464	3.949231	3.741364	4.33813	3.807855	4.119915	4.424879	4.781916	6.01277	4.904742	7.263659
PCM1	7.1096115	7.16799	7.208504	6.828588	7.1159315	6.987517	7.1714755	7.278764	7.5822145	7.1097655	6.6845345	7.182676
STARD10	5.645042	6.519552	6.725165	6.78063	5.858041	6.281208	6.029008	5.930202	6.613434	6.036489	6.712576	5.275247
CILP	5.164865	5.42404	5.028073	5.332438	7.761888	5.47193	5.400158	7.530035	5.796769	5.6264	5.649143	6.095857
ADIPOQ	2.763992	2.986278	3.120357	2.801936	2.812793	2.853175	2.737752	2.671834	2.563769	2.812793	2.646594	2.80244
NEDD9	4.93889	5.069105	5.379111	5.388486	5.666445	5.497066	5.444475	5.779367	6.137602	5.475913	5.616692	5.428503
PTGS2	11.5147	11.108535	10.910625	10.196616	2.646431	2.552889	3.0421105	2.652648	6.4106885	5.2930465	3.002661	3.7112965
FLJ40288	5.6869265	5.75475	5.744612	5.968247	5.839389	5.6102195	5.7787825	5.876157	5.5622945	5.4980575	5.71342	5.4330195
ZZZ3	7.8725005	7.7921805	7.9214145	8.1341395	8.0582875	8.34338	8.102537	8.065968	8.463707	7.8749665	7.6625615	7.8943835
SCEL	2.4539705	2.596582	2.5300885	2.3581035	2.281589	2.945985	2.2390385	2.307334	2.4321185	2.178098	2.436176	2.438087
PPP1R15A	8.62429	8.704508	7.6215725	8.107285	6.9300175	6.5686215	6.205744	6.931632	8.670349	7.0027575	7.83991	6.5126045
MMP14	9.2877125	9.5273385	7.865681	8.7023235	9.169842	8.8839625	6.6524905	8.931493	10.4968	7.4575535	8.591673	8.0311775
MADCAM1	5.210745	5.183573	5.015146	5.118941	5.247708	5.244589	5.331406	5.106944	5.301037	5.115822	5.086727	5.041142
KCNJ9	5.0422985	5.104168	4.8595355	5.016464	4.7456045	4.761075	4.6407785	5.0145445	4.7101865	4.509607	4.8924835	4.5714635
PRG3	5.28128	5.759498	5.35532	5.549854	5.56415	5.470512	5.510056	5.530285	5.445908	5.176967	5.469358	5.228958
ZNF219	5.197147	4.924573	4.969499	5.346405	5.580368	5.420089	5.610658	5.6572	5.526094	4.907355	5.139446	4.9195
HCN3	5.695826	5.835917	5.696347	5.605947	5.451412	5.400258	5.26026	5.418097	5.894673	5.393277	5.577783	5.445908
TIMM22	7.200216	7.07677	7.139669	7.68576	7.658195	8.234947	8.072056	7.592216	7.346329	7.818831	8.142008	7.644599
SPERT	4.470351	4.780796	4.3505845	4.682137	4.7141835	4.668768	4.388175	4.589418	4.4265635	4.146332	4.48729	4.0188575
MRPL18	10.6151	10.34978	10.20593	10.33402	10.65594	10.77144	10.75175	10.62412	10.46804	10.46168	11.24324	10.54985
CNNM1	4.338518	4.599082	4.466994	4.367266	4.749686	6.156851	4.626232	4.81393	4.685243	5.33642	5.288626	4.87506
CAT	9.127978	8.879883	9.387896	9.157236	10.10767	7.744975	8.864991	9.984879	7.396302	7.619124	7.52252	7.590337
USP51	4.6458845	4.615772	4.3886275	4.6248615	4.028912	3.8047325	4.022628	3.993612	5.0052985	4.12254	3.805269	4.147921
GYPA	3.175565	3.557047	3.028117	2.727145	2.806612	2.89845	2.95278	3.117435	2.883912	2.741464	2.793434	2.836596
INS	4.126856	3.863083	3.468954	3.44569	3.518179	3.397429	3.646656	3.761554	3.491121	3.262382	3.521648	3.411114
CHPT1	5.671725	5.545156	6.559693	6.228409	7.944937	7.819221	7.969911	8.076022	6.627666	7.976324	6.965972	8.605232
SLC25A5	11.58942	11.24108	11.43679	11.59756	12.40036	12.03285	12.69587	12.39779	11.90805	11.88893	11.75482	11.98246
SLC27A3	6.471044	6.862566	7.096323	6.727118	6.192657	6.18523	5.75193	6.177497	5.239202	6.297603	6.353121	6.311925
SNAPC5	7.060012	7.146399	7.333935	7.4446	8.573112	8.116117	7.913185	8.560014	8.213509	7.063465	8.384758	7.418316

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
APC	6.345119	5.562341	5.789577	6.583084	5.185675	5.98489	5.497838	5.110913	5.313362	5.201079	3.891202	5.444356
LIN7B	6.0243585	5.6468155	5.6050105	5.7666835	6.728739	4.644024	5.192829	6.8806315	6.2951375	6.018558	5.725846	5.782241
ASB8	7.2881305	6.9144625	6.9042005	7.2774575	7.2672575	7.5189645	7.3034925	7.3112615	7.2531565	7.054582	7.184885	6.8880845
ZNF438	6.239603	6.2369325	5.9951055	5.957739	5.747559	6.3725485	5.6937615	5.582001	6.3651565	5.4454345	5.543631	5.3454935
SPINK1	3.910085	4.226307	3.911312	3.882216	6.410036	7.49408	7.128324	6.335388	4.050715	4.622254	9.653542	8.531562
AASS	4.9915735	5.14885	5.2067435	4.9657845	5.8487375	5.1583595	6.8565895	5.8749985	5.4166665	6.880538	5.0394495	7.8316715
KLHL1	3.824779	4.089951	3.825997	3.805659	3.9371875	3.994489	3.919778	3.9417445	4.1425915	4.246065	4.293367	3.838869
INHBC	6.215693	5.8187285	5.7974735	6.088335	5.7821665	6.025531	6.1595905	6.1231405	5.6013985	6.1649825	5.975436	6.6015245
RRH	4.126463	3.951632	4.055914	4.110131	4.066813	4.180249	3.794941	4.21065	4.03005	3.99062	4.149894	4.299382
CRELD2	10.12369	9.698195	9.60729	10.1116	10.39295	9.712378	10.64673	10.37491	8.96016	10.42565	9.755697	10.37292
PLEKHA5	4.751664	4.503663	4.762662	5.274364	6.4232	5.287836	6.042478	6.401308	5.386365	7.720893	5.171548	7.543097
EMILIN1	8.533198	9.290991	7.987263	8.891985	8.587112	6.103208	6.800897	8.422662	7.513067	7.176589	6.405668	6.129359
HHIP	3.388245	3.396778	3.456741	4.629971	3.9732425	3.2081855	6.0024575	4.0561055	6.138043	6.8846225	3.5899385	6.5704025
GML	4.260815	4.425181	4.417397	4.754554	4.23272	4.25198	3.976124	4.04811	4.055487	3.639169	4.070657	3.899102
CACYBP	9.9985965	9.8528205	9.5412135	10.35056	10.540785	9.809521	10.73983	10.36935	9.4629495	9.875444	10.01232	10.0361335
FTHL17	2.524987	2.975502	2.812057	2.73972	2.909438	2.817632	2.869382	2.762558	2.833923	2.95332	2.94433	3.03865
ST6GAL2	2.653327	2.718779	2.463314	2.7101945	3.915368	2.6706785	2.7632855	4.251309	4.0301925	2.707012	2.814688	2.5482205
LRPPRC	7.731474	7.2341995	7.6701975	7.821375	8.8759645	9.46978	9.022127	8.853358	9.0334495	8.958277	8.6231	9.384348
ACTL6B	4.089789	4.4580795	4.085752	4.404775	4.454721	4.1939105	4.185578	4.208611	3.87973	3.890363	4.3388205	3.80644
PNN	9.002542	8.695231	8.861758	8.353523	9.534627	9.392674	9.648312	9.30265	9.316624	9.616759	8.55637	9.528942
WASF3	9.415817	9.1731	9.098969	8.985687	7.361909	8.876493	6.780263	7.606928	7.647456	7.263596	8.784849	7.84932
TGFB3	4.853894	4.832856	4.8412435	5.1552645	5.451581	4.863822	4.5398055	5.285116	4.76017	4.572914	4.698722	4.520027
CD69	2.698744	2.608988	2.499251	2.430376	2.267013	2.415745	2.296709	2.35161	2.470457	2.386545	2.439992	2.386739
HIST3H2A	6.1995865	6.09162	6.127784	6.3167025	7.3890515	8.0964085	7.1429225	7.3623285	6.7468445	6.629988	8.2604415	6.7466015
MUC17	4.685669	4.387714	4.4550515	4.7692395	4.6071005	4.5947555	4.684356	4.577959	4.63273	4.514586	4.73024	4.617295
FBXO5	8.077002	7.893182	8.0282165	8.148809	7.825715	5.826457	8.9378875	7.3919725	6.8314785	7.6342545	6.819606	7.3477925
LRRC8B	3.433041	3.580108	3.714367	3.766619	4.920224	4.236661	6.632992	4.923019	3.567874	6.248001	4.164982	5.315249
XPNPEP3	5.442454	5.429502	5.1319145	5.1570325	5.84444	6.140475	5.756773	5.966249	5.2986315	5.389089	5.7501365	5.972412
HCRTR2	3.644221	3.83092	3.409047	3.689972	3.544666	3.36509	3.631324	3.549852	3.54645	3.116398	3.262576	3.598577
HMGB2	7.0668445	7.2717695	7.2548025	7.385513	7.3784615	5.7682075	7.8766825	7.3222	6.875526	7.6940945	7.189132	7.7900265

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
GTF2F1	7.619326	8.009471	7.746835	7.861219	8.322678	8.365314	8.16723	8.269608	8.457295	7.839316	8.713455	8.015991
TFAM	6.464705	6.487707	6.181605	6.267591	7.892754	8.267017	8.623724	7.793674	7.263987	7.464706	7.260911	7.94874
VCX2	5.6645195	6.060563	5.698994	5.24416	5.3919885	5.3050115	5.508295	5.507833	5.1860825	5.175712	5.2725005	4.930528
CENPH	8.062203	8.396569	7.070566	7.850212	8.076801	5.497243	8.138698	7.775856	7.308337	7.35805	7.068324	7.067448
RDH11	6.253272	6.0417145	6.001157	6.3260535	6.9967685	6.6360875	7.006557	6.8063325	6.7622855	6.8587575	6.9016515	6.8065365
NDOR1	6.131051	6.1870215	5.954766	6.2518475	5.869413	5.675537	5.879797	5.8243885	5.7750925	5.4431025	5.6697195	5.630139
BSN	3.509049	3.646613	4.04802	3.726919	3.571022	3.171398	3.597695	3.636344	3.22843	3.776136	3.866056	3.874167
TAL2	4.7985905	4.9356025	4.7924105	4.8609035	4.80305	4.686892	4.833882	4.891373	4.543393	4.713073	4.950873	4.6798645
PNRC2	9.300934	9.197094	9.5748665	9.2771505	9.8775205	9.0593815	10.054731	9.7852945	8.474621	9.304529	8.9816375	9.162994
YAP1	10.687	10.94747	10.80932	10.34617	9.990294	9.677495	9.364885	9.935726	10.26454	8.770139	8.473471	8.543344
RSPO2	2.563172	2.219394	2.586305	2.610444	2.581242	3.130639	2.445448	2.627314	2.508726	2.726882	2.423966	2.553658
ENTPD3	3.6815275	3.541848	3.7019955	3.500352	3.559523	3.413345	3.40989	3.426115	3.647712	3.2140875	3.424813	3.565215
STK3	6.362226	6.325661	6.5099225	6.4272985	6.4827215	6.7469725	6.447798	6.421657	6.07311	6.0937145	5.8853085	5.912131
ETHE1	9.228135	8.952744	9.281208	9.220178	8.586535	8.577087	8.30829	8.645499	8.389558	8.946753	9.25028	8.840954
PLEKHA4	6.812736	7.674824	7.19245	6.975842	5.678633	5.010466	5.460796	5.621284	5.453029	5.976125	5.445824	5.587532
DEFB123	4.337432	4.362395	4.52415	4.566261	4.632403	4.339301	4.534745	4.604889	4.299092	4.135247	4.751093	4.143484
MAPKBP1	5.946356	5.898147	6.1577085	6.0414205	6.104366	6.1330475	6.089011	6.0332165	5.7465135	5.7951345	5.7327345	5.8197705
IRGQ	5.8813085	5.761882	6.242029	6.0316715	6.8027775	7.57008	6.59649	6.747114	6.3663835	6.57683	6.761152	6.5942785
RPA2	8.313819	8.228113	8.465349	8.654838	8.752174	8.303019	8.802557	8.62966	9.269733	8.133265	8.978141	8.021379
RNF26	7.280818	7.646904	7.196663	7.3690075	7.1318655	7.4566855	7.5439995	6.9840965	6.7969195	6.8203015	6.864977	6.78078
MMACHC	6.3165915	6.1901435	6.1911445	6.3661125	6.4595975	5.9116335	6.9495705	6.462587	6.3347745	6.2704645	6.295677	6.454766
FAM122B	8.331326	7.946419	8.022797	8.374063	8.439941	8.251597	9.074203	8.468355	8.284854	9.148759	8.266006	9.23564
KLHDC8B	8.139447	8.527436	8.215931	8.230029	8.467413	7.890062	8.191087	8.33479	7.762774	7.941061	7.639101	7.830097
DEAF1	5.330137	5.522657	5.623504	5.3736575	6.349102	6.28775	6.4775565	6.342342	6.6391705	6.205638	6.6507405	6.1562805
NDUFV2	9.877449	9.820843	9.900438	10.26005	10.96338	10.91148	11.19382	10.98317	10.1124	10.33484	10.65891	10.20782
BEX2	4.426096	4.275344	4.598103	4.563201	5.486975	4.014158	8.364449	5.231758	10.97471	9.273163	8.674149	8.015989
MRPL50	7.979243	8.133401	7.456649	8.032799	9.560173	10.37459	9.996944	9.574374	8.403645	7.950514	9.711445	7.845488
TFCP2	7.371547	7.143898	7.639077	7.502747	8.120237	7.866751	8.169472	8.000329	7.328907	8.409744	8.024583	8.61515
SCPEP1	5.272488	5.2793435	5.5712215	5.7696755	6.5593845	5.6963655	5.8019365	6.4272755	6.337748	6.092549	6.0547425	5.842411
TAF1L	4.418193	4.588793	4.529271	4.279771	4.122231	3.857999	4.316054	3.837762	3.945198	4.088484	4.296572	3.724636

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
IFNA16	3.123892	3.282356	3.627722	3.285585	3.202196	3.170889	2.938751	3.239164	3.016237	2.898619	3.089708	3.137481
TST	7.696182	7.350834	8.227739	8.034727	8.303553	9.8606	8.400303	8.263809	8.139577	7.755922	8.81234	8.344831
GPBP1	8.513026	8.259261	8.4733935	8.8867635	8.8014865	8.7567685	9.0938255	8.6318145	9.3456055	8.9801655	8.1788915	9.029077
RMI1	8.641732	8.301096	8.491437	9.064451	8.107799	7.364354	8.960528	7.984892	8.616451	8.469642	7.243173	8.330919
KLK9	5.123588	5.40564	5.084391	4.84326	4.971867	4.944352	5.077509	4.961258	4.728714	4.965207	5.243206	4.645068
DAZAP2	9.918669	10.15924	10.0208	9.526123	9.848113	9.013287	9.478354	9.691493	9.295198	7.749273	8.724455	7.125563
ACE	4.380994	4.841943	4.723547	4.6048295	4.172157	3.9489595	4.071096	3.963647	4.10594	3.730684	4.016623	3.6750145
RAB31	9.805088	9.652889	9.286098	9.630694	11.49054	9.18231	10.72021	11.38395	9.661631	10.78895	9.940298	10.48107
ZCCHC9	9.381543	9.121609	9.327527	9.076147	8.651073	8.404622	9.063169	8.455685	8.802543	8.039439	8.076152	8.055734
UTP20	7.467255	7.402714	6.950744	7.460227	8.653069	9.277626	9.34421	8.491597	8.449029	8.661697	8.384935	8.456707
KLHL13	2.806632	2.53683	2.844325	3.370113	2.721018	2.847364	2.750032	2.894469	2.631391	2.904754	2.715113	2.596856
NUP54	2.776316	2.507467	2.510505	2.392122	2.485889	2.57679	2.649439	2.603543	2.681118	2.903227	2.477164	3.428487
CTAG2	4.194459	4.680369	4.2165585	4.143765	4.0241965	3.9471025	4.028175	3.906645	3.9943425	3.81465	4.2764415	3.653984
NXT1	8.808451	8.856731	8.983761	8.577428	8.370609	8.948591	8.809955	8.141967	8.950184	8.218045	9.141239	7.953937
MAGEA8	2.797491	3.126756	3.504336	3.251389	3.081167	3.079682	2.938419	3.488395	3.126117	2.984494	3.393609	3.217266
ZNF692	7.701185	7.541096	6.929713	6.742799	7.648407	7.872637	7.837892	7.566717	6.942122	7.663709	7.579054	8.042261
PDLIM3	4.466351	4.387492	4.347018	4.880567	4.668932	4.460531	4.498515	4.634065	4.779072	4.520382	4.463609	4.480562
SULT2A1	2.9538	2.941655	3.0391425	3.130684	3.1850255	3.0158545	2.974619	3.0431435	2.954657	3.0404715	3.0732365	2.735412
NSUN2	8.585161	8.165951	8.592028	8.905881	9.263731	9.976128	9.564289	9.233411	8.801874	8.791185	9.255738	9.077233
LRRC8A	9.224425	8.9595865	8.9612445	9.031579	8.8308295	9.4302015	8.8223175	8.8373935	8.285214	8.7320395	9.827455	8.748029
GRWD1	7.54202	7.387013	7.412137	7.750426	8.188118	8.619608	8.621886	8.021362	7.586839	7.434562	8.367268	7.565813
CHIC2	9.35417	9.596334	10.39648	9.830689	9.453997	10.13854	8.16921	9.578153	10.24229	7.881114	9.799305	7.070986
CNNM4	6.112021	6.035238	6.332632	5.765644	5.626006	6.412214	5.848083	5.486172	6.241582	6.378909	6.146735	6.412214
GLRB	5.553926	5.302543	6.428226	6.627045	3.822486	5.153236	2.593274	4.188707	7.58227	3.345066	3.954977	2.915584
ZNF688	4.179627	4.870794	3.900518	4.044353	3.71234	4.212311	3.827281	3.934701	4.21469	4.316011	4.592494	4.285377
FNDC8	4.105545	4.604589	4.566254	4.306859	4.40402	4.67586	4.291769	4.682882	4.465635	4.280685	4.458806	4.324353
CYP1B1	8.283176	6.093872	8.912977	6.782137	11.856495	10.669465	8.4241835	11.93073	11.158395	9.421489	10.20217	10.075535
GDF10	3.269119	3.522611	3.242081	3.281288	2.905283	2.858902	2.813359	2.885566	3.373734	3.333986	2.996871	3.013471
BCL9	6.882939	6.683039	6.90168	6.930811	7.153973	7.29257	7.423563	6.994107	7.193461	7.378118	7.074151	7.158052
DNAJC19	8.0603735	7.8567755	8.0221545	8.0488525	8.2351	8.4508205	8.5988115	8.1114695	8.5019245	8.105173	8.634849	8.186675

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
RNF146	8.4340825	7.6787965	8.3612075	8.151381	8.373152	8.176046	8.019942	8.4100565	8.93853	8.943928	8.5738525	8.099988
NEK1	4.924072	5.321573	5.642918	4.625094	5.049439	5.318984	5.493202	5.238543	5.299436	5.258432	4.802888	5.498187
ZNF234	5.532179	5.0168825	5.248344	5.482855	5.3976085	5.525931	5.3189825	5.2614415	5.482314	5.459834	5.421277	5.1746585
ACPP	5.949666	4.394774	5.174945	4.660933	3.231296	3.113839	3.174694	3.3253	3.185787	3.541067	3.315306	3.502456
ANKRD46	4.9188395	4.8605185	4.867064	5.518303	5.9313025	7.6447145	6.585607	5.99753	5.693356	6.437448	6.095219	6.580093
NKX2-2	3.174929	3.157931	2.929072	2.976123	3.233114	3.0719	3.038498	3.14757	3.10462	2.89289	3.175885	3.257856
RIC8A	10.27955	10.31505	10.26531	10.16353	9.474547	9.901345	9.299913	9.608116	9.431677	8.925637	9.881449	9.33124
IGF1R	8.245062	8.536244	7.532362	6.766542	5.140507	7.298606	4.505856	5.17866	5.843699	6.141393	7.023123	6.479555
HYOU1	9.199482	9.057768	9.184463	9.069824	10.16918	10.05235	10.4605	10.14753	9.877831	10.98865	9.947878	10.66464
ABRA	2.8220045	2.8249315	2.7298675	2.793351	2.6459	2.6066295	2.479514	2.6684745	2.529914	2.6600255	2.627365	2.513636
MRPS26	6.487033	6.7903725	6.6248055	6.7597595	7.2326345	6.8976935	7.5112325	7.2490595	6.792218	7.1935535	7.4203525	7.200537
TEF	3.696969	5.002104	3.269116	3.93629	3.774285	3.822261	3.534989	4.113391	3.733513	3.562823	3.728303	3.262876
BMP6	4.109637	4.592452	4.690498	4.62985	4.245732	4.148753	4.109637	4.106599	3.870248	3.93222	4.361685	4.030468
MRPL45	8.680185	8.288321	8.32413	8.450947	9.160934	9.068801	9.343751	9.194352	8.482044	8.527802	9.042688	8.595922
ST6GALNAC3	2.764503	2.9414905	3.0402845	3.1795585	2.740566	2.6996005	2.6596565	2.9233375	2.907863	2.92197	3.020592	2.8376105
GNL2	9.18615	9.006805	8.992361	9.319576	9.38143	9.302257	9.639562	9.379266	8.615072	9.188026	8.97226	9.472563
TF	3.9669425	4.135325	4.315318	3.979714	4.0691045	4.17541	4.027742	4.210558	4.0484315	3.9265195	3.964892	3.706151
PGLYRP3	3.68764	3.887472	3.720187	3.786838	3.374004	3.491043	3.514444	3.540798	3.521631	3.532383	3.478959	3.190009
APEH	6.3834015	6.549198	6.3943915	6.480415	6.7860605	6.5692485	7.0035835	6.7582915	6.585775	6.658455	6.2954155	6.466249
KIF5A	4.337877	4.378004	4.197363	3.959029	4.077726	4.021758	4.412109	4.216577	3.803951	3.919406	4.09008	4.467742
SLC4A1	4.846417	5.1044115	4.745995	4.8791425	4.6053385	4.4930715	4.6642385	4.8579565	4.64346	4.570345	4.7418835	4.3588145
AGBL4	3.6546625	3.9587785	3.7244485	3.4219405	3.699503	3.351641	3.407241	3.5671795	3.438867	3.2957845	3.489701	3.318614
RPA4	3.679602	3.618424	3.783681	3.975009	4.159199	3.278613	3.754286	4.082886	3.669004	5.020953	3.670683	4.509459
NARS	11.4853	10.97088	11.32203	11.49179	11.85141	12.13616	11.94786	11.92537	12.50218	12.03667	12.36556	12.17097
RP9	6.4026045	6.658356	6.2167385	6.18717	6.792823	6.6810495	7.0459695	6.9937505	7.177756	7.2778345	7.2913465	7.464813
SPATA4	5.522317	5.436269	5.660612	5.564342	5.74649	5.864064	5.42987	5.878865	5.834296	5.848786	5.961828	5.467582
HPN	4.407733	4.642832	4.906204	4.898245	5.128057	5.268056	5.076595	5.426191	5.033394	5.02069	5.019049	4.572186
EMP3	11.07638	11.37915	10.79086	11.41906	9.55533	10.65347	9.503658	9.067045	9.950796	9.139647	10.68881	8.725411
RCL1	6.681663	6.770051	6.569826	6.7882845	7.930069	8.64339	8.167091	7.939875	7.483114	7.4010455	8.4222535	7.3827545
NGEF	3.6621765	4.547868	3.660994	4.716562	7.997219	7.983172	8.4373205	7.9450885	3.196595	6.904618	8.46627	6.443179

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
RGS2	6.576998	6.574191	6.955772	6.887726	9.554327	6.889755	8.690002	9.434655	8.012394	9.892769	7.448401	9.064232
HOXC8	5.880466	6.452495	5.430379	5.924973	6.492713	6.957922	6.465201	6.708864	4.32479	5.949595	6.301459	6.286784
KLHL21	7.377874	7.304448	7.283876	7.512689	7.525609	7.695138	6.885694	7.454093	6.986788	6.730168	8.643716	7.06267
COPA	6.4413195	6.665287	6.4295235	5.6712105	5.7230745	6.532646	5.721929	6.048918	4.876984	4.8145925	5.648882	5.105136
HSD3B1	3.2063955	3.3612005	3.205569	3.5093515	3.131931	3.2973895	3.077818	3.3597945	3.329048	3.205054	3.2804835	3.0996085
TTTY13	3.455103	3.071781	3.525355	3.545325	3.739362	3.536429	3.643658	3.680839	3.467143	3.754102	3.325506	3.370016
HLCS	6.3984885	6.409378	6.554841	6.286218	5.5935525	5.667927	5.3818405	5.5861395	5.838971	5.334199	5.959411	5.3214325
TIMM13	6.068624	6.141119	5.855671	6.0913715	6.766617	6.4214265	6.8315555	6.659875	6.0584355	6.2872655	6.5267815	6.5264785
TLR5	4.315878	4.587482	4.546371	4.748005	5.398774	4.858627	5.151524	5.058275	4.765615	5.719893	5.768186	7.220653
MYO9A	7.820709	7.519532	7.824957	7.301704	6.836696	6.930399	7.403298	6.786038	7.196111	8.002421	6.508023	8.074895
EIF2S3	9.690667	9.655495	9.832408	10.09158	10.99213	11.48993	11.15163	11.04707	10.35379	10.7951	10.77039	10.90332
AKR1B10	3.613744	3.571326	3.628973	4.118205	3.614648	4.642314	3.678184	3.926899	5.121927	3.477648	4.782908	2.990875
ACBD6	8.297161	8.493546	8.693903	8.706312	8.525538	8.632307	8.67433	8.442127	9.156322	8.543808	8.827052	8.643344
TBL1XR1	7.309847	7.718298	7.4390815	7.519679	8.593588	8.402185	8.1533235	8.5559735	8.389421	7.68907	7.622383	7.278618
PPP1R9B	5.810311	6.3202085	5.817672	6.26977	5.9742885	5.6340715	5.6823365	6.020542	4.9923775	5.5056435	5.29931	5.587918
BTG1	10.34419	10.67696	10.68635	9.923014	11.22344	8.940679	10.51276	11.18694	10.49444	11.37827	11.24881	10.04934
RAB8A	9.736513	9.465451	9.323023	9.632097	9.178239	9.43139	9.535908	9.23737	9.845289	9.007441	9.519875	8.888437
SH3BP2	5.515024	5.528877	5.83188	5.62746	5.504625	5.949725	5.348863	5.872903	6.233616	5.629337	6.581839	5.378201
SESN2	8.144692	7.847912	7.234157	7.7577745	7.604139	8.019449	7.7281655	7.6440925	8.515201	8.561017	9.370339	8.623961
ZNF213	7.307084	7.530978	7.311627	7.083631	6.213909	6.336454	6.312762	6.504014	6.414835	6.945271	6.571652	6.631549
CCIN	6.319758	6.28238	6.054465	5.719799	4.774965	5.177735	4.93499	5.24254	5.266108	4.747585	5.158057	4.24144
CAPN1	7.181079	7.0928835	6.772896	6.9778065	6.487228	5.8167605	6.3894895	6.616099	5.883151	7.317478	6.279632	6.886794
PEX7	7.011532	6.756656	6.132757	7.1244575	7.048207	7.897304	6.5170725	7.3432775	7.1241535	6.1644275	8.141564	6.624898
AMIGO1	4.615492	4.990855	4.791619	4.791619	4.924762	5.090676	5.301431	4.898962	4.880484	5.110527	5.306369	5.010274
DNAJC17	5.894587	5.906827	6.285793	6.536328	6.587942	6.107557	7.43879	6.529283	6.632992	7.00375	7.052213	6.615932
NPAT	5.943277	6.285189	6.233696	5.528878	6.673492	6.016134	6.60635	6.685939	6.551489	6.157495	5.39053	5.937746
ZCWPW2	3.020695	3.804861	3.555514	3.524401	3.034896	3.205991	2.617932	3.147569	3.607218	2.86644	3.550095	3.565093
UBLCP1	8.53268	8.113311	8.2381335	9.2468705	9.5593415	9.702874	9.359084	9.52716	9.720361	9.3469245	8.8683845	9.440105
KCND2	5.879156	4.256254	5.488277	6.012291	2.700614	2.903244	3.938648	2.886993	4.471229	4.197495	2.814048	4.440157
GPSM1	7.3968525	7.3627555	7.436531	7.2601205	7.181993	7.3251495	6.669335	7.189844	7.154594	6.9282545	7.3774825	6.8669785

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
HAS3	4.087283	4.247777	4.280379	4.669033	5.4553155	5.6134655	5.608086	5.748837	4.764668	4.8807665	4.981372	4.8788795
SERPINB13	3.271788	3.380543	3.387596	3.3696775	3.6180855	3.672186	3.254355	3.60292	3.2656685	3.361319	3.549173	3.3271955
WDR55	5.935403	6.533937	6.122166	6.096612	6.356211	6.706268	6.64247	6.40628	6.275073	6.144767	6.301246	6.249904
PIK3C2A	5.651864	5.259848	5.613478	4.458615	4.88954	6.02947	5.463373	4.96721	4.680136	5.941816	4.309645	6.017323
CALML5	4.279638	4.428188	4.420733	4.239847	4.084489	5.232731	5.646987	4.11828	4.316314	3.916037	4.810906	5.466056
TMED6	3.881774	3.625733	3.979436	3.778911	3.832982	3.690349	3.781822	4.100379	3.594256	3.445334	3.913021	4.300806
CDR1	2.748777	2.712323	2.769085	3.043832	2.622665	2.80236	2.32786	2.434685	2.519808	2.532093	2.818468	2.480702
INHBA	8.815859	9.102846	7.924362	9.867508	5.269509	4.850091	4.017822	5.756081	11.61954	5.782352	5.0382	6.218595
RAB35	7.484286	7.649792	7.632262	7.932214	7.911211	8.558342	8.119059	7.864529	7.79916	6.98141	8.101773	7.498999
GABRA6	3.108778	2.668743	2.608027	2.70377	2.502479	2.697057	2.838309	3.063046	2.531709	2.804755	2.79241	2.578075
NAPG	7.6348735	7.4211605	7.5257675	7.5123725	7.857455	8.1287385	8.2750385	7.9833665	7.740695	7.5481345	7.7572815	7.8903285
ZNF512	8.3052685	8.135335	8.0177275	7.862238	8.380273	7.8009425	8.1856145	8.2427675	8.498484	8.341726	8.204488	8.1403415
CYP4F11	2.945385	3.197831	3.083576	2.650218	3.176237	3.056171	2.883465	2.908317	2.839661	3.055446	3.197831	2.661925
ZNF675	4.525144	4.532927	4.732885	4.220688	5.725922	5.914127	5.902523	5.57038	4.593296	4.704428	3.381429	4.008013
ZNF670	4.189291	4.269555	3.975866	4.720773	4.404789	5.455451	4.933268	3.778498	5.962089	4.705478	4.54301	4.181954
WFDC1	4.456078	4.392438	5.366529	4.758187	5.515141	6.704039	4.793419	5.528184	4.415423	5.065217	8.993555	4.884761
HMGN4	10.31967	10.20884	10.14311	10.25808	9.887928	10.59239	9.909018	9.829826	9.950156	10.16612	10.98967	9.85943
C4BPA	5.834888	6.005258	5.961847	6.080369	6.378131	6.532712	6.211626	6.255812	5.942032	5.805602	6.580727	6.378574
ESRRB	3.666715	4.461998	4.306736	4.392166	4.09491	4.020142	4.064516	4.057946	3.969595	3.63679	4.17844	3.207431
PCDHB2	3.6869325	3.972006	3.571557	3.4790485	3.061129	3.1244195	3.014739	3.1062905	2.897486	6.9260035	3.054963	4.721463
APOF	2.659636	2.582019	2.62716	2.803986	2.756567	2.723215	2.556389	2.704606	2.618411	2.711534	2.66478	2.521145
MNAT1	5.430686	5.4428455	5.5006575	5.5133055	5.4082925	5.698775	5.531103	5.3125825	5.5226435	5.5736995	5.271273	5.6903255
TLR2	5.179938	5.525985	5.263566	5.531687	5.500625	5.590617	5.324013	5.384085	7.153128	5.174541	5.552161	5.297895
SPATA5	4.915018	4.708829	4.758233	5.394293	4.615686	4.227252	4.934967	4.548111	4.747087	4.474314	4.813693	5.317749
KRTAP17-1	4.535685	5.155726	4.772677	5.034877	5.1612	5.029985	5.172416	5.257019	5.435544	4.9515	5.198492	4.898688
MRPS5	5.873586	5.990727	5.902968	5.389737	6.6872205	6.771676	6.926683	6.470966	6.2145535	7.012413	6.512923	7.5479025
CHRDL1	4.374072	4.678613	4.307049	5.768187	4.500234	4.157069	4.694853	4.406336	4.800286	4.222098	4.624681	4.422113
LIMS2	5.566025	6.72983	7.096341	6.673246	5.695624	6.384969	5.444036	5.720934	5.979857	5.404182	5.924572	5.666185
PRKAR2B	6.179567	5.41084	4.650306	6.339846	6.776004	3.278613	10.2702	6.778275	6.054398	8.855646	3.366005	8.430793
EIF4G2	6.292667	6.448909	6.261091	6.708765	6.59939	6.374667	6.28765	6.640448	6.779727	6.020884	6.579942	6.317314

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
APOBEC2	5.107354	5.34208	4.813287	5.49177	4.971905	4.503706	4.967949	5.078378	4.933639	4.664283	4.908223	4.512276
MRPL46	8.14777	7.969625	8.202415	8.211219	8.798471	9.027227	9.369108	8.78885	8.782475	8.342228	9.300768	8.562994
NEFM	5.7524365	5.3031995	5.6594465	7.081414	7.417731	7.26951	7.5583565	7.626018	4.526702	6.557687	5.58898	7.34486
SRP72	9.6644615	9.3739215	9.6373475	9.9481025	10.094344	10.36731	10.15095	10.0107855	9.887903	9.021006	9.4243695	9.1596185
MOGAT2	4.514114	4.5872225	4.58408	4.9631725	4.693523	4.6636605	4.5841105	4.6978675	4.572654	4.599233	4.7963735	4.739536
CLEC1A	3.601361	3.766565	3.634649	3.761666	4.184141	3.436073	3.509324	4.016648	3.565093	3.43938	3.61775	3.502002
TIMELESS	5.7722015	5.667616	5.765068	5.9035615	6.1978275	5.0406675	6.6253435	6.1227505	6.104523	5.9148685	5.3756735	5.8688255
TAS2R13	3.475225	3.067885	3.51853	3.475072	3.339135	3.414379	3.487545	3.344666	3.515655	3.379564	3.284163	3.267249
ACSL1	8.2128055	7.498983	8.2475635	8.254979	9.0673865	9.3884955	10.0217625	8.883053	8.3123875	9.1742845	9.94731	8.919329
FNTB	4.564396	4.532457	4.044121	3.313472	3.874672	3.920205	3.799973	3.594183	3.689703	4.713815	4.111412	6.239932
SIPA1L1	7.932983	7.577	7.775883	7.596713	7.283087	7.268345	5.593753	7.898088	6.699281	8.233028	7.008149	8.10951
HS2ST1	7.701572	7.178829	7.2428935	7.523815	7.8271505	7.986217	8.043267	7.7128615	8.1674475	7.6650805	6.7885495	7.373999
ZNF584	6.672957	7.086789	7.148603	7.041657	7.327795	7.476407	7.390757	7.224824	6.979921	6.995347	7.53099	7.233253
SSR4	11.13971	11.34587	11.36911	11.33221	11.80117	11.64306	11.46692	11.88322	11.02368	11.63913	11.39905	11.55215
SDK1	3.485476	3.697765	3.460554	3.432888	3.710239	3.318446	5.0613535	3.691103	3.6119385	6.256333	3.7885315	5.5683105
AGTR2	3.042819	3.225229	3.525771	3.447014	3.338346	3.142909	2.996056	3.27228	3.141171	3.208708	3.145259	2.875152
AKAP1	6.5159995	6.8299355	6.5429815	6.345727	7.186575	8.4733415	8.4940035	7.0936465	7.1816615	7.5180535	7.942457	7.5705105
RGS14	4.898296	5.044351	5.072627	4.887281	5.436247	4.673364	4.941454	5.32435	5.358201	4.781937	4.4445	4.627303
PRPF18	4.88114	4.951982	5.232746	4.918387	6.505351	5.519193	6.476202	6.299016	5.522384	5.958997	5.544565	6.802789
CCDC58	6.746974	5.887319	6.96284	7.5973	7.377735	8.693368	9.697981	7.226411	7.035549	8.499331	8.355263	7.795411
SAMD4A	5.9013435	6.1363825	6.3515325	5.5062095	5.6009095	6.2874645	5.6415795	5.6331905	5.1278395	5.1795295	5.5519305	4.9220855
CREB3L1	8.236071	9.6414	7.882122	8.2560585	5.731679	7.053233	5.899353	5.9210945	6.8532195	6.2143315	6.87112	6.433052
ZNF600	6.16159	6.498565	6.471231	5.427461	6.247533	6.627436	5.038538	6.212062	6.76612	6.399486	5.77361	2.898831
ARHGAP21	8.4255545	8.088678	8.44544	7.9687295	7.9117135	7.393816	8.132586	7.914821	7.544307	8.5627975	6.8538995	9.018655
C8B	4.505839	4.752326	4.56552	4.740958	4.674992	4.435654	4.705655	4.634066	4.529402	4.455244	4.710433	4.617997
CTNNAL1	10.39259	10.48475	10.75626	11.32396	9.759583	10.01112	9.30029	9.631523	10.14072	8.471627	7.662371	8.183221
M6PR	8.83204	8.767444	8.7910385	8.7951015	9.4751835	9.8322545	9.5848225	9.468046	9.775734	8.8956225	10.17036	8.4232615
NCBP1	6.41998	6.242115	6.1245525	6.307378	6.9951135	7.3827095	7.459315	6.8690565	6.162442	6.2009955	6.236843	5.9672595
APIP	5.7147295	5.450367	5.8862465	5.8012625	6.128266	6.09741	6.520063	6.1219205	5.6456405	6.313991	5.7698565	6.758823
PRRG1	8.243216	7.581362	7.847489	8.171445	8.18224	9.444487	8.092128	8.126464	9.077574	8.012624	7.987778	7.864365

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
SELPLG	5.580123	5.342733	5.670327	5.4761555	5.411754	6.16831	5.3503395	5.505356	5.1610885	4.9754655	5.4353225	5.124986
TCERG1	4.71757	3.583836	3.7223	3.575175	3.502073	3.743572	3.614649	3.381429	3.573405	4.507211	3.62333	5.219218
OR6B1	3.205991	3.023093	3.363617	3.252979	2.884181	3.081095	3.01106	3.269849	3.131668	3.171365	3.48462	3.336395
SCUBE1	4.569548	5.006896	4.418596	4.321951	4.562916	4.443655	4.565723	4.53115	4.095161	3.877625	4.387922	4.081261
FOXN1	4.0403175	4.317504	3.7903365	4.3218155	4.3419585	4.55081	4.192863	4.468154	4.0630175	3.8275745	4.0911135	3.782029
MARCKSL1	9.175529	9.174718	8.945354	9.586059	11.18603	10.12448	10.64165	10.89288	9.470649	11.39479	9.672118	10.87447
ARHGAP5	6.457732	6.915827	7.564783	6.161341	5.459127	7.016445	5.516917	5.330318	6.434626	5.719713	4.353356	5.622424
PFN1	11.75458	12.41363	11.89546	12.60903	12.26356	12.55357	12.30843	11.96861	12.03228	11.26835	12.02271	10.94232
TAF2	8.1052765	7.895196	8.025097	8.11416	8.1946015	8.163158	8.4447795	8.2349435	8.2669745	8.015972	7.458301	8.1282895
LRRTM2	4.408301	4.082255	4.376228	5.125157	5.259385	7.367152	6.841978	5.089177	4.023063	4.266757	4.29554	5.891155
KLHL15	7.439874	7.235748	7.673677	7.689348	7.754098	7.791945	9.099725	7.697613	8.017569	8.147832	7.102528	8.38468
PIGS	7.917749	7.911559	8.194423	8.516521	8.328927	7.969125	8.548178	8.139746	8.159346	8.323769	8.101536	7.909222
TFAP4	6.207816	6.409577	6.329602	6.074785	6.343043	6.135406	6.650478	6.312642	6.305762	6.323582	6.417107	6.572902
ZNF227	6.467479	6.0274715	6.2467425	6.6124675	7.0914245	6.877062	6.9826595	7.069337	6.9959905	6.7045095	6.574581	6.2216195
PPBP	3.801158	3.242183	3.301814	3.074964	2.889737	2.918077	2.896605	3.208359	3.010869	2.955087	2.939556	2.550695
KLB	3.192763	3.160156	3.166415	2.953263	3.6964625	3.193343	3.54449	3.6379665	3.238128	4.0016455	3.330911	4.1692365
PFDN6	6.9230505	6.665132	6.2648435	6.5118305	7.056999	7.760961	7.319463	7.013367	7.2422545	6.944553	7.779432	7.252318
AGPAT4	6.386016	5.6000385	5.7040095	6.086935	5.319043	4.9707635	4.7839095	5.023903	6.3707225	5.3329475	6.046162	5.53059
NT5E	9.502122	9.8227875	9.156559	9.3233355	8.472613	9.164685	7.2327385	8.664508	8.960663	5.5246805	9.411633	5.974617
PPP2R5B	6.754795	7.213561	7.219489	6.849023	6.463181	7.266257	6.451999	6.57815	6.5428215	6.5798555	6.720424	6.642949
NCR2	6.441582	6.842528	6.376544	6.367775	6.187871	6.022364	6.133883	6.080369	6.080369	5.751388	6.328884	5.788955
ANLN	10.061046	9.858382	9.532137	9.871357	9.8803795	7.6262635	10.71796	9.55108	6.92999	8.1999805	5.971894	7.750182
BZW2	10.73529	10.79412	10.514	11.09496	11.294	11.09521	11.85596	11.27852	9.732442	11.49368	11.02149	11.73607
SCN7A	2.732362	2.873833	3.092365	2.689707	6.789756	6.147025	8.954865	6.832054	2.810019	3.811885	3.403492	3.69355
NOS3	4.175567	4.571033	4.209058	4.4745715	4.304982	4.9201605	4.3363865	4.268881	4.2086005	3.80593	5.5495465	4.3863695
KIF17	5.24886	5.451412	5.692698	5.513787	5.647192	5.606082	5.610859	5.627627	5.462673	5.547183	5.442928	5.747944
LECT2	3.397703	2.85424	3.049294	2.951216	3.089708	2.763935	2.951216	2.985661	2.951039	2.935946	2.763935	2.916824
TRIM16	7.056426	6.846252	7.562252	7.388216	9.180873	8.491364	8.404152	9.237876	10.51464	8.875326	9.233617	8.950462
OMD	3.148612	2.9583265	3.1601805	3.068626	7.3128675	6.939518	6.320491	7.50645	3.0812685	6.4235655	3.4585955	7.199376
ZNF148	7.375123	7.161259	7.465007	7.331751	7.09864	7.317697	6.652881	7.259902	7.40929	6.888493	5.616799	6.971434

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
ZNF575	6.883736	7.025719	6.202721	6.774821	5.795624	5.591577	5.833457	5.808343	6.559692	6.446734	6.093894	6.576204
HOXB3	6.397089	6.7431535	6.6091125	6.4059865	6.551043	5.7109015	5.9170275	6.4921105	4.3609	6.7615415	6.178204	6.3407175
ZNF589	4.6655785	4.9232635	4.162465	4.4577295	5.448801	5.0583425	6.3912225	5.3918885	5.366791	5.3984145	5.537986	5.118446
ATPAF2	5.701756	5.3675575	5.5613605	5.858053	5.6821605	5.7877915	5.7257995	5.7083025	6.1399985	5.5757185	6.185032	5.687748
MIP	4.556545	4.994238	4.751478	4.777275	4.808522	4.975347	4.588509	4.849187	4.719005	4.467267	4.7476	4.781099
OVOL2	3.451421	3.554945	3.5559585	3.52697	3.7020865	3.5382465	3.554466	3.6028995	3.608047	3.469866	3.5484445	3.497133
F2RL2	2.96562	3.727858	3.5588365	6.2547215	4.9365515	6.2526235	3.5392705	5.0067885	7.297436	5.3350425	3.2240075	4.6012805
ANKRD35	6.001418	5.629338	6.176585	6.262268	4.468857	4.84052	4.25429	4.685904	4.605654	4.129963	4.526388	4.030074
LELP1	3.477424	3.627229	3.622657	3.410769	3.296583	3.376371	3.544615	3.333235	3.176107	2.873751	3.499643	3.23786
VTCN1	3.399428	3.850635	3.892928	3.920249	4.108083	5.054849	3.897231	4.001513	3.854338	3.546311	4.054832	3.510961
RGS11	4.51093	4.869512	4.821404	4.14696	4.4885	4.74778	4.294727	4.50971	4.566949	4.264196	4.907884	4.609913
WDR49	2.990647	2.8921815	2.977252	2.9394285	2.9306315	2.9392945	3.02463	2.9383885	3.0171215	2.7790585	2.900588	2.905548
MDM4	5.2482985	5.333699	5.813323	5.353412	5.6321345	5.2049815	5.8423145	5.6090215	6.3075835	6.0927845	5.3591265	6.599975
JAG1	4.54448	4.378508	4.874815	4.904473	6.45193	8.83535	6.707626	6.511512	6.7869	7.292378	7.859756	6.361655
ZNF346	5.682003	5.638388	5.773578	5.766764	5.751534	6.312241	5.91088	5.806891	5.849939	6.439212	5.867755	6.715978
RASSF8	6.075043	6.1971345	6.286887	5.091372	5.729281	4.608532	5.1584545	5.6265765	4.491129	5.6081555	4.487931	5.6608835
SRCAP	5.3454715	5.5534355	5.463986	5.701794	5.7810355	5.9564235	5.597638	5.7912455	5.3273625	5.8381865	5.3603165	5.6274825
COPG2	4.6156555	4.417687	4.1183805	4.725164	5.139387	5.637471	4.867137	5.159582	5.466558	4.73378	4.459617	4.8334665
SCOC	9.836678	9.5829795	9.84018	9.895566	10.003082	10.167195	9.7403365	10.0429795	10.0680535	8.4238075	9.0712885	8.0483375
PUS7L	6.2743695	6.612829	6.3722445	6.8253685	6.5491875	7.4102795	7.035299	6.508082	6.9643385	6.062217	5.7944825	6.018248
ADAM32	3.542692	3.065687	3.449964	3.029012	2.66897	2.995612	2.514815	3.005653	2.672984	2.698739	3.011746	2.874014
IFNGR2	10.31792	10.49387	10.48009	10.25523	10.25318	9.652519	9.620216	10.12013	9.475338	10.27281	10.51279	10.3537
C1QTNF2	4.543069	4.439753	4.787638	5.01708	4.214061	3.999561	4.176764	4.079843	4.533347	6.749781	4.104934	5.960369
TCP11L1	7.606583	7.1558	7.327828	7.304597	8.027561	7.193345	7.39886	8.321789	6.786292	6.144578	7.374919	6.543121
DNAJC13	5.21226	5.76685	5.468946	4.842865	5.100606	5.344289	5.530155	5.172626	4.897407	5.141447	4.500598	5.027905
INSM2	4.05479	4.544494	4.021593	4.128672	4.206056	3.942429	3.933114	3.996398	3.957731	3.977292	4.196797	3.873289
RAB3C	3.2875765	3.2316635	3.2062195	3.2245425	3.3010345	3.277044	3.362746	3.2915235	3.3433575	3.154098	3.401202	3.086287
AKAP3	4.549512	4.431564	4.195422	3.971666	4.890072	4.745677	4.783287	5.068706	4.740249	4.661772	5.467042	4.593851
XKR8	8.311565	8.271408	8.559699	8.252402	8.081853	7.889208	8.152379	7.998693	7.781358	8.106176	8.556893	7.96485
MYH13	5.052233	5.148315	4.742563	5.020618	4.738039	4.880587	4.596359	4.706788	4.426682	4.324499	4.682915	4.203644

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
RNASE2	3.669095	3.690909	3.647111	3.564204	3.781822	3.49499	3.705078	3.576597	3.706633	3.82533	3.684427	3.461544
CDH17	4.021053	4.087486	4.077774	4.197026	3.827056	3.681827	3.825657	3.965613	3.84462	3.791218	3.940485	4.187511
LSM3	6.929388	6.9291875	6.962139	7.253752	7.33946	6.935483	7.307294	7.1560855	7.45842	6.8166	6.857876	6.682986
LCE1B	4.062906	3.93158	3.900519	4.14588	4.227119	5.162992	4.269555	4.600189	4.553312	4.380555	4.206779	4.000791
FRYL	6.7942135	6.115044	5.6950875	5.605949	5.716618	6.195161	5.919086	5.6415335	5.1714725	5.5190905	5.12535	5.104751
RTN4IP1	6.997523	5.9124505	6.036021	6.968825	7.469118	7.7221505	7.832292	7.491774	7.115797	6.6814805	7.843695	6.5644495
CST9	4.348533	4.821712	4.46542	4.401058	4.84851	4.414721	4.377003	4.137912	4.272336	4.151709	4.332368	4.185685
CD5	5.361814	5.559988	5.263101	5.477339	5.516312	5.4018315	5.382483	5.548435	5.4892065	5.3305155	5.536107	5.213922
SOX21	5.043808	5.357347	5.072605	5.040454	4.88457	4.8809	4.75324	5.15762	5.015538	4.626842	4.761462	4.230314
NRGN	5.06552	5.640194	4.721868	5.615024	7.364456	5.716027	8.847567	6.876515	4.625925	9.402834	6.667499	8.066293
KPTN	6.244718	6.327751	6.115606	6.462739	6.778724	6.92001	7.407402	6.766696	6.376015	6.656201	5.948982	6.42751
MRPS18C	4.346194	4.367696	4.194822	4.566081	5.180953	5.335011	4.856563	5.055856	5.578099	4.723615	5.437012	4.584833
FCHO2	6.760688	6.9364515	6.936592	6.267395	5.3120295	6.38918	5.7634695	5.2802235	6.072814	5.6514295	5.8055375	6.1822035
SNAPC3	6.427659	5.532793	6.598919	5.26848	4.871245	4.885399	4.899398	4.782238	5.434533	5.421033	4.222282	5.751844
CST4	5.431373	5.883316	5.660612	5.744488	6.078369	6.594944	6.086593	6.190461	6.080369	6.082631	6.001891	6.319654
CRLF2	4.667546	4.744428	4.619735	4.341815	4.730509	4.672073	4.101819	4.324589	4.891511	4.776091	4.603724	4.620265
CHGB	3.365524	3.539847	3.98355	3.270071	3.205991	3.48597	3.178182	3.188684	3.523445	3.375148	3.407387	3.13376
SPAG5	8.05877	7.627945	7.422382	7.815778	8.069056	5.412469	8.746513	7.559192	5.271319	7.537865	6.539156	7.141617
DYNLRB1	5.479712	5.532405	5.675508	5.486904	5.425699	5.375092	5.324632	5.500102	5.047772	5.159554	5.418097	5.337365
LCN1	4.714846	4.903359	4.736465	4.850577	4.648881	4.806372	4.607105	4.911626	4.143753	4.220476	4.641726	4.469044
CKS1B	10.03779	10.08065	9.570443	9.896878	10.20799	9.066311	10.81502	9.923741	9.360187	9.405311	10.01559	8.986318
FKBP3	8.0314895	7.7053715	7.923339	8.0908345	7.921356	7.3947155	8.0819345	7.817866	7.7779765	7.926353	7.480195	7.7119965
SYP	4.692442	4.730048	4.6716	5.21371	4.767647	4.627104	4.770411	4.989819	4.744847	4.404681	4.529592	5.041683
LPIN1	7.374313	7.392019	7.217323	7.68812	8.765522	9.226965	8.856451	8.616355	8.312866	7.748625	7.813136	6.573258
KCNMB4	5.932704	5.852688	5.56419	6.090587	5.569142	5.134223	5.203586	5.601776	6.046824	6.041677	5.623693	5.321085
PCP4	4.139784	4.242823	3.773508	3.878823	4.052873	4.166749	4.171968	4.345902	4.138128	3.72258	4.084794	4.107489
SDHB	7.070646	7.045387	6.9115265	6.945984	7.472056	7.408077	7.8313655	7.617852	6.7972005	7.2370835	7.4133225	7.1542925
ATP6V1A	9.375438	8.937161	8.764524	8.7427835	9.6680605	10.1565745	9.780171	9.85793	9.745407	9.011747	8.4604055	8.888106
MAP3K11	6.0207475	6.3123535	6.190604	6.435576	6.2286525	6.0475135	5.904343	6.0678605	5.928186	5.8367085	6.058351	5.7624755
CDH13	7.022974	7.50852	7.466925	7.963377	6.882175	4.837971	6.182448	7.20864	8.769416	4.981453	8.527844	7.593079

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
PLCZ1	3.243296	2.805061	2.901724	2.94371	2.985444	3.366517	2.832341	2.935823	2.901594	2.97268	2.838051	2.881435
RECK	9.23105	9.211657	9.085186	8.633091	6.415091	6.333829	6.054147	6.28716	6.646245	7.163896	5.939224	6.705054
INPP1	8.447529	8.072463	8.690259	8.705103	9.315563	10.10709	9.523487	9.276668	8.635982	8.423637	9.603669	9.007588
ABCB6	5.5048565	5.891912	6.063868	5.923731	6.322501	6.308917	6.7141745	6.2734895	5.695648	6.647504	5.866921	6.761028
PDRG1	7.34284	7.339739	7.284739	7.556701	8.851446	9.016897	8.879969	8.683659	8.380592	9.150724	8.390528	8.875943
SPESP1	6.017464	4.512642	6.531223	7.092634	8.912416	3.094982	8.010387	9.173594	7.717046	7.000407	7.622267	3.321518
PYDC1	3.325192	4.103988	3.887736	3.830125	3.500564	3.557249	3.215417	3.708186	3.543259	3.269274	3.500564	3.070741
RAB13	11.85581	11.43884	11.81969	11.91364	11.36199	10.41861	10.89127	11.31123	11.00676	11.5218	11.18318	11.21309
BRF2	6.993728	7.2608885	6.9282645	7.3136285	7.2688775	7.6259745	7.203261	7.450718	7.8474225	7.2353245	8.0257085	6.957998
BCAS3	5.515612	6.211954	5.940434	5.768186	6.367303	6.952541	6.285275	6.314874	6.400846	6.174002	7.190926	5.409952
IFNA5	2.504848	2.396515	2.456145	2.405494	2.434694	2.354611	2.479859	2.775141	2.748357	2.241434	2.658444	2.444637
HEXA	4.76522	4.9845085	4.986359	5.052013	5.4032495	5.0081995	5.3859015	5.4496265	5.9620625	5.6165435	5.4480375	5.9073135
LIPG	3.036654	2.841759	2.684137	2.94371	3.676057	7.954062	3.663059	4.242613	5.399118	4.144085	5.914777	3.861049
DLAT	8.2899	7.930701	8.015328	7.878615	8.982582	8.993534	9.597545	8.823929	8.021135	7.601723	8.270729	8.125866
PNPLA5	4.247558	5.017245	4.413065	4.518038	4.524306	4.64712	4.734324	4.479181	4.082121	4.477732	4.316364	3.903796
STAT5A	6.702747	6.610414	7.04593	6.702747	6.557142	6.361548	6.68357	6.557726	7.023866	6.406763	7.221505	6.781741
PLXNC1	4.881092	4.4435005	5.0499935	4.1595935	4.700481	4.4625435	4.3954455	4.672915	4.332644	4.490365	3.791777	5.443784
PRR15	3.459779	3.993925	5.884988	4.10269	6.480348	5.945444	8.122528	6.491666	4.67745	5.75508	3.508669	4.410726
OR2L2	3.284921	3.395208	3.402753	3.279374	3.458004	3.463986	3.394705	3.684775	3.431536	3.090561	3.208066	3.061921
HEBP2	5.688914	6.359159	6.398117	4.957496	4.913339	4.923249	4.775781	5.107818	5.78451	4.78082	5.097424	5.03775
LGI2	6.554517	6.502189	6.605528	6.419413	7.35554	9.247258	8.410984	7.483892	6.537865	7.469839	7.03855	7.333992
ZNF135	4.9942755	4.698934	5.0690095	5.1252665	4.450257	4.347883	4.3287095	4.6383805	5.336894	5.5488055	4.392959	4.785041
CHST2	4.9382185	4.4291315	4.806397	5.167488	6.949687	7.143173	7.306423	6.9150635	6.386005	7.996906	8.007848	8.1216025
TTTY14	5.0079175	4.662164	4.1236365	4.925888	5.334215	4.154359	5.5297955	5.2948095	5.1212805	6.1129025	5.3453885	3.884256
ALPK1	5.293189	5.053778	5.0929585	5.1222635	5.017808	4.9862275	4.924712	4.8684315	5.627513	5.444148	5.5904775	5.5056645
HEATR1	7.511279	6.118937	6.634203	7.220739	8.042813	8.979061	7.498044	8.09583	8.157225	7.016328	7.90093	7.109255
CYP2A6	5.244007	5.527789	5.1325335	5.3173	5.2068025	5.0783775	4.946022	5.294578	5.166315	5.121365	5.1784935	5.193527
HRG	4.0752225	4.2901285	3.9785885	4.5401065	4.176791	4.073058	4.725196	4.189708	3.990807	4.0501495	4.030359	3.9462975
TMPRSS5	5.451985	5.880602	5.477459	6.305277	5.741474	6.322311	5.89265	6.256631	6.128943	6.11253	6.439626	5.845552
CREB1	8.567969	8.129921	8.113723	7.44525	7.438327	7.138951	8.310778	7.410921	7.542351	6.619306	6.779048	6.435218

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
PHF21B	3.542649	3.3433995	3.250359	3.2311885	3.47603	3.420402	3.3486035	3.455185	3.4442265	4.389224	3.972275	3.853415
ALOX12	3.886773	4.024809	3.883395	3.964557	4.215973	4.083613	4.130797	4.056202	3.847458	4.097745	4.309645	4.280154
CACNA1S	4.634483	4.541732	4.683495	5.058626	4.647602	4.226449	4.221537	4.488098	4.417939	4.385565	4.4741	4.336197
MTF1	7.713637	6.879489	7.29462	7.160882	6.699488	7.731883	6.841966	6.574222	6.520944	6.57983	7.121827	6.60106
SHF	5.588669	5.599961	5.553931	5.626139	5.492991	5.280853	5.492991	5.465421	5.485751	5.900243	5.647737	5.713838
RASGEF1A	3.7852535	4.1673665	3.9147795	3.6537105	3.8175045	3.9920345	4.661802	3.7152235	4.2465345	3.543363	3.779694	3.593187
AOAH	5.07246	5.15645	5.118076	4.878769	5.158944	5.278128	5.141122	5.14776	5.009618	4.627171	5.043466	4.834132
CCDC90B	6.239517	5.328453	5.343737	5.936475	5.447583	6.859978	5.570496	5.661078	5.530234	7.023666	5.611728	7.018042
METTL2B	4.409674	4.139477	4.427143	4.428326	5.011765	6.336684	5.025184	4.903042	5.195046	5.69374	6.596272	5.832733
CYP27A1	6.492393	6.969812	6.774819	6.744118	7.424323	7.00334	6.792055	7.105338	6.670484	7.674418	7.406473	7.672251
PRKCH	4.967262	4.646842	4.927384	5.000705	6.797016	4.084363	3.669656	6.860487	5.149708	4.013655	4.080759	3.99925
IGF2R	8.057199	7.713553	8.128584	7.8934345	9.220894	9.77636	8.698367	9.240743	9.9143245	10.597785	9.7491275	9.232349
SIRT6	7.244767	7.4684205	7.0388695	7.051734	6.963302	7.2036475	6.8168675	6.965228	6.896857	6.827163	7.1497465	6.8412415
SPTA1	3.150483	2.924148	2.823619	2.97659	3.179103	3.225296	3.133774	3.149253	3.014522	3.072056	3.128245	3.030049
BTG4	3.1387255	3.017706	3.310831	3.39104	3.3008215	3.528769	3.148517	3.215386	3.2058405	2.9638295	3.34356	3.261212
LMO1	3.922062	3.925602	3.871372	3.609847	3.781823	4.03235	3.863378	3.739423	3.808932	3.765695	3.914588	4.124553
ARHGAP18	8.536853	9.492347	8.444515	8.02941	8.102305	7.241577	8.407954	8.046669	8.100988	7.29232	6.193111	7.589529
TSPAN8	3.131634	3.24917	3.431704	3.203483	3.427086	3.570797	3.181123	3.381429	4.272282	3.023321	3.421407	3.401473
CD8B	4.351818	4.262893	4.21009	4.351876	4.259272	4.307897	4.63113	4.347877	4.368954	4.294074	4.319198	3.899774
CKAP2	4.104642	4.115276	4.246995	4.27304	4.36639	4.259486	4.317818	4.099222	4.087419	4.097745	4.189152	3.873289
DYNLRB2	3.648613	3.620432	3.82064	3.088516	3.557472	3.750498	2.826718	3.381429	4.441771	3.008079	5.000705	3.0794
OR2K2	3.663836	3.5899685	3.6578015	3.701985	3.3337365	3.474818	3.383436	3.4628995	3.582779	3.299853	3.5416805	3.1268225
ADAMTS12	6.730081	6.7621835	7.0423035	7.158881	6.713898	7.6915335	7.959466	6.809355	7.050337	8.340267	6.093588	8.1020815
KRTAP5-2	4.148553	4.66466	4.422103	4.224556	4.269328	4.11836	3.95892	4.133646	4.283472	3.873168	3.94581	3.686018
PRR7	6.158393	5.707323	6.154248	6.294617	6.561173	7.620377	6.369483	6.480692	5.881177	6.29074	6.940556	6.360603
KLF9	4.993069	5.372531	5.301719	5.445908	4.974982	5.289052	5.021447	5.049679	5.802642	4.590984	5.063018	4.834984
DLK1	3.9978845	4.4623135	4.1463885	4.2200465	7.6953275	7.255159	8.075227	7.745353	4.0095855	6.8802295	7.957607	8.6178135
CLEC1B	3.918482	4.39921	4.186316	4.202076	4.058417	8.134853	3.893111	4.445562	4.06024	3.928886	4.159168	4.026106
USP37	6.048694	5.807497	5.751945	6.313702	5.699407	4.954976	6.598705	5.361779	6.514956	6.726784	5.684483	6.297731
SSR2	11.69672	11.61909	11.52932	11.7896	11.32775	10.91189	11.36098	11.30315	10.4858	11.51496	10.99329	11.14435

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
RASA3	6.694998	7.23292	6.962004	6.147916	5.680565	5.766129	5.10779	5.564389	5.596902	5.170672	5.634989	4.949022
MAPK6	6.726451	6.5897075	6.538546	6.615704	6.6150515	6.484201	6.561986	6.786398	6.639037	6.355332	6.655966	6.1116245
INHA	3.765638	4.318819	4.058417	3.98409	4.142904	3.809992	3.925668	3.925668	4.008684	3.826869	3.916335	3.782411
IGSF22	5.599962	5.864938	5.660612	5.280899	6.057215	5.813336	5.560566	5.850718	5.564862	5.416865	5.742493	5.823357
KRTAP19-1	2.711706	2.839987	3.072399	2.830142	2.901196	2.953496	2.832994	2.956382	2.788158	3.02336	3.020323	2.612729
KCNV2	2.489308	2.422929	2.589198	2.873438	2.49439	2.41613	2.527843	2.664779	2.674538	2.4145	2.605053	2.487328
TRPM7	5.156004	4.495824	5.26153	4.818762	5.469802	5.032505	5.695826	5.677151	5.85389	5.939743	5.418097	6.217656
A1CF	3.910133	3.957932	3.984171	3.887631	3.699768	3.6556305	3.6915905	3.9130195	3.7810055	3.937448	3.6439025	3.4462075
AAGAB	5.617556	6.058277	6.018623	6.075223	6.041512	6.483454	6.434595	6.066551	6.438899	6.542041	6.492111	6.306083
AARS2	6.610894	6.832474	6.3493545	6.651112	6.4241445	6.492803	6.6951865	6.508055	6.7967825	6.5355255	6.6447335	6.863427
ABCC6P1	2.798538	2.966468	2.893651	2.689021	3.251496	3.074964	2.823651	3.398099	2.851774	2.701698	2.749543	2.67956
ABCD3	8.847594	8.3577005	8.6071315	8.518703	10.0426985	9.34998	10.74366	10.0301555	8.369675	9.2796925	7.921951	8.992489
ABHD15	5.483773	5.938596	6.236927	6.10976	6.31288	7.723403	6.927476	6.318895	6.320856	5.401808	6.864184	5.687547
ACAN	5.549802	5.6230375	6.4694075	5.6542585	5.416982	5.3923765	5.488116	5.370666	5.2706645	5.181221	5.29889	5.381181
ACAP1	5.427843	4.775671	4.689374	4.52352	4.660363	4.862605	4.707011	4.642077	4.667945	4.810361	4.730276	4.929023
ACAP2	6.646717	6.504292	6.493681	6.05279	6.50647	7.512522	6.383408	6.656914	7.209254	5.939732	6.876262	6.222982
ACAP3	6.810903	6.980877	6.471843	6.5889195	6.444744	6.632498	6.4868485	6.326313	5.9528235	6.697936	6.293534	6.4707975
ACCS	6.119266	6.002352	6.534568	6.181563	6.68682	6.015868	6.293382	6.627836	7.007072	6.861085	6.190286	7.223667
ACER1	4.201971	4.888737	4.373531	4.693932	4.620065	4.500139	4.476207	4.745193	4.271439	4.177356	4.426224	4.060297
ACER3	6.3247575	5.5359815	5.8503485	6.479288	5.9937085	7.4466025	6.498042	5.954243	5.9742945	7.088942	5.142525	7.673074
ACSF2	6.48572	6.39807	6.832154	6.755991	6.829329	5.909735	5.828664	6.631781	7.606109	6.698389	6.312252	6.402009
ACSF3	4.640136	4.351809	4.793571	4.516585	4.287279	4.336903	4.16769	4.306095	4.328996	4.455568	4.910333	4.684474
ACSM2A	2.6003845	2.7355725	2.703443	2.679774	2.4516845	2.567164	2.6060465	2.4605665	2.4889005	2.520033	2.56231	2.6815345
ACSM2B	2.639503	3.139228	2.93931	2.898498	3.019757	2.953789	2.922395	2.823651	2.962298	3.072506	2.940989	2.977684
ACSM5	4.232624	4.361186	4.156788	4.309434	4.499389	4.234757	4.198654	4.693301	6.059381	3.913587	5.076148	3.922901
ACSS3	4.476211	4.306981	4.598683	4.5158975	5.2824425	3.8780045	4.13996	5.4281345	6.1781905	4.656846	3.8817545	4.720256
ACTC1	8.180865	6.825703	7.278669	8.34754	12.51613	7.61782	7.929807	12.63072	6.339847	6.800146	6.953416	7.804842
ACTRT2	4.482004	4.712837	4.501966	4.583469	4.4334	4.37983	4.197331	4.421653	4.34193	4.36517	4.211557	4.143212
ADAD1	3.7462925	3.714384	3.944897	3.765932	3.9281155	3.6230265	3.6056655	3.8068975	3.697663	3.5621235	3.711934	3.7191715
ADAD2	5.226789	5.528877	5.276493	5.253819	5.345926	5.450848	5.30143	5.378266	5.113251	4.984143	5.39422	5.112404

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
ADAM5	3.731735	3.624341	3.76784	3.457827	3.535848	3.502492	3.3245805	3.582843	3.3202945	3.2289525	3.7024615	3.3200455
ADAMTSL4	5.631474	6.2840435	6.26254	5.0845305	4.6212405	6.2839785	4.2139885	4.4950955	4.336475	4.129262	4.630776	4.487776
ADAP1	6.684891	6.619052	6.523218	6.5544265	6.551019	6.4192735	6.3782625	6.613203	6.826817	6.8041525	6.7046715	6.294094
ADAP2	5.293263	5.5715555	5.1135985	5.402253	5.0692535	5.561194	5.3636825	5.398283	5.2817755	5.0286145	5.6540725	5.29309
ADAT2	5.630557	5.3480875	5.575786	5.3512595	5.931173	6.7089265	6.0851455	5.9580635	6.0898115	6.5731315	6.299547	6.70656
ADAT3	6.357941	6.6764605	6.359981	6.4159865	6.489968	6.810185	6.399107	6.512135	6.1964525	5.958916	6.5341085	5.7869105
ADCY10	3.050322	3.343507	2.961101	3.0660645	3.1746995	3.03763	2.964162	3.1528905	3.140002	2.9823425	3.103466	3.017891
ADIG	6.0986535	6.1099765	5.8284285	6.339028	5.9994255	5.5400225	5.5280265	6.148358	5.7579645	5.347516	5.8688235	5.286502
ADNP2	7.328591	7.2989615	7.65881	7.1697215	7.559556	7.489256	8.188699	7.3595275	8.0597735	8.2753975	8.089916	8.4171945
ADO	8.6046745	8.6150795	8.7096425	8.8254305	8.538509	9.655437	9.2029355	8.510019	9.474018	8.308054	9.324223	8.5682825
AEN	7.838841	7.462299	7.659454	8.076555	7.987959	8.455739	8.633477	7.835566	7.880991	7.973962	8.840698	7.913792
AFAP1	5.762789	6.603115	7.166401	7.364307	7.358644	7.457943	7.248573	7.371698	7.970805	7.090769	7.192342	7.270219
AFAP1L1	4.870068	4.611722	5.2146385	5.4097445	4.9674195	6.8835545	6.099248	4.814477	6.5066465	4.536297	5.5531065	5.0123185
AGAP1	6.944433	6.543239	6.793194	6.456384	5.48315	5.970301	5.655879	5.536426	6.603927	6.681154	6.593582	6.895825
AGAP11	4.7394435	5.0029095	4.654958	4.5374865	4.326958	4.772146	4.278736	4.3138105	4.280401	4.255013	4.657347	4.431794
AGAP2	4.400591	4.74567	4.324723	4.27494	4.2339335	4.412967	4.2771855	4.381122	4.4358055	4.6506255	4.441115	4.238033
AGAP3	7.011792	7.033144	7.149746	7.030124	7.200583	6.713618	7.242983	7.120817	6.782451	6.643538	6.920748	6.710233
AGBL3	2.524368	2.558644	2.627573	2.530471	2.426647	2.587183	2.52034	2.589689	2.866946	2.708649	2.809322	2.613411
AGBL5	6.42761	6.464157	6.188899	6.294618	7.068218	6.27846	6.348735	7.008218	6.474815	6.321602	6.657018	5.398174
AGFG1	8.341458	7.889923	8.733546	8.068671	7.246862	8.209454	7.571595	7.473574	7.554741	7.052567	6.924379	7.388559
AGFG2	5.074428	5.2087075	5.239215	5.258717	5.49017	5.3638465	5.367112	5.500479	5.167546	5.181452	5.2124105	5.1201615
AGK	6.779397	6.919637	6.984891	7.438113	7.915364	9.106379	8.164571	8.141271	7.281296	9.510695	9.477092	9.752661
AHCYL2	5.69707	5.480975	5.8960045	5.4893185	6.7353115	7.9699615	7.093695	6.635733	6.3097715	6.5244405	6.5747445	7.0912545
AHNAK2	6.6339975	6.9054585	7.4841515	6.462423	7.299815	7.690651	5.4647935	7.165577	9.074405	8.0459255	8.276379	7.0360185
AHSP	5.56226	5.77325	5.937231	5.605062	5.629549	5.65924	5.491747	5.722587	5.738074	5.735457	5.750968	5.628409
AIDA	11.38804	11.27598	11.416705	11.36109	11.29124	10.964625	11.18168	11.19821	10.704505	10.7366055	10.84719	10.777428
AIF1L	4.769964	5.0256985	4.875287	5.2630265	5.0787565	6.6626595	4.882911	5.12366	5.270225	4.807325	6.027861	4.72775
AIFM2	6.4089365	6.3497585	7.1618495	6.682879	6.9544015	6.3218765	7.1443455	6.8957745	6.9330815	6.9624695	7.461328	6.3749415
AIFM3	5.390962	5.517154	5.547358	5.735906	5.78957	5.420188	5.856007	5.559876	5.54752	5.643095	5.942191	5.624915
AIMP2	9.362823	8.798265	9.392702	9.290339	10.44471	10.11179	10.67654	10.41589	10.06149	9.836424	10.64829	9.946127

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
AKIRIN1	7.868752	7.573613	8.204106	7.776686	8.932393	9.982119	9.055577	9.039096	9.28044	7.950109	9.165066	8.298639
AKIRIN2	8.492854	8.61854	8.012612	8.960579	9.150845	9.324982	8.650959	9.093955	9.444132	8.60718	9.244246	8.964626
AKNAD1	2.762798	2.814898	2.863347	2.852014	5.287492	5.361409	5.427774	5.654305	2.985966	4.302378	3.342975	3.074351
AKR1E2	5.0893505	4.619925	4.564239	4.946859	4.390051	4.1319905	4.9672295	4.139035	4.744675	5.1951945	5.0772	5.0124475
ALG10B	5.523324	5.114388	5.635198	5.379964	5.342325	4.767238	5.407482	5.022103	6.314913	5.447062	4.260998	4.977559
ALPK2	10.4865	10.1238	10.23357	9.661886	7.495653	5.818049	4.51521	7.732284	9.830506	6.669156	7.437065	4.963852
ALX1	5.557205	4.673002	4.745214	5.338855	5.354848	4.663081	4.929315	5.453751	7.942171	5.310405	4.776985	4.556861
AMBRA1	5.199599	5.2900325	5.391319	5.8671	5.928487	6.0905645	6.1727215	5.9849925	5.4455085	5.852352	5.74496	5.4396585
AMMECR1L	8.962185	8.346169	8.703693	8.785048	8.863552	9.394361	8.888535	8.898554	9.240724	8.89999	9.968906	8.90538
AMN1	5.258093	5.248816	5.14601	5.285853	5.411948	5.687078	4.801187	5.576074	7.020514	4.746641	5.097822	4.727547
AMOTL1	7.3378475	7.5956635	7.3170835	7.4741895	6.515034	7.383933	5.0092585	6.6878425	7.4751085	6.0182655	6.783654	5.491863
ANKIB1	9.483345	9.244747	9.279526	9.284742	8.687821	8.584186	8.510726	8.592793	8.540462	9.174991	8.444525	8.920252
ANKLE1	3.011875	3.70057	3.488094	3.47407	3.703614	3.63351	5.218304	3.575699	3.280118	3.99959	3.856037	4.450648
ANKLE2	7.65451	7.582454	7.889688	7.969154	7.251732	7.371574	7.220421	7.267718	7.387729	7.115379	7.539804	7.225296
ANKRD13A	9.082968	8.456241	8.219808	7.865053	6.1641035	5.649954	5.984527	6.2611595	6.451408	6.282704	5.931419	6.168093
ANKRD18A	3.3781035	3.247777	3.476086	3.4553015	3.7851255	3.9719615	3.396024	3.6533665	3.4006175	3.613915	3.5210745	3.693383
ANKRD18B	4.251593	4.518095	4.375771	4.457633	4.563324	4.354126	4.293697	4.514388	4.394832	4.624828	4.812541	4.34149
ANKRD31	3.549324	3.287138	3.355033	3.257726	3.219538	3.64202	3.287654	3.121079	3.253235	3.154597	3.265093	3.411247
ANKRD34A	6.055218	5.722645	5.660612	6.083457	5.909328	6.601616	5.850255	5.984828	5.677103	5.936697	6.15371	6.590817
ANKRD34C	3.259989	3.158294	3.538651	3.307343	3.560279	3.313665	3.365138	3.588794	3.556893	3.252094	3.785298	3.257856
ANKRD36B	5.937419	5.602874	6.20255	3.928949	5.98489	6.503224	7.063247	5.926787	5.956594	9.417778	7.270956	10.14335
ANKRD52	7.048474	7.120205	7.41862	7.335388	7.796906	7.717278	7.653708	7.791256	7.655717	7.14144	7.654145	7.332531
ANKRD53	4.7225025	5.080079	4.939771	4.9495715	4.7931785	4.659897	4.8970205	4.8006285	4.593662	4.741536	4.7112395	4.6636765
ANKRD54	7.723375	7.54869	7.967347	7.910277	7.648408	7.572517	7.773188	7.564522	6.98109	7.347251	7.582487	7.365259
ANO1	3.9885225	4.3743785	4.185607	4.2008165	4.1162625	4.1834255	4.154662	4.115628	4.0928095	4.1022135	4.1340185	3.928169
ANO10	8.093106	7.739747	7.797338	8.396029	6.974655	7.03464	7.08392	6.939577	7.289041	7.480158	7.71996	7.942478
ANO2	3.9868745	3.843043	4.211846	4.0609755	5.087358	6.186939	5.644225	4.9218605	3.876161	4.8821225	5.4384515	6.426456
ANO3	5.05077	3.98738	4.097315	3.172967	3.715514	3.205991	3.164188	3.680696	3.006737	2.970738	3.017111	3.090782
ANO4	4.128496	4.099352	3.751047	5.096968	3.949085	7.070949	6.464285	4.139477	3.519086	4.39157	6.429786	5.35912
ANO5	4.69663	4.518435	4.522373	4.223581	4.493174	4.430274	4.192839	4.449926	4.51947	4.834133	4.265641	4.653114

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
ANO6	7.1613435	7.459478	7.4487555	6.9232035	6.9378635	7.240029	6.820871	7.0295075	7.1907385	6.613086	6.802403	6.7552975
ANO7	7.244663	7.033801	7.264061	7.141436	6.163856	5.971658	6.577291	6.474683	6.125326	6.052178	6.155602	6.236046
ANO8	6.410198	6.1766	5.851461	5.602715	5.870363	5.499964	5.770424	5.434663	5.759392	6.122397	6.041576	6.017051
ANO9	5.249414	5.369108	5.267643	5.230498	5.21681	5.276515	5.43041	5.207146	5.247458	5.322386	5.299723	4.827406
ANXA2P2	12.78909	12.67378	12.60665	12.77983	12.57116	12.33961	12.05142	12.51791	12.26122	11.75666	12.06227	11.4396
ANXA2P3	6.088345	6.696152	5.895943	6.98332	6.693562	6.15012	6.14425	6.903498	5.871576	5.597035	5.696649	5.263479
AOX2P	3.510175	4.173561	3.603834	3.768009	3.526175	3.174083	3.386216	3.708011	3.280658	3.573661	3.768282	3.601738
APCDD1L	7.993011	8.871479	7.62144	8.605466	8.622398	6.546147	7.302238	8.716757	6.386951	6.011864	6.160637	6.514796
APLF	3.6620285	3.8147445	3.8311955	3.87448	3.387629	3.611269	3.5271565	3.419509	4.3486315	3.127728	3.479245	3.4394685
APLNR	4.814399	5.031551	4.846624	5.307561	5.03065	4.366504	4.589059	5.059946	4.577399	5.301877	4.911478	5.351636
APOO	7.976256	7.530833	7.419865	7.620219	8.062531	8.126657	8.748279	7.896836	7.789964	8.141401	8.219572	8.020018
APOOL	7.6051995	7.680938	7.6188735	7.425024	7.4507825	7.8069915	7.6161685	7.492216	7.408089	7.039786	6.8101675	7.092321
APPL1	7.7829595	8.176911	8.195185	8.1303685	7.792092	7.928277	8.167755	7.6047635	7.839354	7.4926445	6.7903925	7.1840165
APPL2	10.0548	10.62949	9.71077	9.631753	5.057271	4.906508	5.646652	4.704303	5.682046	5.843396	5.013624	5.112653
ARAP1	6.639887	6.9779	6.904785	6.648314	6.360252	6.809031	6.266703	6.539244	6.297786	6.745131	6.631625	6.898349
ARAP2	3.803546	4.041801	3.974124	3.984017	4.756009	4.578779	4.929378	4.900689	4.392922	4.132744	4.789093	4.557533
ARAP3	6.054324	6.0666395	6.239336	6.1973165	5.025784	5.618053	5.1254875	5.34336	6.2372355	5.1715255	5.3669675	4.82521
ARFGAP2	5.9739205	6.065702	6.0524215	6.245477	6.2507865	6.1591705	6.1453415	6.297823	6.1542625	6.139805	6.4450305	6.214957
ARGLU1	6.928193	6.74623	6.640082	6.153772	7.536014	7.0810455	7.7965615	7.6637845	6.8812415	7.717769	7.349934	7.9323185
ARHGAP23	5.5029435	6.074007	5.5802755	5.376569	4.955859	5.704921	5.279089	5.146308	5.175717	5.0364355	5.2626655	4.9855745
ARID3B	6.164903	6.482469	6.212142	5.703957	5.853518	5.782022	6.263806	5.719207	5.218654	6.01866	6.020498	6.249534
ARL5C	4.984743	5.33739	5.267089	5.238371	5.279997	5.385929	5.181525	5.332283	5.044573	4.764668	5.06552	4.631552
ARMC3	2.60023	2.825349	2.470237	2.791274	2.739382	2.436953	2.592537	2.930201	2.901869	2.79835	2.703493	2.665111
ARMCX4	4.574637	4.775887	4.970064	3.922649	4.005819	3.63819	4.325011	4.105484	4.342793	4.460381	4.033938	4.759852
ARPP19	9.360102	9.411011	9.431441	9.564216	9.448151	9.372048	9.570977	9.426245	10.03095	8.527561	8.839325	7.881071
ASAH2B	5.935326	5.5049025	5.5126355	5.4868685	6.2377935	6.6281715	6.387353	6.088786	6.8570865	5.3563085	6.2609225	5.1150435
ASAP1	9.48743	10.05668	9.991006	9.803848	8.485444	8.630425	9.076809	8.414021	9.475176	8.599287	7.709576	8.91239
ASAP2	9.898076	9.637832	9.934089	9.858207	8.031751	9.629769	8.639896	8.010279	10.25613	8.41275	10.41465	9.18568
ASAP3	5.8770925	5.95638	6.296251	6.2652125	6.8057695	5.5824265	6.1358855	6.573672	5.8792835	7.0606785	5.890722	7.0947245
ASCL5	4.298262	4.890362	4.230134	4.071412	4.593758	4.61379	4.458594	4.294264	5.071952	4.188777	4.240857	4.473602

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
ASPG	5.24687	5.5603405	5.1082425	5.4328075	5.302549	4.9781645	5.2117735	5.4705005	5.1831225	4.8776685	5.2184525	4.731368
ASPRV1	5.337481	5.591163	5.319057	5.732668	5.531331	5.56066	5.520308	5.613394	5.752666	5.430376	5.810625	5.204351
ASTN1	3.321559	3.031402	3.015498	3.301352	3.274069	6.418723	3.315767	3.288167	2.968377	4.824006	3.027913	5.708396
ASXL3	4.413078	4.539381	4.440771	4.656151	5.086676	4.895881	5.713574	5.16773	4.479342	5.621086	4.852617	5.518544
ATAD2B	3.834493	3.646054	3.825795	3.177033	3.772711	4.077269	4.205339	3.630277	3.624332	4.729048	3.543106	3.954547
ATAD5	5.898192	5.991476	5.991476	5.604626	5.949009	5.137074	6.761012	5.772869	5.112525	5.979645	5.103629	5.943734
ATF6B	5.29106	5.469493	5.354131	5.379587	5.855433	6.479289	5.83368	5.804153	6.8371	5.784801	6.046751	5.164798
ATG2A	7.810678	7.573343	7.755022	8.010294	8.62985	9.317212	8.738654	8.704398	8.603316	8.384374	9.00803	8.433527
ATG2B	6.6898925	6.0389355	6.534659	6.2084895	6.158468	6.535542	6.1925925	6.101002	6.410577	6.0766635	5.7608295	5.7869065
ATL1	8.217957	7.710736	8.526825	7.348726	4.130824	5.772591	4.033462	4.088474	6.067879	5.210688	4.399534	4.765308
ATL2	5.753857	5.6372	5.618104	5.939331	6.381806	6.52633	6.505665	6.26148	6.561944	5.834945	6.015502	5.874467
ATL3	8.588971	8.402188	8.48253	8.947212	8.284353	7.827823	8.643284	8.345643	7.165722	7.871904	8.087197	7.68294
ATMIN	7.972444	7.698445	8.169683	8.305426	8.240378	8.539377	8.401349	8.28041	8.620463	7.718438	8.7505	7.869978
ATP10B	4.573424	4.327914	4.363181	4.397063	4.4905525	4.126335	4.3517575	4.4691265	4.101718	4.4382605	4.5073525	4.396097
ATP13A3	9.436408	9.1736415	9.554256	8.8030335	7.482359	9.0563495	7.878627	7.650253	8.7176945	7.362081	7.139054	6.9120875
ATP2C2	4.568601	4.364823	4.36639	4.298261	4.251034	4.569905	4.441188	4.456757	4.056442	4.298261	4.489427	4.20005
ATP6AP1L	5.3619965	4.9123025	5.430542	4.6082695	4.557332	4.3303675	3.9483775	4.4096375	4.8338285	5.7191365	5.8495645	5.4952845
ATP6V0E2	5.491343	5.619077	5.969622	5.904727	6.722424	7.317291	7.55084	6.622016	7.743755	7.387967	6.705706	7.66749
ATRIP	6.233137	6.274897	6.255643	6.726855	6.476414	6.411248	6.773664	6.183053	5.822019	6.151358	6.483942	6.396669
ATXN1L	7.9057265	7.6654295	8.048039	7.6068725	8.0754235	7.876583	8.0206015	7.943396	8.5452065	8.5020925	8.796461	8.540893
ATXN3L	2.863722	3.32975	3.064115	2.677666	2.814984	2.85131	2.691026	3.020137	3.109398	2.725478	2.87347	2.834748
ATXN7L1	4.7070005	4.713902	4.5458275	4.8006895	5.148778	5.492204	5.662644	5.1894465	4.764338	5.0322795	5.176043	4.71084
ATXN7L3	7.714213	7.773139	7.392443	7.470318	7.688893	7.670642	7.760441	7.594191	7.824957	7.932648	7.372863	7.86555
AVL9	4.8489185	5.2741515	4.832807	4.8552225	4.916755	4.856416	4.8995695	4.7049035	4.7755085	4.899726	5.0688195	5.2085925
B3GNT2	6.859901	6.049038	7.272056	6.77444	6.35882	7.670525	7.640996	6.427235	8.422858	5.097853	6.774277	4.745003
B3GNT8	5.36476	4.810892	4.771695	5.101471	4.337891	4.256309	3.680179	4.294264	4.34193	3.82884	4.378638	3.806702
B3GNT9	7.765914	7.573503	7.877605	7.609028	7.057415	6.450587	6.064346	6.833022	6.926788	6.738075	7.068684	7.080371
B4GALNT1	4.755459	4.4876075	4.6997355	4.7524805	4.638865	4.5614165	4.555249	5.004809	4.5069955	4.8302515	4.8358135	4.86642
B9D1	6.350055	6.717567	6.842805	6.684124	7.340032	6.77917	7.063076	7.341166	6.249546	7.023823	7.131812	7.136672
B9D2	6.525885	6.362647	6.469031	6.533262	6.358921	6.481123	6.074675	6.351178	5.880601	5.751089	6.339123	5.112293

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
BAG2	6.235745	5.838815	6.351783	7.010524	6.224838	7.460638	6.009909	6.784488	6.092753	6.465977	5.730292	6.323338
BAHCC1	4.712851	4.933492	4.749655	4.802145	4.896292	5.32415	4.678284	5.000359	4.799998	4.738126	5.09635	4.547019
BANF2	3.533227	4.069698	3.784339	3.899171	3.845413	4.114353	3.477344	3.903037	3.79047	3.492455	4.077747	3.603375
BATF3	6.177613	5.884188	5.912887	5.938052	5.811885	5.367886	5.706312	5.906512	6.447259	6.386143	5.583545	5.674802
BBS10	7.407164	7.156927	7.155974	7.889379	7.281687	7.752355	7.203761	7.3909	7.594999	7.186695	7.58399	7.364372
BCAR4	3.686931	4.055599	3.849176	3.909423	3.914946	4.253284	3.904672	3.915965	4.028953	4.068381	4.661283	3.55803
BCDIN3D	6.342392	5.385241	5.978913	6.42113	6.671812	6.528513	6.417062	6.629651	6.629276	6.31992	6.811965	5.98489
BCL2L15	4.394773	4.451931	4.052087	4.802145	4.299095	3.994633	4.243689	4.258966	4.224347	3.900519	4.223579	3.949636
BCO2	4.165683	4.34193	5.445908	6.137146	4.175058	6.889902	6.055868	4.392955	4.440583	5.739265	4.74272	6.392172
BDH1	4.9295245	5.2234995	5.06152	4.895806	5.853838	5.7293235	6.141554	5.7096905	5.4614305	5.9374435	6.110266	5.8249415
BEGAIN	4.603332	4.771756	5.077012	4.790792	4.511332	4.610533	4.395358	4.626166	4.826321	4.51186	5.060858	4.54938
BEND2	2.74071	2.755296	2.883983	3.058172	2.770646	2.626507	2.550654	2.619842	2.744522	2.57674	2.536919	2.74071
BEND3	6.192542	5.599961	6.24164	6.199669	6.34871	6.573063	7.057168	5.920273	6.335024	6.590896	6.652016	6.618733
BEND4	3.382347	3.445372	3.440958	3.44248	3.3856485	3.342131	3.3342665	3.414158	3.1988605	3.45884	3.3652455	3.2932005
BEND5	6.0347625	6.415294	6.320944	5.240578	4.122917	4.207984	4.072168	4.1236325	4.271176	5.3098025	4.1481755	4.5937805
BEND6	5.6713655	5.524253	5.575006	6.402944	4.768807	4.919992	4.347804	4.870468	4.8817565	4.590915	3.924006	4.030774
BEND7	4.58264	4.658955	4.300642	4.688233	4.837069	4.350768	4.65586	4.717261	4.602581	5.342354	4.192021	4.699072
BEST1	6.187674	5.967854	6.134767	5.050537	4.998783	4.820775	4.982171	4.925156	5.054172	4.662539	4.801898	5.020737
BEST2	4.725445	4.973138	4.489782	5.04436	4.491534	4.344059	4.721033	5.004315	4.441908	3.91362	4.792579	4.260052
BEST3	3.126215	3.111095	3.327654	3.074964	3.196275	3.527356	3.276945	3.087968	2.995377	3.184188	3.041492	3.176486
BEST4	3.327162	3.318922	3.293623	3.243291	3.365427	3.293827	3.182785	3.217674	3.312474	3.04879	3.478418	3.137481
BEX4	8.241233	7.22407	8.368666	6.115473	4.455571	3.181522	7.052074	4.171079	9.898085	8.488819	5.684671	6.418639
BEX5	3.639619	3.523244	3.625491	4.381275	3.866496	3.958048	3.921174	3.971392	3.876234	3.697795	3.845732	7.094937
BHLHE22	3.673189	3.7543365	3.7982775	3.53291	5.78594	3.521961	3.6462065	5.415598	3.6619505	5.0115415	3.8352045	3.2945365
BLID	3.756801	2.994066	3.395954	3.464237	3.440886	3.14291	3.498748	3.389676	3.313264	3.871511	4.051261	4.562514
BMS1	8.569303	8.062708	8.235632	8.636926	8.562944	9.230285	8.917129	8.452442	8.164716	8.613875	8.203124	8.483176
BPESC1	2.572167	2.638395	2.748687	2.835917	2.578779	2.515912	2.638395	2.606694	2.531159	2.532341	2.58667	2.55856
BPTF	7.999674	7.518611	7.544619	6.784394	8.143203	8.606606	8.258564	8.296146	8.106539	8.901872	6.620173	8.693396
BRCC3	8.295769	7.735193	8.113264	8.1828475	7.563	7.993629	8.1578665	7.553584	7.7962435	7.2605885	6.9137105	7.431224
BRD7P3	3.1446235	3.206641	3.3354735	3.055869	3.317788	3.1027355	3.1581055	3.196602	3.1529545	3.4887365	3.1870995	3.033725

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
BREA2	4.836533	5.227013	4.99914	5.117561	5.17369	5.599101	5.24254	5.065522	5.05647	4.875692	5.143422	5.236472
BRIX1	7.296279	6.890389	7.343942	7.651576	8.484484	8.711689	8.876044	8.234642	7.681454	7.564177	7.964454	7.988602
BSPRY	4.389173	4.506977	4.623733	4.384192	4.581378	4.4808585	4.5706125	4.6519385	4.7522795	4.275241	4.6785265	4.308191
BTBD16	3.738645	3.856725	3.75369	3.622502	3.904634	4.287161	4.130381	4.031054	3.660069	3.905215	3.866788	3.340557
BTBD17	4.10547	4.335331	4.106561	3.951293	4.135398	4.239264	3.982587	4.146892	4.155198	3.903594	4.060949	3.998827
BTBD2	7.113165	8.459652	7.167999	7.709095	6.134715	5.916982	5.765679	5.733317	5.870254	5.844008	5.891977	5.843622
BUD13	7.173019	7.112069	7.27395	7.354055	6.781168	6.189677	7.100958	6.604717	6.468242	6.965107	6.686558	6.94964
BUD31	7.405292	7.2611935	7.321709	7.5795555	7.452809	7.3117395	7.2681745	7.3052635	7.543248	7.1309505	7.7412985	7.180604
C1QTNF9	2.536477	2.475646	2.556119	2.394918	2.857492	2.591834	2.689579	2.786045	2.369349	2.464175	2.640193	2.55856
C2CD2	8.665662	8.457273	8.784626	8.86683	7.810572	6.589249	5.628417	7.56609	7.137191	8.353141	8.211368	7.527357
C2CD2L	4.9252875	4.977444	4.908749	4.9347355	4.8042385	5.03916	4.900608	4.855208	5.0683395	4.454625	5.0770655	4.7264345
C2CD3	6.305455	6.1062255	6.065036	6.46206	6.3192215	5.994805	6.2506295	6.4819465	6.3731455	6.1932	6.279933	5.916308
C2CD4A	3.964399	3.873522	4.070476	3.695953	5.90889	4.596393	7.496805	5.687115	3.868196	7.980679	4.58987	9.310275
C2CD4B	4.5389335	4.945947	4.7481205	4.3765625	4.095609	4.105287	4.127944	4.1673785	4.1035785	3.766484	4.2024845	3.9321575
C2CD4C	5.446966	5.584543	5.64367	5.637747	5.70947	5.656422	5.932599	5.694766	5.98489	6.259627	5.770722	6.033183
C4B	3.38502	3.760095	3.872082	3.994249	4.085017	3.920205	3.966393	4.135873	3.862321	3.801838	3.966984	3.488703
CADM1	3.611879	3.660308	4.085568	3.946556	3.355201	7.082254	3.690627	3.707495	6.2265	4.582488	4.250588	4.005903
CADM2	2.500917	2.720489	2.701396	2.827607	4.870794	2.842082	3.115392	4.572902	4.645803	3.98348	2.633051	4.304382
CADM3	5.286126	5.4509115	5.266937	5.288612	5.249639	5.4060755	5.0711645	5.2595125	5.1248325	5.0887785	5.1546815	4.5252165
CADM4	4.433164	4.39281	4.538111	4.278157	4.298312	4.281613	4.46602	4.288661	4.532215	4.861749	4.678009	4.32236
CALHM1	4.52263	4.743088	4.553811	4.70103	4.945215	4.80003	4.683747	4.749044	4.394554	4.467358	4.50271	4.711151
CALHM2	8.8850065	8.8337155	9.1219495	8.7647675	9.4981825	7.115448	8.157777	9.2603985	7.3322105	7.654135	8.3209625	6.8037305
CALHM3	4.215092	4.625489	3.268266	4.300817	6.181197	5.469953	4.932879	6.166858	4.34707	3.776501	5.287391	4.018398
CALY	3.93076	4.694692	4.298848	4.375599	4.58108	5.119964	5.00808	4.721206	4.145548	4.037528	4.4505	4.182802
CAMLG	10.04996	10.42203	10.19151	9.97673	10.16035	9.810964	9.994965	10.0564	9.710951	10.4453	10.33914	10.64526
CAPN14	2.352104	2.551173	2.554657	2.654564	2.269557	2.45194	2.322865	2.522291	2.606153	2.476719	2.52915	2.440022
CAPN6	3.174423	3.101668	3.175853	3.088809	3.34357	3.088809	3.334998	3.143589	3.254053	3.399969	2.962577	3.69519
CAPN8	3.148138	3.98394	3.701122	3.692111	3.585439	3.696477	4.56814	3.357151	3.370159	3.334017	3.430253	6.049703
CAPRIN1	7.7711105	7.073326	7.50742	8.004324	8.6053595	7.9780755	8.2211105	8.538635	8.2639465	8.745919	8.3247205	8.434302
CAPRIN2	7.3060505	7.6747245	7.486138	7.0467115	7.0266695	7.164151	7.355595	7.165722	6.8530215	7.2057125	6.6842615	7.501418

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
CAPZA1	6.9221335	7.192111	7.135264	7.1150965	7.5427535	7.486033	7.5045395	7.509826	7.2903595	7.364845	7.56886	7.314908
CARD16	3.582319	3.513292	3.107151	4.531179	5.828514	5.380332	5.1818965	5.6438935	4.502015	6.197812	5.89473	5.881152
CARD18	3.781822	3.415956	3.259669	3.547646	3.5048	3.417334	3.511936	3.701784	3.431829	3.5048	3.590632	3.181911
CARS2	4.624598	4.870794	4.834544	4.883535	4.872925	4.524096	5.131865	4.573882	5.077797	4.580016	4.68173	4.841085
CARTPT	5.500283	5.851747	5.534554	5.581033	5.639722	5.52103	5.643078	5.536365	5.71647	5.462605	5.570768	5.600744
CASS4	3.2683775	3.541933	3.2650455	3.8041235	3.0923875	3.0787775	3.1328875	3.135536	3.304474	3.0049315	3.240216	2.788795
CATSPERB	3.0312165	3.1218375	2.9629745	3.1981995	3.069737	2.9658295	3.0053805	2.9907525	3.198975	3.0232355	3.25797	3.078254
CBY3	3.280313	2.898485	2.614295	2.94371	2.762311	2.871248	2.875343	2.972892	3.025811	2.77054	2.887211	2.919592
CC2D2A	4.5953585	4.3743045	4.0511215	4.8700555	5.2422065	4.646403	4.7426615	5.0182705	4.93318	4.427256	5.1179015	4.4720765
CC2D2B	5.271544	5.63969	5.164024	5.28628	4.946146	5.027687	4.764668	4.903746	4.818799	4.536377	4.841035	4.725988
CCAR1	7.507133	7.157345	7.025844	8.098054	8.733311	9.090544	8.628753	8.770555	8.176172	8.035695	6.973739	8.172069
CCDC102A	6.765201	7.283284	7.125841	6.525073	6.320675	6.890506	6.080369	6.436299	6.521178	6.011316	6.365276	6.631187
CCDC102B	2.390797	2.400515	2.282821	2.424103	2.651016	2.169374	2.345789	2.629887	4.941439	4.467638	2.318329	3.586673
CCDC105	5.489302	6.015486	5.462934	5.789914	5.935531	5.561517	5.700663	5.857306	5.528621	5.303073	5.888122	5.398368
CCDC106	5.012921	5.792868	5.192439	5.477553	6.144585	5.427515	5.990479	5.843397	6.273229	6.046212	5.633204	5.773267
CCDC107	7.048835	6.767862	7.449311	7.049166	5.786523	5.98489	6.103342	5.790403	6.427987	6.228179	6.153627	5.958603
CCDC112	4.600709	3.92644	4.329329	4.625171	4.617595	4.651147	5.221487	4.392954	4.632739	4.830371	3.569432	5.38223
CCDC113	5.307706	4.715732	5.557207	5.262699	5.327861	7.035043	4.494552	5.269735	7.64669	6.890934	8.247099	5.838341
CCDC114	3.568377	3.68598	3.360152	3.120288	3.279756	3.398697	3.265177	3.33095	3.409077	3.212283	3.163473	3.262829
CCDC115	7.679212	8.208364	8.162942	8.2079	7.89896	7.724009	7.93611	7.702652	8.793652	8.214222	8.766228	7.998225
CCDC116	4.967657	5.371492	4.756094	5.096029	4.985972	4.915526	4.842953	4.933757	5.026723	4.861256	4.973823	4.87822
CCDC120	4.237472	4.2467035	4.3850535	4.3026405	4.318381	4.337095	4.241815	4.4767165	4.4049745	4.510275	4.392166	4.193888
CCDC122	3.5406935	3.063432	3.500656	3.2689315	3.6414055	3.2015305	3.4590015	3.64724	3.422545	3.6859165	3.500588	3.19175
CCDC124	6.011888	5.8303535	5.6415465	5.8771985	6.1468845	6.6996065	6.2641385	5.995079	6.4849985	5.8268675	6.4056415	5.828115
CCDC125	4.4280635	4.6451245	4.4461465	4.5320495	4.897786	4.740313	4.7154105	4.8015535	5.771179	4.9066225	4.725859	4.823835
CCDC126	5.759537	5.349395	6.2008025	6.2033415	6.883974	8.0203765	7.6905125	6.935888	7.11389	6.4269155	6.5204515	6.6497415
CCDC130	7.652576	7.513808	7.697634	7.439311	7.36369	7.120174	7.265139	7.351854	7.524784	7.854308	7.947374	7.911257
CCDC134	4.753442	5.124899	4.741043	5.306701	5.089581	4.907685	5.164177	5.26319	4.828662	5.055862	4.58867	4.893042
CCDC136	4.691142	5.260159	4.67303	5.213988	3.863256	3.721199	3.647499	3.729167	3.951932	4.04038	4.115283	3.880202
CCDC137	7.267464	7.466213	7.223641	7.493494	7.68052	8.24368	8.129849	7.56938	7.058599	7.605412	7.761241	7.567373

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
CCDC138	5.221678	4.9722835	4.9732015	5.9512025	6.330964	5.852197	6.4718965	6.29639	5.9323025	5.9824045	5.270306	6.1256895
CCDC140	3.837226	3.777519	3.27532	4.121762	3.21343	3.424973	4.935425	3.524352	3.376666	4.414269	3.61107	3.137481
CCDC141	2.360209	2.392198	2.7675155	2.5568885	2.3717735	2.5050455	2.311725	2.3833825	2.318514	2.431544	2.311908	2.3769485
CCDC142	4.494219	4.529981	4.638534	4.09237	4.654409	3.946527	4.892225	4.534688	4.110721	4.706584	4.309646	4.920332
CCDC144A	3.0773585	3.161963	2.945618	2.8195305	2.947868	2.873947	2.783933	2.80043	2.905076	3.057212	2.799428	3.2808565
CCDC146	4.428491	4.566077	4.831552	4.726737	4.605977	4.30796	4.219931	4.619331	5.495013	4.967168	4.050567	4.373463
CCDC148	3.286972	3.3936935	3.4275865	3.3956865	3.6713815	3.914343	3.2763325	3.66012	4.5005015	3.344616	3.290062	3.375142
CCDC149	5.737993	5.857319	5.835604	6.18144	5.416116	5.352903	4.845983	5.517227	5.539648	5.317077	5.411638	5.183281
CCDC15	5.5073235	5.1379625	4.827926	5.3615995	4.657098	4.4790325	4.9438025	4.6074505	4.7849795	5.1612925	4.893377	4.8886985
CCDC150	4.364402	4.347711	4.226284	4.052746	4.142423	3.66132	4.0053	4.138799	4.051049	4.194471	3.676058	4.103519
CCDC151	5.598281	5.967155	5.864709	5.183293	5.498308	5.444351	5.25236	5.642447	5.297692	5.319577	5.541482	5.174839
CCDC152	6.2461135	5.8561775	5.848888	5.972177	6.2349875	6.6490005	6.3293215	6.1991515	6.4438815	6.881726	5.885962	8.330262
CCDC153	3.735565	4.383586	3.831252	4.172058	3.945508	3.869993	3.744202	3.666697	4.170431	3.820421	3.729633	3.831252
CCDC155	3.583408	3.476635	3.372054	3.329851	3.491257	3.452381	3.331824	3.745251	3.216919	3.106967	3.424735	3.308431
CCDC158	3.226341	3.2545515	3.2666825	3.388667	3.4206305	3.3306085	3.2946825	3.343809	3.4428215	3.347223	3.4829445	3.0649545
CCDC26	2.597185	2.636444	2.488945	2.668761	2.633152	2.690332	2.658173	2.659481	2.589933	2.567156	2.683195	2.834748
CCDC39	3.031025	2.747111	2.605776	2.807593	2.909292	2.769251	3.26617	3.069617	2.954613	2.773611	3.056924	3.271684
CCDC40	4.396091	4.200932	4.342988	4.26471	4.38331	4.246428	4.321418	4.333216	4.434648	4.185091	4.585077	4.112449
CCDC61	4.242613	4.768225	4.588988	4.586437	4.676354	4.329197	4.341546	4.458845	4.141461	4.163158	4.653826	4.100574
CCDC78	3.91254	4.265344	3.875226	3.870557	3.352112	3.388347	3.461513	3.722163	3.674036	3.807896	3.752443	3.873289
CCDC80	11.58173	12.11406	11.18353	10.88526	8.4366	10.3674	8.446724	8.512153	7.474977	7.749652	9.544433	8.405496
CCDC81	3.219216	3.676835	3.585867	3.782156	4.225224	4.264206	6.854866	4.638211	4.557254	5.102594	4.037385	5.837101
CCDC82	5.982877	5.6654465	5.711553	5.9749585	5.8554605	5.7242505	5.711068	5.8180585	6.432355	5.5948375	4.860432	5.3480595
CCDC83	2.476714	2.647934	2.688722	2.670358	2.582809	2.688415	2.69906	2.68634	2.603795	2.77147	2.51405	2.534048
CCDC84	7.606264	6.962915	7.545262	6.878656	8.105651	7.68296	7.860569	8.303391	7.156616	8.370739	7.837627	8.316639
CCDC85B	5.984479	6.280303	6.127561	5.530496	5.584106	5.937814	5.748066	5.952336	5.814727	5.952415	5.950927	5.614898
CCDC86	8.916315	8.740752	8.65062	8.578683	8.897499	10.00391	9.767906	8.811641	8.646617	8.299301	10.0274	8.602938
CCDC87	4.869672	5.042186	4.900783	5.015582	4.999172	4.984531	4.986284	4.944491	4.717079	4.710107	4.908516	4.850863
CCDC88A	4.701965	5.080336	4.833951	4.283016	5.098507	4.8023805	5.178466	5.024677	4.8598945	4.640351	4.369306	4.830094
CCDC88B	6.523873	7.028969	6.626774	6.763189	6.451143	6.148049	6.369464	6.589619	6.406847	6.025419	6.730753	5.725513

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
CCDC88C	3.258374	3.478902	3.1056905	3.4277635	3.25063	3.7928225	3.0338	3.153287	3.5765475	3.579874	3.783637	3.521153
CCDC89	3.681182	3.525116	3.469134	4.084194	4.481246	3.222116	4.813957	4.631001	3.729725	3.321821	3.566883	2.835054
CCDC92	9.535932	9.484741	9.615414	9.645119	8.285643	6.442681	7.009112	8.281306	8.481345	8.123862	6.344182	7.677605
CCDC93	7.0516355	6.454024	6.5849485	6.485304	6.886416	6.5987165	6.013619	7.269621	6.2800355	6.643708	7.2746805	6.4256825
CCDC96	5.074292	4.763949	5.226022	5.155219	4.66505	4.777444	4.7003	4.965396	4.967551	4.279821	5.132276	4.54222
CCDC97	6.1134	6.308445	6.213419	6.389243	6.140938	6.140691	6.194396	6.03521	6.151627	6.030695	6.162563	5.864344
CCNJL	4.299138	4.071536	4.071536	4.001745	3.919039	4.115882	3.919078	3.795478	4.058461	3.753439	4.059797	3.978256
CCNO	5.166531	4.942516	5.525496	5.027705	5.690468	5.700109	8.213927	5.858389	5.525083	6.700984	5.963513	6.725677
CCNYL2	3.086297	2.954455	3.050923	3.019109	3.029011	3.60705	3.169787	3.258108	3.863702	2.83893	3.301591	3.162026
CCT8L2	4.080896	4.355126	4.006617	4.432645	4.072603	3.944029	4.02246	4.113084	4.050703	3.758237	4.241658	4.017566
CD163L1	4.554308	4.744163	4.562238	4.757956	7.459111	7.43123	4.97674	7.687912	5.985844	4.233427	8.010661	4.110705
CD27	5.190267	5.472891	5.315662	5.300898	5.161932	5.802363	5.174839	5.528877	5.128066	5.058913	5.350235	4.999156
CD28	2.696255	2.844849	2.772523	2.750476	2.80834	2.684219	2.583072	2.787115	2.850364	2.645763	2.959068	2.74025
CD70	7.035255	7.224693	6.788946	6.410802	10.62055	10.89227	11.12148	10.59413	9.513622	10.77463	11.08979	10.62502
CD93	4.0347335	4.3099645	3.9136465	4.321971	4.495166	4.4437225	4.4367655	4.5633835	4.394488	4.1271255	4.28455	4.4935235
CDC123	10.20852	9.66504	9.946609	10.17652	10.74115	10.90758	10.68064	10.69344	10.23712	9.913789	10.57352	9.872965
CDC14C	2.311234	2.300905	2.414155	2.60652	2.328778	2.469828	2.193594	2.421746	2.307279	2.225474	2.469849	2.434983
CDC20B	2.634868	2.818507	2.945799	2.620366	2.704287	2.859426	2.711977	2.685161	2.658232	2.653056	2.816287	2.682421
CDK2AP1	12.62206	12.44832	12.39345	12.65177	12.26926	12.25918	12.91299	12.16208	12.20709	12.44267	11.41896	12.20554
CDKN2AIP	7.188653	7.227627	7.555523	7.361269	7.477451	7.872931	7.696469	7.415355	7.618106	7.25124	7.769775	6.911388
CDKN2AIPNL	5.5838075	5.657205	5.1692615	5.8709375	6.1272215	5.918407	6.1878425	6.0640185	5.754218	5.7523005	6.107163	5.4198995
CDNF	3.301305	2.845147	3.156594	3.012169	2.982387	3.631408	2.910486	3.009617	3.950562	2.888366	3.176548	2.698089
CDRT15	4.610445	4.991565	4.436655	4.560131	4.634066	4.719282	4.246389	4.87241	4.764668	4.168011	4.914194	4.152217
CDRT15L2	3.292741	3.484642	3.565093	3.399272	3.731957	3.765538	3.500852	3.632479	3.550077	3.431876	3.467207	3.229062
CECR2	4.168622	3.973122	3.992049	3.844801	3.966395	3.697561	3.946033	4.074674	4.699199	3.787555	4.121841	4.270643
CECR7	5.4897535	5.7347185	5.927372	5.6055025	5.539474	5.646118	5.5699515	5.425604	6.648095	5.4024575	6.019486	5.5678555
CELA2B	3.901994	4.524577	4.565943	4.3538	3.756954	3.834154	3.56687	3.745541	3.505265	3.36668	3.737214	3.468892
CELA3B	4.981605	5.626017	5.188229	5.573236	5.632512	5.573236	5.36211	5.713597	5.063608	5.048964	5.053542	4.873062
CELP	5.164865	5.31316	5.106897	5.27187	5.083621	5.29768	5.001007	5.124017	5.030186	4.731363	5.097388	4.310129
CEND1	6.797706	7.194196	6.736628	6.561671	6.771572	6.547498	6.753773	6.660375	6.535182	6.484228	6.772966	6.682855

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
CENPBD1	6.718459	6.734197	6.683276	6.97246	6.9107545	6.265549	6.537216	6.9881065	7.483369	6.580402	7.0055305	6.3523845
CENPK	8.030238	8.339752	8.273365	8.587021	8.677704	5.929749	9.593505	8.457723	7.687224	8.216091	6.012378	7.702794
CENPL	7.0253445	6.575344	6.9003925	6.9969055	7.3922955	7.6605045	7.9073375	7.196052	6.682767	6.430897	7.9246315	6.094097
CENPN	7.572572	6.962464	7.353602	7.801389	7.2255995	7.2378925	7.7946105	6.9554385	6.2103515	6.3996405	6.4819305	5.979591
CENPQ	6.683659	6.39403	5.607641	6.922349	5.937435	3.792338	6.837794	5.717298	6.665531	5.766986	4.156693	5.056054
CENPT	5.2199815	5.921116	5.4960425	5.7995705	5.094681	5.544562	5.1969315	4.933237	5.045279	5.1663715	5.328252	5.045587
CENPV	6.212696	7.13284	7.274446	6.920157	7.21005	7.41806	8.247774	7.212152	6.241855	8.18164	6.632339	7.73101
CEP120	6.9126515	7.1054345	7.067328	6.9784215	6.6435305	6.313872	6.6402605	6.4678665	7.2548935	6.497707	5.5814775	6.147915
CEP350	7.635631	6.905396	7.1901295	7.036665	6.7336485	6.6955175	6.993376	6.6785705	6.538258	7.0101395	5.7269215	6.968154
CEP78	6.693984	6.679306	6.627453	7.048946	7.208145	6.543625	8.751291	7.181965	6.494296	7.412352	5.95284	6.952372
CEP97	6.046914	6.022364	5.408447	6.070343	6.272785	6.367775	6.539588	6.335388	6.118472	5.843396	5.291845	5.376948
CERCAM	7.60145	8.03336	7.659903	7.599067	5.9098445	6.1005785	5.778182	5.7197125	6.2054175	5.9166835	5.802065	6.0103335
CFC1B	4.821344	5.289237	5.495785	4.960809	5.116064	5.014058	4.629884	4.998456	4.940594	5.012214	5.179844	5.108742
CFP	3.512171	4.021027	3.436008	3.548774	3.684809	3.437413	3.696616	3.760669	3.515972	3.612594	3.760413	3.749986
CHADL	5.206909	5.855115	5.450048	5.348544	5.358804	4.990581	5.011853	5.176394	5.204751	4.833413	5.461345	4.960771
CHCHD10	8.750876	9.194089	8.757908	8.787318	9.313812	9.519586	9.705654	9.025875	8.331208	9.881495	9.36905	10.11818
CHIT1	3.691886	4.363098	3.815153	3.61981	4.056761	3.87285	3.816987	3.946931	3.733033	3.414973	3.660188	3.322619
CHMP1A	8.322239	8.456467	8.399883	8.779876	8.345648	8.561678	8.221222	8.214593	8.153186	8.168233	8.144494	8.346144
CHP2	4.392351	4.152473	4.435909	4.416121	4.518013	4.248933	4.455662	4.783089	4.433583	4.456854	4.428753	4.400664
CHPF2	8.712793	8.6552795	8.759192	8.9255465	8.4697695	8.7840355	7.8606025	8.5027495	8.1994705	7.985047	8.0085225	8.0290975
CHRM3	3.927415	3.822786	3.69058	3.959707	3.959795	3.872641	3.7844765	4.0383625	3.9920935	5.7818955	3.669105	4.996719
CHRNB4	2.903551	2.911863	3.10904	2.915166	2.876389	2.882762	2.823751	3.021638	3.184101	2.927721	3.140553	2.60404
CHST14	8.266544	8.517706	8.783869	8.435337	8.106945	7.348258	7.984422	8.078689	8.135878	8.714283	7.456593	8.251095
CHST15	4.3423995	4.776873	4.4279395	5.2609505	4.1938335	6.0138565	4.314758	4.633044	7.1359395	5.772323	5.136268	6.747656
CHSY3	5.766779	4.167683	3.825053	6.132261	6.7986	6.204771	8.210196	6.720732	7.022241	7.042371	7.495148	6.815377
CHTF8	9.111487	9.267768	9.410452	9.50596	9.215167	9.307012	9.523567	9.04753	8.933296	9.455764	9.57088	9.252835
CIR1	6.574162	7.065682	6.771583	7.103879	7.396294	7.293228	6.906612	7.509796	6.952253	7.161076	7.256304	7.423024
CISD1	8.678428	8.611973	8.435297	8.911358	10.7417	10.23302	10.46254	10.80829	9.740314	9.31322	10.06839	9.425068
CISD2	7.644236	7.700735	7.426962	8.057026	8.049225	8.241188	8.488844	7.939948	8.801495	6.71387	7.264478	6.760919
CISD3	5.9435395	5.8119475	5.9180765	6.170474	6.211554	7.0478925	6.562506	5.9624785	5.6801245	5.7205445	6.3088445	5.668372

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
CKAP2L	8.803082	8.456984	8.139882	8.773302	6.678679	5.051456	7.935031	6.237928	6.241583	6.365457	5.389445	6.066333
CLDN11	5.6219615	5.215143	5.048525	5.539798	5.372065	5.302973	6.26896	5.2620825	6.5874305	5.9426255	5.243285	5.699366
CLEC16A	5.5578335	5.6282035	5.803174	5.916587	5.9178245	5.675229	6.0272425	5.8074955	5.868747	6.346764	6.0806145	6.282521
CLEC2L	5.272596	5.54348	5.264088	5.346466	5.342863	5.448057	5.651073	5.178653	5.318606	5.159371	5.526627	5.654052
CLEC4GP1	3.810719	3.83326	3.913653	3.923028	4.024697	3.680829	3.950562	3.911943	3.8498	3.834466	3.868778	3.595216
CLECL1	3.6348925	3.9012265	3.650505	3.730308	3.4586035	3.5783095	3.525434	3.702611	3.3661255	3.724396	3.4323375	3.6262695
CLINT1	8.3127	8.538559	8.856299	8.31832	9.164248	9.200134	9.213712	9.204552	8.647553	8.409745	8.610209	8.448679
CLIP3	7.290816	7.9334195	7.896266	6.955885	6.163572	5.411162	5.70648	6.068829	6.0834015	6.20459	5.4988535	6.005624
CLIP4	7.391256	7.664481	8.244203	8.1736145	8.258234	9.4368805	6.2067325	8.5564255	8.4145645	6.454279	8.4153115	5.9937635
CLNK	2.573949	2.735631	2.632908	2.765279	2.573949	2.513109	2.71145	2.525033	2.789834	2.578105	2.591835	2.686129
CLP1	7.060828	6.865019	7.083466	7.1437605	7.1827815	7.4691415	7.183753	7.2154065	7.076762	6.8083395	7.484136	6.6253605
CLPTM1L	8.88166	8.463845	8.961301	9.354225	9.737741	10.27633	9.90255	9.717939	9.168854	9.564272	9.89504	9.627714
CLRN1	3.525867	3.730799	3.39027	3.537435	3.464621	3.572526	3.614023	3.416999	3.510223	3.691774	3.601847	3.472462
CLVS2	3.091116	3.056259	2.668176	3.137481	3.125515	3.057204	4.97479	3.147569	3.168416	4.090763	3.113035	3.31725
CMBL	8.923932	9.215187	8.995452	9.392484	9.678903	9.294553	9.172078	9.624611	9.000486	9.425993	9.225091	10.02553
CMC1	8.696082	8.775269	8.304248	9.022558	9.595164	9.409885	9.796061	9.547056	9.060143	9.007843	9.880301	9.147362
CMPK1	10.23422	10.32152	10.32418	10.64362	10.18729	11.06632	10.18217	10.20911	9.923924	9.142933	9.931576	9.011414
CMPK2	4.687305	3.353211	3.99862	3.790592	5.03994	2.953128	3.568141	4.56098	10.57901	4.048583	10.10353	3.722083
CMTM6	7.6179155	6.95306	6.9794415	7.542801	7.7706335	8.3142815	8.1957385	7.9168045	7.787488	7.5182635	7.9583975	8.0168635
CNPY1	2.773202	2.451	2.801805	2.648323	2.811628	2.720403	2.762558	2.671088	2.800515	2.720403	2.494384	2.569591
CNPY2	9.182983	8.6931045	8.6798835	9.257902	9.8330715	9.823326	9.889828	9.872689	9.3253955	9.247093	9.7278775	9.2431395
CNPY3	6.674936	6.5202595	6.415165	6.818488	6.7921435	6.187652	6.6301155	6.482236	6.8001245	6.674385	6.4931945	6.3067225
CNPY4	6.272796	6.3932165	6.5665085	6.3606955	6.452089	5.620508	5.9158025	6.456718	6.329505	6.058442	5.9633195	6.08643
CNRIP1	10.23468	10.16246	10.08075	10.06518	9.836012	9.988487	10.00258	9.938772	9.004942	9.392179	10.59845	9.701408
CNTD1	3.752669	4.621183	4.432004	4.350489	3.979888	4.065289	4.029226	4.189767	4.055367	4.030896	4.200257	3.937022
CNTD2	6.642633	6.697399	6.663437	6.708148	6.650988	6.546487	6.457199	6.599278	6.596305	6.49639	6.659183	6.258678
CNTLN	4.9636275	4.8912815	5.464246	5.387229	4.9062905	4.9268095	5.404918	4.589258	6.0977525	4.808466	3.734183	5.3889455
COL14A1	3.541752	3.166542	3.551601	3.386101	6.193501	3.276694	4.616878	6.337419	4.786928	4.77993	3.053945	3.152057
COL28A1	2.9012725	3.128052	2.8015335	3.0552925	2.9023505	2.8242625	2.9307385	2.930461	2.885379	2.4972875	2.7707065	2.7573355
COL6A6	3.360853	3.030065	3.148028	3.4233485	3.079962	3.1202415	2.8668925	3.180113	3.082218	3.139721	2.8889645	3.081149

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
COPB1	11.59538	11.34253	11.45884	11.17643	11.05152	10.93642	10.64578	11.11362	11.14639	10.79217	10.10468	10.77576
COPG2IT1	4.228082	4.512388	3.770076	3.732386	4.172592	3.902122	4.340407	4.211487	4.509222	4.27982	4.05126	4.047814
COQ4	7.3583335	7.352081	7.1153485	7.7789065	8.1530475	7.850108	8.198652	8.195214	7.840045	7.801994	8.365954	7.879729
COX16	10.01864	10.0536	9.749929	10.57057	10.68473	11.01369	10.91301	10.64088	9.90588	10.31936	10.32597	10.46736
COX18	5.993773	6.0926595	6.358017	5.9508165	6.070333	5.9127525	6.4014005	6.0843615	6.2507205	6.161003	6.107116	6.154392
COX19	5.818582	5.478667	5.5227285	5.833662	5.6541785	5.7443985	5.325611	5.5197965	6.2010935	5.435706	5.5970825	5.903544
COX7A2L	10.63102	10.6075	10.62916	10.84585	10.68892	10.7794	10.6011	10.70757	10.96829	10.95426	11.33618	11.16856
CPOX	9.333412	8.909142	8.591522	9.674504	8.689684	6.959764	8.803261	8.656722	8.843184	8.195577	8.250956	7.617873
CPPED1	7.202123	6.734786	6.577283	6.94287	3.45672	4.52182	3.602932	3.400578	7.885159	3.900904	3.680271	3.960995
CPXM1	5.018497	5.303502	4.97479	4.868089	4.860524	4.456562	5.143067	5.044296	4.402865	6.597531	4.339773	8.028339
CR1L	3.057359	3.006169	2.759819	2.910829	3.114244	2.808429	3.306139	3.146246	3.068158	3.039291	3.118445	2.980495
CRCP	6.9271165	7.4750415	6.949331	7.361731	7.557109	8.105452	7.6232885	7.4588905	7.5337635	7.2945395	7.9155895	7.230238
CRCT1	3.048853	3.404129	2.947309	3.13833	3.040555	2.884224	2.971327	3.205991	3.185334	3.034557	3.161506	3.196225
CREBZF	6.5543705	6.689832	6.717411	6.0161355	7.525926	6.5076	7.7585475	7.3434775	6.884624	7.050931	6.609052	6.9693
CRLS1	5.457035	4.814786	4.855485	5.000492	5.63926	5.887608	5.870018	6.062146	5.405214	5.540055	6.304235	5.472389
CRTC3	6.344031	6.487669	6.862393	6.1657375	6.3231965	5.8830095	5.5255615	6.466793	6.091345	6.774652	5.9896805	6.4904655
CRYBG3	7.67523	7.599625	8.050625	7.716533	6.702747	6.728463	6.502129	6.843194	7.05671	7.745944	6.488225	8.180216
CSAG3	4.242613	5.010826	4.435989	4.168397	4.053509	4.089231	4.537344	4.407743	4.299828	3.826361	4.908625	4.961164
CSGALNACT1	5.072527	5.6662535	5.8461035	4.9596895	7.332985	6.9937585	7.535293	7.4273685	4.486903	7.0459915	5.9648865	7.7808385
CSGALNACT2	8.746614	8.845831	9.057734	8.75424	8.719696	8.484653	7.929749	8.799564	9.531188	8.289238	8.2178	7.423032
CSRNP2	7.5810615	7.1310165	7.596579	7.153435	7.1407815	6.560181	7.0628495	7.007161	7.306201	7.141187	7.196758	6.9357635
CSRNP3	3.5451225	3.4277815	3.3071735	3.683054	4.9207865	4.303315	4.6822905	5.127111	3.7903665	5.675636	3.7548035	5.858056
CTSA	10.59001	10.62826	10.49917	10.36981	10.43567	10.45229	9.216063	10.48915	11.10422	10.00258	10.62109	9.639958
CTU2	5.1824305	5.4822525	5.024797	5.026781	4.4860325	4.8212845	4.5716765	4.7094795	4.6647845	4.4506475	4.963697	4.434514
CUL9	5.665297	6.0176155	5.850696	5.801564	5.931178	5.9544215	5.7707415	5.878381	5.79571	5.9917465	5.9108145	6.1776545
CUX1	7.274779	6.440102	7.097624	6.598622	6.683526	6.453954	6.484123	6.524196	6.912888	7.555982	7.272677	7.475096
CUX2	3.9024005	4.124855	4.0566095	3.806267	4.1491145	3.9814535	3.995988	4.102123	3.988763	4.2898805	4.040877	3.8683895
CWC15	10.2912	10.20956	10.09324	10.09353	10.18625	9.832495	10.08963	10.08326	9.999044	10.08354	10.14533	9.972572
CWC22	7.589329	7.383025	7.468969	7.84427	8.093197	8.204064	8.331776	7.972096	7.663332	8.092899	7.0626	8.203314
CXCL17	5.712877	6.058731	5.701128	5.745541	6.00402	5.938859	5.884819	6.213153	6.064716	5.960403	6.074446	6.132245

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
CXCR1	6.44555	6.439086	6.490894	6.871406	6.696652	6.762321	6.61148	6.855607	6.589754	6.192971	6.638597	6.318861
CXCR5	4.5316265	5.02085	4.520187	4.602122	4.525315	4.626608	4.4373025	4.409452	4.4414115	4.405818	4.5544365	4.4486915
CYB561D1	7.416444	7.025485	7.512233	7.482152	7.162202	7.24231	7.124217	7.235751	7.424835	7.443601	7.943019	7.24255
CYB5B	7.183453	6.6712465	7.4159235	7.5369375	7.554711	7.84154	8.47872	7.4381555	7.920487	7.3304485	7.781474	6.9735185
CYB5RL	3.8688575	3.815104	3.9321395	4.1431195	4.300576	4.0308095	4.349927	4.3392835	4.289551	3.825941	4.2209805	3.676327
CYMP	4.984676	4.883355	4.78101	4.860871	5.163737	5.306184	5.275627	5.07541	4.864613	4.815163	5.355881	5.047061
CYP27C1	4.210974	3.520772	3.372053	3.576578	5.432354	5.458514	5.984889	4.885899	5.550195	3.986363	5.154102	6.358178
CYP4F22	4.099177	4.105319	4.036164	4.34227	3.805935	3.895892	4.0053	4.355841	4.200276	3.93274	4.368571	3.75678
CYTH1	6.412046	6.806552	6.8008085	6.5541675	7.0086985	6.620891	6.899746	6.892333	7.389436	6.8242915	6.925968	6.793704
CYTH2	5.951388	5.823668	5.954501	5.785416	6.176833	5.328083	5.6068	6.042568	6.412214	6.717467	6.135212	6.191
CYTH3	5.665523	6.16766	5.79773	5.414149	5.867156	6.5350385	5.566038	5.806941	5.522594	5.0055205	5.2972595	4.8571525
CYTH4	5.083143	5.866759	5.294541	5.699665	5.759419	5.479459	5.714756	5.861065	5.613667	4.803289	5.549744	5.03014
CYTIP	2.592638	2.555712	2.913503	2.751032	2.700773	2.768893	2.746272	2.627861	2.78973	2.68984	2.486961	2.480329
DACH2	2.401292	2.442724	2.673878	2.468319	2.482906	2.387731	2.534016	2.380773	2.487166	4.060691	2.350351	3.4488
DACT3	6.1882775	6.4127295	6.2493125	6.007423	6.9472335	5.3516915	5.9900285	6.890845	5.7766515	6.132988	5.8528415	6.11404
DAGLA	5.334388	5.309299	5.561099	5.790078	5.29743	5.807182	5.524356	5.140192	5.505743	5.203419	5.831955	5.407596
DAGLB	6.627266	6.6707745	6.488429	6.8988475	6.7500415	8.0618415	6.797573	6.75369	6.9548895	6.476494	7.040999	6.1516525
DAPL1	4.598351	4.917316	4.588395	4.420439	4.472334	4.326155	4.321418	4.392955	4.324977	4.624828	4.421988	4.332325
DCAF10	7.856787	7.8751645	8.113809	7.8560265	7.3259245	7.751875	7.353173	7.361905	7.6262755	7.6942825	7.4617635	7.65365
DCAF12L2	3.267207	3.247069	3.439604	3.409556	4.685953	3.039093	3.017673	4.197649	2.910513	2.992545	2.927566	3.251053
DCAF15	5.9088145	6.828109	5.6584465	5.904881	5.2853165	5.436321	5.6720485	5.2917715	5.4074935	5.223104	5.5635495	4.91368
DCAF16	5.024446	5.363934	4.756093	4.916406	7.151706	7.316582	7.168417	7.031584	7.251086	6.863694	7.273592	8.12777
DCAF4L1	2.659885	2.658436	2.381977	2.69171	2.848424	3.580938	3.17172	2.788689	2.692323	3.577249	3.058159	2.858829
DCAF6	8.59159	8.343318	8.857197	8.901175	8.649817	8.651164	8.079636	8.635385	8.522507	7.503517	7.696147	6.943639
DCAF7	7.284161	7.300004	7.254824	6.883108	7.449106	7.912695	7.957678	7.305882	6.571999	7.183013	7.287516	7.094088
DCDC2B	5.715398	5.892288	5.801393	5.240043	5.968609	5.934249	5.759124	5.827627	5.713803	5.819289	5.8522	5.650205
DCLK1	3.739629	2.9057595	2.9526975	3.625619	2.860825	2.9049715	2.8645095	3.098318	3.8589125	8.1872285	3.207175	5.964911
DCLK2	4.191703	4.184564	4.062195	4.235208	4.1371	4.183361	4.013715	4.263311	4.135241	4.72981	4.453847	4.07077
DCLK3	2.727425	2.528222	2.713374	3.048405	2.401836	3.249711	2.668328	2.679358	2.688393	2.832626	2.849507	3.188956
DCTPP1	8.664146	8.482492	8.728967	9.167608	9.133814	9.035929	10.15602	8.951789	8.972426	8.996105	9.906392	9.027445

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
DDRGK1	7.749331	7.599862	8.284464	8.188227	8.2512	8.560889	8.285255	8.189342	8.730944	8.404373	8.626831	8.021655
DDX60	6.943645	6.876514	6.613984	6.887726	6.87533	4.628034	8.442506	6.789678	10.45873	7.548748	10.0647	8.275456
DDX60L	5.750351	5.9258225	5.852582	6.1238425	5.86587	5.99894	5.6614785	5.9674545	8.326602	6.1036295	8.1628985	6.07551
DEF8	8.6242385	8.495939	8.5382075	8.483588	7.8121695	8.626977	8.1962765	7.756801	8.174158	8.5507505	8.284001	8.323387
DEFB132	2.57777	2.474117	2.373049	2.591834	2.502266	2.418381	2.453505	2.304077	2.544266	2.501009	2.567677	2.571735
DENND4B	7.887072	7.636319	8.202811	7.688313	7.417933	7.488106	7.720693	7.244717	8.238314	8.42942	7.699299	8.468984
DENND5A	10.65402	10.28991	10.52236	10.11612	10.18784	9.66256	10.12675	10.14754	10.43582	10.03653	10.02267	10.19708
DENND5B	5.017232	4.92209	5.138126	4.84514	4.0053	4.378789	4.92209	4.415687	5.875263	4.262694	3.999436	4.074269
DGCR10	4.0066015	4.2845365	3.67685	3.8208315	3.807032	3.809052	3.7626	3.856755	3.721791	3.693696	3.70055	3.546973
DGCR11	5.839019	5.818697	5.90765	6.244961	6.026719	6.121175	6.725775	6.090379	5.781824	5.85633	6.414454	6.181616
DGCR6L	4.617456	4.772331	4.570947	4.425583	4.271316	4.418562	4.370591	4.305006	4.636301	4.321353	4.493722	3.846486
DGCR9	4.947231	5.172339	5.461783	5.425054	5.021884	5.074204	5.111971	4.857107	5.152323	4.66013	5.114388	4.835713
DHRS11	4.920098	5.352634	4.867276	5.658357	6.566705	7.486355	6.882779	6.153632	5.230799	6.000972	6.722182	6.188494
DHRS12	4.386392	5.114388	5.322109	5.120618	5.14013	4.749991	5.076136	5.310268	4.929107	4.765345	5.166353	4.749991
DHRS13	7.088989	7.643304	8.331827	7.879361	6.671151	6.162534	8.483358	6.416251	6.601108	8.196228	5.898829	7.737665
DHRS7C	4.413431	5.022858	4.039878	4.10567	3.921799	4.112842	3.960406	3.859237	3.863476	3.898707	3.755126	3.893336
DHX58	5.628381	5.887307	5.523666	5.477518	6.027888	5.523665	6.053512	6.174555	6.492272	6.038269	6.940556	6.19326
DIO3OS	4.526967	4.8345725	4.5722075	4.6529755	4.7494565	4.8836095	4.780807	4.8635925	4.732595	4.47707	4.7940125	4.546166
DIS3	7.55611	7.0879625	7.4322955	7.126217	7.643549	7.8629725	7.406546	7.575582	7.0338265	7.1312405	6.5647095	7.0532465
DIS3L	7.232979	7.01437	7.962891	7.423539	7.259998	7.571	8.103367	7.011935	8.056155	7.314183	8.061146	7.781902
DIS3L2	5.3417765	4.9029675	5.7013645	4.7685415	5.3481235	6.0904665	5.440071	5.085718	5.4821375	6.271771	6.2035505	6.2357405
DKFZP434A062	5.836813	6.137888	5.9152225	5.8525275	5.758259	5.6280495	5.496813	5.827019	5.678233	5.687535	5.606312	5.3254965
DLEU2	3.3851105	3.4696375	3.424632	3.450297	3.760576	3.1175285	3.7956125	3.7902485	2.9711105	3.6326615	3.2364185	4.4019075
DLGAP5	8.897578	8.669178	8.324928	8.908763	9.470432	3.11261	9.932119	8.950038	4.767844	7.944736	5.385323	7.058848
DLK2	5.173089	6.079937	5.88196	5.792711	5.587934	5.682022	5.440489	5.665783	5.669055	5.679898	5.990409	5.514482
DMKN	6.571132	5.248816	6.566966	5.111393	4.170941	4.543226	4.587447	4.392955	6.007349	4.15639	5.174571	4.843981
DMRTA2	4.152674	4.06467	3.711953	3.907593	3.963722	3.866224	3.900753	3.696877	3.979132	3.716077	3.842621	3.445168
DNA2	5.481823	4.826481	5.614617	6.132013	6.352378	5.503078	7.315413	6.120756	5.793222	6.825097	5.026769	6.755052
DNAH14	2.466552	2.3398215	2.2695725	2.409138	2.477468	2.853463	2.480047	2.4952305	2.627752	2.7728325	2.3044375	2.9432325
DNAH2	4.6519885	4.800307	4.6406535	4.684713	4.843639	4.724699	4.8851445	4.9087175	4.6989065	4.906804	4.8774765	4.738039

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
DNAH6	2.920963	3.10457	3.07055	3.133838	3.187414	2.992205	2.9486475	2.923459	2.963475	2.931922	2.9607715	2.876248
DNAJC2	5.8716085	5.627682	5.671164	5.713942	6.2201435	6.0422985	6.4000715	6.083891	5.738807	6.1270855	5.8004575	6.2309345
DNAJC21	4.25839	4.262192	4.210091	4.564494	4.555627	4.766945	4.504813	4.349582	4.486157	4.048544	4.640683	4.818048
DNAJC22	4.1012835	4.387804	3.776514	4.230972	4.7991155	3.6932205	3.925975	4.7908315	4.259947	3.65475	3.8209965	3.796288
DNAJC24	4.118695	3.649574	4.148358	3.704067	3.776123	3.678691	3.567649	3.621999	3.813745	5.252941	3.5725	5.017673
DNAJC27	5.3079075	5.1623825	5.176763	5.290958	5.2419875	5.1337465	5.4613345	5.351682	4.85317	5.1011305	5.0732675	5.41117
DNAJC28	3.269119	3.547163	3.335799	3.550851	3.681953	3.499629	3.840775	3.863364	4.44528	3.667246	3.253999	3.173323
DNAJC30	5.335343	5.33204	5.450238	5.565351	5.319046	5.26416	5.031344	5.296632	5.295439	5.583927	5.383895	5.705634
DNLZ	7.441824	7.208522	6.958916	7.774903	7.708578	7.713553	7.747488	7.65421	7.931722	7.221569	8.305723	6.884307
DNM1P35	3.605401	3.48462	3.633018	3.692111	3.259874	3.222362	3.190203	3.039769	3.338681	2.86923	3.381429	3.257856
DOHH	5.415866	5.308297	5.151	5.17207	5.11245	6.074118	5.6944055	5.1225565	5.5368225	5.1136735	5.4338935	4.9569745
DOK7	4.134194	4.419847	4.174264	4.254083	4.86539	4.04406	4.058185	5.429764	4.421751	4.467935	4.520314	4.048963
DOLK	7.321652	6.786002	7.426962	7.441462	7.570205	8.152856	8.007943	7.599277	7.988401	7.305981	8.175756	7.230637
DPY19L1	4.381582	4.257723	5.078102	4.170803	4.380425	4.322497	4.142813	4.372232	4.505712	5.988789	4.549693	4.861049
DPY19L2P2	3.517656	3.319985	3.900518	3.82756	4.844277	4.062237	6.248315	4.408228	4.687839	5.791421	3.019051	5.2252
DPY19L2P4	3.205991	3.050828	2.708737	2.987177	3.250187	3.108776	3.265178	3.03528	2.961869	3.164811	3.168875	3.03874
DPY30	10.01542	10.16556	9.811543	9.876785	10.35276	10.47676	10.3092	10.29558	10.49449	10.00767	10.51608	9.726296
DRAM1	9.622356	9.496388	10.36066	9.96513	8.841648	11.13989	8.833478	9.232392	12.00477	9.269796	10.96771	8.975909
DSCC1	5.7086775	5.6743015	5.672529	6.0598135	5.985061	4.9363195	6.451435	5.916332	5.6386825	5.780891	5.2309475	5.656183
DSE	3.747239	3.988437	3.967125	3.798201	3.980772	3.734614	3.798201	3.732906	3.491719	3.315447	3.745774	3.137481
DSN1	6.970594	6.956414	6.472683	7.582454	6.822634	5.638672	7.216365	6.699185	7.013414	5.895678	5.697124	6.268646
DSTYK	7.293337	7.123824	6.994863	6.765564	7.144752	7.1444025	6.6036685	7.088422	6.182102	5.645503	6.806148	5.5590645
DTD1	7.9208055	7.7445735	7.995346	8.132641	7.30374	7.678413	7.798753	7.3474685	8.1334005	7.6137305	8.2017365	7.7186385
DTX4	5.066623	5.364627	5.462563	5.143856	5.486084	4.764669	4.623824	5.228706	6.082835	6.437403	5.220223	4.669065
DUOXA1	4.77531	4.8825915	4.8528235	4.9940735	4.8576685	4.8634235	4.756731	4.7357125	4.5696225	4.3835735	4.8637735	4.4326485
DUOXA2	5.500024	5.57423	5.575743	5.337353	5.398368	5.463086	5.741474	5.725294	5.195567	4.850764	5.546286	5.511808
DUSP28	6.590943	6.036183	6.461381	6.778568	6.941452	7.14064	7.01189	6.88745	7.410736	7.287538	7.955263	6.949241
DYDC2	3.996924	3.797862	4.268606	3.94054	4.017761	4.051852	4.128154	3.92739	3.888236	3.76948	4.41925	4.115403
EAPP	8.947979	8.849585	8.780083	9.022903	9.74721	9.734066	9.426071	9.758109	10.20886	8.648058	9.768749	8.726254
EARS2	6.4304655	7.1749	6.795567	7.155572	6.912653	6.9529365	7.718563	6.916852	6.4165715	6.7625045	6.8669935	6.903008

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
EBF1	9.016026	7.9915845	8.065368	9.067533	5.902644	5.4762085	3.895931	5.595671	7.735229	7.593249	6.881797	6.3192945
EBF4	4.968602	5.386602	5.405843	5.377447	4.592118	4.972153	4.630605	4.506409	4.866622	5.604908	4.702296	4.661275
EBPL	10.21595	10.24254	10.38124	10.22452	9.79017	10.79415	10.38796	9.64605	8.569244	9.9678	9.409478	9.655451
ECSCR	4.636369	4.844646	4.569494	5.011893	4.314909	4.463391	4.493614	4.67721	5.586018	4.417429	4.863662	4.197579
ECT2	7.119706	7.140213	7.190551	6.74499	7.614223	6.733613	8.108982	7.247936	6.206376	5.696783	5.951497	4.850764
EDC3	7.578397	7.3623415	7.156964	7.26965	7.2332935	7.335544	7.329028	7.1151055	7.0380485	7.215407	6.995881	6.975658
EDC4	7.361255	7.100342	7.310356	7.528403	7.351252	7.384137	7.740011	7.400361	7.184562	7.551476	7.195068	7.474221
EDEM2	7.181363	7.222179	7.135713	7.670155	7.886438	8.334272	7.734449	8.062923	7.411989	7.207012	7.811466	7.080371
EEPD1	4.422394	4.8842275	4.590579	5.1717975	4.8145275	4.930411	5.2531515	4.9342495	4.781193	5.0403525	5.4505105	5.3231315
EFCAB5	2.816355	2.9294955	2.809708	2.6841035	2.690767	2.672585	2.629629	2.805806	2.956442	2.8178105	2.704954	2.6576785
EFCAB6	3.269119	3.337829	3.32746	3.525212	3.058362	3.910341	2.992414	3.078854	3.089951	2.938183	3.365458	3.386333
EFCAB7	6.388834	4.938036	5.302443	6.153587	6.904154	5.870892	6.02037	6.757799	6.461058	6.595855	7.003284	6.038108
EFR3A	10.078454	9.830488	10.0721465	10.0211095	10.2357815	10.3212125	10.0141435	10.2741445	10.400948	10.042127	9.80455	9.875851
EFR3B	5.015474	5.113576	4.923765	5.174839	5.466491	5.2937	5.47538	5.457528	4.691784	5.688013	5.506504	5.649881
EGOT	3.909294	3.488648	3.53133	3.3708135	3.6261745	3.4518105	3.617528	3.7250865	3.5021945	3.343972	3.4750065	3.1724425
EHBP1L1	6.7054855	6.8252645	6.5556445	6.378227	6.4969375	7.249276	6.5069345	6.4953795	6.107917	6.5186415	6.917402	6.2417035
EID1	10.08228	9.955436	9.944052	10.6981	10.18827	10.67459	10.53987	10.40205	10.08368	9.513715	9.84127	9.942101
EID2	7.649665	7.490602	7.829436	8.041807	8.236293	9.109019	8.770335	8.356319	8.599393	8.111498	8.603008	8.084943
EIF1AD	6.8280655	6.684963	6.95789	7.3320355	7.219145	7.6408695	7.570543	7.145239	7.6096735	7.1302395	8.0790985	7.024367
EIF2AK3	5.786605	5.6954085	5.8374205	6.060879	5.992238	6.4566585	6.1717	6.067806	5.612005	5.961888	6.289211	5.840234
EIF2B3	8.730438	8.430107	8.375916	8.868502	9.053823	9.232137	9.809546	9.036316	8.572481	9.008913	9.434975	9.175756
EIF3A	10.25021	10.03807	10.16951	9.998475	10.18067	10.32161	10.38499	10.13761	9.726295	10.27995	9.860577	10.48547
EIF3B	8.420861	8.301977	8.3859265	7.7796995	7.445562	7.5897625	8.0498135	7.3607095	7.217321	7.9968905	7.343536	8.4753395
EIF3C	5.412084	2.877975	3.947037	3.078701	3.186858	2.90854	3.176188	3.078701	2.725924	4.816118	3.591011	4.247525
EIF3D	11.59732	11.5121	11.60314	11.4549	11.36387	11.21573	11.48052	11.422	10.94586	11.18484	11.86536	11.36523
EIF3E	9.1625575	9.251073	8.9330505	8.952215	9.6864	9.59441	10.040487	9.566259	8.9048725	9.847215	9.4122695	9.8480575
EIF3F	5.1170695	4.4252805	4.984233	5.5878175	5.2274925	5.840649	5.329536	5.4302855	6.614798	5.8185745	5.4068485	5.884794
EIF3G	10.17908	10.04702	10.21849	10.51449	10.10303	9.996289	10.32263	10.14351	10.10637	10.13323	10.80731	10.1237
EIF3H	9.02444	8.720173	9.08614	8.977276	8.937147	9.7187245	9.848589	9.0026145	9.003392	9.590609	8.4941735	9.140597
EIF3I	11.45317	11.18748	11.48783	11.62	11.95094	12.08491	11.79962	11.95366	10.85776	11.28492	11.87099	11.23187

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
EIF3J	7.640395	7.229615	7.759077	7.870641	8.313707	9.305228	8.650243	8.330768	8.504002	7.93777	8.060093	8.336026
EIF3K	10.78461	10.58546	10.53596	10.74037	11.24327	11.24939	11.42365	11.25265	10.93379	11.09874	11.33993	11.08359
EIF3L	12.09202	12.10098	12.14306	12.26373	12.21914	11.87354	12.2106	12.23915	11.45264	12.38644	12.03974	12.35993
EIF3M	5.187339	4.250792	4.633777	4.833168	5.357787	5.945228	5.994315	5.366723	6.288072	6.994987	5.49898	6.751061
EIF4A3	10.37349	10.13927	10.3354	10.41458	11.33227	11.28513	11.44793	11.29168	10.35065	11.2699	11.15059	11.04253
EIF6	9.813356	9.658649	9.724471	10.11504	9.625404	10.53638	9.806415	9.837599	10.47788	9.826195	11.16678	9.775645
ELANE	4.38081	3.982591	3.681829	4.021684	3.552862	3.643621	3.589543	3.488777	3.518495	3.161328	4.071837	3.253648
ELFN1	6.27922	6.675573	6.547267	7.516714	6.035751	6.300603	6.05548	6.286823	6.898577	6.83154	7.259829	6.731814
ELFN2	4.360159	4.659038	3.926122	4.7174555	3.7692075	3.7011695	3.9322645	4.0335095	4.0487175	3.723974	4.0497655	3.7837195
ELL2	9.854143	10.01298	9.903863	9.391844	6.370711	7.476407	8.083617	6.881296	6.836648	6.151688	5.23121	5.69917
ELMOD3	6.548404	6.475597	6.426881	6.338514	6.543314	6.248022	6.763125	6.507249	6.115473	6.435574	6.746064	5.916376
ELP2	6.833561	6.407793	6.932457	7.086577	6.814144	8.050815	6.977114	6.793088	7.822066	6.464846	7.379264	7.115475
EMB	2.976702	3.128358	3.5983835	3.748826	6.5464015	4.9939765	7.775246	6.5349255	5.483735	6.9986895	5.1948555	6.66803
EML2	5.7952245	5.817807	5.8833185	5.8644705	5.9006555	6.1093735	5.920931	5.8683175	5.9110515	5.48048	6.220955	5.6268295
EMX2OS	7.6839945	7.255732	8.125477	7.215442	4.3247815	4.518839	4.424205	4.367669	4.244458	4.379478	4.5851125	4.6213005
ENDOD1	6.514219	5.938437	6.072206	6.211545	5.480151	7.368317	5.456881	5.472395	5.104066	4.252656	7.113524	5.088557
ENHO	5.985817	5.851748	5.85867	6.031549	6.893213	6.005668	7.237072	6.506624	5.775038	7.684106	6.316776	7.465366
ENKUR	3.43819	3.642659	3.535594	3.565093	3.458974	3.535594	3.45609	3.671583	3.426567	3.534738	3.481261	3.432871
ENOPH1	9.838927	9.545889	9.46966	9.955022	10.04206	10.06502	10.8216	9.991094	10.00223	10.38136	10.34268	10.41336
ENOX1	6.985133	7.196493	6.072071	6.532717	6.304541	7.333818	6.683946	6.552026	5.819252	7.776087	8.522544	8.240137
ENOX2	5.6161605	5.3330855	5.4668245	5.192025	5.3529175	5.5057365	5.6487485	5.291262	5.1364435	4.931234	5.4269205	4.956559
ENTHD1	2.7156035	2.5754805	2.775895	2.444688	2.7001515	2.716095	2.471008	2.57319	2.672311	2.6819025	2.5423785	2.380942
EPB41L4A	3.8496185	3.663325	3.5174145	3.6055125	3.730918	3.610195	3.6282425	3.634461	3.7159545	3.3092205	3.4509135	3.380645
EPCAM	3.129586	2.889774	3.085429	3.214485	3.208798	3.142909	2.868602	3.154434	5.154635	3.331302	3.227928	3.669602
EPPK1	4.122605	4.636268	4.310724	4.199538	6.913885	8.604552	8.345124	7.144149	4.294935	6.500586	7.657263	5.83919
EPS8	11.30627	10.96853	10.89966	11.68	8.63884	7.831444	7.48013	8.531358	10.36192	9.445146	8.806723	8.439497
EPYC	2.513113	2.481855	2.439425	2.451927	2.857152	2.57129	2.596388	2.95021	2.709087	2.235751	2.280934	2.459717
ERAP1	5.731756	5.332975	5.765013	5.920488	5.731721	6.20359	6.322093	6.273015	7.181568	6.488524	5.918968	5.874467
ERAP2	5.513669	3.461594	5.785349	6.059522	6.425261	3.853671	4.206302	6.425261	8.204626	3.781823	4.535695	5.63181
ERC2	3.588918	3.583859	3.778181	3.531618	3.652629	4.36648	3.690079	3.554403	3.865085	3.33877	4.715438	3.432053

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
ERCC6L	7.197634	6.583929	6.731397	7.327298	6.712768	5.516392	7.579882	6.465149	5.009922	6.731514	5.508994	6.142687
ERI1	7.6605045	7.071463	6.916506	7.178062	6.598419	6.6371095	6.684673	6.374454	7.0195985	6.617252	6.3797045	5.9668135
ERI2	3.200018	3.007658	3.212337	2.988845	3.137915	3.024645	3.038498	3.143971	2.997959	2.953783	3.15639	3.06216
ERI3	7.784627	8.200164	7.879972	8.092794	7.23702	7.757656	7.299095	6.706977	6.991984	6.759768	7.374025	6.394247
ERLIN1	10.2609685	10.2072985	10.09436	9.661777	9.1404245	9.291984	9.2919835	8.991069	8.961557	8.007727	9.003483	7.7890025
ERMN	2.955087	3.13821	2.997622	3.088083	3.036719	2.999321	3.087176	3.019087	2.906633	2.880898	2.754873	3.038497
ERMP1	7.044581	7.4678355	7.1536265	7.10023	6.7153915	7.5490925	7.0386245	6.6759675	6.663185	7.454992	7.7293025	7.7606365
ERP27	3.63112	4.008552	3.859881	4.066202	4.206778	4.069106	4.048083	4.294264	4.013238	4.190207	3.819637	3.747335
ERP44	6.464611	6.46203	6.884433	6.769475	6.31427	7.739534	6.645614	6.310369	7.01105	7.423693	6.92276	7.448459
ESF1	7.144086	6.9788905	6.8771155	7.157786	8.583104	9.1698935	8.868209	8.3522435	8.300158	8.384299	6.4271555	8.848388
ESRP2	4.15664	4.281255	4.173172	4.305356	4.383102	3.989308	4.174066	4.240713	3.980499	3.803383	3.792247	4.260242
ESYT1	9.567951	9.639149	9.778483	9.864996	9.110287	8.595025	8.734405	9.137426	8.800677	8.803324	8.586097	8.465906
ETAA1	6.824693	6.351139	6.176585	7.431301	6.804501	6.277007	7.258261	6.81594	7.23386	7.002883	5.556921	7.21286
ETV7	3.973828	4.221771	4.0239375	4.0427635	4.1522435	3.7917175	4.7105415	4.0857035	5.322172	3.857352	4.511384	4.3445895
EVI5	4.621423	4.568126	4.582011	4.726624	5.633855	6.600931	6.078075	5.46731	4.581324	5.411956	4.722597	6.034883
EXD1	2.500729	2.493593	2.381477	2.378131	2.562676	2.550802	2.616366	2.55856	2.567344	2.41335	2.925955	2.491215
EXD2	5.991834	5.87761	6.046021	5.663449	5.579995	6.08037	5.345674	5.570509	6.250568	6.149582	5.627872	5.585204
EXD3	5.297373	5.435266	5.8425	5.269885	5.476121	5.378324	5.264692	5.590864	5.279997	5.4826	4.796131	5.063146
EXOC3	6.5660975	6.401764	6.857521	6.664676	6.448129	6.595571	6.1880845	6.4914035	6.6645535	6.7787495	6.44616	6.7751445
EXOC3L2	6.984758	7.17128	7.202918	7.259741	7.146808	6.866238	6.86351	7.067548	6.838436	6.991624	6.984876	6.983557
EXOC5	8.552677	8.150691	8.353926	8.752169	7.945433	7.627853	8.070132	7.863735	8.344502	7.489177	5.664243	7.129183
EXOC6B	5.076977	5.139238	5.0365265	5.4082775	4.8870145	5.070525	4.592208	4.757383	5.360171	4.9801655	5.259649	4.876035
EXOG	5.120016	5.308128	5.051465	5.110913	5.342826	5.946415	5.374354	5.131084	5.643579	5.170107	5.469594	5.165822
EYS	2.549515	2.307353	2.454661	2.518087	2.296409	2.247801	2.41351	2.26983	2.372877	2.649406	2.36647	2.607371
EZR	6.166639	6.630754	7.256205	6.964164	7.995327	10.27264	8.412504	8.373638	9.089104	6.576344	6.82577	5.434717
F2	5.821766	5.953703	5.416843	5.569461	5.338236	5.06889	4.970707	5.214123	5.288797	4.884565	5.171549	4.910624
FAAH2	4.69502	5.212371	5.01051	4.960198	4.780919	4.706712	4.497806	4.943217	4.770388	4.562522	4.980776	4.650798
FAF2	8.7506515	8.5628125	8.7010385	8.4169975	8.8601595	9.318294	9.036463	8.92522	8.6023905	8.926919	8.7440065	8.989567
FAM110A	5.539374	5.656837	5.200279	5.914223	5.398368	5.772591	5.560182	5.221023	4.892528	5.158454	6.757445	5.212596
FAM110B	7.540016	6.354413	6.763615	7.146616	6.318465	6.196596	5.651074	6.311677	7.069096	6.711534	6.419867	6.461869

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
FAM114A1	10.071164	10.1297555	10.0314715	9.6922015	7.5473265	8.169208	6.997127	7.3597435	9.444258	7.4396185	8.517244	7.927847
FAM114A2	7.9560855	7.567383	7.834036	8.012275	7.9899035	7.602966	8.7766055	7.968389	8.0619415	7.959864	7.954564	8.117969
FAM117A	6.22134	5.876786	5.767656	5.965803	7.335096	7.929566	8.356337	7.32894	7.549323	7.616055	7.361211	8.002879
FAM117B	4.024465	4.175826	4.429653	4.058417	4.764668	4.472093	5.032674	5.036891	4.397413	3.96179	4.837101	4.167161
FAM118A	5.0397335	5.351827	5.764803	5.484392	6.585546	6.4845975	6.4304485	6.6658175	6.5117945	7.460182	6.4993835	6.3125015
FAM118B	5.146191	4.628851	5.090237	6.12548	6.568439	7.534251	6.55256	6.531411	7.184566	5.965664	6.792245	6.074694
FAM120AOS	5.2793325	5.532354	5.902516	5.2252085	5.5870585	5.425581	5.6183935	5.5962635	6.090584	5.6804445	5.424873	5.9402325
FAM120B	7.2690095	6.9701845	7.417147	7.0983115	7.0335215	7.4482285	6.9091055	7.0427855	6.849029	7.3863065	7.255861	7.3191085
FAM124A	3.989127	4.181549	4.163201	4.17751	5.034843	4.896008	5.031794	5.155739	4.850764	4.877507	4.756094	5.054945
FAM124B	3.129437	3.436195	3.075862	3.487875	3.150469	3.213028	2.968073	2.975828	3.127806	2.78644	3.389081	2.818642
FAM131A	5.075469	5.311135	4.98675	5.30447	4.802145	4.615554	5.085815	5.297639	5.061597	5.278138	5.163702	5.044403
FAM131B	4.818071	5.456347	4.893081	5.378374	4.297606	4.171924	4.159652	4.140744	4.603685	4.704427	4.550155	4.598554
FAM131C	4.804766	5.227161	4.688744	5.000792	4.717782	4.361504	4.389248	4.447172	4.628756	4.463614	4.781567	4.371653
FAM133A	2.960888	3.145317	3.02909	3.124116	3.040331	2.922869	2.9862825	3.123327	2.875066	4.574797	2.817268	3.04814
FAM135A	2.852673	2.578228	2.998714	2.839761	2.673433	3.093427	2.852105	2.739072	3.252386	3.601865	2.839793	3.896727
FAM135B	3.613297	3.835735	3.923401	3.897284	3.705183	3.747076	3.743757	3.895764	3.666339	3.791405	3.879444	3.909205
FAM136A	8.368372	7.984654	8.414122	8.969496	9.315174	10.56113	10.11468	9.364155	8.856127	9.186755	10.27647	9.475994
FAM13A	5.977446	6.067387	5.797419	6.297867	6.425457	6.688168	6.926788	6.526086	6.306807	7.31967	6.566231	7.858907
FAM13B	5.662268	5.4937235	6.2074565	6.002924	6.1294415	6.2319525	6.0338395	6.065128	6.6213255	6.1073995	5.80143	6.260682
FAM149A	4.858265	4.750717	4.807248	4.535011	5.082356	4.466095	5.613357	4.921004	5.093221	5.705831	4.696351	7.335322
FAM149B1	6.8845335	6.145493	6.27898	6.5676035	5.6361555	5.5620885	5.5108685	5.8461715	5.746702	6.065169	5.7887665	5.819905
FAM151A	4.728322	5.025262	5.036055	4.832978	4.592452	4.639179	4.83151	4.950126	4.727981	4.671043	4.600958	4.850764
FAM153A	5.746652	5.852434	6.096991	5.658212	5.862385	5.759799	5.722555	5.983407	5.366704	5.354563	5.536381	5.445385
FAM155A	5.0158785	5.492836	4.639597	4.453827	5.783044	3.368093	4.8308035	6.0407205	6.970027	8.457339	3.4808065	8.517521
FAM155B	4.639612	4.409427	4.756094	4.423727	4.74559	7.635769	4.873998	4.801232	4.963666	5.512496	8.325217	5.708524
FAM160A1	5.169934	5.4681455	5.056001	5.582141	5.457454	5.418094	5.474009	5.703075	5.4998465	5.1926075	5.6121905	5.2335865
FAM160A2	6.883244	6.861085	6.899402	6.74819	6.691051	6.65804	6.59243	6.679891	6.89366	7.472649	7.111385	7.389641
FAM160B1	6.207047	6.189803	6.530223	6.3590605	6.6189065	6.2263895	5.777414	6.3960085	6.615997	5.9836995	6.1703845	5.8745865
FAM160B2	4.832447	4.839756	4.756278	5.217801	5.098401	4.87506	4.93288	5.009241	5.008276	4.594953	4.997585	4.757673
FAM161A	4.6610505	4.6832285	4.3708945	4.6159875	5.184069	4.1458275	5.707336	5.2226405	5.5807825	6.2776695	3.9327865	5.441322

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
FAM161B	7.126021	6.7383135	7.2876395	7.043919	6.7888665	6.6066935	6.5856225	6.7885	7.1719915	7.3175525	7.3788445	7.2610135
FAM162A	11.60157	11.83677	11.81897	11.66782	10.99889	11.77779	11.39625	11.03041	10.7896	11.18936	10.21636	10.84184
FAM162B	4.815195	4.925612	8.427916	7.984279	7.546631	4.237566	8.550486	7.331442	6.268507	9.212652	4.079685	8.652603
FAM163A	3.505167	3.7985595	3.944683	3.969391	3.9794775	3.6269685	3.8237845	3.989436	3.930965	3.609476	3.752101	3.4027985
FAM166A	4.697479	5.0913825	4.8255875	5.2453745	5.1207425	5.1266335	5.28357	5.376924	4.8157615	4.3222595	5.347682	4.70709
FAM166B	4.363646	4.50411	4.728994	4.691944	4.455338	4.480555	4.548894	4.797513	4.452648	4.518218	4.809889	4.835851
FAM167A	6.6487785	6.5612215	7.1920025	6.4396545	5.398504	5.529625	6.1615175	5.2307115	5.716031	5.474641	5.9607105	5.426505
FAM167B	5.523152	5.008082	5.149794	5.449404	6.35228	7.214319	5.662422	5.873807	4.566157	5.107493	6.716078	5.385984
FAM168A	7.51332	7.705678	8.0365025	8.111437	8.111807	7.1804535	7.6343275	8.0317665	7.294909	8.4466445	7.14808	8.5350645
FAM168B	7.384272	7.617532	7.3428135	7.3346115	7.4148495	7.8008205	7.701049	7.3935215	7.6370215	7.3361205	7.1393125	7.228462
FAM169A	2.614815	2.310686	2.507433	2.625589	2.43029	2.629745	2.467872	2.480306	2.922803	3.262392	2.747111	2.92475
FAM169B	4.216073	4.470384	4.485206	4.232243	4.302589	4.109152	4.000836	4.416996	4.311659	3.820847	4.531984	3.843046
FAM170A	4.974698	5.407979	5.365062	5.463816	5.36425	5.39439	5.220661	5.311204	5.226088	4.910285	5.164425	4.741374
FAM171A1	9.063182	9.053303	8.97403	9.490683	9.037815	9.905453	9.996617	8.954975	8.528499	9.996475	9.404718	10.32641
FAM171B	3.582923	3.472798	3.561578	3.636385	3.468285	3.547127	3.664052	3.510828	3.869628	3.902734	3.70328	3.429654
FAM172A	7.152408	7.1948505	7.275973	7.0832295	6.903199	6.963306	6.4619265	6.89779	6.351227	7.407638	6.0701825	7.3959335
FAM173A	7.038543	6.81164	7.009834	7.341063	7.417851	6.579856	8.100743	7.191558	7.010778	7.21622	6.868724	7.369631
FAM174A	8.601715	8.458287	8.420412	8.933305	8.149298	8.949834	8.07275	8.5301	9.08217	7.780441	8.881649	7.653265
FAM174B	4.286951	4.559916	4.132493	4.20628	4.666837	4.309645	4.172408	4.666837	4.295594	4.536929	4.288383	4.487944
FAM177A1	9.443531	8.997708	9.166992	9.153724	8.335479	8.676503	8.225039	8.395712	9.37567	7.758671	7.965302	7.592993
FAM177B	3.336406	3.369624	3.330083	3.458725	3.148572	3.454511	3.316127	3.381429	3.457923	3.265178	3.39392	3.266572
FAM178B	5.22954	5.414875	5.267642	5.389972	5.302989	5.093963	5.331406	5.366722	5.156909	5.227965	5.223257	5.090595
FAM181A	4.967263	5.114388	5.283976	5.076136	5.508255	5.21097	5.001742	5.356066	5.207765	5.606574	5.304296	5.015153
FAM181B	4.306321	4.473678	4.069614	4.168704	4.108083	4.283449	4.043089	4.445901	4.43388	3.99222	4.293624	4.068785
FAM184A	3.7584255	3.671875	3.833277	3.663977	3.867831	4.185092	4.222715	4.080994	4.0903985	5.293396	3.9000745	6.178979
FAM184B	4.954629	4.34193	4.512278	4.066072	4.167612	3.980875	4.008932	4.220952	4.432081	4.445961	4.051261	4.092407
FAM186B	4.318174	4.67183	4.196963	4.530008	4.816757	4.492734	4.97479	4.640391	4.330661	4.414865	4.757167	4.104887
FAM187B	4.268322	4.825996	4.363252	4.255697	4.269336	4.597483	4.659453	4.254963	4.240109	3.990586	4.325941	3.997269
FAM189A1	3.990283	4.486596	3.963891	4.330118	4.738488	4.441023	5.425227	4.369454	4.861143	6.532298	4.682956	6.457121
FAM189B	6.9812855	7.528375	6.54771	6.9914595	6.658178	7.005096	6.732812	6.6394555	6.39068	6.2165895	6.52753	6.5774015

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
FAM193A	8.242988	7.858083	8.194244	7.93962	7.544203	7.033796	7.535922	7.43613	7.796635	8.508277	7.655863	8.468614
FAM193B	6.2874855	5.9606945	6.0890695	6.0433645	6.1136975	5.508915	6.1575955	6.0112025	6.1707025	6.96939	5.810165	6.774684
FAM30A	4.6487675	4.677781	4.3825795	4.6754025	4.592243	4.4872095	4.4972715	4.617789	4.579805	4.2910795	4.7021745	4.331761
FAM32A	9.725943	9.283667	9.549017	9.534292	9.609453	9.67119	9.408625	9.598919	9.917009	9.250007	10.05004	9.304731
FAM47E	2.910744	2.697819	2.79826	3.017748	3.073488	2.903862	2.868545	3.182025	2.922217	2.987797	2.79216	3.257856
FAM71B	4.137671	4.19485	4.214872	3.712369	4.201682	3.929229	4.182282	4.132923	4.235855	4.343912	4.231804	4.235855
FAM71D	2.71274	3.083277	2.826532	3.239683	3.096139	2.955032	2.787009	3.267395	3.008407	3.04879	2.991443	3.190831
FAM71E1	4.83583	5.56407	5.093887	5.378557	5.666752	5.507224	5.504951	5.767756	6.233616	5.601611	5.626966	5.153954
FAM71E2	4.2294985	4.5359575	4.2520635	4.4028415	4.3329505	4.2502715	4.1065995	4.3847555	4.0781045	3.807876	4.099636	3.8547065
FAM71F1	3.7725865	3.7970655	3.8523	3.871614	3.9355615	3.7662025	3.790378	3.79974	3.585868	4.157083	3.8099585	4.2110875
FAM71F2	4.9341	4.823804	4.516357	4.879618	4.865418	4.788766	4.601788	4.785778	4.726584	4.853028	4.851617	4.822393
FAM83B	2.8797515	2.8543475	3.0258535	2.943413	3.010904	3.0531125	2.860178	2.8993585	2.830859	2.786852	2.858008	2.6319405
FAM83C	4.0702455	3.9890725	4.236188	4.321713	4.0580375	4.3428575	4.2537545	4.133139	4.311185	4.128414	4.3036095	3.974748
FAM83D	8.547912	8.126168	7.866217	8.425721	8.299662	6.055144	9.552775	7.897231	4.939312	7.668801	6.76248	7.662821
FAM83H	5.5519105	5.73228	5.751454	5.4317875	5.04927	5.454485	4.938656	5.018806	4.975531	5.1246985	5.7508825	5.0233485
FANCI	7.725573	7.48772	7.474413	7.462298	7.6486	5.238917	7.996982	7.348187	6.371642	7.851349	6.287529	7.309208
FAR1	8.038164	7.780004	8.213081	7.948366	8.027784	8.304911	8.443671	7.908897	8.19195	8.547593	7.635407	8.2103
FAR2	5.176248	4.029946	5.236623	5.745207	5.807356	5.979513	6.225117	5.639931	6.430226	6.04494	5.359479	5.243011
FARSA	7.339529	7.355628	7.50235	7.8425215	8.449524	9.1387675	9.0290895	8.390418	8.4516925	8.4371685	8.964606	8.6094885
FASTKD1	8.42304	7.649943	7.977836	7.858433	9.363798	9.95093	9.969515	9.355106	7.676827	9.375883	8.831936	9.861215
FASTKD5	7.422077	7.20759	7.676543	7.404069	8.155661	9.164927	8.512748	8.242834	7.757507	7.800545	8.198772	8.047783
FAT1	8.329341	8.231531	8.487843	9.046947	8.601322	8.93895	6.865216	8.857846	9.378949	9.545074	8.942433	8.848456
FAT3	5.498868	2.919922	3.19808	4.867442	2.871872	2.84355	2.949987	3.312373	3.685787	3.287665	3.5234	3.257856
FBLN7	7.188669	8.365102	7.097637	7.296914	4.322836	4.171657	4.691142	4.491215	5.90889	4.576406	4.494328	4.446707
FBRS	6.071797	6.578029	6.138943	5.592491	5.653464	5.765088	5.694861	5.217358	5.456907	5.519663	5.332477	5.160787
FBXL19	6.487151	6.534471	5.889379	6.695175	6.610043	6.398028	6.687057	6.613974	6.586351	6.782562	6.66532	6.856269
FBXO41	4.931007	4.989114	5.052309	5.283502	5.205641	5.107493	5.142159	5.281198	5.229064	4.997276	5.32843	4.90204
FBXO45	6.250445	6.432228	6.190684	6.402118	5.81401	6.273443	6.13271	5.944459	5.371699	5.490538	5.659548	6.10091
FCER1A	2.893794	3.1504415	3.1961365	2.8711	3.054201	2.800626	2.8290165	2.821796	2.715174	2.7661105	2.843786	2.8236195
FCRLA	5.10377	4.060021	4.23891	5.664228	3.563619	5.823159	3.344625	3.448344	3.409197	3.03879	4.014637	3.13318

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
FCRLB	8.260866	7.879435	7.454448	8.546207	5.344693	9.191294	5.603333	5.179134	4.646204	4.62606	8.442943	4.998851
FDPS	9.766867	9.555517	9.625898	10.11349	10.7906	11.50438	11.08755	10.71975	9.888725	9.870719	10.36255	9.827054
FDXACB1	4.766732	4.657534	4.756094	5.177701	5.473301	5.771014	6.042568	5.550814	5.376955	5.295425	6.16043	4.829278
FER1L5	3.75003	3.905243	3.643851	3.773326	3.873628	3.550734	3.674448	3.756288	3.783059	3.931487	3.863364	3.664934
FERMT1	6.197289	5.87398	5.379689	5.58701	6.949722	8.240189	9.220286	7.037335	5.689901	7.839411	9.942326	7.779503
FERMT2	9.946739	9.988582	10.3383	9.494115	10.9903	9.965183	11.06819	11.16655	9.145971	10.09574	9.456154	9.875784
FERMT3	5.741724	6.071967	6.031948	5.998794	5.429531	5.598876	5.076136	5.837675	5.536587	4.744505	6.235541	5.188896
FEZF2	2.940708	3.62307	3.324336	3.168496	3.364198	3.436804	2.902439	3.266695	3.538873	3.285183	3.421445	4.805175
FGFBP2	3.15464	3.468363	2.827816	3.119363	3.146248	3.908602	3.126535	3.355948	3.126535	3.547706	3.372311	3.369572
FGFBP3	3.633188	3.570476	3.973464	3.6824	4.105664	3.419665	3.952813	3.602056	4.618686	4.459498	4.15147	4.486328
FGGY	4.8984345	4.5851525	4.765545	4.692366	4.684387	4.586896	4.429223	4.59435	4.454352	4.898329	4.9709785	4.8556105
FHAD1	4.077979	4.20117	4.1825025	4.3802685	4.1556385	4.1128645	4.1341495	4.1299075	3.981177	3.860779	4.116409	4.0763565
FHDC1	5.910534	6.169921	5.515174	5.74176	6.368719	7.146149	6.569161	6.304947	6.752567	6.964321	6.898809	8.048032
FIBIN	7.5180765	7.7234815	8.328636	7.0132715	7.041797	5.3223615	4.6185005	7.2717985	7.733473	5.7304195	9.1755695	6.0047195
FICD	7.301697	6.920405	6.802044	6.786939	6.159217	6.10756	6.243688	5.885223	6.749655	6.702803	6.469657	6.538456
FIG4	8.336962	7.974964	8.332529	8.441118	8.356524	7.9869	7.643778	8.60656	8.347808	8.312979	8.105218	7.720833
FITM2	5.684753	5.449417	5.226309	5.827806	5.828664	7.548009	6.102479	5.863612	5.338006	4.910285	5.973648	4.906184
FIZ1	6.2883125	6.6000725	5.992986	6.074611	6.0326155	6.0589875	6.0152225	6.174742	6.1442635	6.038559	6.0011185	5.9915375
FKBP15	5.4752375	5.419992	4.609524	4.652943	5.6829655	6.373613	5.4595615	5.761203	5.48027	4.6197305	6.339115	4.512996
FKSG29	4.403834	4.660418	4.309415	4.785851	4.553063	4.633379	4.71655	4.693494	4.464151	4.41172	4.786387	4.347843
FKSG49	7.216604	7.229558	7.202123	6.407018	6.694519	6.299926	6.735836	6.78868	6.703845	7.539382	6.79938	8.155351
FKTN	7.460532	7.133229	7.259474	7.425265	7.229296	8.053472	7.704809	7.309222	7.184095	7.600099	7.516782	7.382548
FLJ13224	3.507992	3.409478	3.376503	3.3253	3.419848	3.494987	3.419136	3.348362	3.616969	3.372054	3.196455	3.376503
FLJ16779	3.379723	3.700341	3.724025	3.474023	3.890033	3.919528	3.829554	3.797954	3.887633	3.659857	3.785043	3.767202
FLJ20021	6.389118	6.779672	6.402299	6.518434	5.513915	5.801842	6.165028	5.19237	5.485544	6.011168	5.524243	6.040802
FLJ20712	4.258009	4.422886	4.809083	4.518047	4.647644	4.396656	4.320927	4.396656	4.293843	4.363426	4.450871	4.539309
FLJ25758	5.084235	4.939606	4.98668	5.093729	5.055082	5.007237	5.374836	5.177115	5.086931	4.782941	5.109283	4.874248
FLJ30679	4.674857	4.476382	4.677161	4.678516	4.593404	4.567587	4.841516	4.729903	4.724793	4.647344	4.660071	4.695607
FLJ32255	4.4504075	4.2694715	4.0176155	5.0166205	4.169682	3.8986905	3.2317475	4.0482465	6.2469315	3.17478	3.4546915	3.569407
FLJ33534	4.275115	4.575804	4.550401	4.88042	4.875345	4.686001	4.73387	4.543785	4.733006	4.307765	4.923529	4.316969

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
FLJ37201	2.947225	3.134453	2.945917	3.706781	3.498058	3.743664	3.701881	3.492748	3.978419	3.575541	3.611129	3.857563
FLJ37453	5.319021	5.305593	4.587843	4.967252	5.301356	5.27598	5.301356	5.104843	5.406812	4.890476	4.909462	4.587843
FLJ38576	2.71129	2.823651	2.78678	2.708737	2.837585	2.643156	2.590135	2.803178	2.775168	2.815374	2.722519	2.807889
FLJ42627	6.268913	6.217918	7.001864	6.469554	6.33111	5.544911	6.305634	6.443486	6.878098	6.779745	6.344549	6.659398
FLJ45513	4.610726	5.403021	4.637103	4.788916	5.003087	4.841539	4.736065	5.02403	4.983971	4.96963	5.137649	4.487849
FLVCR1	6.542822	6.613292	6.7367905	6.4229655	7.4120385	7.59139	7.935873	7.2895275	6.557684	7.879172	6.295504	8.097365
FLVCR2	5.035734	5.02821	5.04074	4.888577	4.647451	7.008388	6.721396	4.638171	6.169922	4.618122	5.543433	5.814213
FLYWCH2	6.354263	6.606049	6.47996	6.838557	7.566159	7.427853	7.444446	7.604706	7.227636	6.94699	7.643253	7.370235
FMN1	5.186672	5.168211	5.723682	5.200256	5.058392	5.213987	4.491861	5.196131	5.220416	4.68579	5.125449	4.573578
FMO9P	3.010155	2.84384	2.92729	2.812322	2.751089	2.748562	2.875185	2.776649	2.733624	2.833313	2.747111	2.641092
FNDC3B	8.721107	8.3173445	8.884719	8.831559	8.264833	8.926645	8.377699	8.4912945	8.7923645	7.270236	8.0393645	7.0788185
FNIP1	4.318481	3.797259	3.894934	4.16769	4.507869	4.313904	4.466492	4.57829	5.19226	4.939449	4.545992	4.507776
FNIP2	6.7855105	6.505156	6.6909215	6.7393455	7.7941045	8.2484535	8.198175	7.8201775	7.4522025	8.3095875	6.854759	8.008638
FOLH1B	3.337569	3.358516	3.419167	3.412019	3.346186	3.205991	3.337569	3.334467	3.335901	3.254858	3.255428	3.954873
FOXG1	3.8453645	3.9830335	4.037437	3.9737145	4.066546	4.0368405	3.93849	4.103883	4.142159	4.4001815	4.1751025	4.036297
FOXN2	6.407501	6.2715595	6.2469435	6.32871	6.747993	7.03887	7.7685775	6.70717	6.466046	7.5805165	6.5862825	7.2587165
FOXN3	8.237471	8.0301765	7.8936525	7.6232515	7.6152665	7.007021	7.7503965	7.4350485	8.343436	7.7844955	7.2711705	7.758936
FOXO1	4.555895	3.616538	4.255834	3.795738	7.331904	7.523561	7.263659	7.274402	5.026664	7.825084	6.930246	8.290786
FOXO3	9.5508215	8.9664675	9.5464505	8.6959885	7.542368	7.51124	6.984672	7.5647625	7.897018	8.392388	7.968341	8.5520725
FOXO4	5.218907	5.273186	5.041376	5.175388	4.954124	5.181519	4.495383	5.274311	4.941743	3.959851	4.767834	4.343736
FOXO6	5.4276	5.997561	5.478891	5.642199	5.65713	6.094812	5.918136	5.52717	5.602539	6.011761	6.360457	5.30096
FOXS1	4.190494	4.945261	4.228437	4.303236	4.130881	4.63111	4.399145	4.355416	7.133009	4.516862	4.654334	4.196416
FPR2	3.9910675	3.545404	4.0366035	3.9536735	3.907169	3.8737595	3.845522	3.9838805	3.954481	3.627513	3.927931	3.6508905
FPR3	3.704912	3.6502075	3.7736745	3.8718585	3.615878	3.496406	3.6008305	3.9110135	3.9225865	3.399091	3.6375755	3.582606
FREM3	2.456934	2.47175	2.453649	2.545126	2.571836	2.480528	2.513366	2.503023	2.527436	2.47175	2.713611	2.441841
FRMD3	6.46486	6.935352	5.189294	5.765271	4.767901	5.751874	5.857639	4.350618	4.881556	6.294904	5.638253	5.556421
FRMD4B	2.749007	2.897795	2.763731	3.347427	2.595195	2.59278	2.54459	2.797646	3.564728	2.82551	3.33113	2.828202
FRMD7	3.061989	3.280798	3.372054	2.738543	2.788624	3.36115	3.096676	2.838327	3.11488	2.81361	3.089708	3.038498
FRMD8	6.5193835	6.314624	6.5612735	6.7126115	6.8446445	6.555181	6.6731	6.8017775	6.6969665	6.7679015	6.97504	6.652552
FRMPD3	4.914301	5.010069	4.828247	5.367466	5.497965	5.692702	5.32937	5.62008	5.575147	5.232029	5.618883	5.337365

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
FSCB	3.425954	2.710441	2.954126	2.927114	2.897362	2.564275	2.626428	2.632504	2.65091	2.642324	2.801878	2.482295
FSD1L	4.4378735	3.9083345	4.8245135	4.1028885	4.05906	3.551175	4.019864	3.755958	4.5020935	4.8165395	3.149958	4.1365425
FTH1	11.744285	11.350923	11.81571	12.27323	12.050255	10.8230075	10.927472	11.98055	13.52233	12.32958	12.184385	11.68461
FUZ	6.040074	6.301452	6.297633	6.275847	6.481124	6.434398	7.060279	6.3686	6.60115	6.38405	6.791442	5.623304
GAB4	5.725834	5.803299	6.028383	5.74035	6.159245	5.955019	5.924852	6.076123	5.830751	5.352273	5.940555	5.585013
GABPB1	7.795506	7.745675	7.9370805	7.684063	7.462039	7.527072	7.8211705	7.42389	7.81775	7.226821	7.47516	6.926272
GABRP	3.101976	3.075731	3.214236	3.769316	3.076821	3.193902	3.555481	3.149952	3.153435	3.002954	3.200343	3.082827
GABRR3	2.942138	3.04558	2.759497	2.981254	2.779285	2.679344	2.672926	2.773641	2.929402	2.577489	2.953694	2.597521
GALNTL6	2.95562	3.436637	3.203029	3.166354	3.249807	3.349052	3.602113	3.245366	3.088062	3.610772	3.058446	3.397625
GAPT	2.536244	2.397124	2.737979	2.519137	2.624999	2.958425	2.660134	2.617677	2.568382	2.970272	2.585558	2.613945
GAR1	9.380226	9.178789	9.184462	9.41678	9.313662	9.982179	9.782423	9.165049	9.465606	8.939116	9.777896	8.970384
GAS5	5.801771	5.373618	5.469004	5.483157	5.82333	5.355633	5.950861	6.516303	5.910065	6.597666	7.326301	6.990575
GATC	7.239014	7.252856	7.3148945	7.0578015	8.144354	8.996944	8.3096975	8.1893575	7.629725	7.695371	8.107334	7.8542405
GBX1	5.528878	5.96952	5.620177	5.54436	5.648019	5.591635	5.445908	5.738456	5.509172	5.210268	5.584443	5.154961
GCNT4	3.321188	3.173627	3.918206	3.137	3.208187	3.022128	2.940566	3.160681	3.135295	2.836253	3.208755	2.90247
GCNT7	3.946508	4.3053205	3.941146	3.811464	3.544977	3.519793	3.577018	3.6546985	3.4338735	3.4873075	3.6604715	3.405333
GDE1	8.6709395	8.613135	8.713948	8.8558185	9.577402	10.630495	9.6184385	9.6527685	9.3179865	8.164527	9.656364	8.265099
GEN1	4.315708	4.2455885	4.9087665	4.3761005	4.674605	3.737239	5.3011885	4.6714925	4.1038305	4.689106	3.977089	4.724613
GFOD2	6.4510805	6.319924	6.361769	6.5137005	6.693937	7.58265	6.438288	6.668859	6.3333725	6.6093205	6.533145	6.4596005
GGCT	9.617941	9.624307	9.830226	9.98578	10.75565	10.11121	10.95176	10.60127	10.03701	10.27702	10.0819	10.27739
GGNBP2	6.7189795	5.4387695	6.196381	5.857092	5.412077	5.3784135	5.4990455	5.4221405	5.7801915	6.1609845	5.672128	5.921526
GGT5	5.185289	5.52066	5.320655	6.188735	4.895488	5.008225	4.950617	5.001661	5.232215	4.713238	5.204872	4.652913
GGT7	6.410833	6.41704	6.361629	5.94069	5.647106	6.422711	6.319657	5.666335	5.969622	5.851856	5.331714	6.007209
GGTLC1	4.993399	5.454559	5.038488	5.120309	5.116788	5.109935	5.112507	5.347162	5.07929	5.144337	5.476198	4.578589
GGTLC2	5.622651	5.649712	5.672788	5.583818	5.261679	5.130706	5.524595	5.339224	4.703579	4.871378	5.034558	5.398368
GHDC	6.710652	6.961551	6.399673	6.58354	6.058133	6.115713	5.337153	5.793919	5.869887	5.741115	6.02553	6.319391
GHRLOS	4.773141	4.729326	4.628645	4.291134	4.376414	4.212373	4.321891	4.462917	4.2778905	4.9032505	4.881155	4.6961925
GIGYF1	5.633926	5.696186	5.262663	4.927445	5.545443	5.319427	5.428047	5.631754	5.562302	5.829666	6.193706	6.387738
GIGYF2	6.900504	6.965546	7.033429	7.2833555	7.1417685	7.3468475	6.94415	7.1819365	6.9267105	6.910499	7.0291235	6.885155
GIN1	7.5499545	6.2489835	6.3295825	7.162795	7.542752	6.909521	7.610006	7.3830515	6.918767	6.6173375	6.440557	6.315611

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
GINS1	8.021131	7.869319	7.424909	8.470441	7.791695	5.976224	9.248125	7.477067	7.704772	8.139091	6.742389	8.24214
GINS2	6.525095	6.900181	6.568368	6.600955	6.564558	4.295738	6.401509	6.631454	6.579091	6.338362	6.559692	6.120296
GINS3	6.825692	6.7028875	6.740889	7.233001	6.9101635	6.994666	7.6622505	6.535083	6.9518715	6.2753635	7.113652	6.3039025
GINS4	4.8278	4.759605	5.040707	5.1093485	4.97464	4.573557	5.1373625	5.221382	4.682563	5.022789	4.557669	4.811259
GJC2	5.611338	6.2656165	6.0136795	5.981562	5.7716525	5.7495795	5.8141155	5.7246825	5.7030095	5.7656665	5.934886	5.7348265
GJD2	5.610919	6.144079	6.298285	5.646356	5.971611	5.672146	5.80095	6.229751	5.713641	5.427187	5.335752	5.487256
GJD3	5.701662	5.7548325	5.588627	5.477157	5.529016	5.3774935	5.043465	5.3903805	5.6054645	5.1551355	5.433046	5.267629
GJD4	4.381582	4.82366	4.397261	4.463432	4.242682	4.013017	4.26596	4.116785	3.95801	3.941429	4.258202	3.96211
GK5	3.050413	3.153033	3.196491	3.202118	2.823767	3.468467	3.230265	3.046869	3.730577	2.977727	2.990963	3.606742
GKN2	4.419025	4.629512	4.782047	4.440375	4.415232	4.457499	4.222282	4.427596	4.288997	4.348553	4.385324	4.373298
GLB1L2	5.73832	6.318154	5.737844	6.117354	6.797106	7.105728	6.422019	6.816276	6.34475	6.309909	7.14181	6.393211
GLB1L3	3.324458	3.2425155	3.2790115	3.431747	3.4320155	3.3040165	3.6461155	3.5898775	3.4962635	3.329612	3.8081065	3.395895
GLE1	7.143082	7.274097	7.109559	7.048939	7.681299	7.267905	7.723845	7.63602	6.781805	6.848018	7.359103	6.460008
GLIPR1L1	2.860524	3.211945	2.934225	3.138206	3.116012	3.109575	2.958971	3.005865	3.063829	2.934542	2.917345	2.838932
GLIPR2	9.402011	9.540186	8.904225	8.52962	7.063333	7.1291125	5.769014	7.089896	7.74913	6.8100345	7.1304545	5.599823
GLOD4	8.983189	8.842402	8.671859	9.147096	9.630505	9.486095	9.542548	9.546995	9.934288	9.452609	10.09593	9.463989
GLOD5	3.7412515	4.116072	3.65064	3.903038	3.8990645	3.9998655	3.9243785	3.893443	3.838535	3.806171	3.9583995	3.9087045
GLRX3	7.415215	7.1288075	7.0786955	7.1455225	7.392772	7.5865155	7.433568	7.521681	7.1755945	6.740219	7.3298815	6.782654
GLTPD2	4.620025	4.870794	4.488452	4.556895	4.977851	5.320668	4.893394	4.891425	4.764668	4.299477	4.682956	4.390825
GMPS	7.582454	7.293602	7.735194	7.688766	6.928286	8.508454	7.772007	7.000778	7.964766	7.441449	6.827366	7.505158
GNAT3	2.832352	3.156498	2.893677	3.145769	2.811714	2.798042	2.823368	2.915254	2.758815	2.789876	2.800432	2.683657
GOLGA5	9.416978	9.305387	9.9409	9.610181	9.156701	9.351568	8.85817	9.251357	9.393435	8.766548	8.930513	8.644756
GOLGA6A	4.629564	4.067668	4.677859	3.888301	4.17358	4.354902	4.500245	4.265828	4.704428	4.460433	4.01128	4.142733
GOLGA7B	5.23904	5.275364	4.967372	4.822881	4.933107	4.976866	4.695148	5.129514	4.719328	4.615437	5.265744	4.874013
GOLIM4	7.301708	6.082708	5.56463	7.28363	7.481211	8.458917	7.774201	7.434282	5.675688	7.069592	7.309829	7.471315
GOLM1	4.603392	4.426762	4.652244	4.3899	4.397545	4.27684	4.201925	4.457558	4.166448	4.533902	4.491917	4.399025
GON4L	6.4593985	6.068348	6.209114	5.9827705	6.1438155	6.884355	6.252368	6.2169965	6.0205235	6.1529485	6.3109085	6.522727
GP5	2.875618	2.8990015	2.9288035	2.8975075	3.0298205	2.813708	2.831932	2.942142	2.978555	2.7089945	3.083876	3.008768
GPAT2	7.483693	7.31577	7.14308	9.089464	4.900057	4.699365	4.858851	4.949461	5.180755	4.602247	6.283818	8.477489
GPATCH1	6.754588	6.172855	6.59867	6.76347	6.604859	6.356699	6.823365	6.447542	6.91648	7.12236	6.971542	6.927111

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
GPATCH2	5.358954	4.676004	5.46247	5.7660385	6.037375	6.496387	5.958538	5.9753175	6.4107055	5.7266995	6.7772265	5.769121
GPATCH3	6.68077	6.653111	6.666962	6.553383	7.030554	7.054095	7.250472	7.035119	7.383101	6.189256	7.737462	6.450692
GPATCH8	7.875841	7.8008665	7.602407	7.5010905	7.7120705	7.992732	7.9699205	7.761955	8.256757	8.423457	8.1859485	8.469529
GPIHBP1	4.66247	4.588706	4.624828	4.713264	4.785302	4.715762	4.936603	4.647497	4.718266	4.638656	5.06489	4.547694
GPN1	9.214537	9.194491	8.848017	9.005583	8.925762	9.168726	9.100485	8.808693	8.659995	8.499403	9.115925	8.374788
GPN2	6.9551035	7.005248	7.57335	6.98197	7.0217165	7.103621	7.0061625	7.062427	6.8077545	6.5853	7.223259	6.9128395
GPN3	8.43671	8.275817	8.347643	8.418275	8.661096	8.568711	9.011459	8.577979	8.748773	8.195054	8.574133	8.209047
GPR137C	4.866371	2.868629	2.873966	4.679692	5.220172	2.931014	4.603456	5.449675	3.520491	3.475172	2.591128	3.042264
GPR180	4.5398715	4.358952	4.873597	4.4017355	3.811415	3.60223	3.4173865	3.6713425	4.10528	3.747648	3.679463	3.380181
GPR182	4.1401005	4.440551	4.14741	4.2703945	4.216106	4.2552845	4.229967	4.202178	4.292341	3.8594525	4.3437815	3.9473405
GPR183	2.763362	2.542917	2.859426	2.94371	2.699622	2.87435	2.820981	2.875352	2.732249	2.800544	2.779899	3.019082
GPR89B	8.890735	8.36104	7.960098	8.873956	8.800564	8.923483	8.817024	8.706579	8.776071	8.770938	8.843203	8.8375
GPRIN1	5.2682395	5.4829785	4.9150835	5.1801685	4.7525705	4.8494395	4.790591	4.634471	4.827918	4.78613	4.8600275	4.612025
GPRIN2	5.3777955	5.5392025	5.701811	5.4995995	5.6571445	5.5441665	5.568713	5.8041045	5.546973	5.4117695	5.6772435	5.3024935
GPRIN3	3.002813	2.922297	2.895483	3.060588	6.135594	3.358785	3.654889	4.958649	3.177657	3.013902	3.158453	3.303417
GPX8	10.6089865	10.441395	10.4283795	10.987705	8.8129255	7.88173	8.389012	8.663795	10.5056205	8.9240325	9.711717	9.0397115
GRAMD1B	7.628287	7.780931	7.492568	7.475125	6.628989	7.039363	6.127302	6.163483	6.734776	6.137431	6.865228	5.843139
GRAMD4	5.0093755	5.1090195	5.3493605	5.4840575	5.4771745	5.653833	5.1070685	5.353856	5.4622865	5.440044	5.4122855	5.0472405
GSC2	2.700074	2.802444	3.056899	2.592324	2.659796	2.680771	2.891484	2.602987	2.978878	2.340455	2.67489	2.47549
GSDMB	5.223979	4.703221	5.167764	5.116688	5.018618	4.282949	4.609491	4.748687	4.736631	4.52561	4.630633	4.943189
GSDMC	5.217379	5.951104	5.462313	5.763746	5.838891	6.012996	5.973036	5.736395	6.076459	5.768187	5.721741	5.409275
GSDMD	7.188499	7.291162	7.418334	7.379954	7.368505	7.052708	7.601467	7.274132	7.426547	7.417939	7.405141	7.148993
GSG1L	5.758646	6.59247	6.044688	6.06124	5.797994	5.823559	5.917896	5.811902	5.797045	5.832321	5.610155	5.464215
GSX1	4.2430085	4.638563	4.41712	4.5241485	4.431536	4.3351205	4.3457925	4.426593	3.9828385	4.0402445	4.3607395	4.0170735
GSX2	5.110912	5.66098	5.333193	5.579995	5.15271	5.315678	5.611565	5.150229	5.072544	4.712692	5.220239	4.537817
GTF2A1L	2.800515	2.906891	2.904949	3.189189	2.851425	3.098345	2.728193	2.90079	2.794533	2.748295	2.75098	2.865994
GTF2H2B	6.0685495	6.426397	5.974703	5.77665	7.6585955	7.35391	8.034985	7.5832735	7.185383	8.68403	7.273188	7.924235
GTF2IRD2	7.585025	7.591145	7.63502	8.383003	8.303881	6.93172	8.328215	8.110176	7.923567	7.927962	7.688014	6.904796
GTF3A	10.94515	10.35827	10.44797	10.84897	11.06951	11.42126	11.55475	10.90526	9.768193	10.59753	11.03222	10.37449
GTF3C6	10.80081	10.32157	10.33054	10.66815	11.28362	11.05421	10.98779	11.24965	10.3971	10.29723	10.25225	9.967059

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
GTSF1	3.802023	3.705438	5.597374	3.64492	3.691106	3.517984	3.703003	3.886214	3.46394	3.555629	3.641788	2.901387
GTSF1L	4.5443835	4.919152	4.607653	4.592287	4.104239	4.331474	4.1516605	4.2958465	4.8229485	4.324529	4.6872555	3.952245
GUCY1B2	4.251595	4.512539	4.328702	4.491211	4.491211	4.578779	4.321605	4.721663	4.446173	4.103748	4.537817	3.928801
GXYLT1	6.67452	6.120445	6.490598	6.8746565	5.967379	7.5270595	6.524888	5.860389	5.7530515	6.1017225	5.79726	6.014841
GXYLT2	7.614347	6.938807	7.3086945	7.589102	6.7753865	6.361802	7.2199035	6.641118	8.4775205	8.107471	5.983868	7.978091
GZF1	6.12666	6.093242	6.3895575	6.1597315	6.6188045	6.166957	6.6825405	6.5702245	6.6310445	6.3710295	6.5283385	6.423062
H1FNT	4.506798	5.030777	4.526865	4.810589	4.642383	4.557727	4.529538	4.560808	4.476244	4.498955	4.665844	4.21423
H2BFM	3.595182	4.642513	3.565093	3.836982	3.870902	3.64239	3.950562	3.6074	3.629363	3.349625	3.633623	3.122352
HACL1	7.239007	7.159733	7.457941	7.49222	8.268863	9.563984	8.151489	8.312181	8.555679	7.427578	9.079559	7.917847
HADH	8.224909	8.224733	8.496188	8.496193	9.159147	7.865973	9.493188	8.966459	8.092179	8.797089	8.523334	8.440964
HAR1A	3.953918	4.705992	4.280032	4.222115	4.127169	4.490869	4.085345	4.284517	4.246835	3.874988	4.898152	4.041124
HARBI1	5.543725	5.229778	5.100141	5.528749	5.690745	5.864184	5.704516	5.495805	6.647966	5.157716	6.125617	5.381095
HAUS5	6.261439	5.930106	5.808786	5.843647	5.787234	5.151337	6.279386	5.583092	5.778954	5.774895	5.677831	6.224825
HAUS6	7.789945	7.069555	7.442484	7.358111	7.12086	7.384505	7.788733	6.895825	6.627053	6.107639	5.171548	5.930759
HAUS8	6.014679	6.068594	5.887757	6.347695	6.120236	4.955945	6.569623	5.889575	5.417565	5.549667	5.586388	5.744525
HBBP1	3.831841	3.625087	3.706008	3.77304	4.250208	4.020611	4.069106	4.327017	3.780395	3.722407	3.877566	3.538861
HCG18	5.5117645	5.281526	5.07546	5.480676	5.5079695	5.7923305	5.5000335	5.578562	5.4384455	6.2678735	5.9959935	6.444315
HCG22	5.537268	5.600943	5.584489	5.693848	5.599961	5.154721	5.52651	5.606037	5.39443	5.216994	5.394242	5.335224
HCG26	4.464068	4.668227	4.602077	4.223186	4.560218	4.696701	5.268217	4.515337	4.496166	4.96405	5.156662	4.996123
HDAC7	5.2938535	5.6800625	5.357612	5.138326	5.07127	4.932372	4.8567975	4.9210405	4.954765	5.1896805	5.0571195	5.263528
HDX	4.64409	3.942248	4.510899	5.127968	5.020042	5.619892	4.490495	5.069906	5.886745	4.47155	3.789674	2.753859
HEATR3	6.315069	5.345074	6.4396425	6.2451655	6.980963	7.372591	7.6446585	6.992871	5.90527	5.973464	7.1126385	6.3383335
HEATR4	3.920498	3.836629	3.875875	4.437906	4.058818	3.935189	4.288512	4.021341	3.868196	3.57246	4.393171	4.022659
HEATR5A	8.518547	8.229305	8.490098	8.60784	8.752868	9.737332	10.29644	8.868653	8.422388	8.452625	7.652467	9.367065
HEATR6	7.243958	7.0270505	7.0816485	7.092691	6.758246	6.665034	7.0340045	6.768987	7.1096235	7.1891585	7.483491	7.2398945
HEG1	9.7644	9.6291765	10.1425365	9.665733	9.6708735	11.008545	8.758031	9.7941555	9.9426395	9.3476705	9.875115	9.543769
HELQ	5.489302	5.451412	5.588801	5.868702	6.765024	6.326028	6.344024	6.81238	5.880602	5.375431	6.110804	4.859122
HEPACAM2	2.800515	2.381038	2.567471	2.478802	2.644944	2.55713	2.548681	2.5941	2.496807	2.488316	3.003143	2.79017
HES5	3.933843	4.416973	4.126631	4.146661	3.910503	4.633722	4.003196	3.941565	3.931984	3.775805	3.995251	3.825765
HFM1	2.687165	2.6948455	2.5507955	2.489226	2.5834565	2.478157	2.5890785	2.625612	3.057148	3.005079	2.5860955	2.594856

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
HGSNAT	6.410449	6.868164	6.602608	6.662664	5.65497	6.403973	5.947866	5.804383	5.94306	5.866292	6.311458	5.699397
HHATL	3.378783	3.606645	3.106246	3.971254	3.652517	3.94054	3.671745	3.730932	3.695416	3.354758	3.565093	3.508272
HHIPL1	4.711433	5.078366	5.818425	5.22374	5.024281	5.037716	5.058175	5.206117	5.328429	4.720758	5.057378	4.989635
HHIPL2	4.740788	4.970073	4.858396	4.701201	7.666518	6.705053	3.888679	7.545851	4.007736	4.267726	4.240948	4.157578
HINFP	6.894369	6.405952	6.575449	6.6332	6.924811	7.036322	6.896928	7.048238	7.793204	6.926754	7.870053	6.86515
HIST1H2BN	3.700783	4.067115	4.058609	3.654566	4.424793	5.297163	4.260153	4.547497	4.703642	4.596561	4.876146	4.490796
HJURP	8.928205	8.775887	8.146356	8.60226	7.884675	5.378774	9.049682	7.547536	5.786382	8.368438	7.697035	8.182276
HLA-B	11.00714	11.86787	11.8299	11.29777	11.36538	11.5811	12.57222	11.2482	13.68692	12.78312	13.54744	12.78053
HLTF	9.271086	9.360807	9.171285	9.313609	9.204134	8.05987	9.719495	8.989254	9.802751	9.873278	8.136645	10.16779
HLX	8.493958	9.022948	8.831306	8.413032	4.379068	4.46304	4.474895	4.535988	5.790903	4.902002	5.279997	4.182166
HMGXB4	8.9472165	8.6976525	8.6186195	8.586022	7.895042	7.23515	8.187114	7.8047505	7.859554	8.423919	8.183919	8.5332265
HMHB1	3.718298	3.625088	3.598091	3.358701	3.168044	3.201188	2.77085	2.90126	3.121107	2.952851	3.196659	3.088063
HNF1A	4.836764	4.970747	4.7229115	5.013071	4.981011	4.8205135	4.7134605	4.8453445	4.8673605	4.977827	4.800825	4.7825875
HNF1B	5.5163645	5.495841	5.169386	5.666251	5.329012	5.3865265	5.0732285	5.1719325	5.1097535	5.3120035	5.380211	5.1290255
HNRNPA0	9.201355	9.1228665	8.98911	9.416443	9.484976	10.226402	9.8256215	9.2087915	10.3068445	9.9542265	9.5265915	9.766272
HNRNPA1	8.7258405	8.588863	8.937279	8.1847155	8.8917205	7.8397945	9.1298495	8.963838	9.8710735	10.081468	8.903643	9.967965
HNRNPA1L2	5.492427	5.725657	5.530937	5.462701	5.750742	5.292321	5.629398	5.829373	5.460246	6.01866	5.435385	6.467767
HNRNPA2B1	9.781442	9.3652145	9.6325385	8.591084	9.208429	7.912339	9.2932	9.148886	9.589072	10.473542	8.838436	10.3801475
HNRNPA3	9.778056	9.370038	9.174945	9.482806	9.482612	9.537033	10.32127	9.364863	9.13894	10.30012	9.186036	10.28481
HNRNPA3P1	2.871927	2.81624	2.892935	2.89033	2.873978	3.171088	3.181078	2.97912	2.800515	2.968679	3.017748	2.794102
HNRNPAB	11.10334	10.82428	11.26292	11.26893	11.93725	11.67651	12.1503	11.77225	11.30272	11.58862	11.60904	11.39936
HNRNPC	10.81612	10.83013	10.80387	11.07645	11.7105	10.68554	11.63797	11.6464	10.63611	11.50872	11.54239	11.42401
HNRNPD	8.1334275	7.7973385	7.819228	7.962558	8.241105	7.1655685	8.666755	8.1760625	8.528503	9.002171	7.58913	9.2498645
HNRNPF	9.070774	9.337934	9.49297	9.240935	9.88198	9.557083	10.35891	9.729652	9.549992	8.819609	9.895851	8.685975
HNRNPH1	7.12036	8.313637	7.353874	7.549272	8.773671	8.457654	9.675663	8.533765	8.255421	7.981576	8.414375	7.691223
HNRNPH3	8.947986	8.650828	8.798921	8.777688	8.649795	8.183428	9.062663	8.490726	8.959536	8.908386	8.333185	9.056034
HNRNPK	2.787877	2.663384	3.102841	3.293601	2.633937	3.478023	2.67717	2.49546	3.332653	3.060557	3.408959	3.214799
HNRNPL	6.89371	8.042662	6.634204	7.112597	9.904345	9.467672	10.14207	9.806588	8.782564	10.29999	9.161644	10.30232
HNRNPM	5.443294	4.779243	5.091953	4.8223225	5.0167995	4.662826	4.6994425	5.1240495	4.7504685	4.851723	4.818576	5.2075595
HNRNPR	7.751775	7.9375435	7.687163	7.6414405	7.6357585	7.278993	7.868925	7.3688935	7.6490745	7.5223865	6.9241115	7.487319

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
HNRNPU	6.061209	6.317595	6.280976	6.023857	7.175627	7.085691	7.600831	6.972947	5.992998	5.908889	6.759156	6.415123
HNRNPUL1	8.965076	9.550111	8.5004525	8.871799	8.264771	7.7095825	8.330269	7.96143	7.6487975	8.076601	7.6998275	8.0411065
HNRNPUL2	7.770525	7.866194	7.7735435	8.0286395	7.766857	7.9434415	8.173074	7.476564	8.022421	7.822757	7.8257505	7.6976095
HOMEZ	3.875989	3.773146	3.866033	3.255564	4.070463	4.47117	3.765089	3.630834	4.698718	3.961694	4.051261	3.783008
HOPX	3.104129	2.9925355	3.3163885	3.1865155	3.214303	3.099982	3.1051815	3.175864	3.473695	3.001112	3.089583	2.993632
HOTAIR	2.426937	2.485034	2.475322	2.677356	5.004581	2.66478	4.131724	4.907141	2.508499	4.624828	2.36647	3.483382
HPDL	4.72624	5.219726	4.64327	4.897811	7.210269	7.756556	8.820906	7.096033	5.08231	4.964395	6.352684	6.597323
HPGDS	4.168213	4.549549	4.530504	4.045634	4.17491	4.116724	4.066647	4.154825	4.67757	3.872447	4.620265	3.610991
HPYR1	3.846572	3.846201	3.8950325	3.540294	3.449884	3.322445	3.3587355	3.470456	3.5581745	3.3229995	3.5182305	3.4076095
HRCT1	6.799819	7.732337	7.016537	6.546445	6.543103	6.961426	6.663656	6.510468	6.124442	6.633862	6.428582	6.544318
HSD17B10	8.846012	8.132101	8.512483	8.826795	10.59879	10.79939	10.48256	10.70078	9.711241	9.977085	10.66444	9.931421
HSD17B11	8.703295	8.706116	8.552962	8.499151	8.633194	6.86018	8.071737	8.526039	8.111377	7.822304	7.925766	8.085691
HSD17B14	5.538097	5.687349	5.45812	5.690565	6.401098	5.281803	5.816418	6.438704	6.7380075	6.4508055	4.9258245	6.751589
HSD17B7	8.086012	7.297384	7.919683	7.572083	9.059343	9.187854	9.314692	8.917171	8.214549	9.006416	8.351756	8.866801
HSD17B7P2	3.993422	3.781822	4.058417	4.058417	4.161548	3.35624	4.25773	3.971529	4.396944	4.607897	3.705981	4.222816
HSPA13	9.8822055	9.457549	9.4624665	9.597563	8.7286075	8.977556	9.1248355	8.9070845	10.0729445	8.725306	9.306249	8.1159565
HSPA6	5.222727	5.507199	5.168893	5.22844	5.1826615	5.2521785	5.4059655	5.2777765	4.996725	5.155001	5.490947	5.414474
HSPA9	7.85068	7.224	7.675436	8.517427	8.07468	8.943154	8.887735	8.061474	9.596182	8.050201	9.2945	8.085692
HTT	6.949713	6.854998	6.954717	6.957365	6.983247	7.121398	7.0440555	6.9511055	6.797289	7.3910035	7.131256	7.5946205
HVCN1	6.623921	7.112692	7.227071	7.185967	6.482528	6.638139	6.087031	6.577874	6.916857	6.613432	6.501232	6.257754
HYMAI	5.137641	4.554254	5.38481	4.849081	3.860956	3.684934	4.342041	4.296373	3.781822	5.624398	3.954949	5.486631
ID2B	3.480504	3.365718	3.7223	3.838594	3.2249	2.786166	2.114981	3.738172	2.789082	2.946337	2.833879	3.193711
IDO1	5.583163	5.592798	5.768146	6.026059	6.910106	5.584638	5.883127	6.692323	8.505168	6.296611	6.229094	5.686176
IDO2	3.156048	3.265178	2.901823	3.373517	2.979117	3.04216	3.230733	2.947155	2.947155	3.01486	3.069161	2.960936
IFFO1	8.36713	7.991977	7.967274	8.341146	7.7250055	7.7028515	7.84126	7.7457815	7.7795395	8.480453	7.741957	8.7533225
IFFO2	6.699104	7.114199	6.822226	6.339884	5.460793	6.870826	5.55505	4.940218	5.372458	5.763364	6.764342	5.794473
IFI27L1	7.690234	7.497993	7.17989	7.521262	7.107085	7.092562	7.571715	6.973341	7.638132	7.670074	7.755775	8.005366
IFI27L2	9.049071	9.092133	8.847611	9.377211	9.484642	9.256575	8.942965	9.541426	8.866946	8.889086	9.576941	8.692503
IFNE	5.001426	4.681752	5.238972	4.330636	3.356856	3.231014	2.931013	3.120387	3.36378	2.907488	3.676057	3.037601
IFT20	9.628562	9.742024	9.937759	9.752515	10.26814	10.45888	9.279393	10.34166	9.823674	9.291362	10.44651	9.494355

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
IGDCC3	4.953735	4.8506895	4.9681675	4.832204	5.06842	4.7638035	5.2411895	4.966506	4.9249645	6.02123	4.865301	5.3703405
IGDCC4	5.544189	5.996205	6.090629	4.041507	7.536451	7.021432	5.543462	7.759624	9.848148	9.294147	8.365212	8.579368
IGFN1	4.123708	4.3216995	4.0653125	4.125788	3.894982	3.940465	3.8676285	3.796377	5.509967	4.0271835	3.9175035	4.089768
IGSF5	3.41211	3.528203	3.543996	3.540019	3.606016	3.149181	3.900519	3.697119	3.52948	4.260183	3.890071	4.055689
IGSF9B	4.08565	3.921521	3.779673	3.888762	3.787417	3.9045955	3.6309615	3.8933205	3.854308	3.6268025	3.76346	3.5502725
IKBIP	9.211549	8.745966	9.107286	9.327543	8.506297	9.578776	8.55118	8.568159	8.279358	7.988467	7.83217	7.702977
IKZF1	3.6615215	4.1085075	3.967734	4.1409785	4.233717	4.077327	3.9925825	4.042471	4.0640085	3.7608505	4.1471135	3.828472
IKZF2	4.458215	4.804286	4.415232	4.248188	4.146108	4.46804	4.069106	4.086874	4.537817	4.000062	4.10128	4.042221
IKZF4	5.764427	5.7859795	5.584687	5.7566085	5.548311	5.2821065	5.400117	5.516041	5.5289215	5.6374765	5.5773295	5.527289
IKZF5	6.572214	6.341383	6.7203345	6.6471995	7.1113305	7.503119	7.1677685	7.0399485	6.7676165	6.337923	6.8391045	6.134093
IL17A	2.8620635	2.957105	2.776767	2.762081	2.697554	2.605439	2.821349	2.6965405	2.76985	2.6358395	2.8803055	2.70611
IL17RA	7.542668	7.761306	8.1279775	7.7171265	6.3911695	6.3808605	6.0147145	6.385414	6.9241965	6.7114285	7.0644115	6.106737
IL20	4.507261	4.540091	4.251088	4.323481	4.528176	3.725542	3.991024	4.028162	3.857749	3.472191	5.871978	3.57795
IL20RB	6.642715	6.138371	7.151564	6.196797	4.842522	8.396364	5.310688	4.741121	5.090178	6.011123	8.919842	5.715133
IL34	6.271433	6.38452	5.971872	5.725658	5.938757	6.094315	6.298359	6.007491	5.967376	5.852925	5.92874	5.908646
ILDR2	3.272418	3.152537	2.867802	3.399865	3.905552	7.1763445	4.7927195	4.211273	3.6581145	4.571654	6.870892	4.805384
IMMP1L	6.1256505	5.7192685	5.721318	6.3318125	7.1810335	6.3705615	7.451313	6.9296285	6.139554	7.1476465	7.046242	6.8297885
INE1	5.65124	6.12155	5.792691	5.90928	5.886709	5.8181	5.71559	5.808647	5.701228	5.313312	5.546406	5.944219
INF2	5.3976155	5.691064	5.2307855	5.6121355	5.6770595	5.979047	5.506649	5.597661	5.1926355	5.057567	5.5231485	4.624484
INO80	7.740924	7.585692	8.0526695	7.617729	7.578765	7.647387	7.8814155	7.526571	7.554239	7.1705505	7.700279	7.209051
INO80B	6.68533	7.214757	6.815958	6.938349	7.291816	7.381654	7.550348	7.24001	7.250153	6.469591	7.255167	6.863175
INO80C	6.2437635	5.7944305	5.99945	6.218807	7.3854645	7.442031	7.6105395	7.353224	7.114511	6.9815435	7.4851515	7.213562
INO80D	6.359085	5.832508	5.6685	5.886136	5.782824	5.9974745	5.971892	5.947117	5.6584485	6.1320325	5.883258	6.0467575
INO80E	7.02355	7.994429	7.273013	7.472307	6.174646	6.565101	6.548391	6.041082	6.328894	6.598392	6.279939	6.988538
INPP5J	5.885468	6.161221	5.888855	5.683494	5.768186	5.821602	5.741736	5.758484	5.870363	5.846142	5.764728	5.888472
INPP5K	6.9893065	6.9465295	7.2530465	7.1437475	7.666315	7.7521665	7.5559575	7.628357	7.6463895	7.295203	8.0002185	6.9670745
INTS10	5.1593205	4.7272015	5.3811515	4.7945415	5.42806	4.939938	5.3146	5.24585	4.9750545	6.126789	5.3654905	6.2025235
INTS12	8.780036	8.664339	8.64311	8.508011	9.087463	9.221601	9.362675	9.056356	9.261116	8.925554	9.05052	8.991959
INTS2	6.603654	6.204833	6.246127	6.989519	6.795471	7.547548	7.255027	6.887726	7.140192	7.357235	7.206256	7.431962
INTS3	6.5673955	6.192082	6.3485255	6.519141	6.357693	6.1081285	6.239143	6.2255195	5.6396445	6.236153	6.2505275	6.2780895

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
INTS4	4.605013	3.391334	4.23944	4.327877	4.416785	4.193191	4.232769	4.310569	4.304349	3.51612	4.129023	3.846453
INTS5	7.4538565	7.392208	7.748377	7.9818205	7.88662	8.502139	7.743887	7.905839	7.4014465	7.6639835	7.910738	8.0244765
INTS7	5.393383	4.690646	5.276003	5.66866	6.506384	6.229783	6.167595	6.305228	7.10788	5.512753	6.091021	5.407686
INTS8	8.685798	8.246468	8.655231	8.642859	9.403107	9.478601	9.394824	9.484433	8.452363	9.26596	9.070714	9.14899
INTS9	6.2632885	5.879566	6.3506745	6.033632	6.6650625	6.9054	6.9908985	6.562468	6.351154	6.4504955	6.567385	6.750212
IP6K1	7.512237	7.392344	7.74315	7.924757	7.979824	7.916057	7.676543	7.870156	8.041759	7.830553	8.054582	7.849354
IP6K2	8.8269295	8.4207025	8.372586	8.2233355	8.7960195	7.7990325	8.542636	8.7593555	8.297215	9.1678775	8.655822	9.0789605
IP6K3	3.294196	3.75537	3.199118	3.533865	3.446847	3.994812	3.621306	3.658542	4.404099	3.716575	3.541105	3.616293
IPO5	9.898493	9.900591	10.06508	10.3034	9.522182	10.01149	10.08527	9.574751	9.48584	9.196361	9.573568	9.093457
IQCA1	2.750515	2.668054	2.862747	2.882511	3.34757	3.331081	2.997425	3.508902	3.299559	3.161328	3.381429	3.28424
IQCF3	3.863714	4.156289	4.251993	4.001369	4.132019	4.031352	3.781822	4.101697	4.008083	3.221254	4.222281	3.596949
IQUB	3.014704	2.913828	2.67036	2.917711	2.945513	2.79639	2.948446	2.770439	3.020047	2.740042	2.647613	2.667287
IRF9	8.588967	8.558186	8.864655	8.468249	8.795636	6.408553	9.311963	8.842122	10.12855	9.212452	10.38708	9.546831
IRGM	2.747651	2.828969	2.762618	2.708736	2.743313	2.664779	2.559067	2.620898	2.796416	2.488316	2.616478	2.469828
ISL1	4.249166	3.80154	3.874789	4.399842	8.131347	4.489188	7.609766	7.972876	4.080049	7.738615	4.696337	5.116269
ISM1	4.151882	4.190749	3.7901955	3.859408	4.216343	3.901924	3.671075	4.1461175	4.1541235	3.877274	4.631229	3.778863
ISM2	4.620072	4.847693	4.765922	4.62028	4.362384	4.383837	4.602109	4.633017	4.508916	4.774571	7.56325	4.91555
ISX	3.411877	3.625087	3.53592	3.28447	3.658736	3.500817	3.676057	3.508007	3.523094	3.477649	3.565093	3.273351
ISY1	7.3679505	7.020085	7.083639	7.395373	7.664639	7.211602	7.5817275	7.635353	7.491299	7.330145	7.6013295	6.9231625
ITFG2	5.601728	5.432395	5.590666	5.073293	5.202952	4.699984	5.532196	5.367218	4.850763	5.390703	4.982044	5.649124
ITGA9	3.6596135	4.0347065	3.89142	4.053997	5.777214	5.612058	4.1526475	5.651052	3.6878685	4.465275	5.6488325	4.379505
ITPRIP	8.197999	8.4436335	8.1174585	7.5253455	5.7451715	6.099627	6.1316995	5.717663	7.5272695	6.824992	7.2331835	6.64066
ITPRIPL1	5.153942	5.225478	5.2644	5.13582	5.753024	5.286464	6.451462	5.569905	5.271626	5.453468	5.173452	5.429147
ITPRIPL2	7.9974635	7.633733	6.9372885	7.1008685	8.314606	8.8076005	7.913167	8.216892	7.151672	7.096084	9.1493915	7.9190265
IWS1	8.270624	7.9788465	8.0539545	7.9250075	8.6413275	8.777951	8.6099585	8.6956975	8.2266965	8.32874	8.230202	8.237832
IYD	2.30305	2.192432	2.214781	2.376486	2.371795	2.469828	2.24373	2.209051	2.469828	2.331273	2.419312	2.469828
JAGN1	9.058834	8.726976	9.218058	9.241862	9.64077	10.02428	9.993933	9.544453	9.958068	9.111444	10.32158	9.308907
JAKMIP3	4.245781	4.661162	4.624828	4.542991	5.117854	4.656843	4.683119	5.177445	4.620174	5.425519	5.458918	5.690733
JMJD6	6.6238795	6.45353	7.031935	6.421013	6.121348	6.4997565	6.566828	6.0725025	6.6169685	6.110719	6.284499	6.2190355
JMJD8	7.62814	7.536955	7.603007	7.466875	7.144213	6.450375	7.263325	7.188654	6.759119	6.882863	6.727338	7.148899

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
KANK1	6.238707	6.35755	6.289968	6.452934	6.601724	6.433941	6.372971	6.639204	6.456109	4.948408	6.638816	5.414629
KANK2	6.680495	7.106283	6.868852	6.488976	5.383565	5.704269	5.507816	5.666086	5.314926	5.336834	5.717575	5.570315
KANK3	4.14225	4.72451	4.296081	3.977143	4.187879	3.949781	3.979177	4.161583	3.954576	3.806693	4.161583	3.759307
KANK4	4.673659	4.522229	3.950285	3.925641	6.328325	5.668777	5.367602	5.831168	4.179786	8.51307	5.825	7.216275
KAT2A	7.517011	7.85446	7.827771	7.34059	7.900819	8.829304	8.236416	8.016289	7.626331	8.140187	7.950653	8.412921
KAT2B	4.925341	4.602797	4.8431995	5.1527785	4.9668885	4.029194	4.585829	4.757046	4.6372345	5.2718785	3.654885	4.7451175
KAT5	7.60149	7.648242	7.810673	7.625872	7.380737	6.634985	7.428503	7.361135	7.99087	7.416529	8.153683	7.499578
KBTBD12	3.438911	3.476905	3.50015	3.550882	3.640165	3.495352	3.547148	3.853696	3.547148	3.563969	3.808158	3.390746
KCNQ1OT1	5.061305	5.001021	5.263409	4.796441	5.208071	4.807574	5.038274	5.108915	4.610473	5.727663	4.50806	5.42372
KCNU1	4.278971	4.309156	4.220995	4.490437	4.238804	4.23427	4.205908	4.128659	4.257504	4.097745	4.240792	4.226356
KCTD19	4.544966	4.941788	4.562277	4.674846	4.876419	4.647862	4.725574	4.939297	4.516482	4.252705	4.615005	4.594234
KCTD20	8.64779	9.0089	9.660955	9.125829	9.176732	9.327265	9.165362	9.001173	9.722021	9.33177	8.697546	9.499166
KCTD21	6.720607	6.17157	6.4302	6.769285	5.773126	5.871066	5.652311	5.957432	5.423265	5.714178	5.798773	5.712771
KDM1B	4.9503165	5.7768575	5.1800805	5.0316465	4.454884	4.85385	4.8655265	4.5308195	4.798927	4.7654745	5.2346915	4.379382
KDM2B	8.536122	8.436364	9.230176	8.97342	8.824359	8.879381	9.15313	8.866282	8.183741	9.13945	9.426725	9.159766
KDM3B	8.2454165	8.115529	8.2361835	8.358295	8.999479	8.734806	8.9723545	8.983445	9.0952615	9.223465	9.324408	9.276769
KDM4D	4.8687895	4.8068505	4.5628635	4.8273145	4.7572535	5.048875	4.9940015	4.776096	5.470473	4.5508855	5.740856	4.701507
KDM5A	6.810122	6.337641	6.637942	6.806147	7.00231	6.709611	7.032842	6.992018	6.646255	7.766494	6.591559	7.459611
KDM5B	8.78884	8.768903	9.129069	8.543118	8.977275	8.486631	8.003935	8.775172	8.291873	8.722882	8.414242	8.627468
KDM6B	5.795323	6.405728	5.182048	6.059896	5.870362	5.906893	5.97477	5.724901	5.600182	6.817384	6.308253	7.044392
KDSR	6.759356	6.7791345	7.263112	7.0137675	7.367018	8.3630365	6.8627445	7.379874	8.1772925	6.823797	7.941737	6.9335205
KHDC1	4.2750455	4.4183595	4.676956	4.5127235	4.097762	3.859698	3.837875	3.940598	5.0137485	3.652492	4.175947	3.8337115
KHDC1L	3.040493	3.09898	2.91043	3.175069	3.305661	3.036131	3.114428	3.065091	3.286642	3.010786	2.796785	3.045918
KHNYN	8.4857525	8.1288895	8.256583	7.856907	7.4153755	7.6226265	7.633201	7.4513405	7.2090385	7.570172	8.140041	7.6210595
KIAA0040	4.4228135	4.7202975	4.4391125	4.276794	4.701305	4.596673	4.53702	4.712336	4.422622	4.397489	5.787174	4.1112235
KIAA0087	2.24492	2.354523	2.396725	2.469788	2.403744	2.580469	2.306942	2.562104	2.379347	2.269022	2.577507	2.340607
KIAA0754	4.8056485	4.629594	4.4503675	4.4960305	4.438031	4.1219665	4.4861905	4.3573055	4.525376	5.721222	5.0230375	5.8837835
KIAA0895L	7.471878	7.097067	6.819594	6.774212	6.42489	5.852454	6.509916	6.68065	6.259089	7.928325	6.683468	7.659207
KIAA1107	4.57137	4.5063665	4.1912475	4.6940345	3.7444655	3.576642	3.397591	3.426736	4.4999175	3.7555975	3.6834085	3.844891
KIAA1109	3.500642	3.883123	3.565094	3.529395	3.865147	3.336433	3.313591	3.738945	3.417814	3.489111	3.330307	3.40847

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
KIAA1210	2.86682	3.21468	2.937869	3.0935	2.641656	2.502182	2.590598	2.646283	2.986373	2.409737	2.658653	2.397467
KIAA1211	2.727737	2.700066	2.676552	3.032953	5.969622	9.114256	8.814825	5.861784	6.539726	8.282582	7.923246	8.947235
KIAA1257	3.4188575	3.481258	3.3929635	3.465228	3.3961585	3.425752	3.301004	3.610094	3.3342295	3.5982655	3.5118345	3.340531
KIAA1549	5.234349	4.814328	5.292136	5.153897	5.785726	5.549171	4.34691	5.70632	5.178391	5.864993	5.253716	5.040335
KIAA1614	4.696717	5.209248	4.404584	4.509875	4.452877	4.600209	4.75458	4.383271	4.40551	3.854582	4.227878	3.641508
KIAA1671	3.709208	4.91429	4.763577	4.963415	4.782506	5.330758	4.645078	4.517705	4.766375	4.772536	4.982313	4.744479
KIF16B	5.621481	5.0117755	5.4702405	5.484154	6.1317815	5.9903375	5.4103455	6.0777995	6.199604	5.1910065	5.7595695	5.414598
KIF18B	8.008428	7.589222	7.344392	7.989138	7.746358	4.434693	8.875493	7.450338	4.816536	8.089229	6.845488	8.028387
KIF20B	3.4785	3.736048	3.478731	3.637114	3.677857	3.329763	3.728057	3.794864	3.152453	3.3249	3.39314	3.335329
KIF22	7.051333	7.340239	6.6549335	6.963856	7.2398155	6.8302335	7.9592305	6.9851015	6.4270425	6.7731725	6.91645	6.48012
KIF24	2.823261	2.670248	2.7407	2.58059	2.749458	2.901045	2.839598	2.745029	2.722672	2.940999	2.591834	2.834748
KIF26A	3.825395	4.724484	4.2608145	4.2696625	5.927356	5.504774	4.846017	5.7609665	4.627214	5.51309	6.0793675	4.958929
KIF2A	7.6533095	7.314651	7.851269	7.6205065	7.70144	8.245224	8.2152865	7.6201405	8.175268	7.535116	7.304854	7.686218
KIR2DL2	4.962309	5.0308	4.705751	4.756949	4.904812	4.631887	4.920586	4.983688	4.93637	4.764668	5.077401	4.231027
KIR3DX1	4.2540525	4.28911	4.3495565	4.423464	4.4041795	4.3876485	4.450328	4.319838	4.5140365	4.1793675	4.338828	4.3680885
KLC1	8.7823835	8.498724	8.610641	8.78417	8.7434375	7.607305	8.36367	8.8960445	8.858684	8.1173865	9.022112	8.1768875
KLHDC10	7.483677	7.342868	7.246868	7.593022	7.236198	7.682485	7.142404	7.031585	7.863616	7.701393	7.314777	6.811629
KLHDC9	5.66386	5.61292	5.759434	6.07138	5.922265	5.345704	5.051803	5.724517	5.520328	4.86329	5.791549	5.82621
KLHL24	4.680342	4.960497	5.1904205	4.56981	8.130718	7.525844	7.416155	8.187717	7.024321	7.0046895	7.2367935	7.3202335
KLHL28	7.722217	6.228112	6.671883	6.827374	6.510132	7.765735	6.223409	6.608017	6.496421	7.45864	6.604071	7.745282
KLHL29	4.613527	4.4562635	4.360133	4.827892	4.6313075	5.125535	5.047702	4.6291325	4.5557615	4.603121	4.9016185	4.681383
KLHL31	3.3930685	3.9128535	3.433459	3.399013	3.201802	3.52143	3.204345	3.3676385	3.2640025	3.2345665	3.330266	3.176691
KLHL32	2.478923	2.429348	2.290805	2.393496	2.502408	2.382644	2.277109	2.151298	2.50693	2.324832	2.41461	2.238454
KLHL34	3.0525915	3.245982	3.20661	3.240731	3.159032	3.0801505	3.444201	3.2675095	3.180153	3.1319795	3.285302	3.111724
KLHL35	5.011754	5.08485	4.907629	5.363793	5.227215	5.34186	5.024776	5.250276	5.279997	4.986691	5.484639	4.982733
KLHL36	8.276439	8.747573	8.331348	8.339012	6.8738	7.474348	6.969292	7.192945	7.593302	7.646478	7.285766	7.292622
KLHL6	2.9136095	3.011155	2.8422665	2.9600215	3.316142	4.7144665	3.3095215	3.34728	3.0798275	2.9499355	3.5036455	2.9193575
KNCN	5.183897	5.731339	5.22685	5.163875	5.070334	4.899746	4.43972	4.895637	4.537818	4.758123	5.235733	4.707818
KPNA1	7.8607095	7.520756	7.785848	8.1697625	8.239487	8.7100675	8.004328	8.2131725	7.611908	7.3397245	8.2188005	7.272467
KRBA1	6.812299	7.248605	7.202122	6.937284	6.983109	6.783847	6.616128	7.158159	7.306185	7.08005	6.954152	6.789548

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
KRBA2	5.522634	5.469444	5.649887	5.337657	5.433152	5.104865	5.426921	5.296626	5.628119	5.496453	5.153691	7.121446
KRI1	6.544106	6.562977	6.3206515	6.568092	6.8335495	7.4622795	7.392524	6.784163	6.2919195	7.1911305	6.8287655	7.4848135
KRR1	5.043452	4.567044	4.6227545	4.6151045	5.1657435	4.8716965	5.470887	5.1935065	5.2580665	5.604778	5.1068525	6.2771395
KRT2	3.52148	3.997452	3.76741	4.310777	4.090511	3.889646	4.274815	4.261935	4.163729	3.624414	4.139622	3.962301
KRT222	2.718803	2.847833	2.7368325	2.714119	4.7385415	4.85185	3.2634155	4.716866	2.740137	2.4833035	2.9038125	5.377344
KRT25	3.503633	3.667003	3.867831	3.540133	3.892928	4.114353	4.000834	4.441619	3.454153	3.468362	3.522578	4.120998
KRT27	3.388751	3.48462	3.35981	3.542454	3.472597	7.841826	3.983811	3.565093	3.427258	3.604874	3.34251	3.471338
KRT31	3.429692	3.727191	3.21861	3.639393	3.613239	3.785272	3.676057	3.613239	3.377843	3.533074	3.621887	3.281947
KRT32	4.717671	4.760663	4.749742	4.782092	4.730783	4.752234	4.831815	4.993254	4.788216	4.467927	4.520696	4.364136
KRT33B	5.833175	4.814136	5.110799	5.058161	4.938599	4.935076	4.812213	4.634066	4.812213	4.489099	4.995877	5.018958
KRT35	2.939423	2.809649	3.062344	3.137481	2.787281	2.923854	2.832331	3.37465	3.05756	2.539973	2.90039	2.673724
KRT36	4.293216	4.26179	4.242429	4.91037	4.259272	4.569026	4.309972	3.874346	4.195027	3.924	4.238366	4.050229
KRT37	4.490578	4.681119	4.680192	4.725083	4.978866	4.515408	4.613328	4.872201	4.552441	4.220239	4.613328	4.192122
KRT38	4.574637	4.305542	4.578542	4.885006	4.240846	3.92079	4.339201	4.249135	4.171148	4.470227	4.383423	4.445702
KRT71	3.901467	4.193941	3.782847	4.03952	4.366466	4.653471	4.253742	4.424795	4.228922	4.144141	4.275406	3.912641
KRT72	4.632282	4.728604	4.489782	4.657853	4.45497	4.102928	4.476701	4.250248	4.067976	4.363065	4.541494	4.29413
KRT73	4.108359	4.4703335	4.3573895	4.482283	4.424652	4.257799	4.3686585	4.407694	4.236802	3.903951	4.474325	4.1587785
KRT74	4.9794435	5.2410115	4.892278	5.4124725	5.1698255	4.946142	5.235754	5.078296	5.0934255	4.791592	5.182555	4.9990775
KRT75	5.169735	5.569888	5.457703	5.518164	5.471341	5.469465	5.320056	5.444732	5.672655	5.309889	5.339069	5.001375
KRT76	4.533024	5.214013	5.118405	5.152128	5.036513	4.884933	5.114766	5.268134	4.859351	4.533024	5.170841	4.850764
KRT77	4.061045	3.703586	4.078037	4.642516	4.20291	4.177669	4.205151	4.232773	4.022725	4.097967	4.192292	4.013279
KRT78	4.228384	4.058033	3.75212	4.1037375	4.1941905	4.227391	4.1940135	4.369622	4.116398	3.9348295	4.275027	3.768552
KRT79	3.962153	4.604646	4.51387	4.144787	3.950562	3.834828	3.657561	3.774405	4.114353	3.961709	3.971452	3.878006
KRT80	4.235886	4.293795	4.625504	4.412212	4.182932	4.645191	4.182979	3.849252	5.241338	3.894232	3.97866	3.74233
KRT81	5.906799	6.641997	5.758812	5.693422	6.127888	6.597465	5.050532	6.066142	5.211646	5.279996	5.296082	5.025446
KRT82	4.361507	4.925156	4.183887	4.6878	4.244188	3.917166	4.226138	4.475675	4.235869	4.188777	4.334832	4.513226
KRT83	5.25081	5.207024	5.309721	5.024458	5.166395	5.296727	5.363806	5.323228	5.180737	5.148425	5.427295	5.241896
KRT84	3.237962	3.923307	3.582669	3.663682	4.007771	3.786826	3.69978	3.684775	3.94942	3.561971	3.887086	4.127953
KRT85	5.556076	5.871042	5.421394	5.682889	5.675975	5.599287	5.596045	5.412641	5.443691	5.175544	5.525022	5.173862
KRTAP1-5	9.490524	9.192573	11.3066	10.55919	4.259271	3.965178	4.262609	4.661451	4.266517	4.041194	4.059134	4.242783

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
KRTAP2-1	3.44486	3.454895	3.34992	3.42646	3.280797	3.506452	3.312761	3.277225	3.505723	3.154557	3.385236	3.257856
KRTAP4-1	3.415699	3.490903	3.890386	3.350825	3.194539	3.112344	3.123247	3.455707	3.233556	3.279078	3.27635	3.39168
KRTAP4-11	3.777883	3.727412	3.79121	3.965083	3.745142	3.747955	3.656889	3.99119	3.907824	3.760908	3.749855	3.82901
KRTAP4-3	2.752381	2.925737	3.066832	3.115296	3.128093	3.080977	3.167145	3.106724	3.17952	3.314003	3.066243	2.914398
KRTAP4-8	3.953177	4.065564	4.249099	3.87299	3.938465	3.656662	3.777457	4.326919	3.953177	3.789095	4.163094	3.83863
KRTAP7-1	4.378111	4.751854	4.790568	4.829685	4.879084	4.867547	5.00808	4.783693	4.631667	4.701216	5.116197	4.741716
KRTAP9-8	4.166683	4.151704	4.058417	4.440197	4.454633	4.176421	4.414077	4.28662	4.007279	3.865263	4.007279	3.986605
KRTDAP	3.002339	3.197074	3.257276	3.205344	3.364605	3.292893	3.107901	2.972613	3.219333	3.256402	3.239356	2.926291
L1TD1	3.4664695	4.178996	3.92045	3.74412	4.8599205	8.471288	8.096137	5.1667805	3.879913	8.600599	4.7750515	8.41886
L2HGDH	4.701377	4.831466	4.955665	4.68918	5.116717	5.74903	6.284146	4.866472	5.148096	5.367848	5.298825	6.089081
LAGE3	7.840165	7.701653	7.652409	8.121927	9.299398	8.926543	9.100075	9.18001	9.227245	9.148273	8.945558	9.075719
LARP1B	4.9269075	5.1271915	4.9481165	5.073126	5.2351235	5.6987895	5.8581225	5.3870395	5.456224	5.6109245	5.2938245	5.52426
LARP4B	6.1376275	6.108753	6.1242	6.096651	6.3998775	7.0264525	6.590327	6.258606	5.9546775	6.1131875	6.026484	6.0297485
LCA5	5.237854	4.592452	5.220088	5.256757	6.412214	5.863633	5.527843	6.616954	5.409041	4.828259	5.079369	4.397652
LCA5L	5.050828	4.884669	4.764734	4.99378	5.279997	5.42871	5.338159	5.388277	5.036817	4.744107	5.186877	4.884376
LCLAT1	9.296306	8.872816	9.096961	9.289515	9.192266	9.247242	9.913236	9.168948	9.747108	9.298416	9.655232	9.089053
LCN15	6.13342	6.662892	6.509379	6.423457	6.326738	6.255375	6.352962	6.474159	6.494091	5.745582	6.214063	5.638673
LCNL1	5.116366	5.445887	5.2610445	5.3187485	5.307999	5.5006095	5.166021	5.378958	5.5444425	5.2128125	5.4915315	5.001677
LEKR1	3.5850175	3.555786	3.489787	3.613387	4.218389	3.8127905	3.6951775	4.143463	3.8622675	3.6673715	3.5923255	3.763782
LGSN	2.504033	2.740447	2.616355	2.533497	2.62573	2.800916	2.762558	2.685934	2.762041	2.488316	2.374157	2.516798
LHFPL4	5.451412	5.396968	5.377346	5.528878	5.619681	5.517053	5.586677	5.316729	5.674942	5.310522	5.37968	5.497306
LILRP2	3.371871	3.502756	3.230807	3.594002	3.09106	3.306127	3.117969	3.045255	3.089708	2.88233	3.288623	3.184565
LIMCH1	6.966671	6.1396255	7.776494	7.8550155	10.099933	9.6724205	9.594966	10.1701055	3.190833	9.811928	8.4853505	10.3655375
LIN37	6.5755165	6.8464535	6.355302	6.3808875	6.2365945	6.5047835	6.293508	6.281354	6.4190555	6.4373065	6.7746645	6.3752135
LIN52	6.675353	6.384162	6.4948715	6.8625735	6.3476395	6.7999655	7.121897	6.352414	7.749505	6.689084	7.5233785	7.3921435
LIN54	4.093411	3.817934	4.210069	4.30698	4.004265	4.066772	4.457809	3.977237	4.899282	3.715064	3.730158	3.986084
LINGO1	5.110395	4.97518	5.315832	4.474805	5.671835	5.355857	5.496919	5.508872	4.979531	7.219548	6.615785	6.615778
LINGO2	3.005932	3.033766	3.022418	3.141611	3.156694	2.871721	2.756085	3.14757	3.222664	3.683631	2.688056	3.778338
LINGO3	7.047366	7.323429	7.125842	7.179512	7.371898	7.243824	7.229182	7.522625	7.334702	7.02501	7.537735	7.207536
LIPJ	2.929909	2.909086	2.574562	2.74841	2.589453	2.557605	2.613628	2.662167	2.633718	2.470535	2.74711	2.40682

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
LLPH	5.876606	5.4915795	5.9663225	6.0233	5.7258765	5.8523085	5.8144	5.5848515	6.035782	5.8131875	5.780314	6.290496
LMF1	6.13209	6.295389	6.518057	6.139016	5.7978855	5.76891	5.267612	5.7223775	5.9143915	5.868452	6.0597455	5.6483595
LMF2	9.00904	9.238824	8.8520045	9.1060895	8.16064	7.747965	8.2275165	7.9589875	8.660976	8.410891	8.1849135	8.278822
LMOD2	3.661139	3.494468	3.380823	3.54734	3.157569	2.947489	3.44828	3.20441	3.046605	3.283306	3.005256	3.286482
LNP1	6.595506	6.7492	6.333307	6.334061	6.040627	5.993806	6.44258	5.800146	6.417951	6.267797	6.210385	6.037822
LOC100049716	4.5131995	4.869215	5.043597	4.8476095	5.0307255	4.792567	4.5733305	5.0302075	6.0918555	4.584443	4.4668255	4.523919
LOC100126784	4.370614	4.130016	4.453145	4.346202	3.784267	3.749893	3.641519	3.642334	4.285704	3.62727	3.921478	3.726413
LOC100128108	5.021806	5.581974	5.318825	4.661241	4.598648	4.00513	4.310921	4.673344	5.505497	5.422488	4.280501	4.579576
LOC100128164	4.296677	4.855355	4.170874	4.107234	4.355743	3.962569	4.252455	4.144383	4.314499	4.048135	4.214958	4.252455
LOC100128288	2.904377	2.673495	2.55856	2.797553	2.563251	2.451125	2.698198	2.599122	2.664643	3.634484	2.394352	5.919302
LOC100128653	6.15812	6.586109	6.400926	6.456645	6.615022	6.398028	6.264747	6.59268	6.527659	6.217524	6.641659	6.32942
LOC100128988	4.724428	5.205441	5.38603	5.279997	4.897786	4.71382	4.821815	4.900251	4.808551	4.904981	4.857058	4.596896
LOC100128993	3.433331	3.100861	3.057535	3.486279	3.189341	3.12292	3.32972	3.309587	3.183546	2.993543	3.10542	2.868982
LOC100129034	5.9933275	6.361807	6.1615985	6.353316	5.3145045	5.169185	5.0274835	5.281752	5.7863175	5.184548	5.2703685	5.475825
LOC100129098	5.708329	5.652098	5.782448	5.542132	5.451412	5.334679	5.598809	5.548907	5.427544	5.014629	5.582506	5.151222
LOC100129129	4.718936	4.9738035	4.5743615	4.781246	4.451856	4.354588	4.213427	4.4312335	4.1674865	4.3462975	4.3920805	4.1161485
LOC100129455	3.529621	3.852724	3.879953	4.154768	3.879953	4.59889	3.529621	3.692928	3.374134	3.983125	3.772098	3.903613
LOC100129503	5.672543	6.307472	5.446703	5.66969	5.513609	5.768675	5.710954	5.959782	5.811549	5.795441	6.156575	5.727655
LOC100129917	4.267663	3.939723	3.894476	3.9370515	4.970199	4.5054825	5.110704	4.7981225	4.3169665	5.5058775	4.4555485	6.079445
LOC100130111	3.613202	3.7579505	3.715011	3.75804	3.9670945	3.784816	3.905086	3.9596245	3.9171155	3.95996	4.039259	3.6630355
LOC100130264	3.416483	4.574151	3.672854	3.556553	3.339183	3.133948	3.483892	3.396797	3.155155	3.007901	3.199454	3.280403
LOC100130357	3.372054	3.287481	3.428562	3.493463	3.411633	3.830441	3.539091	3.621275	3.661322	4.01344	3.694438	3.41433
LOC100130370	5.130651	5.0262995	4.872193	4.790623	4.8379795	4.7205895	4.8860275	4.6342485	4.6205655	4.3404925	4.7276455	4.5218685
LOC100130452	4.369658	4.398854	4.65836	4.187695	4.35898	4.400678	4.429659	4.39	4.39	3.993129	4.390021	4.122452
LOC100130476	2.695239	2.55856	2.574028	2.760468	2.771973	5.30039	2.720301	3.011539	2.713561	2.96662	4.599912	2.733944
LOC100130691	4.050272	4.069106	4.27529	3.797789	4.010934	3.999244	3.465317	4.111737	4.05274	4.383254	4.884507	4.290602
LOC100130872	5.641451	5.885718	5.58097	5.86848	5.936252	5.190974	5.473882	5.886137	5.619826	5.594237	5.736936	5.306461
LOC100130950	4.278309	4.5201185	4.302696	4.3518355	4.291438	3.998782	4.295585	4.393172	4.5836235	4.4565205	4.6513975	4.317359
LOC100130964	3.537384	2.989051	3.098455	2.952376	4.470348	4.724016	3.879949	4.927378	3.657529	5.061643	4.031426	7.636317
LOC100130987	5.473148	5.636695	5.557032	5.348269	6.771301	7.439217	6.594944	6.689148	5.410184	6.201027	6.29329	6.021032

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
LOC100130992	3.29864	3.245561	3.889747	3.002248	3.245561	3.07309	3.180279	3.191764	3.809672	3.189391	3.404272	3.286519
LOC100131496	3.480521	3.659987	3.491892	3.344572	3.758538	3.392069	3.540975	3.599103	3.496055	3.530418	3.629877	3.598751
LOC100131532	5.164865	5.31174	4.818542	5.077652	5.086639	4.764792	4.451337	5.116873	5.00434	4.359482	5.12542	4.759364
LOC100132249	4.856377	5.087522	4.97479	5.002047	4.984735	4.954977	4.719352	4.669001	4.764668	4.916278	5.192661	4.771422
LOC100132356	3.661462	3.674163	3.637866	3.496621	4.36639	3.658949	4.003785	4.00501	3.90184	4.471053	3.916896	3.901076
LOC100132686	3.333395	3.129935	3.63851	3.348011	3.37868	3.687489	3.211604	3.504835	3.488822	3.46815	3.360431	3.448848
LOC100133315	6.096392	5.801202	5.904296	5.663922	6.14078	5.783336	6.245438	6.271863	4.521283	8.096408	5.083522	8.906097
LOC100133920	2.867849	2.799402	2.590311	2.803604	3.074828	3.062511	2.88655	2.973608	2.804917	2.824249	2.923592	3.120437
LOC100134368	4.386331	4.332926	4.100122	4.17765	4.277266	4.354273	4.334301	4.516829	4.243008	4.348374	4.404126	4.366389
LOC100190986	6.569074	4.6734375	5.421171	3.915925	5.9619365	5.444136	6.2321865	6.168178	4.53198	8.1712235	6.802359	8.414458
LOC145783	3.697233	3.487222	3.919564	3.912948	3.996042	3.536772	3.841324	3.954952	3.970873	4.251279	3.813473	4.043545
LOC145845	3.570742	3.476742	3.833555	3.612345	3.455923	3.49831	3.320142	3.588701	3.565177	3.195341	3.613478	3.261209
LOC148696	4.448323	4.627102	4.551528	4.598663	4.645964	4.674377	4.649575	4.876759	4.279519	4.385323	4.882636	4.790035
LOC148709	3.508466	3.56701	3.565093	3.629293	3.874999	3.654014	3.701506	4.061118	3.66672	3.705975	3.863363	3.485155
LOC150051	4.654435	4.27329	3.900518	4.114131	3.885127	3.778091	4.106437	4.138435	4.203723	4.27982	4.222049	4.737261
LOC151760	3.3406535	3.3420265	3.4905815	3.3247365	3.43581	3.4915915	3.7467305	3.385566	3.3586305	3.4415995	3.4671455	3.3348225
LOC153684	6.035935	5.582655	5.349783	5.592043	5.727991	4.906313	5.528339	5.675042	5.662956	5.9222	5.229177	6.220299
LOC154761	7.70106	7.724416	8.251196	7.03504	4.887733	4.76266	4.931278	4.900106	5.306557	4.579073	5.133112	4.744973
LOC155060	6.929024	6.88519	7.190473	6.53007	6.399287	6.223773	6.431196	6.379812	6.743745	6.944268	6.769511	6.925231
LOC202181	4.843295	4.9916625	5.2935745	4.6755275	4.746191	4.526312	4.804175	4.7601355	4.686735	4.9671395	4.6438635	4.3633415
LOC220077	4.9508905	5.5587445	5.364619	5.337405	5.199538	5.203673	4.900964	5.188723	5.3814215	5.1499775	5.3991945	4.853056
LOC254028	4.331893	4.328727	4.726126	4.583469	4.57256	4.42136	4.292026	4.601933	4.394188	4.201148	4.777513	4.158336
LOC257396	4.305674	4.559864	4.39188	4.782866	4.450371	6.682475	4.27429	4.725257	5.822147	4.135295	6.457948	4.283144
LOC283788	4.695299	4.2952445	4.263639	4.130264	4.168241	4.4548045	4.3749025	4.2850575	4.3919475	4.9387715	5.156644	4.604122
LOC284395	5.961928	5.792629	6.301136	5.870243	5.974022	5.916472	5.899874	6.120889	5.870363	5.733608	6.047225	5.900048
LOC285095	4.163805	4.385528	4.125385	3.928918	4.090055	4.363848	4.123714	4.078926	3.890812	3.992738	3.900449	4.038225
LOC285500	3.038497	3.172336	3.022417	3.124027	3.091379	3.001049	3.184205	2.902647	3.080924	3.08742	2.972142	2.928922
LOC286177	2.467685	2.810688	2.696432	2.610493	2.615658	2.529156	2.714299	2.705946	2.644834	2.671739	2.686833	2.756125
LOC338963	5.815545	5.919311	5.253013	5.688532	5.421361	5.264857	5.196899	5.250238	5.228508	4.976737	5.253762	5.083369
LOC339862	2.306973	2.587116	2.965112	2.706392	6.076993	7.062483	5.983596	6.472775	2.622671	3.519046	3.190886	3.539977

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LOC340357	4.556878	4.767406	4.748136	5.037476	5.386932	5.251892	5.054666	5.147291	4.933704	4.808021	5.373343	4.419724
LOC374443	4.412347	4.371264	5.132526	4.679619	4.053339	4.591228	3.386634	4.094664	7.430285	4.662115	5.090498	3.896775
LOC388780	5.422856	5.553741	5.470822	5.676747	5.399357	5.410521	5.177221	5.328396	5.061586	4.951316	5.665357	4.592504
LOC389199	5.448397	6.010909	5.254266	5.463264	5.570326	5.352549	5.185608	5.726583	5.504127	5.211955	5.410607	4.925157
LOC389641	4.494694	4.549727	4.510633	4.637409	4.674995	4.958738	4.712574	4.758796	5.050351	4.211836	5.238845	4.436385
LOC389765	3.086341	3.082597	3.899474	3.447014	4.379334	3.781822	4.671977	4.228399	5.149393	6.418163	4.620264	6.169903
LOC389895	2.82374	2.91747	2.628609	2.925401	2.52942	2.843855	2.489968	2.707564	2.801889	2.611451	3.212229	2.50494
LOC389906	5.502455	6.2014495	6.018425	5.1800825	7.298678	8.3325725	6.649438	7.32719	6.0227995	6.185409	6.716507	6.05687
LOC390705	5.6404725	5.852465	5.51582	5.8066555	5.8191175	5.972172	5.8169865	5.8274325	5.554221	5.5458015	5.810397	5.3991075
LOC401442	3.530849	3.678706	3.564096	3.636051	3.651059	3.504455	3.388048	3.516957	3.391118	3.091262	3.576288	3.369317
LOC401463	3.5389445	3.7318315	3.41849	3.2967465	3.4708785	3.426806	3.576583	3.518292	3.3396945	3.4634695	3.14859	3.092002
LOC440792	4.942317	5.105156	5.176689	4.9347535	4.959712	4.809497	4.5793655	4.9988405	4.989928	4.8576115	4.9511655	5.0512465
LOC440864	3.708507	3.689292	3.860249	3.66316	3.743135	3.628989	3.589255	3.666403	3.662843	3.532259	3.676057	3.343787
LOC440896	2.990392	3.174422	3.009902	3.166683	3.034402	2.988172	2.971327	3.001993	3.034968	2.731562	2.947337	2.759425
LOC441052	4.65361	4.468052	4.693972	4.263653	8.775937	5.581475	5.224376	8.761349	4.563027	5.107547	5.194863	4.821583
LOC441086	3.977817	4.47117	4.117481	4.257328	4.187204	3.99291	4.224727	4.208841	4.228738	3.888729	3.94866	4.133896
LOC441179	3.046295	3.104369	2.915818	2.833728	3.002491	3.046611	3.288271	2.970846	2.80654	2.945504	2.850399	3.038497
LOC441204	3.914581	3.7665525	3.952822	3.9503655	4.0246545	3.947008	4.1385455	4.027629	3.9051805	4.1943585	4.159945	4.589695
LOC441666	2.435985	2.340542	2.472951	2.540102	2.53671	2.449237	2.570649	2.559287	2.582265	2.680912	2.51405	2.625273
LOC442028	4.380877	3.990188	4.248576	4.080248	4.35535	4.309645	4.148757	4.222739	4.129416	4.323765	4.305186	4.483303
LOC497256	2.706829	2.663684	2.681839	2.491601	2.914437	2.804684	2.664779	2.727171	2.780005	2.983525	2.774539	2.55856
LOC51145	2.907977	2.814521	2.903542	2.754088	2.613006	2.618619	2.748122	2.635868	2.644228	2.622921	2.719115	2.747111
LOC541472	4.152227	4.40068	4.556072	4.729081	4.446437	4.059999	4.793417	4.248641	4.693389	4.149326	4.283424	4.090143
LOC554206	3.683529	3.371052	3.311423	3.4251845	3.451702	3.299158	3.3454515	3.400513	3.64468	3.557871	3.602945	3.678834
LOC613266	3.288659	3.565094	3.473552	3.364034	3.688534	3.220667	3.526642	3.529221	3.386026	3.569213	3.307402	3.291459
LOC642361	7.326459	7.250598	7.973456	8.244473	9.19634	9.086528	8.545857	9.096037	8.88265	9.024446	9.577832	9.154293
LOC643072	5.004457	4.999634	4.712593	5.304692	5.54711	5.493605	5.577414	5.537405	4.973722	5.377486	4.571112	5.216883
LOC643201	4.178693	4.320208	4.21009	3.827272	7.253616	5.551958	7.038002	6.985864	4.38899	7.135872	6.039312	5.685955
LOC644090	4.398068	4.699913	4.624828	4.699524	4.7531655	4.563266	4.259529	4.537629	4.566916	4.261991	4.5368525	4.4056055
LOC644135	3.038198	2.841872	2.851456	2.873499	2.7705335	2.6080665	3.044989	2.9429145	2.858533	3.7718685	2.7289575	4.901605

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
LOC644656	5.528131	5.109777	5.02837	4.851429	6.768228	5.488898	7.000777	6.798084	5.129715	6.448538	6.030445	6.469468
LOC645188	3.375193	3.413396	3.063233	3.137481	3.187104	3.168012	3.131028	3.165902	3.171886	3.129099	3.355235	2.896962
LOC645261	2.940986	2.947311	3.35131	2.762558	3.002933	2.690363	2.655418	2.931408	3.002933	2.964777	2.922646	2.649781
LOC645485	2.114981	2.287187	2.206207	2.400437	2.288485	2.456697	2.37624	2.258443	2.380798	2.410205	2.500357	2.540838
LOC645513	3.0790485	3.0260095	3.145982	2.7704415	2.9046505	2.79538	3.3529915	2.8802745	3.165498	3.707537	2.977436	3.096766
LOC646214	6.7975115	6.557403	6.7694455	7.0523365	6.889034	7.3566915	6.8475275	6.778892	7.162949	6.6644135	6.7673995	6.4721585
LOC646588	3.486225	3.994248	3.520782	3.951248	3.987595	3.863363	3.704355	3.94938	3.977742	3.943068	4.580852	3.624877
LOC646626	3.714996	3.510135	3.577994	3.290824	3.716259	3.331306	3.787556	3.587369	3.544916	3.594517	3.646946	3.502546
LOC646762	5.379457	5.2497445	6.579241	5.8771965	6.27	6.4554845	6.6459285	6.2147025	6.164065	6.8352825	6.7330725	6.508853
LOC646903	3.980278	3.807773	4.663061	5.975053	5.565526	4.862604	5.445908	5.330213	5.548074	5.880645	5.385807	5.325318
LOC647070	4.126107	3.900485	4.240183	3.9688885	4.0891815	3.8269695	4.0248885	4.023214	4.041372	4.596659	4.155796	4.786383
LOC648987	5.470098	5.949221	5.445209	5.552116	6.347346	5.831019	5.133491	5.769551	6.042656	4.847264	5.499964	5.498337
LOC652276	5.971139	6.099876	5.95666	5.726762	5.634477	5.371684	5.361354	5.809928	5.389202	5.277802	5.604602	5.354342
LOC653160	5.164865	5.269904	5.301254	5.346116	5.441253	5.402317	5.369642	5.396946	5.489238	5.164963	5.545619	4.788959
LOC654780	5.259509	5.366058	5.267642	5.429409	5.066742	4.787451	4.812069	5.066742	4.964141	5.297604	5.122623	5.673437
LOC728024	4.691142	4.610205	4.642225	4.634066	4.395534	4.273697	4.541279	4.41936	4.297591	4.67087	4.602592	4.512372
LOC728095	4.547502	5.014444	4.715018	5.002424	4.686216	5.31866	4.79588	4.795281	4.634066	4.429837	5.044414	4.850764
LOC728196	3.558448	4.034208	4.017785	3.752377	3.743813	4.17979	3.493565	4.088817	3.79074	3.71046	3.966318	3.76218
LOC728485	5.1650295	5.7138465	4.812023	5.2081345	4.8055865	5.825551	4.5996325	4.790438	5.2638215	5.003615	7.63782	5.972571
LOC728613	7.1934565	6.9250885	6.7012125	6.956383	7.157693	4.9291425	6.550996	7.016599	6.948454	6.505839	7.156034	7.0692495
LOC728743	4.8705515	5.482909	4.8602455	4.9396795	5.0130845	4.9829815	4.94833	4.714268	4.7326735	4.7999335	4.845276	4.8279815
LOC729291	3.442903	3.427589	3.4474765	3.298867	3.5111495	3.276012	3.120436	3.324055	3.4468085	3.3152825	3.387916	3.1823465
LOC729652	2.343066	2.352136	2.40886	2.359813	2.505054	2.605275	2.343066	2.22014	2.255973	2.114553	2.315738	2.216759
LOC729683	6.0960905	5.824134	5.941135	5.8904965	6.1127865	5.84561	5.9374775	6.0975685	6.62694	5.7624435	6.0536465	5.9499165
LOC729732	3.947225	4.112561	4.39413	4.248805	3.756397	3.850797	3.93032	3.573166	3.904031	3.899181	3.499118	5.824755
LOC729870	4.714429	4.871537	4.802309	4.7991	4.962351	5.172033	5.008081	4.889915	4.812134	4.687352	4.683982	4.93864
LOC729970	3.271674	3.587898	3.877333	3.486519	3.987014	3.85207	3.731495	3.695684	6.316894	3.278349	3.213428	3.031843
LOC730098	6.323929	6.401628	6.341297	6.341283	5.918778	5.459359	5.790702	5.843396	6.273527	6.138463	5.807355	5.915371
LOC730101	7.989136	7.718171	8.587777	7.69068	6.533929	4.641549	6.927512	6.568711	6.107682	6.649964	4.952168	6.899223
LOC730202	4.03985	4.325634	3.778379	3.994249	4.25755	4.711677	4.373593	4.238342	4.107247	4.260769	4.503907	4.275354

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LOC731157	3.269119	3.115943	3.427819	3.3253	3.579062	3.158216	3.447014	3.41266	3.297716	3.364938	3.418893	3.200284
LOC93463	2.546853	2.515486	2.353835	2.182623	2.263481	2.361429	2.522943	2.469829	2.282503	2.384245	2.32506	2.706248
LOH12CR2	4.179627	4.091584	4.185277	5.029145	4.689686	4.213726	4.545133	4.725838	5.671466	4.764668	4.422844	4.201885
LONP1	9.306086	9.553411	9.979783	9.485538	8.978924	8.76906	9.585655	8.88657	9.550812	9.519945	9.613615	9.671271
LPAR4	2.91506	2.859437	3.285989	3.149258	3.530718	3.080302	2.971327	3.319446	4.870794	5.379271	2.649922	3.459521
LPAR5	3.7239035	4.0895505	4.061843	3.7755415	4.163488	4.640135	4.0681435	4.2345785	3.8468455	3.82644	5.021421	3.593209
LPCAT1	8.442943	8.30666	8.357803	8.736881	8.161898	9.379082	9.102089	7.730186	7.826924	9.153214	8.820308	8.901985
LPCAT2	5.8014105	6.0990525	6.197678	6.806971	6.2425135	6.244333	4.7070935	6.0909525	5.21534	4.5536595	3.985441	3.82089
LPCAT3	5.670122	5.4495525	5.4468	5.8912985	6.4303225	7.5892785	6.5418665	6.481711	7.1323425	5.948251	6.5202315	6.1832635
LPCAT4	4.971292	4.866249	4.97479	4.678516	4.751004	5.961261	5.020363	4.647497	4.620264	4.803405	4.567363	4.77649
LRFN1	4.97202	5.130465	4.762328	4.516228	4.734127	5.574086	4.8919	4.963415	4.334343	5.401219	5.329309	5.012684
LRGUK	3.563424	3.612163	3.310653	3.547327	3.676057	3.849813	3.762414	4.019917	4.420238	4.112475	3.962873	4.423115
LRIT1	3.603354	3.99158	3.637798	4.058417	3.676057	3.278613	3.657636	3.838278	3.541131	3.308375	3.830971	3.343787
LRRC37A3	5.383906	4.964731	5.373394	4.889185	4.70781	4.512291	3.926887	4.589555	5.590538	4.854804	5.595274	4.909368
LRRC38	2.19113	2.411642	2.312015	2.478453	2.573676	2.437278	2.296244	2.713222	2.580515	2.488316	2.36647	2.287167
LRRC58	7.5659515	7.3767875	7.863307	7.763545	7.9850405	8.0252285	8.3960495	7.8118585	7.332059	7.084888	6.4882465	7.1398045
LRRC66	3.401501	3.504793	3.985524	3.246613	3.924478	5.881941	3.627661	4.085511	3.523233	4.080387	4.059694	4.560971
LRRC69	5.023992	4.36366	4.461502	4.121005	5.124356	5.219124	7.483814	5.200923	4.385701	6.449296	5.328429	7.203859
LRRIQ3	3.412068	3.289549	3.088701	3.2293375	3.9752095	3.692791	3.4225245	3.923367	3.4034465	3.459176	4.2048785	3.303344
LRRN2	5.110913	5.237503	5.147	4.865947	4.638314	4.900053	4.923292	4.903271	4.836677	4.933156	5.230785	5.035809
LRRN4	4.1178535	4.3085765	4.3074625	4.760321	4.443411	4.6684655	5.119751	4.551258	4.3765685	4.2913135	4.3929975	4.584198
LRRN4CL	6.212101	5.77221	6.592618	6.183659	5.467786	5.602437	5.193	5.715276	8.060227	6.306625	5.358226	7.190355
LRTOMT	4.7439495	4.6827415	4.672652	4.817273	4.581468	4.189825	4.4870085	4.5291075	4.622888	4.619737	4.678301	4.317237
LTBP2	10.79247	11.45881	11.68061	10.586345	6.849649	6.392282	5.0984685	6.891704	8.9577305	7.2936485	8.393495	7.711804
LVRN	3.7236595	3.7743745	3.509362	3.666321	3.6640875	4.9381475	3.725972	3.710617	3.679145	3.450981	5.0207415	3.432428
LY6G6E	3.964317	4.058505	3.711035	3.832288	4.118128	3.862952	3.960854	4.213955	3.949569	3.587476	3.851149	3.873289
LYG1	5.836514	5.686137	5.592506	5.831026	5.928762	5.881225	5.85163	5.843423	5.843793	5.817472	5.780882	5.821321
LYPD6	4.527931	4.459501	4.97479	4.616023	3.900519	4.546086	5.707944	4.281726	4.03346	4.460433	4.024619	4.620265
LYPD6B	4.760528	4.913595	5.842006	5.450571	4.309645	4.122174	4.050018	4.41865	4.114353	4.396908	4.259495	4.758563
LYRM1	8.84541	8.569996	8.912577	9.354816	8.934307	9.397337	8.706207	8.84154	9.431497	8.7719	10.2243	8.936771

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
LYRM2	6.548657	6.726216	6.536854	7.225369	8.120237	8.007629	7.909343	8.111135	7.840678	6.483739	7.590456	6.443052
LYRM4	7.6594555	7.668716	7.4189755	7.658718	8.0332725	8.579584	7.70135	7.960426	8.087029	7.469755	8.556885	7.4222525
LYRM7	7.150576	7.0838945	7.237217	7.5032305	7.859455	8.988609	8.1397655	7.783979	7.425443	7.513658	7.429126	7.8882585
LYVE1	3.031806	3.130787	3.263726	3.044977	3.027381	3.385564	3.259548	3.458685	3.254184	3.348707	3.176399	3.215292
MACC1	2.9802445	3.1283655	3.1417365	3.30646	3.25193	3.2066775	3.236204	3.288611	3.2592235	3.2177185	3.3683025	3.057208
MACROD1	5.3347065	5.421593	5.140817	4.889989	4.7893365	4.3534405	5.1373935	4.5847765	5.4105415	6.0260145	5.381959	6.601652
MACROD2	3.888313	3.9071125	4.1678965	3.9251065	4.649508	4.4224035	4.2477955	4.6665415	4.4599335	6.6590645	4.1418515	6.1496705
MAGEL2	3.056673	3.859825	3.939146	3.655716	3.19703	3.289032	3.200168	3.447672	3.57368	3.415489	3.211248	3.095954
MAGIX	4.73881	5.142695	4.814774	4.826873	4.834358	4.698274	4.813248	4.912737	4.748895	4.606352	4.740084	4.286201
MAGOHB	5.4824705	5.4396305	5.77941	5.9638905	5.5151815	5.1823835	6.0642325	5.2681885	6.2172305	5.4893025	5.6679905	5.7670845
MAGT1	8.538122	8.291062	8.065225	8.817981	8.861687	8.720672	8.812696	8.885881	8.792041	8.626101	7.943184	9.017504
MAK16	8.606399	8.414356	8.816292	8.754062	9.176099	9.543974	9.481867	9.107999	8.604106	8.855647	9.226473	8.939083
MAMLD1	7.379738	8.213286	8.896164	8.473508	5.376804	5.010141	5.023925	4.526484	6.318478	5.737424	6.164206	6.027297
MAP1LC3B2	4.369823	4.29523	3.934071	4.154597	4.021377	3.781255	4.104652	3.857726	4.019674	3.774863	4.075134	3.884856
MAP1S	7.670199	7.843059	7.152181	7.193596	5.465561	6.419366	6.218895	5.696355	5.848831	6.70137	6.61611	6.547374
MAP2K2	6.985769	7.660686	6.956703	7.301743	8.618252	9.103478	8.122006	8.538506	7.941829	6.751733	8.288754	6.641283
MAP3K1	4.5033275	4.694505	4.2617605	4.7007045	6.5931875	6.0186025	6.246041	6.4781625	5.432213	5.3791755	6.2320535	5.859547
MAP3K5	5.2811025	4.9453335	6.029859	6.248365	5.8860695	7.012728	4.4810425	6.18485	8.039149	5.3097275	7.094306	5.5919935
MAP7D1	9.590097	9.783645	9.501826	9.655858	9.259182	9.86908	8.938248	9.173979	8.95044	8.5216	9.016808	8.414698
MAP7D3	6.717674	6.559693	7.073323	6.874971	7.322202	7.625316	7.683741	7.229051	7.087729	6.765029	6.698693	6.3045
MAP9	6.316705	6.380193	7.0633475	6.094467	6.4247285	7.0214225	7.234311	6.4906725	7.407946	7.2579895	5.1390685	7.2529695
MAPK1IP1L	9.2239545	9.1835525	9.592691	9.594955	9.468179	9.742198	10.088605	9.499126	9.714866	9.939057	9.6547695	9.7531495
2025-03-01 00:00:00	3.0281305	2.9817395	2.9809015	2.7814665	3.1834775	3.0040295	3.7544725	2.9778775	4.577703	3.817079	2.926476	3.3288395
2025-03-10 00:00:00	4.2921015	4.4891295	4.384562	4.3014475	4.23038	4.232453	4.1917735	4.2445875	4.125013	4.215577	4.489576	4.1114755
2025-03-11 00:00:00	3.0745913	3.768533	3.813597	3.938646	3.903963	3.895552	3.972593	4.082489	3.89555	3.671618	3.774994	3.407819
2025-03-02 00:00:00	5.63443	6.265222	7.02396	7.183914	7.508066	7.45555	6.471797	7.539989	7.321927	7.034207	6.88878	6.965079
2025-03-03 00:00:00	6.2020725	6.4288445	6.0340245	6.8176	5.367628	6.4784875	5.2656925	5.386242	5.884095	5.8516295	7.098195	6.178185
2025-03-04 00:00:00	8.0540295	8.898365	8.766645	8.469198	6.576713	9.170282	6.42674	6.044402	6.681969	5.640728	9.071083	4.980702
2025-03-05 00:00:00	7.7656265	7.635482	8.164898	8.292421	8.358729	8.700618	8.120292	8.356619	8.629641	7.68571	8.3379735	7.513313
2025-03-06 00:00:00	7.0499203	7.4826035	7.5240415	6.6557585	6.636356	6.26814	6.4498215	6.5973585	6.3174225	7.0169295	6.4823615	6.950689

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
2025-03-07 00:00:00	4.0572631	3.794811	3.939212	4.251944	4.3638	3.5487	4.764668	4.121412	3.850131	6.310802	4.61323	6.659398
2025-03-08 00:00:00	5.0322558	5.691073	5.637524	4.884339	5.207281	4.964543	4.942945	5.02515	5.043227	4.662465	5.25322	4.383244
2025-03-09 00:00:00	4.0650609	4.863679	4.7121765	4.7289915	4.933673	4.5104895	4.9902635	4.988659	5.854967	5.660377	4.9513675	5.554531
MARVELD1	6.8248055	6.86149	7.11252	7.3336865	6.861794	6.297361	6.705474	6.7805445	6.904308	6.92375	6.8483875	6.7515405
MAST3	6.438509	6.357549	6.432242	6.094289	6.25913	6.686924	6.010295	6.198847	5.912474	6.252043	6.27983	5.817477
MAST4	6.819761	6.531872	5.727523	6.44486	6.57441	6.940556	6.318247	6.546053	6.165217	7.129808	7.334321	7.258496
MBLAC1	6.518926	6.58168	6.617946	6.497369	5.894966	6.01125	6.037254	6.163575	6.613382	6.137842	6.621885	5.808914
MBLAC2	5.3650905	5.5555955	5.576481	6.034993	6.797329	8.0993365	6.960307	6.6592575	6.548042	6.1583085	6.5782995	6.0359885
MBOAT7	8.1855155	8.240069	8.0814845	8.3736305	7.646816	7.382274	7.572017	7.659517	7.9704935	7.771987	7.5631365	7.5379805
MCAT	7.111854	7.200547	7.290778	7.525428	8.149952	8.858168	8.328424	7.973276	7.604128	7.598445	8.397002	7.541979
MCHR1	5.544151	5.948956	4.946829	5.061526	5.154808	4.74181	4.710491	5.052165	4.432806	4.383391	4.628108	4.002138
MCM9	4.918509	4.642831	4.394978	5.055394	5.218688	5.201796	5.921287	5.8909	6.514887	5.121035	6.235886	5.116565
MDGA2	2.385596	2.5216415	2.5123815	2.496296	2.573964	2.5007665	2.361376	2.4889295	2.6101135	2.4678565	2.254091	2.476157
MEAF6	6.101986	5.725105	6.260348	6.071719	5.561476	5.609819	5.418011	5.38978	5.729307	6.011081	5.872421	5.47032
MED1	8.01164	7.361475	7.226392	7.3700705	8.1254205	8.313773	8.2385675	8.036961	8.1602225	8.005901	8.1996925	8.3580915
MED10	8.45345	8.281079	8.807086	8.734529	8.145663	8.854969	8.150392	8.045094	9.008897	8.236762	8.937092	8.011962
MED11	8.231505	7.86353	7.987262	7.974698	8.370081	8.231281	8.290295	8.306101	7.590398	7.206802	8.032859	7.450673
MED13	6.746737	6.6746395	6.9176545	6.5562375	6.9471635	7.053738	7.404008	7.0331345	6.995557	7.396119	6.3699495	7.3626435
MED13L	7.311852	7.661777	7.355604	7.738415	7.056133	7.851227	7.226715	7.040013	8.255995	7.549462	7.055572	7.880939
MED14	5.078848	4.969637	5.353197	4.914658	4.980475	5.248456	4.607105	4.963415	5.128831	5.317935	5.756614	4.982302
MED15	8.397961	9.038657	8.403274	8.58195	7.693821	7.987658	7.48019	7.548954	7.08424	7.338459	7.286791	7.471564
MED16	7.041536	7.306636	7.440579	7.633599	7.115395	6.818321	7.160202	7.052133	6.917666	6.748976	7.056617	6.926576
MED17	6.598844	6.395005	6.793406	6.195673	6.193467	7.083128	6.256374	6.14857	6.863291	6.38675	7.451514	6.371659
MED20	7.383727	7.44578	7.1368735	6.9805925	7.774145	7.6287635	7.734895	7.8085605	7.691429	6.7916815	7.695307	6.654657
MED21	8.280999	7.9080615	8.0995595	7.9632495	8.833968	8.802978	8.644558	8.840334	8.283591	7.1701235	8.342265	6.723469
MED22	6.43871	6.583043	6.646653	6.626973	6.391454	6.509205	6.530169	6.092641	6.936538	6.572516	6.361738	6.330903
MED23	7.80964	7.587911	7.845051	7.508703	7.274781	8.1032	7.202122	7.327265	7.37833	7.30606	6.822211	6.771352
MED24	5.721078	5.56586	5.700742	5.8937875	6.0713815	6.0743235	5.8807425	6.189796	6.1167945	5.9126025	5.8913925	6.1421055
MED26	4.474197	5.378079	4.630848	4.644464	4.599742	5.174839	4.878937	4.959496	4.634066	4.922272	4.796875	5.05478
MED27	7.296065	6.81164	7.15654	7.771914	7.459633	7.650452	7.658689	7.399653	8.009695	6.964468	7.845175	6.713024

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
MED29	6.942499	7.171333	7.40514	7.683696	7.814314	7.901121	7.823662	7.616994	8.276511	7.706783	8.306305	7.886856
MED30	6.852139	7.051295	7.09938	7.542731	6.558269	6.069753	6.747382	6.296223	6.482908	6.551217	7.13873	6.071467
MED7	8.109521	7.766008	7.730562	8.554855	8.199377	8.423427	8.306218	8.186802	8.322614	7.51175	8.51137	7.239701
MEG8	3.930113	4.397675	4.021631	3.821385	4.064734	5.083799	4.114353	3.78211	4.037765	4.032846	6.280285	5.703344
MEGF6	6.0736805	6.8643705	7.1074565	6.770525	5.3470975	6.331371	4.803359	5.762912	7.9723475	4.9994575	6.9337655	4.5472915
MEIS1	7.0688545	6.656442	7.43828	7.682556	6.450054	6.1177735	6.5379565	6.461941	3.6854355	7.257204	6.389758	7.1736005
MEPCE	8.840014	8.984631	8.947289	9.095177	8.99949	9.082178	9.224786	8.986788	8.727459	8.791984	8.944475	8.775558
MESP2	6.209873	6.6692335	6.4231975	6.487361	6.504091	6.454239	6.2918335	6.5089035	6.4370805	6.4030545	6.84569	6.314519
METTL14	6.405184	5.879977	5.982194	6.3386935	6.8730535	7.2344465	6.8927945	6.805496	7.34835	6.883426	6.48493	6.645924
METTL8	6.732042	6.271839	6.166356	6.868258	7.436763	8.92779	8.285622	7.434422	6.452017	6.511433	7.378452	7.610211
MEX3A	5.992177	6.095428	5.474778	5.54844	5.95107	5.888927	6.321348	5.919082	5.714253	6.785615	6.281887	6.591294
MEX3B	4.900412	5.427794	4.889462	5.448696	7.689335	5.663447	6.642056	7.642666	7.257514	7.280401	6.125386	6.402839
MEX3C	4.980681	4.316461	4.334179	4.454301	5.048478	4.858381	4.934379	5.299381	4.849256	4.543062	4.72214	4.29554
MEX3D	5.114516	5.447554	5.155879	4.972215	5.318842	5.106068	5.277905	5.3677	5.093706	4.928971	5.104535	4.546593
MFF	10.37908	10.03337	10.482935	9.6863735	9.532851	9.1341435	9.201993	9.414882	9.683681	9.1078525	9.0395805	9.3854965
MFSD10	8.449648	8.778076	8.667862	8.449929	7.468283	7.982944	7.476407	7.373441	7.633041	7.788473	7.239909	7.467881
MFSD11	7.0404075	6.4416875	6.919774	6.840095	7.512961	7.556583	7.2946055	7.5899755	7.2200945	7.049891	7.6742545	7.613289
MFSD6	5.882173	4.8471375	6.0125265	5.511567	5.4423605	4.010043	6.4686815	5.2961005	5.644244	5.1326485	3.673732	4.273377
MFSD6L	5.816978	5.844395	6.087692	5.958275	5.807355	5.90043	5.86323	5.680367	5.843812	5.726617	5.843812	5.40711
MFSD9	4.123407	3.969061	4.21009	4.331532	4.567268	5.152816	4.71557	4.448999	4.98931	4.674236	5.00398	4.521391
MGC15885	4.999598	4.864388	5.267642	5.156109	5.221106	5.107493	5.083759	5.07986	5.622924	5.256021	5.166279	5.320401
MGC16025	2.77723	2.76211	2.568205	2.94371	2.622369	2.855871	3.038498	2.654752	2.591834	2.785102	2.704067	2.826295
MGC27382	2.563867	2.528949	2.454714	2.303275	2.623082	2.437657	2.500739	2.432389	2.289522	2.576741	2.285923	2.284963
MIAT	4.541122	4.111808	4.450005	4.412869	5.69864	5.754768	6.337633	5.658877	4.262335	8.758345	6.715281	8.143921
MICAL3	5.559697	5.787967	5.7101235	5.703161	5.6089795	5.622203	5.5515795	5.6017385	5.4161475	5.2087775	5.906707	5.2790265
MICALL1	8.7072325	8.5046185	8.7447565	8.940443	8.7540035	9.8012735	8.699138	8.7974085	9.1386775	8.1629925	8.955277	8.3133925
MICALL2	5.929432	6.056229	5.872812	5.851747	6.075336	5.922164	5.822464	6.219165	5.704121	5.927535	6.226456	5.784427
MIER2	6.869491	7.117208	6.685453	6.594516	5.807347	6.144349	6.081477	6.034198	5.789252	6.078605	5.768186	6.407615
MIER3	6.472718	6.045523	6.720452	6.380844	7.637831	7.772588	8.228094	7.791337	7.099784	6.927771	7.386483	6.566678
MIIP	6.6399615	7.046132	6.7964365	6.9063335	6.979351	7.4241255	7.25388	7.00974	6.6060485	6.940718	7.4948175	7.0154405

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
MIOS	7.649585	7.551387	7.898686	7.798115	7.339568	7.268176	7.523561	7.42451	7.537882	7.392985	7.418987	7.276342
MIR10A	4.012665	4.224029	4.133324	3.97514	4.931673	4.579532	4.328882	5.228148	4.081617	5.882236	4.836905	4.956295
MIR142	4.078127	4.3504535	4.414368	3.8669395	3.785035	3.8874205	3.8807755	3.9290365	3.916639	3.6916375	3.8988515	3.72686
MIR146A	4.466096	4.800904	4.481389	4.322003	4.216785	4.292131	4.309307	4.309307	4.193654	4.064423	4.305994	4.273971
MIR223	3.827893	3.64634	4.218999	3.726949	3.816287	3.5661	3.800244	3.917969	3.824873	4.102731	3.957601	3.991133
MIR30C2	4.362784	4.343822	4.367474	4.106197	4.417697	4.248933	4.168271	4.433139	4.459449	6.149464	4.36215	6.612638
MIRLET7D	7.349321	6.716981	7.175243	5.959408	6.468335	5.403188	6.833458	6.335387	6.893137	7.163228	6.963748	7.300305
MIRLET7I	7.736641	6.906142	6.971935	6.45305	6.49549	3.727746	5.987371	6.02195	5.151557	5.78613	4.756444	5.604556
MITD1	8.616358	8.567669	8.364423	8.632893	9.040573	7.932672	9.114384	8.932931	9.581342	9.094016	8.975081	8.85734
MKX	2.950406	4.401985	5.410972	3.192564	9.461601	6.982043	9.493146	9.394733	8.34178	7.943649	6.140882	7.377435
MLEC	9.215407	8.569972	8.715855	8.704534	8.192702	8.97334	8.635837	7.81075	7.790812	8.364385	7.731388	8.003437
MLST8	7.231417	7.560733	7.2335	7.497118	7.898404	8.4884	8.302331	7.965574	7.968832	7.950812	8.036892	7.950053
MMADHC	11.43847	11.18343	11.39712	11.62249	12.16692	12.15943	12.1882	12.17389	12.0987	11.39065	11.82782	11.18358
MMGT1	8.968495	8.738965	9.279185	9.411549	8.916051	8.960467	9.208214	8.824251	9.21999	8.439342	8.346287	8.354616
MMS19	8.813253	9.087242	8.982689	8.505575	8.560652	8.507872	9.123725	8.473709	7.886899	8.78938	8.208538	9.02045
MNX1	5.17133	5.377244	5.315061	4.758976	4.626979	4.758093	4.610535	4.698395	4.672154	5.087605	4.866462	4.965084
MOGS	7.618452	7.557726	7.456653	7.72868	6.870674	8.059972	7.596742	6.761923	7.127563	7.985841	7.185554	7.918366
MORF4L2	6.727952	5.92343	6.416353	4.744575	5.069263	4.320515	5.547194	5.305901	5.546436	6.602014	5.338945	7.278496
MORN2	7.892612	7.605693	7.779199	8.200897	8.384107	8.099557	7.427702	8.232819	8.124389	7.933476	8.410653	7.451284
MORN4	5.6423765	5.5574715	5.680317	5.928189	5.7928215	6.159972	5.283842	5.812637	7.1941735	6.073286	6.809363	5.7608755
MORN5	3.899483	3.952813	3.931781	3.26951	3.510968	3.090373	3.51403	3.40132	3.48462	3.436867	3.59943	3.494809
MOSPD1	7.66116	7.340231	7.409389	7.7221515	7.6827005	8.3245885	7.7517405	7.7537695	8.9790115	6.7322145	8.051047	6.7435745
MPEG1	3.140721	3.0042205	3.312978	3.018783	3.0364615	2.940183	2.9211635	3.1238135	2.991181	2.882523	3.0726105	2.8281415
MPHOSPH8	8.134902	7.9902295	7.8186055	7.553636	7.6421755	7.72467	7.8181285	7.4641605	7.2229135	7.958103	7.5360395	8.4616715
MPHOSPH9	6.0846555	5.8209475	5.5636765	5.602462	7.060101	6.651509	7.395379	6.802388	6.3574135	6.998655	6.264445	7.104982
MPRIP	6.4083315	6.6075285	6.3377945	6.5314145	6.2558135	6.371236	6.2129295	6.0817505	6.218978	6.616859	6.752966	6.309692
MPV17L	7.196954	7.345208	7.388207	7.489847	7.550939	7.594397	7.677145	7.692261	7.423831	7.23003	7.519313	7.266176
MPV17L2	6.042567	5.82992	5.600302	6.594943	7.259829	7.553784	7.462584	7.267086	7.509848	6.7046	7.775989	6.806571
MPZL2	2.961767	2.911872	3.259718	3.014945	4.160248	4.860927	4.023011	4.333643	3.136343	3.119184	6.432253	5.715881
MPZL3	2.665353	2.538384	2.941948	2.658382	2.601252	2.592351	2.473186	2.651267	2.633718	2.751347	3.158036	2.957821

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
MRAP2	4.536407	4.555633	4.60561	5.130662	4.507735	4.411041	5.480072	4.74929	5.491999	7.041913	4.66598	6.875969
MREG	6.3931695	5.7008245	5.93561	6.166108	6.649062	6.6710745	5.63435	6.6814435	4.982199	4.907683	5.6452065	4.520167
MRI1	8.111536	8.270226	7.9639625	7.7456675	7.792243	7.4926425	8.093993	7.8212765	7.3733915	7.9357155	7.9120485	7.592173
MRPS25	6.351465	5.9177255	6.431479	6.1275405	7.2316975	7.0772125	7.684447	7.082945	7.264288	8.5482705	7.357911	8.773284
MRS2	6.542504	6.1925935	6.799144	6.9851975	7.8210535	7.7604135	7.6512525	7.690607	7.4011205	7.2309145	7.0176755	7.1061875
MRTO4	7.540824	7.757731	7.6549675	7.8459425	7.95342	7.862148	8.3642275	7.9739075	7.624483	7.6593055	8.165986	8.5197165
MS4A14	4.095872	3.699772	4.051826	3.86262	3.759227	3.565093	3.969445	3.708109	4.069105	3.655532	3.751519	3.433467
MS4A15	4.085952	4.029841	4.256754	3.788395	3.578024	3.987484	3.759006	3.929602	3.725909	3.57717	3.98805	3.793097
MSL1	9.636553	9.529804	9.522141	9.401706	9.103681	8.428012	9.21622	8.808187	9.085093	9.485759	9.295772	9.155327
MSL2	7.520675	7.267627	7.254276	6.9989	7.439896	7.738722	7.686968	7.38315	8.170955	7.559429	7.247347	7.386673
MSL3	5.707357	5.228016	5.557127	5.883532	5.58874	4.918958	5.621784	5.594332	5.607952	5.519993	5.32843	5.537916
MST1	6.8652455	7.084059	6.948606	6.9276845	6.9413175	6.417872	6.46132	6.9458405	7.020537	6.850514	6.9541565	7.0585
MSTN	3.50761	2.638386	3.44548	4.289828	2.107461	2.277876	2.299928	2.282503	2.189269	2.23542	2.253137	2.658541
MSTO1	7.4003955	7.2527885	7.2636665	7.487742	6.9528665	7.287944	7.6315715	6.8980955	7.482871	7.307675	7.5847595	7.4349705
MTHFSD	4.185889	4.1671245	4.2892425	4.200078	4.510735	4.60142	4.488185	4.487687	4.383376	4.3301965	4.45642	4.4001655
MTMR10	5.7402005	6.002341	5.864801	5.9871065	6.344621	6.4988725	6.376797	6.4407055	5.653985	5.9149605	6.0517405	5.9082105
MTPAP	7.7779335	7.4954165	7.673575	7.530537	7.9941175	8.570929	8.5333115	7.959855	7.997504	7.8645145	8.0324845	8.2224945
MTUS2	5.242852	5.2418045	5.1935195	4.9513695	5.52914	5.047339	5.810727	5.5116765	4.528347	5.641524	4.75417	5.956589
MUC12	3.9425215	4.3721355	4.2149015	4.2836005	4.341798	4.317634	4.373062	4.1650905	4.0357125	3.949186	4.1081095	4.013583
MUC19	3.769316	4.103606	3.892503	3.823464	4.03893	4.568332	4.305164	4.208412	3.911665	6.3254	6.001961	6.325758
MUC3A	5.213915	5.520293	5.267642	5.419902	5.254177	5.202832	5.169172	5.187128	5.187128	4.880274	5.517802	4.808363
MUC3B	5.637348	5.846455	6.18188	5.182504	5.097878	5.032906	4.93288	5.220304	5.081876	5.098835	5.396375	5.127136
MUC5AC	5.343471	5.331133	5.120624	4.934354	4.898634	4.950117	4.796576	4.932986	4.841733	5.050151	4.756094	4.834563
MUC5B	4.1067265	4.49644	4.228901	4.3911025	4.3638105	4.449476	4.371535	4.3348185	4.3715635	4.2267175	4.374982	4.499737
MUC6	4.5985715	4.3994645	4.1971175	4.2433805	4.282501	4.2908445	4.210414	4.2206435	4.339057	3.9421815	4.283769	3.9434035
MUCL1	4.988108	4.994675	4.902185	4.653443	5.188192	4.569918	4.458733	5.177681	4.584072	4.704427	4.416481	5.122647
MUL1	7.397577	7.616681	7.876989	7.613151	7.426263	7.84531	7.598671	7.53902	7.716496	7.549462	7.72625	7.258304
MYBL1	4.706213	4.991191	4.854749	4.670296	4.503152	4.619523	4.833054	4.267257	4.518548	4.18429	4.654788	4.112634
MYCNOS	4.4405145	4.515616	4.465138	4.1761775	4.07214	4.019121	4.0281	4.073848	4.190642	4.147226	4.268716	3.920442
MYH15	3.696969	3.343244	3.228551	3.496171	3.222556	3.205991	3.512898	3.086558	3.251355	4.038786	3.340183	4.876545

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
MYL12A	6.4174625	6.702642	5.7264425	5.734155	5.693971	4.990646	5.818946	5.820681	6.7289085	4.890079	6.25799	4.7772115
MYL3	5.267761	5.421469	5.660612	5.453825	5.425249	5.432542	5.601056	5.510465	5.449949	5.077243	5.457176	5.069166
MYL6B	9.706024	9.537484	9.423354	9.722206	9.919106	8.809501	9.54683	9.810636	9.845634	9.485465	9.157446	8.928999
MYLK3	2.718408	2.821504	2.708737	2.684939	2.689396	2.834858	2.760368	2.664779	2.656242	3.139427	2.709613	3.120055
MYLK4	3.636207	3.295239	3.852808	3.827272	3.848294	3.702677	3.536419	3.78204	3.994213	3.642123	4.051261	3.737208
MYO15B	5.772316	6.064102	6.112937	5.777747	5.772303	5.808751	5.648228	5.653526	5.728161	5.813433	5.765937	5.667772
MYO16	4.279735	4.0603705	4.056201	3.924767	4.1539745	4.9213825	3.9127305	4.1598645	4.1010625	4.1423175	4.10483	5.9220755
MYO19	6.312018	6.0989735	5.7920225	5.813206	5.6103535	5.184517	6.434188	5.4528475	5.4579365	5.88503	5.6741935	6.0737195
MYO1H	3.141422	3.144004	3.007028	3.115518	3.020083	3.060978	3.154687	3.087238	3.002037	2.767949	3.28377	3.038498
MYOF	11.31164	11.38269	11.27665	10.96607	9.9409	10.57779	9.135185	10.10485	10.19982	8.854243	10.66028	9.444828
MYPOP	6.441573	6.672833	6.431293	6.081483	6.27474	6.538945	5.977645	6.014487	6.396602	6.22612	5.981497	6.164478
MYSM1	6.152124	6.027452	5.63306	5.218862	5.220539	5.187245	5.092156	5.201251	4.74309	5.194718	4.637324	4.903027
MZF1	7.3683305	7.411798	7.4916325	6.821743	7.3827655	7.285773	7.2432635	7.3593565	7.380829	7.604839	7.4959225	7.4410445
N4BP2L1	4.2597195	4.2822545	4.2248565	4.214531	4.0297215	3.689795	3.7390885	3.909073	4.254998	4.3507495	4.1358525	3.9105095
N4BP2L2	7.897717	7.0957005	7.8101325	6.8643835	7.2749385	5.990856	7.146671	7.2287505	7.3518985	8.39137	6.9317365	8.8248315
NAAA	6.288181	6.797695	6.388341	6.997731	7.2129355	6.8248385	6.9395525	7.2841825	5.842884	6.683935	7.152022	6.3442625
NACA2	3.426021	3.682823	3.569829	3.735702	3.481946	3.577662	3.716767	3.976378	3.565094	3.303896	3.517595	3.544995
NACAD	6.652245	7.17772	6.645638	6.401638	6.619245	8.543596	7.267035	6.671204	5.907928	6.529168	6.74861	6.63783
NACC1	6.855041	7.2295795	6.8495115	7.119383	6.7185655	7.169715	6.7649745	6.6432335	6.403489	6.5913745	6.680238	6.702781
NACC2	6.6604685	6.737553	7.1104915	7.098234	9.238001	7.876378	8.292292	9.2470235	6.679977	7.752989	7.6035325	7.204214
NADK	6.6248465	6.8693555	6.77238	6.7401275	7.9724705	8.1991945	8.42061	7.8963105	6.7972475	7.3259155	7.250285	7.147881
NAE1	10.71903	10.26794	10.74294	10.60817	10.18321	11.17125	10.68707	10.10212	10.38196	10.1256	10.06873	9.99649
NAF1	7.396855	7.646228	7.190298	8.160431	8.199463	8.516563	9.135014	7.974936	8.519175	7.93717	8.236176	8.099329
NAIF1	5.1603635	4.8682145	4.957082	5.0140975	5.0960705	5.025713	4.99584	5.132784	4.8153295	4.810796	5.1717455	4.9027495
NALCN	3.249953	3.432291	3.65196	3.923671	2.930654	2.804366	2.969006	2.930654	3.562536	3.144371	3.004523	2.944217
NAMPT	8.810066	8.734516	8.6816925	8.001867	8.1631485	8.456575	8.070487	8.105496	9.384253	8.193969	9.823061	7.926842
NANOS3	5.537352	6.073823	5.695968	5.207468	5.552116	5.215799	5.262214	5.43521	5.772932	5.323425	5.419748	5.239387
NAPEPLD	5.060244	4.635098	4.824491	5.076373	5.781242	5.89132	7.111045	5.807098	4.852663	6.058166	5.171803	6.532767
NAT14	7.299994	7.480978	7.023475	7.285538	8.296916	7.305817	8.137329	8.223142	8.252601	8.187351	7.968467	8.148602
NAT8B	3.781823	3.787604	3.872611	3.862104	3.787604	3.717088	3.80324	3.921156	3.826138	3.882622	4.189254	3.745369

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
NAT8L	5.1264735	5.4263505	5.44549	5.2648725	5.497114	5.6448055	5.5486765	5.4291125	5.614382	5.578223	6.446026	5.645821
NBAS	5.152857	5.224481	4.726133	4.093358	4.45598	4.677888	4.790826	4.347952	4.28143	4.435417	4.33856	4.44307
NBEAL2	4.6664235	5.5092515	5.0486195	5.125016	5.1263865	5.0818275	5.216597	5.023736	4.931302	4.8683585	5.0952	5.439587
NBPF4	4.052743	3.966024	4.017937	4.079375	3.913404	3.779029	3.8524	3.94762	5.4647	3.774946	3.852903	3.803649
NBPF8	2.976828	2.749291	3.022417	2.529848	2.56363	2.528951	2.931013	2.700428	2.626755	2.895379	2.808255	3.16466
NCAN	3.920343	3.870426	4.5223	4.091276	6.829306	7.238496	9.938248	7.005865	4.520312	11.77344	9.313072	11.88751
NCAPD2	8.078408	8.151477	7.883631	8.000749	8.517686	5.918008	8.600287	8.224595	5.889057	7.894421	6.619494	7.551157
NCAPD3	8.101528	8.06287	8.046397	8.375962	8.848045	7.475527	9.016577	8.571267	7.750735	8.049322	7.874084	7.981607
NCAPG	8.248156	7.654393	7.6850765	8.466436	8.895491	3.884046	9.545894	8.6608425	5.120149	8.907289	6.4954355	9.414531
NCAPH	7.617997	7.217129	7.013384	7.504175	7.586958	5.114687	8.540133	7.112044	5.459523	7.199922	6.009022	6.947814
NCAPH2	5.866725	5.912046	5.768008	6.230418	5.612516	5.385018	5.767371	5.526769	5.65381	5.665528	5.492016	5.530237
NCKAP1L	5.225833	5.494701	4.806882	5.439697	4.939035	4.820796	4.500719	5.025719	4.114353	4.537317	4.168538	4.857877
NCKAP5	2.41756	2.592718	2.947069	2.898833	2.770101	4.240302	2.505783	3.313964	4.960752	5.352052	5.701415	4.537586
NCLN	4.597574	4.965552	5.341573	5.493291	5.073194	4.794198	5.101352	5.233151	4.868991	4.728893	5.410096	4.738787
NDC80	8.893443	8.304443	7.685931	8.539968	8.562548	4.014183	9.295461	8.199756	6.75951	8.179152	5.969623	7.904248
NDUFA2	4.759004	4.711508	4.833738	5.368941	5.30447	5.06552	5.341795	5.457232	5.192242	4.702013	5.673302	5.016028
NDUFA4L2	6.676991	5.654776	6.685252	6.755209	5.253633	5.212414	4.835434	5.304469	5.947487	5.110023	5.348978	4.779693
NDUFA6	9.5617905	9.1736445	9.258923	9.525312	9.8381295	9.053163	9.8954015	9.714707	9.463117	9.488585	9.5624915	9.435764
NDUFAF2	9.636622	9.777802	9.376543	9.614272	9.468569	10.63816	9.752696	9.339161	9.192362	9.180195	10.43247	9.588129
NDUFAF3	8.2015885	8.356672	8.0636635	8.4676945	8.2647635	7.8354535	8.462592	8.326847	8.2401525	8.109714	7.985001	8.233298
NDUFB9	11.07943	10.74371	10.55161	10.91528	11.66429	11.94615	12.02976	11.6351	11.055	11.2962	11.72119	11.41404
NECAB1	2.272065	2.221463	2.665042	2.563208	2.549118	2.504109	2.370482	2.282503	2.3147	2.324607	2.376837	2.133011
NECAB2	5.675071	6.21663	6.245413	6.337088	6.507664	6.277648	6.71711	6.316577	6.037005	6.516183	6.954406	7.028629
NECAB3	6.963147	7.258531	7.155415	7.247773	8.1850435	7.3725585	7.680346	8.2451255	7.0503825	7.351133	7.267462	7.438747
NEURL1B	6.449167	6.509334	6.793255	6.155031	5.346666	5.114864	5.943398	5.15663	4.885828	7.619801	6.275358	5.998472
NEURL4	6.246337	6.531342	6.083436	6.187798	6.227971	6.327923	6.65683	6.054779	6.024638	6.581566	6.292576	6.964605
NFKBIA	6.75768	7.063463	6.7732075	6.5760945	6.791804	6.257362	6.844743	6.821802	7.034546	6.764393	7.408128	6.6765535
NFKBID	5.489302	5.713634	5.583759	5.536495	5.378826	5.273205	5.137217	5.319076	5.396102	5.226629	5.363872	5.551258
NGF	7.514599	8.603281	7.452569	7.188606	5.030319	5.602736	5.300344	5.384085	6.826547	5.516167	5.000705	4.889936
NHLRC3	4.8692	4.871452	5.010752	4.748561	5.5438365	5.607238	5.94201	5.309873	6.127098	6.336851	5.750782	6.3755085

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
NHLRC4	6.887523	7.156067	7.098907	7.142116	7.136135	6.845488	6.693794	7.172426	6.908712	6.622506	7.004009	6.729985
NHP2	11.65354	11.5596	11.27597	11.5375	12.22048	12.5471	12.43804	12.18509	11.30324	11.85902	12.37608	11.6845
NHSL2	4.632792	4.561371	4.270542	4.748242	4.866676	4.490988	4.465881	4.802145	4.818151	4.538622	4.830706	4.567076
NINL	5.844256	5.495717	6.520943	5.948363	6.00128	5.712948	6.294904	5.934554	6.28689	6.779284	5.049982	6.769285
NIPAL1	3.5964335	3.5147675	3.501881	3.4824665	3.659901	3.9550185	3.661241	3.7321275	3.4473775	3.57554	3.646052	3.325747
NIPAL2	7.138693	7.032037	7.225607	6.297781	6.378119	6.895825	5.843384	6.248101	5.83785	4.460433	5.874467	4.608148
NIPAL4	5.20814	5.955181	5.259863	5.757651	6.043293	5.552117	5.997168	6.161147	5.851748	5.268438	5.553324	4.939474
NKAIN1	4.76985	4.991754	4.787546	4.763659	4.854027	4.906312	5.140654	4.755935	5.174839	5.39575	5.054223	4.944837
NKAIN2	2.885606	2.852748	3.1685	2.8649775	4.5213785	2.943975	4.479764	4.4823675	2.936048	5.537198	3.0453125	6.62741
NKAIN3	4.180943	4.117259	4.424098	4.228227	4.270664	3.942365	4.197183	4.359392	4.034553	3.907119	4.230751	4.375247
NKAIN4	4.338675	4.560383	4.3704115	4.329604	4.4345285	4.399505	4.402604	4.3423395	4.573449	4.4068025	4.4604025	4.250893
NKAPL	3.8657205	3.980496	3.6467185	4.052584	3.7391175	3.2597745	3.9621595	3.75902	4.743554	4.0660555	3.407289	3.50931
NKX1-1	6.092086	6.644615	6.130901	5.910964	5.916428	5.560498	5.609596	5.959789	5.594432	5.078661	5.64432	4.719578
NKX2-1	3.825909	4.204664	4.11599	4.006155	4.423479	4.197393	4.222021	4.207783	4.06751	3.994944	4.198185	3.9889045
NLRC3	2.712883	2.790592	2.756133	2.589671	2.887875	2.92282	2.875384	2.929107	3.021995	2.838075	2.980125	2.858105
NLRC4	3.046117	3.057393	3.0422165	2.875075	3.1005725	2.904835	2.971764	2.9537265	2.9916845	2.9939885	3.18685	2.897235
NLRC5	7.202122	6.79333	6.668882	6.517915	5.888385	6.987269	8.044485	5.520277	8.044133	7.852268	7.990836	8.16565
NLRP10	4.309646	4.319334	3.930177	4.25321	4.035471	4.944353	3.897008	3.976866	3.875854	3.976866	4.051261	3.489137
NLRP11	3.653704	3.904103	3.464121	3.748206	3.869955	3.788466	3.651747	3.884763	3.730684	3.487775	3.645446	3.64431
NLRP12	5.106187	5.298524	5.4302515	5.3329155	5.5848475	5.2387915	5.245406	5.54567	5.131442	5.1294025	5.3846045	4.91628
NLRP13	4.84901	4.832961	5.086648	4.968674	5.035459	5.246551	5.270091	5.398058	5.131793	4.307685	5.131793	5.198308
NLRP14	3.863363	4.103727	3.943834	4.346375	4.21009	4.537873	4.232317	4.176993	4.362115	3.991176	4.038766	3.898393
NLRP2	3.059048	3.08955	3.2017115	2.887036	2.9172115	3.7787945	2.922256	2.922181	3.114185	2.934679	2.902116	3.026311
NLRP4	3.669732	3.712237	3.310188	3.657881	3.844089	3.545441	3.889147	3.49499	3.648314	3.537914	3.684472	3.454758
NLRP5	3.488061	4.419135	3.948518	4.144567	4.07338	3.92715	4.074464	4.375293	3.627314	3.825282	4.206217	4.026113
NLRP6	3.677853	3.656113	3.565093	3.602617	3.447014	3.557379	3.513406	3.563342	3.504473	3.002806	3.728807	3.213399
NLRP7	4.093122	3.959838	3.983088	4.436691	3.902929	4.089308	4.137115	4.169463	4.068694	4.191795	4.125185	3.873288
NLRP9	4.686242	4.661011	4.533821	4.583469	4.803281	4.704974	4.97479	4.895507	4.678516	4.566431	4.871852	4.356874
NLRX1	7.0071765	7.1779985	7.465619	7.190219	7.0199545	7.05633	6.9495525	6.948811	7.1408485	7.186581	7.063632	6.7982015
NMRAL1	7.945104	8.178467	8.2648665	8.1928095	8.404398	7.6119565	8.7041335	8.372603	8.1472135	8.5816635	8.6510865	8.5949875

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
NOB1	9.274226	9.38148	9.586485	9.361886	9.557428	9.974521	9.570915	9.392831	8.438575	8.997557	10.07098	9.266788
NOD2	4.061544	3.690255	3.764258	3.523934	3.664323	3.507389	3.675012	3.575815	3.909402	3.884252	3.889493	3.371567
NOP10	11.65359	11.46066	11.41625	11.51401	11.79265	12.43221	12.01437	11.79854	12.23224	11.50541	12.05061	11.28138
NOP14	7.834302	7.409612	7.825944	7.774948	8.39222	9.06056	8.558434	8.287561	8.126998	7.944542	9.000597	8.199431
NOP16	6.8871185	6.869954	6.697002	7.095207	7.5108075	7.682799	7.877473	7.420523	6.662912	6.89884	7.3525095	7.082269
NOP2	7.78684	7.234653	7.600724	7.549413	8.383574	9.100063	8.830541	8.530638	7.920833	8.342978	8.536303	8.59339
NOP58	9.777925	9.810522	9.407146	10.0846	10.36302	10.48964	10.78525	10.32009	10.26162	10.33905	9.88542	10.59381
NOS2	4.742351	5.210746	4.787309	4.689624	5.169543	5.06552	4.787309	5.04752	4.997499	4.545851	4.79216	4.629742
NPCDR1	3.944367	3.972092	4.318037	3.780471	4.13518	3.649852	3.9873	3.938789	3.851906	3.927209	3.893904	3.956519
NPVF	2.997995	3.399138	2.875495	3.134039	3.000402	3.035455	3.100626	3.237188	3.269567	2.746745	3.180293	2.812738
NPW	3.210239	3.873838	3.543795	3.614531	7.145505	6.152814	5.948363	6.324868	3.152672	4.786613	3.575979	3.107267
NPY1R	2.465373	2.497582	2.330979	2.715657	2.527856	2.772795	4.571597	2.588243	6.16955	6.277557	2.558218	7.128599
NR2C2AP	7.541899	7.678131	7.355553	7.256989	6.917572	6.243492	7.475899	6.558162	7.095827	7.079	7.846827	7.241844
NRARP	5.60903	5.723412	5.360893	6.026835	6.104373	5.721939	7.029745	6.045046	5.99998	6.664148	6.060691	6.492267
NRBF2	8.7185575	8.4908475	8.946838	8.7820145	8.829174	9.6867505	8.1939185	8.8904675	9.113602	6.926783	9.6264795	6.881158
NRSN1	3.99047	4.20999	4.138447	4.190847	4.455338	4.208549	4.076352	4.26574	4.202059	3.86524	4.354087	3.873289
NRSN2	6.623935	7.271889	7.192472	7.561638	6.596414	6.445733	6.713098	6.339563	6.451612	6.63642	6.49575	6.595409
NSA2	11.56307	11.74563	11.31044	11.57975	11.62228	11.21192	11.58657	11.59776	11.12432	11.64766	11.63915	12.22626
NSMCE2	8.65263	8.714349	8.603559	8.627027	9.157822	8.802488	8.905766	9.06411	9.275213	8.163431	9.278988	7.866106
NSMCE4A	6.4198	6.521717	6.6710945	6.297277	6.2172675	5.9840755	6.908511	6.100217	7.1831225	6.8734495	6.5343355	6.692523
NT5DC4	2.645597	2.666616	2.813311	2.564241	2.595818	2.723215	2.608521	2.61619	2.549835	2.675794	2.889424	2.659885
NTF4	4.142092	4.080227	3.840604	4.110779	4.615825	4.420128	4.205567	4.367832	4.509073	4.077732	4.363728	4.053117
NTM	7.702855	8.171949	7.848808	6.440403	3.77958	3.590129	3.77086	3.77086	9.787494	5.528405	5.334135	3.716009
NTN3	4.534592	4.551502	4.190739	4.033387	4.428119	4.495121	4.165576	4.171871	4.054917	3.918266	3.863363	3.920377
NTN5	4.138008	4.359691	4.148722	4.37674	4.109386	4.0270955	3.9169755	4.049169	4.050032	3.88263	4.1674655	3.943686
NUDT19	8.884629	8.767779	8.991394	9.354225	9.930403	10.87626	10.07594	10.01162	8.814448	9.394042	10.24845	9.552426
NUDT7	5.385076	5.062069	5.25113	5.618019	5.3686195	5.502494	4.4513975	5.4352965	5.0626475	5.470027	5.9250515	4.057127
NUP62CL	2.933652	3.173489	3.3466595	3.0154685	3.7903745	3.9111495	4.570355	3.645627	3.116169	4.2784655	3.9090555	4.3164485
NXNL1	7.27564	7.599333	7.820513	7.326714	7.315903	7.027905	6.959044	7.350411	7.128657	7.028999	7.358778	7.217671
NXNL2	2.386553	2.379901	2.58498	2.505035	2.661177	2.502986	2.500197	2.557504	2.62168	2.5432	2.489071	2.744321

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
NYNRIN	6.097717	6.561081	6.362631	5.876074	8.074089	7.861992	7.886099	8.088838	4.004289	7.954659	8.348969	8.353933
OAZ2	9.298926	9.201385	8.9895465	9.0513375	9.155286	9.919028	8.9197545	9.0642335	9.1254255	8.3683415	9.05338	8.361317
OBP2B	4.630288	5.124226	4.762284	4.962741	5.073614	5.148149	5.303809	5.344191	4.946218	5.221565	5.437742	4.985972
OBSL1	5.54628	6.955163	6.50721	6.346474	5.704825	5.711046	5.453229	5.637429	6.003675	5.888211	5.493521	6.179904
OCEL1	7.201588	7.863009	7.564365	7.234417	7.608778	6.829756	7.019058	7.518195	7.043687	6.861085	7.186527	7.031099
OCM2	3.659789	3.643903	3.821253	3.741093	3.947931	3.683803	3.804106	4.11489	3.765957	3.900519	3.811195	3.370941
ODAM	3.121092	3.516843	3.62892	3.686135	3.568679	4.161002	3.868455	3.652977	3.781204	3.825179	3.741665	3.536384
ODF3	4.851783	5.1460925	4.803923	5.013896	4.779616	4.7168475	4.6573035	4.9236415	4.6571795	4.714674	4.69234	4.661874
ODF3B	5.0373	5.202681	5.020141	4.738784	4.981668	4.735154	4.707461	4.901273	4.583914	4.79749	4.692233	4.319046
ODF3L2	5.599386	5.72448	5.597185	5.55965	5.719149	5.978475	5.751908	6.007491	5.482483	5.571531	5.913703	5.821854
OLA1	7.3128505	7.3628835	7.343336	7.538438	7.6097325	8.8855565	7.986554	7.4155785	7.9999845	7.613722	8.144277	7.711132
OLAH	3.261221	3.528384	3.733466	3.205991	3.483454	3.700183	3.383041	3.515254	3.339437	3.318612	3.468345	3.30625
OLIG1	2.47459	2.580433	2.796773	2.760294	2.861313	2.602004	2.601797	2.575521	2.751426	2.591209	2.679871	2.558295
OOEP	4.941051	5.262925	5.081814	5.014349	5.132158	5.181166	5.1276	5.101324	5.789953	4.978385	5.328429	4.843903
OPALIN	4.261989	4.19067	4.544019	4.354083	3.970273	3.994248	4.037879	4.107894	3.783012	3.781822	3.970273	3.732634
OR14J1	4.586148	4.484066	4.689056	4.795958	4.841439	4.683617	4.374015	4.764668	4.42531	4.516442	5.06552	4.559895
OR1D5	3.77924	4.045723	4.230973	3.864139	3.900519	3.920205	3.900519	4.139477	4.086017	3.890273	4.254386	3.815773
OR1F2P	4.796042	4.597085	4.712474	4.723418	4.805779	4.817531	4.813819	4.545179	4.657833	4.198117	4.740591	4.417482
OR2A4	3.969851	3.725814	3.76159	3.816426	3.822283	3.977128	3.772728	4.006624	3.860518	3.398776	3.797007	3.493353
ORAI1	7.174298	7.426411	7.333498	7.684232	8.742985	10.33235	8.922001	8.563257	7.513069	7.514991	9.127261	7.789908
ORAI2	6.3752085	6.320903	6.464209	7.0118565	6.924327	5.686313	5.1723515	6.7789825	6.0934765	5.9131415	5.8781745	5.161953
ORAI3	8.705706	8.544865	8.773713	8.645436	8.190648	8.402134	7.89763	8.216889	8.745858	7.965298	9.222285	8.028751
OSCP1	6.339029	5.494645	5.986646	5.949244	6.062915	5.322747	6.583739	6.147889	6.30725	6.959475	6.479042	6.607614
OSGIN2	5.416492	4.9222895	5.0286415	5.5824615	5.8373935	5.94557	5.792847	6.021101	6.3826705	4.8740285	6.1342485	4.9130435
OSTC	11.71885	11.7049	11.75393	11.87527	11.6827	11.67618	11.84554	11.6873	11.60022	11.4219	11.11408	11.44686
OTUD1	4.442598	5.057101	4.513797	4.471279	4.47727	5.91816	4.937254	4.570729	6.050433	4.241455	6.224123	5.108869
OTUD3	6.761982	6.187955	6.464911	6.146353	6.614724	7.925043	6.707705	6.524556	6.481558	7.256546	6.60415	7.43036
OTUD7B	5.529255	5.7039335	5.3072405	5.771585	5.931453	6.178298	5.4715295	6.103302	5.8121735	5.842549	5.915256	5.605638
OXNAD1	7.116409	6.957608	6.687073	7.028041	7.732102	8.185355	8.462903	7.602889	7.853762	8.137035	8.877287	8.512116
P2RX6	4.9712215	5.4483535	5.170344	5.4221095	5.248854	5.461667	4.960087	5.226273	5.3626235	4.8014315	5.3944375	4.7312005

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
P2RY12	2.760098	2.6644835	2.8640295	3.244762	2.7965795	2.7715365	2.950364	2.929793	2.855263	2.794266	2.8158655	2.591164
P4HB	11.38866	12.0493	11.63648	11.78543	11.15703	11.34121	11.01347	11.28647	10.59253	11.10325	10.51535	10.5997
P4HTM	7.924302	7.876455	8.36027	7.881399	7.686852	7.734954	7.226411	7.790223	7.364553	7.950568	8.334463	7.597657
PAAF1	6.6590575	6.7558345	6.563943	6.8391925	6.9637765	6.6034815	7.0611045	7.036014	6.7500075	7.628263	7.416328	8.057886
PABPC1L	5.022173	5.294137	6.597611	4.730045	4.446436	4.205586	4.1405	3.981912	5.436438	6.203181	4.756094	5.68642
PABPC4L	4.507679	4.459288	5.123889	4.195798	8.16716	3.824359	7.588698	8.240997	7.132377	8.762386	4.224816	7.78931
PACRGL	5.404644	5.381589	5.642801	5.776541	6.032792	6.173848	5.6803955	6.0593805	6.82967	5.476477	6.3404475	5.4206345
PAIP2B	4.193673	4.320485	4.319456	4.304259	4.309645	4.848216	4.027667	4.373277	4.537817	4.470145	4.806389	4.830485
PALB2	7.29615	6.922348	7.364353	7.864777	7.927394	8.120383	8.006583	7.682565	8.385492	8.026065	7.931529	8.306107
PAMR1	10.97386	10.65544	10.4572	10.66146	7.440906	9.052019	8.07166	7.599842	7.164429	5.668834	5.930097	7.424044
PAN2	7.203862	7.283278	7.081789	6.511436	7.709773	7.034404	7.678259	7.622121	7.091272	8.356718	8.467937	8.608747
PARM1	4.5309545	4.4830615	4.8055195	4.633984	4.6933595	4.436743	4.386094	4.585135	4.6477005	4.7488395	4.5954375	4.6649585
PATE1	3.17281	3.3484645	3.0896065	3.035708	3.3771065	3.069528	3.0677395	2.988224	2.9434655	2.957296	3.025355	2.895682
PATE2	4.628107	4.482771	4.718115	4.383576	3.878185	3.843777	3.939791	3.939791	4.145278	3.670672	4.021414	3.774165
PATL1	6.962122	7.356433	7.248888	6.632335	6.649154	6.522398	6.855777	6.520943	7.467578	6.454113	6.5674	6.33864
PATL2	3.764055	4.053074	3.863045	3.853982	3.633977	3.550743	3.778001	3.517694	4.767563	3.864724	4.364944	3.846236
PAWR	6.44228	6.745785	6.678793	6.853883	6.059379	7.715467	6.931293	6.099321	8.044719	6.154779	6.236054	5.85268
PBLD	5.9555255	5.4314435	5.561389	6.064106	6.3869475	6.262769	5.355105	6.4692685	6.4256495	4.9638995	5.704258	4.9385085
PBRM1	6.824204	6.4479215	6.801396	6.603226	6.520548	6.4679605	6.709045	6.4388975	5.4829895	6.133322	5.300721	5.8940515
PCA3	2.934907	3.001492	3.105859	3.0424255	3.134778	3.2098665	3.051399	3.1652725	3.06383	3.038524	3.1128635	2.8440725
PCDHB19P	3.256513	3.395903	3.399179	3.137481	3.236375	3.036638	3.398058	3.290665	3.263862	3.234512	3.506533	3.208263
PCDHGB8P	3.244935	3.388951	3.251394	3.198779	3.227959	3.121833	3.260727	2.91038	2.975048	3.13811	3.301341	3.04016
PCGEM1	3.3108315	3.4685265	3.3518635	3.4055525	3.429689	3.2972145	3.2697775	3.510268	3.662394	3.1229695	3.4079935	3.47821
PCID2	8.591257	8.4446195	8.5955565	8.675453	9.3360115	9.0825975	9.5572285	9.213683	8.592279	8.8442845	9.1194065	8.824109
PCIF1	6.0037585	6.418313	5.7369555	6.14912	6.055212	5.4983945	6.3200875	6.0003325	5.9238075	5.7737515	5.865237	5.7445685
PCLO	3.863364	4.076707	4.143265	3.830817	3.995682	3.787804	5.481119	4.025259	4.689504	7.431424	4.381582	8.233619
PCNT	6.340338	6.319435	6.3729275	6.2208385	6.33721	6.131606	6.3935985	6.172884	6.1025285	6.2864845	6.4218985	6.3488425
PCOTH	4.339904	4.309869	5.260362	5.578435	6.475487	7.129223	7.00678	6.737013	5.579358	5.328881	6.896316	5.531059
PCP4L1	3.836378	3.819675	3.673952	3.747015	3.55365	3.602067	3.715044	3.60843	3.859877	3.643421	3.644297	3.634706
PCSK5	4.574636	4.222281	5.012794	4.460849	5.303226	5.523036	5.908026	5.174839	5.768203	6.957259	5.892529	7.883181

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
PCYOX1L	6.500507	6.440174	7.140763	7.614514	7.618385	7.657296	8.738116	7.605771	7.78424	9.291362	8.768227	9.329839
PDCD11	7.5436185	7.3756905	7.3546305	7.752548	8.0289675	9.151081	8.3834675	8.0574345	7.736871	7.98887	8.7026295	8.2973025
PDCD2L	6.149843	6.661304	6.276846	6.397171	7.597462	8.453791	8.49244	7.558727	7.731475	7.382582	8.207806	7.705928
PDE12	5.98031	5.952202	6.266604	6.139966	6.296995	7.0555175	6.6717835	6.2227255	6.156798	5.3716075	6.0589835	5.430885
PDS5A	7.990477	7.763909	8.014954	8.0138145	7.961341	8.158971	8.076274	7.811757	8.0013345	7.529279	7.358417	7.513126
PDS5B	4.341728	3.5966115	4.031408	3.7482605	3.8572125	3.6440475	4.0483175	3.9269005	3.491751	4.5217935	3.6298065	4.270285
PDX1	3.879301	4.036213	4.21009	4.12909	4.007586	3.920101	3.979828	4.086985	4.003654	3.725003	4.277796	3.613267
PDXDC1	4.2862165	3.9812535	4.7020685	3.5668095	3.492331	3.377829	3.5002405	3.4758755	3.67194	3.784058	3.48471	4.03672
PDZD2	2.968967	2.856053	3.038714	3.004026	3.030824	3.166452	3.10415	2.975149	3.045741	2.771511	2.53926	2.842286
PER3	3.6579065	3.9170005	3.5376885	3.522714	4.1226835	3.414945	3.740907	3.987622	3.588289	4.0971195	3.5105895	3.761516
PER4	3.29176	3.467258	3.301625	3.6172445	3.5482615	3.6611345	3.4354545	3.5107325	3.4666615	3.389145	3.5367155	3.3745525
PGAP3	6.3922595	6.331402	6.6275735	6.7303925	6.827821	6.4539755	6.238522	6.794442	6.814793	6.9520975	6.82833	7.1056265
PGP	6.672137	6.663334	6.7292315	6.9762115	7.4570465	7.5004525	7.7133955	7.4168425	7.2821655	6.5873795	6.8293815	6.8652435
PHAX	7.987438	8.016335	8.260283	8.585212	8.750427	9.193322	8.528683	8.76735	8.52607	7.919169	8.802591	7.877028
PHLPP1	4.397265	4.455309	4.499733	4.37602	4.253807	4.692428	4.357927	4.2125905	4.0295405	3.994286	4.3355725	4.0574065
PHLPP2	5.9623555	5.8634455	6.4735945	6.296325	6.159734	5.879899	6.1078845	6.235721	5.83866	6.046761	5.6197965	5.529602
PHRF1	6.242774	5.939604	6.062321	5.9792665	5.91294	6.139973	6.1379135	6.0151375	5.773416	6.099227	6.2267155	6.051587
PI4K2A	6.885296	7.226872	6.764903	6.329401	7.853922	7.857343	7.319982	7.951468	7.465192	6.731397	7.735092	6.978133
PI4KA	8.036123	7.632388	7.923883	7.817141	7.845406	7.521168	7.580226	7.853182	7.443413	7.720028	7.393158	7.738894
PI4KB	8.07877	8.084064	7.877157	7.87445	7.921121	8.285254	7.802845	7.934172	7.099784	7.168695	7.272091	7.183547
PIBF1	7.813344	7.273436	7.416451	7.344843	7.904055	7.582945	7.313766	7.895113	7.044519	7.39216	5.717324	7.404727
PID1	4.651546	4.312524	4.603445	4.291326	3.645145	3.403794	4.491056	3.612168	5.443333	4.364271	4.094853	3.82996
PIGP	9.571981	8.858753	9.124543	9.346466	9.908566	9.429445	9.865347	9.91251	8.725464	9.542341	9.658466	9.63992
PIGU	7.538989	7.581762	7.471653	7.574457	7.223295	7.866059	7.949957	7.217552	8.003989	7.640846	7.780277	7.131951
PIH1D1	9.731283	9.482443	9.432072	9.551775	9.244057	8.396168	9.202347	9.219527	9.602954	9.174679	9.064576	9.246279
PIH1D2	3.875967	3.772541	3.901754	3.935028	4.678516	4.004708	4.06496	4.798508	4.475652	3.6678	4.127002	3.576405
PIK3IP1	6.753764	6.840315	6.812014	6.975368	6.879558	6.100097	6.175906	6.998605	7.325493	6.153078	6.540476	6.018661
PIK3R6	6.762959	8.471334	8.254715	5.758116	4.955849	5.078789	4.987217	5.334994	4.882171	4.465436	4.718252	4.58468
PIKFYVE	4.955421	4.901746	4.856571	4.913519	4.974474	4.985972	4.412848	4.745878	4.574637	4.66864	3.979353	4.691064
PIN4	7.8326795	6.960176	6.973495	7.376479	7.692154	7.1477175	7.648776	7.700689	7.2330845	7.5797385	7.6541795	7.515594

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
PIP4K2A	8.628849	8.071658	8.344949	7.841301	6.872952	7.193934	7.435624	6.934664	8.224001	6.812914	7.829288	6.316991
PIP4K2B	6.3660105	6.749211	5.8373775	6.148133	6.84325	7.0665725	6.648884	6.7032585	6.13331	5.5945185	5.941325	5.5442305
PIP4K2C	8.152943	7.372863	7.87563	8.19347	9.254794	9.859909	9.306705	9.343216	10.37684	9.817524	9.375655	9.443662
PIRT	4.444334	4.483483	4.60262	4.254104	5.145138	4.985972	4.993342	5.044763	3.754578	6.157869	4.228224	6.38514
PKD1P1	6.483813	6.786777	6.521241	6.045466	5.644522	5.547484	5.569919	5.705803	6.389225	6.064134	6.579096	6.978431
PKDCC	6.833288	7.627702	8.464886	7.339781	6.28146	6.043323	7.157822	6.052054	7.181155	6.92672	5.953453	6.76919
PLA2G15	7.153128	6.993055	6.927776	7.604154	7.358748	8.547901	6.603778	7.333549	7.506965	6.773834	7.489983	7.065691
PLD6	4.915372	4.8229175	4.9924915	5.1687445	5.2117995	5.438814	5.7220765	5.288598	5.4234245	5.5413795	6.0229215	5.844168
PLEKHA2	5.054245	6.47049	5.997725	5.630077	5.781703	5.029794	4.481601	5.599462	5.92918	4.572113	4.85533	6.039263
PLEKHG4B	4.0022225	4.177824	3.873075	4.1202805	3.5604025	3.846677	3.591815	3.685706	4.2987495	4.4743425	3.8113765	3.594904
PLEKHM2	7.382865	7.556357	7.388803	7.392316	7.493799	7.711621	6.754892	7.482335	6.924621	7.027936	7.242057	6.980593
PLEKHM3	5.185502	4.159193	4.870702	5.028066	5.1427155	5.1183375	4.7614015	5.20906	5.2974005	5.340266	5.517181	5.346101
PLEKHO2	7.747255	7.76293	8.030382	8.280688	8.149427	8.914829	7.836807	8.236001	8.297633	8.017383	8.579309	7.856363
PLGLB2	3.679761	3.023203	3.600459	3.023203	3.068316	2.643722	2.745111	2.841609	2.847268	3.046985	3.301538	3.513448
PLIN2	7.4173825	6.898492	7.2771585	7.099398	5.9577225	5.7050705	6.1771225	5.9643005	6.751683	5.4404075	5.7164965	5.9254185
PLIN5	4.433056	4.656759	4.4197075	4.7446655	4.3825685	4.430404	4.4959875	4.4733485	4.1469905	4.246425	4.4849505	4.4270665
PLLP	4.518548	4.97479	4.66874	4.033634	5.849143	9.513552	9.327614	5.687757	5.61388	9.502264	9.096715	10.07531
PLXNA4	4.508286	4.268323	4.2953645	4.7854315	4.684612	4.085956	4.080555	4.870519	4.2890215	4.9364035	4.332514	4.1831905
PLXNB2	6.9875195	7.475399	6.9399355	7.375449	7.0486235	7.354471	6.876025	7.041749	6.9482295	7.2608655	7.1729695	6.9844595
PM20D1	4.124354	4.421844	4.430447	4.592284	4.802145	4.832679	4.595025	4.568832	4.771049	3.982638	4.720026	4.216758
PM20D2	4.8697065	4.97969	5.3732215	4.8573505	4.9371575	5.6728385	5.810207	4.7756605	5.336529	5.324833	4.7171425	5.5231495
PMCHL2	3.279151	3.190449	3.147802	3.330985	3.4269805	3.462213	3.253776	3.509134	3.253048	3.2051565	3.381152	3.122316
PMEPA1	8.124899	7.316586	7.984733	6.454436	8.107985	6.564875	6.301097	7.964397	7.494439	8.531553	9.405937	8.100065
PMF1	8.106293	8.297125	7.318119	8.071434	7.577296	6.700431	7.364836	7.251027	7.322638	6.846987	7.102759	6.801589
PNO1	7.0782585	6.5257445	6.8210445	7.00748	7.6173375	9.2760145	8.5448675	7.7697675	8.0956675	7.093858	8.4573505	7.33039
PNPLA3	5.46661	4.870261	4.8519575	5.010876	6.2664875	7.2926145	6.8830805	6.184499	5.739606	6.333303	6.0850905	6.1739235
PNPLA6	7.784362	8.4647	7.541187	8.381055	6.605816	7.587034	6.490715	6.613303	6.318244	6.43833	6.299604	6.146354
PNPLA7	3.9257205	4.293298	3.804689	4.019274	4.260372	4.082709	4.185904	4.187836	4.3027645	4.063377	4.315861	3.8171235
PODNL1	6.974031	7.083715	6.947402	6.618383	6.494576	6.022365	6.073921	6.326497	6.302264	6.531379	6.406256	6.773489
POLD2	8.677332	8.796926	8.645782	9.080445	8.904437	8.818494	9.165571	8.680877	8.027538	8.22356	8.724057	8.089747

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
POLR2E	10.3728015	10.3751015	9.791294	10.090308	10.977575	10.97086	11.168235	10.897655	10.474445	9.8072915	10.1831785	9.330912
POLR2J4	5.0504915	5.1464355	5.0874295	5.162226	5.3303025	5.5737505	5.3819175	5.6149535	5.2558695	5.704701	5.5583855	6.1731225
POLR3E	3.863363	4.079875	4.013416	4.184214	4.420288	4.733469	4.342957	4.483763	4.599954	4.223892	4.632036	3.994248
POM121L2	5.700264	5.801049	5.869319	5.898112	6.039399	5.824916	5.68278	5.964123	5.790124	5.834163	6.010363	5.712851
POU5F2	3.777895	3.885293	4.554724	3.795635	3.795635	3.803101	3.937721	3.909526	3.743117	3.728011	3.948074	3.825434
PPDPF	10.07106	11.24319	10.06102	9.963582	8.259135	8.083619	7.864949	8.01936	8.100219	9.648487	8.868706	9.425863
PPM1H	3.456967	3.976418	3.489461	3.187991	3.390115	3.205923	3.228996	3.317722	4.613729	3.277136	3.63483	2.796471
PPP1R3E	6.01499	6.431804	6.534591	6.167838	5.199377	4.25832	5.473209	5.164629	6.894085	5.190182	5.418097	5.798742
PPP4C	9.429272	9.354018	9.711311	10.06619	9.256238	9.205502	9.081123	9.099785	9.430518	8.915085	9.377904	8.677191
PPP4R4	3.466421	3.373696	3.264042	3.375238	3.950562	4.851243	6.064069	4.111094	3.874749	3.6511	3.120648	3.864454
PPTC7	8.232912	8.118773	8.705888	7.556117	7.628126	8.634898	8.092211	7.67433	7.806305	8.740617	8.67545	8.508761
PRAMEF11	5.567219	6.109216	5.510145	6.207067	5.768187	5.639496	5.654589	5.837721	5.57869	5.276731	5.706461	4.968974
PRAMEF12	5.128553	5.088412	4.849609	5.300575	4.696156	4.975085	4.689424	4.805652	4.921544	4.910285	4.99799	4.303956
PRCD	5.4924945	5.535058	5.5174495	5.2364235	5.1382865	4.9813235	4.957926	5.1903365	4.9995145	4.8396515	4.8171585	4.7012145
PRDM6	4.8754855	4.806323	5.062998	5.2904325	4.832468	4.9917195	5.507648	5.056625	4.598879	4.9682215	5.069872	5.3682455
PREX2	3.1217885	3.087443	3.1085745	3.097976	4.7863945	3.7728145	2.8505975	4.6057455	3.061519	3.7103105	3.229133	3.8093805
PRG4	2.73785	2.690998	2.685992	2.565364	2.760428	2.829517	2.446055	2.896909	2.560833	2.527502	2.524268	2.630637
PRICKLE3	5.362693	5.563919	5.272236	5.182597	5.070953	5.372414	5.084834	5.081618	4.83936	4.462388	4.974199	4.296272
PRIM2	6.288737	6.295855	6.545694	7.893637	7.626078	6.68603	6.888611	7.936631	6.896937	6.234622	6.304017	5.86534
PRKCB	3.8761075	4.1834885	4.0278745	4.1410785	4.3278285	4.0714155	4.435294	4.2049015	4.059115	3.696405	4.0813525	3.9190635
PRKRA	7.2191135	6.70233	7.6546625	6.483191	6.6524815	5.561304	6.632853	6.5948285	6.1960495	7.4633095	5.6943105	7.03426
PRMT3	7.56529	7.238	7.355069	7.490395	9.020774	10.08144	9.25831	8.928072	8.416864	8.421215	8.941582	8.913876
PROX2	3.545056	3.644541	3.50337	3.50337	3.725194	3.68968	3.552894	3.653349	3.28749	3.298502	3.565717	3.357782
PRPF40A	9.3563035	9.141	9.5823625	8.992242	9.6771805	9.7568195	10.23993	9.637779	9.08746	8.628723	8.2150985	8.758382
PRPF6	7.678101	7.9971875	7.710709	7.6944325	8.6599075	8.543748	8.5499485	8.6123315	8.503664	7.9855225	8.6371275	8.332448
PRPH2	6.402502	4.815163	5.502749	5.746858	5.398368	4.920324	5.354383	5.348512	6.151846	5.156056	5.486637	5.521954
PRR12	6.039357	5.993323	5.727016	5.513001	5.276611	5.102377	5.436898	4.836143	5.513001	5.634103	5.922165	5.792884
PRR14	7.278465	7.889652	7.559498	7.378655	6.792902	7.349643	7.309986	6.674093	6.272355	6.927293	7.020562	7.419806
PRR15L	4.077623	4.677319	4.604218	4.604218	4.577817	4.529808	4.466932	4.597849	4.549622	4.816601	4.818151	4.246889
PRR16	8.13283	9.227408	8.657956	8.24541	5.417329	5.1943425	3.91034	5.438937	7.6573045	3.8318185	4.7215075	4.4313155

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
PRR18	4.029691	4.105942	4.039996	4.051632	4.126472	3.942709	4.099452	3.703497	4.441617	4.007905	3.942709	4.173564
PRR19	4.913989	4.795277	4.678543	4.610144	4.699825	4.428481	4.739448	4.755372	4.710853	4.601955	4.746942	4.357759
PRR22	5.1551235	5.192789	5.204711	5.140981	5.08867	5.208848	5.2844505	5.049989	4.925552	4.999121	4.9532155	4.917463
PRRC1	9.7389115	9.5002045	9.3907935	9.232349	9.177374	9.074103	9.156706	9.161502	9.0184255	9.5701315	8.948002	9.7609905
PRSS36	5.746043	5.680589	5.725903	5.653463	5.631438	5.659797	5.552116	5.488049	5.475913	5.215356	5.837842	5.300299
PRSS37	3.948864	4.387067	3.958638	3.946928	4.116503	4.082712	4.251741	4.290994	4.040053	4.477278	3.863364	3.982415
PSAPL1	6.155062	6.811295	6.208284	6.613286	5.872946	5.81247	5.76648	6.027856	5.872458	5.905537	5.915281	5.832548
PSMA7	10.1222305	9.974978	9.6263095	10.238726	10.93514	10.96194	11.039835	10.912995	10.558279	10.2698475	10.978955	10.176865
PSMG1	10.00454	9.6993	9.706257	10.06621	10.26887	10.15237	10.63913	10.17261	10.42048	9.310385	10.07888	9.403669
PSMG2	11.01165	10.9354	11.05962	10.83169	11.02752	10.66682	10.90295	11.09246	10.6924	10.3832	11.03331	10.63227
PSMG3	7.198472	7.095136	7.368972	7.599949	8.403202	8.639475	8.94464	8.170471	8.152572	8.332605	8.654337	8.544543
PSMG4	4.798992	3.710112	4.032382	4.032893	4.380554	4.001945	4.222281	4.779684	3.883247	4.931049	3.891832	4.669855
PSORS1C3	4.475969	4.246945	4.058416	3.596756	3.978181	4.267223	3.961999	4.056315	4.118238	4.300334	4.207382	3.890816
PSTK	4.3299195	4.499805	4.5557085	4.255914	5.2731295	5.4883045	5.071844	4.9499505	5.8039735	4.7708005	5.3988645	4.7721885
PTAR1	7.770035	7.190253	7.447082	7.388466	6.800695	7.726373	7.651183	6.983959	7.068196	7.556582	6.771392	7.878346
PTCD3	5.882071	6.1048835	6.345069	5.900371	7.195848	8.7122275	7.4871715	7.195468	7.50837	7.7486825	7.166815	8.0144885
PTCH1	3.475031	3.786368	3.805718	3.788772	3.4392725	3.493157	3.5023245	3.582514	3.4251635	3.371615	3.8243305	3.5106965
PTENP1	4.420542	3.546048	3.411266	4.383528	4.921412	4.998893	5.204635	5.745949	5.264519	4.691783	6.117206	4.537817
PTGR1	9.235086	9.256788	9.09757	9.312832	9.255638	7.734614	8.48002	9.148813	9.766761	7.696892	9.116803	7.35991
PTGR2	4.72551	4.534689	4.592598	5.419804	6.112384	6.481124	6.041187	5.981211	5.729978	4.987342	5.827699	4.616215
PTH1R	5.610456	6.340165	7.555802	5.081426	5.540144	4.47063	4.640213	5.199533	4.725733	5.051955	4.937022	4.640213
PTH2	5.877888	6.042922	5.840516	5.936681	6.166655	6.086528	5.962187	5.988791	5.841118	5.768034	5.954021	5.835183
PTH2R	3.306581	3.044391	3.663394	3.504238	3.625451	4.309645	3.729986	3.752948	3.680975	3.758685	4.281375	3.769067
PTPMT1	6.591783	6.4943	6.729355	7.01102	7.2778685	7.602421	7.19648	7.258878	7.20175	6.55524	7.0576645	6.6996705
PTPN20	2.580967	2.638589	3.662651	3.265178	2.501074	2.519244	2.115606	2.582513	6.194226	2.405578	4.756094	2.628695
PTPRJ	3.663921	3.301232	4.00461	3.961152	4.094571	3.799902	4.134732	4.193628	4.033062	3.713422	4.260478	4.07707
PTTG3P	7.044067	7.006935	6.727341	7.460791	7.701007	5.217559	7.57331	7.348192	6.208472	6.595498	5.824787	7.017014
PUF60	9.054395	9.090332	9.26509	9.767602	9.805507	10.05225	10.17981	9.774423	9.507111	9.840385	9.94486	9.963619
PUS10	5.454383	5.479767	5.171548	5.366723	5.875552	5.114431	5.363806	5.725658	5.305324	5.287228	5.359528	5.190714
PVRIG	4.065251	4.663984	4.366066	4.692537	4.903096	4.454096	4.853721	4.890555	5.184446	4.795222	4.659542	4.674262

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
PWP2	6.101749	6.322838	6.157791	6.10359	6.476128	6.4331	6.309356	6.653666	6.224092	6.179651	6.423757	6.270398
PWRN1	2.817158	2.7159155	2.74943	2.8307285	2.856566	2.9298155	2.957169	2.967097	2.677261	2.7789575	2.905777	2.69945
PWRN2	2.962933	2.9978645	3.118937	3.0080185	2.7594635	2.870531	2.945991	2.7186665	2.8020165	2.618129	2.935207	2.7885775
PWWP2A	5.994612	6.034039	6.155026	6.305531	6.795146	6.892575	7.101405	6.692322	7.533829	7.400988	7.010144	7.497004
PWWP2B	5.13193	4.635259	5.072605	5.337365	5.137558	5.030457	5.151524	4.85803	4.845065	4.425815	5.091019	4.646544
PYROXD1	7.812867	7.002345	7.421562	7.180247	6.582368	8.133205	7.068748	6.999913	7.935516	6.985317	6.730582	7.68344
QRFPR	3.096808	2.920045	2.995484	2.905647	2.827971	2.728302	2.969944	3.070923	2.964452	3.392011	3.179601	2.995484
QSOX1	6.1105045	6.6537945	7.372301	7.2536825	6.036946	7.637758	5.9595765	6.3585845	7.1791725	6.4975835	7.414242	6.141994
QSOX2	6.903255	6.764192	7.0334565	7.2200335	7.123502	8.5448285	7.775206	6.8998625	7.2930215	7.179667	7.615758	7.4276405
R3HCC1	7.433506	7.4670085	7.756131	7.710592	7.972018	7.798463	8.1204815	7.9576495	7.8303355	8.2887755	8.667678	7.9843975
RAB2A	8.4474145	8.62749	8.3771065	8.449196	7.190276	7.745744	7.6823625	7.573696	8.250361	7.2941495	8.077011	7.2814515
RAB40AL	4.388459	4.822766	3.88483	4.416946	3.784805	3.906626	3.565093	3.6979	3.872643	3.684719	3.828886	3.700468
RAB7A	5.349244	5.4671515	5.0748555	5.425486	5.7911845	6.047393	5.72746	6.1227535	5.97371	5.3985935	6.2730195	5.397603
RABGAP1L	5.54185	5.289237	5.566586	5.456287	5.059743	5.621064	4.916081	5.151858	5.332012	5.465555	5.56896	5.65976
RAD54L2	6.717673	6.341548	6.837665	7.079528	6.744512	7.243491	7.253657	6.80267	6.833747	7.068278	7.074733	6.942179
RADIL	5.725658	5.370515	5.871673	5.882549	5.785553	5.546726	6.134299	5.652543	5.247561	5.854519	5.279997	5.956824
RAI2	3.174771	3.202721	3.187727	3.257532	3.352093	2.960723	3.06285	3.571719	3.836976	3.226454	3.115503	2.93029
RALGAPA1	3.633374	3.401581	3.8146925	3.402979	3.5542385	3.518014	3.7242765	3.565434	3.4156995	3.8600895	3.6600145	4.1383015
RALGAPA2	4.1640385	3.608013	3.7982735	3.961131	4.4652915	4.6424425	4.8116365	4.4522295	3.6364895	5.87113	4.1889105	5.0329925
RALGAPB	7.035255	6.733674	6.813824	6.703094	6.895825	7.582607	7.327184	6.863996	6.554914	6.934249	7.56463	7.230033
RALYL	3.370383	3.363987	3.46607	3.370514	3.599634	3.731873	3.411667	3.578681	3.449768	6.44498	3.636651	3.208132
RANGRF	7.4110555	7.360231	7.1663525	7.4040555	7.7542965	7.013454	8.1791495	7.437653	7.1348145	7.2436855	7.3968565	7.047618
RAP1GAP	5.9202265	6.1777735	6.2089415	5.9912395	5.708133	5.477153	5.597902	5.827619	5.7038745	5.901216	5.741996	5.775796
RAPGEF2	3.888876	3.83957	4.058417	3.536714	4.033637	4.827603	3.873825	3.981888	3.803266	5.794431	3.759096	5.73842
RAPGEF5	4.1125475	3.916791	4.0242545	4.033647	3.684484	4.1514595	4.3554605	3.8556825	4.0798505	4.3988085	3.969653	4.4581505
RARS2	6.245676	6.424556	6.088391	5.899693	6.495218	6.250174	6.302324	6.371762	6.318272	5.279996	6.492563	4.813159
RASAL3	5.434481	5.642438	5.424454	5.427257	5.362656	5.122821	5.242539	5.402672	4.874875	4.877342	5.25014	5.203941
RASL10A	5.144825	5.418097	5.412043	5.40252	5.508941	5.439366	5.119981	5.409874	5.258671	5.410468	5.6558	4.958865
RASSF10	2.646663	2.582382	2.819077	2.492724	2.66478	2.55529	2.930761	2.781247	2.800515	2.671208	2.753118	2.434669
RASSF9	4.285193	4.500837	4.0434775	5.865117	4.9085705	4.3860385	3.7890145	4.771837	6.372108	3.849037	3.7999405	3.3663735

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
RAX2	6.295557	6.55738	6.278558	6.014654	5.990123	5.90028	5.738286	5.702759	5.749898	6.050063	6.060692	6.198151
RBM20	2.597897	2.639652	2.874748	2.545342	2.669762	2.544178	2.594587	2.797719	4.311474	2.692472	2.502444	2.479469
RBM26	6.2421205	6.1334145	5.843154	5.9524505	7.056553	7.4211125	7.157026	7.000698	6.420897	6.627469	6.45521	6.932026
RBM27	7.9847115	8.278143	8.0860705	7.988151	8.250132	8.458948	8.848816	8.1665495	8.189216	8.664526	7.822628	9.0084815
RBM42	8.693505	8.971435	8.260839	8.456347	8.23378	8.405566	8.285683	7.91954	8.188176	7.720095	7.739779	7.773988
RBM43	5.6798005	6.0492625	5.5502565	5.6106315	5.9770445	5.221731	5.4680955	5.878753	6.774256	5.2509	5.963456	4.97175
RBM45	5.4915915	5.375141	5.588032	5.821076	5.968644	5.6733645	5.9671645	5.999705	5.5253395	5.6957535	5.7121095	5.4008375
RBM46	2.341531	2.2821375	2.4435495	2.4980675	2.499293	2.2148225	2.3809065	2.506616	2.663469	2.4650595	2.3420085	2.414121
RBM47	4.445036	4.937044	3.900518	3.91727	3.864393	6.062492	3.799048	3.531216	3.743841	3.62716	3.972506	4.061536
RBMXL2	3.3638375	3.435801	3.305943	3.1953425	3.403104	3.3854905	3.337662	3.440296	3.4397775	3.1069115	3.395981	3.266827
RBMY3AP	4.4348465	4.590938	4.381751	4.6854395	3.6909795	3.701323	3.6249305	3.775258	3.7302965	3.598847	3.5103455	3.527937
RBPJL	4.911356	5.066289	5.113639	4.525379	5.538989	5.037197	5.272888	5.24067	5.073535	5.19967	5.071949	5.056332
RC3H2	7.859016	6.680697	6.970889	7.996237	7.440944	7.156629	7.335432	7.436591	6.653793	7.038628	6.455266	6.82828
RCAN1	9.620476	9.767029	9.378951	8.231197	7.597941	8.589093	7.698685	8.019623	7.894845	5.907331	8.640847	5.880595
RCAN2	7.511031	7.712927	8.989317	8.411463	3.648646	3.565093	3.296758	3.777922	6.704114	3.115802	3.48462	3.470649
RCAN3	5.903275	5.854951	5.730488	6.619591	6.452613	4.7781	7.015381	6.604502	4.450625	4.764668	4.117649	3.783389
RCVRN	4.222234	4.344728	4.264339	3.950574	4.600456	4.471171	4.288922	4.759362	4.271659	4.279821	4.5933	4.126696
RD3	3.562702	3.488037	3.599054	3.795524	3.992124	3.722188	3.730465	4.165637	3.76911	3.963528	3.487945	3.645846
RDX	7.812473	7.7763005	7.7692255	7.325797	9.1596255	7.9848125	8.544414	9.174809	7.4146425	6.268487	6.185855	5.8258075
REC8	5.3423355	5.6754225	5.617158	5.643709	5.461228	5.5722965	5.4823195	5.5299055	5.8250295	5.4440265	5.574917	5.56438
RELL1	6.317704	6.0602395	6.4346665	6.6119345	5.701611	5.67912	6.940238	5.491979	6.6055005	7.146806	6.147782	6.274457
RELL2	6.011355	5.931435	5.956599	6.164147	6.627778	6.911677	6.826442	6.560087	6.461612	6.298782	6.419217	5.89241
RELT	6.351182	6.442992	6.565306	6.438789	6.711248	6.554442	6.407445	6.606225	6.344514	6.437402	6.640126	6.588347
REM2	4.824213	4.902542	4.857872	5.027425	5.159437	4.471262	5.054543	5.028277	4.772593	4.392265	4.839256	4.292385
RERGL	3.187438	3.12224	3.532481	3.14375	2.766782	2.87095	2.805872	2.827053	3.276477	2.784607	2.622885	2.979917
RFPL1	2.343297	2.439179	2.204813	2.349522	2.435031	2.290893	2.258351	2.230981	2.454943	2.246287	2.164984	2.271698
RFPL2	4.850786	4.83901	4.867676	5.007378	4.922457	4.912345	4.925199	5.227656	4.850996	4.910285	5.001389	4.616214
RFPL3	4.671861	4.745764	4.578522	5.11781	5.016471	5.001345	4.955484	5.023712	4.773577	4.717433	4.823421	4.517681
RFTN1	7.073025	7.040123	7.1240015	7.2512245	6.792065	6.6255255	6.232486	6.647212	6.9365465	6.6375175	6.8296665	6.1544655
RFTN2	4.6298855	4.440979	4.02662	4.8777125	3.6618685	3.6774545	3.521104	3.7078635	4.783955	3.551086	3.688168	3.520602

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
RFX6	3.018134	3.007808	2.788156	3.050508	3.096586	3.089605	2.900057	2.97603	2.900771	3.028885	3.101271	2.685954
RFX7	7.1269765	6.650106	7.1475445	7.1371315	7.829844	7.7428895	7.6803135	7.811999	7.384982	7.824123	6.8133095	7.6656885
RGL4	3.604765	4.450421	3.951492	4.013037	4.015023	4.051047	3.849427	3.868633	3.849199	3.728175	4.07979	3.994409
RGP1	6.781357	6.47584	6.575275	6.711363	6.643241	6.309467	6.367775	6.627853	6.945441	6.780353	7.051934	6.65542
RGS7BP	2.456526	2.408556	2.501927	2.406688	2.591735	2.528499	2.853351	2.657458	2.629001	2.850174	2.580697	2.623674
RGSL1	4.491076	4.445941	4.403018	4.954116	4.586895	4.527483	4.541029	4.718084	4.343103	4.402542	4.45494	4.55362
RHOU	5.6537035	5.056837	5.9001365	5.794263	7.6770175	8.0505605	7.9208465	7.903921	5.264253	7.321373	6.971723	7.798666
RHOXF1	4.403272	4.496368	4.252181	4.657572	4.786358	4.49286	4.588129	4.806865	4.722834	4.447537	4.537818	4.467267
RILPL1	8.40695	8.542067	9.009154	8.350236	7.501093	7.654978	7.134006	7.45662	8.302353	7.942976	8.734692	7.967953
RILPL2	8.296357	8.208786	8.432889	8.293543	8.820854	8.411142	8.253416	8.604299	7.956613	7.936385	8.265645	7.467734
RIMKLA	3.3612075	3.3659415	3.5073815	3.328216	3.455005	3.358303	3.4356165	3.3809105	3.4031855	3.0723455	3.5910225	3.475858
RIMKLB	5.435309	5.213429	5.851747	5.481476	5.90987	4.647603	6.866197	5.821736	6.684506	8.046311	6.063376	8.290786
RINT1	6.0289175	6.0151515	6.0553925	6.5447455	5.8656415	6.4739915	6.0757735	5.732278	5.9922245	5.599646	5.667822	5.983871
RIPPLY1	2.838359	2.880756	3.22808	3.149983	2.961953	3.141411	2.869382	3.227659	3.065705	2.859426	3.150892	2.989172
RIPPLY2	4.121781	4.301889	3.874671	4.051454	4.221368	4.770761	4.373494	4.169055	4.620265	4.071595	4.318191	4.335895
RMND1	7.431814	7.5426865	7.398605	7.2101	7.750297	8.877894	8.60434	7.825339	7.812138	7.4036815	8.153266	7.5224295
RMND5A	6.574396	6.034828	6.551055	7.041384	8.111282	8.193558	8.458078	8.043812	7.100992	7.339289	7.927325	7.528128
RMND5B	6.412753	6.5278675	6.3282665	6.529327	6.8212575	6.536556	6.931488	6.9276255	6.6648885	6.8516525	6.77219	6.7512515
RMST	3.233242	3.096392	3.554552	3.205991	3.221405	3.192866	3.462064	3.187796	3.343787	3.101699	3.230789	3.874837
RNASEH2B	5.626624	5.141836	5.665037	5.6889935	6.1140495	5.84772	6.6591055	5.773209	5.823749	6.193857	5.761533	5.9421835
RNASEH2C	7.8062155	7.3443775	7.598385	7.661999	8.13933	7.2313	8.0282015	8.099113	6.9162125	7.590938	7.0409425	7.4995605
RNF103	6.1720615	6.1169005	6.464163	6.548586	6.2585955	6.2943925	6.153042	6.3277715	6.7737025	6.1850745	6.5650755	6.0581345
RNF112	5.784322	5.662631	5.245078	5.475913	4.808105	4.484981	4.387992	4.803546	4.440282	4.27982	4.537817	4.238707
RNF114	9.199817	9.110414	8.784277	8.903035	8.955616	9.439995	8.989868	8.944283	9.485401	8.429945	9.532054	8.020451
RNF115	7.1088705	6.821139	7.556545	7.541192	7.245408	6.649561	6.6830985	7.3262295	6.9599265	7.1399485	6.884163	7.0795245
RNF144A	5.1563945	5.20186	4.871608	4.530304	5.6211205	4.2589785	3.6391805	5.491772	5.1778245	4.81654	5.3327345	4.1231755
RNF144B	5.091017	5.3193775	5.20291	5.1055	5.1051175	4.9479965	4.780194	5.3132605	5.446086	4.8209005	4.882746	4.8100735
RNF145	8.031241	8.119698	6.914459	7.856812	7.789329	8.11677	7.943974	7.689725	8.007744	8.700433	7.09903	8.573001
RNF169	7.701439	7.730704	7.742484	7.505545	7.367511	6.867466	7.538288	7.350079	7.863707	7.708407	8.061146	7.434924
RNF181	11.2004	11.19232	10.88142	10.97129	10.62759	10.11417	10.24809	10.66385	10.74809	10.27214	10.99671	10.16968

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
RNF182	7.221324	5.751384	5.500704	7.336359	3.175549	4.876171	3.384978	3.584413	6.714328	3.617459	4.814786	2.80901
RNF187	5.0533835	5.0478385	5.162725	5.4361005	5.0372085	5.088882	4.7517905	5.258109	5.2803015	4.6281645	5.3410985	4.233316
RNF19A	6.9110015	6.815825	7.0485265	6.691825	6.875344	6.829233	5.9621195	6.895517	6.7477825	6.7349385	6.374648	6.3570025
RNF19B	6.4142485	7.2637765	6.18075	6.553408	7.051334	7.488162	7.5197235	6.9496225	7.436108	6.694371	9.022963	6.456714
RNF207	5.6634125	5.766476	5.25714	5.630874	5.3753455	5.6385635	5.7362335	5.5849915	5.7241275	5.4875815	5.7211855	5.314068
RNF208	5.313326	5.664493	5.660612	5.492177	5.070135	5.100576	4.818151	5.279997	5.351879	5.238006	5.418097	4.685644
RNF212	5.5081645	5.514272	5.347609	5.132183	5.4970735	5.1213875	5.6530445	5.4606825	5.0222645	5.2787375	5.200125	5.2555445
RNF213	6.3942935	5.340223	6.084344	5.900554	5.2664295	4.9510805	5.2634305	5.295317	6.483407	6.0540965	6.067055	6.8710015
RNF214	7.162304	7.237337	7.160113	7.439075	7.272473	6.622237	7.186756	7.196506	7.127967	7.206848	7.078971	7.140144
RNF215	4.382205	4.789565	4.458707	4.76264	4.826929	4.810987	4.668075	4.773379	4.869103	4.188777	5.025295	4.607888
RNF216	6.615924	6.8306255	6.6129045	7.139502	6.4163475	6.4780345	6.361298	6.1863665	6.683005	6.42094	6.272705	6.551621
RNF217	5.923631	6.465113	6.690178	5.802062	5.884764	6.450296	6.803115	6.133103	6.877956	6.311083	5.456511	6.502746
RNF219	6.17114	6.258742	6.277932	6.3599985	6.2625185	6.0201395	6.7124655	6.257858	6.245269	6.109477	5.9696515	5.759656
RNF220	8.414593	8.938868	8.482862	8.263693	8.233585	8.435068	8.445559	8.235947	8.580791	7.998522	9.325891	8.225342
RNFT1	5.3220045	5.1074805	5.791051	5.562007	5.8644195	5.6389995	5.374549	5.729557	5.113815	5.372781	5.8876395	5.0811605
RNFT2	4.053118	4.60146	4.39454	4.213933	4.806372	4.429428	4.9729	4.711695	6.487895	5.885246	4.533016	4.935563
RNU2-1	5.210745	5.940264	5.410965	5.682141	5.326989	5.134254	5.675958	5.373951	5.029318	5.331406	5.277963	5.908291
ROGDI	5.774835	6.169921	5.787892	6.356508	6.542614	5.343267	6.983848	6.275276	5.709788	6.109346	5.775234	5.965642
ROMO1	9.907578	10.03262	9.560491	9.94895	9.921242	9.957222	9.799809	9.935373	9.489179	9.682897	9.47607	9.451009
RP9P	7.305532	7.585664	7.593759	7.480831	7.372644	7.044331	7.70606	7.43129	7.738948	7.781358	7.680652	7.605477
RPAP2	6.432647	6.081662	6.702682	6.24645	6.5937605	6.7364095	6.616395	6.646515	6.3085065	6.692212	6.388821	6.6723215
RPAP3	7.774163	7.684072	7.7266895	7.844314	9.2526815	9.0209765	9.0390535	9.299792	8.322688	7.489546	6.6987285	7.0981455
RPF1	2.914868	2.809071	2.929403	2.830331	2.790187	2.910898	2.734501	3.018956	2.893232	3.956854	2.871376	3.642387
RPF2	9.546135	9.903624	9.694357	9.613749	10.62753	10.89829	10.95038	10.54805	9.923368	10.74133	10.34396	10.76189
RPGRIP1L	5.1692995	4.8625915	4.8678585	4.9751095	6.190388	5.1591725	6.053178	6.1177915	4.350528	5.437141	4.1800105	5.1318025
RPL15	10.8997125	11.0204715	10.779559	11.0216075	11.0338815	10.9527385	11.0457205	11.044009	10.3663325	10.8253045	11.0216185	10.8134995
RPL22L1	11.69389	11.53036	11.07571	11.49503	12.21533	11.08997	12.34908	12.21288	11.16616	11.4491	11.5431	11.6622
RPL23AP53	4.964271	5.170753	5.083904	5.075641	4.997342	5.617297	5.161861	4.966287	5.217905	5.075553	5.648215	4.678065
RPPH1	5.456909	5.623972	5.546096	5.609875	6.082851	6.036413	6.156019	6.204463	5.081774	5.984366	6.190845	5.680181
RPRD1A	7.734623	7.327481	7.7608895	7.2112645	7.93607	8.583059	8.726491	7.8072545	8.1771845	7.5067695	7.3335435	7.613641

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
RPRD1B	6.375997	6.0849905	6.225439	6.183577	6.1812875	6.438104	6.1806415	6.1671035	6.4355815	6.237676	6.6158375	5.9668685
RPRD2	7.598751	7.085886	7.324347	7.077819	7.319204	7.318012	7.418816	7.336877	7.445014	7.280725	7.256392	7.509984
RPS18	13.88956	13.94585	13.80396	13.83854	13.9308	13.82473	13.91697	13.89836	13.69105	13.92521	14.09602	13.91827
RPS8	4.084771	4.033667	3.820274	4.422471	4.649781	4.52026	4.930273	4.59857	4.389253	4.299654	4.543908	4.274469
RPTN	3.1605	3.350971	3.079809	3.368767	3.105984	5.643348	2.937323	3.272849	2.910863	3.075418	4.852505	2.945315
RPTOR	7.273708	7.310611	7.070567	6.898715	6.485851	7.346779	6.717405	6.520844	7.037849	6.892724	7.383703	7.168284
RRP1	6.419072	6.5832775	6.5271075	6.560763	6.6943865	6.881648	6.860432	6.5177015	6.3730135	6.5393205	7.173398	6.7212895
RRP12	5.115668	5.645306	5.33825	5.356095	5.52003	5.465044	5.101707	5.461249	5.2703	5.123413	5.437429	5.268068
RRP15	7.0501465	6.3128475	6.6565035	7.252106	7.452315	8.387887	8.3367495	7.456471	7.991732	7.139401	7.3566405	7.2064565
RRP1B	7.636946	7.38218	7.8036905	7.985468	8.326513	8.9887465	8.848561	8.145899	7.776019	8.026527	8.779437	8.3156175
RRP7A	8.344371	7.308056	7.800404	7.871883	7.760126	7.487986	8.644035	7.70971	7.323149	8.239742	7.536461	7.952567
RRP8	3.247741	3.389326	3.000606	3.016825	2.557564	4.056737	3.089708	2.621857	3.059314	2.759274	3.061064	2.55856
RRP9	6.305165	6.137841	6.031866	6.874551	6.941535	7.709616	7.645205	6.577086	7.361942	7.474137	8.343466	7.655613
RSF1	7.1510035	6.872992	6.4936265	6.4919955	7.4386585	7.435704	8.0257995	7.449961	7.3165855	7.6704535	6.139702	7.742868
RSL24D1	10.808175	10.832865	10.625955	10.60844	10.932855	11.278455	10.947395	10.816335	11.056505	10.72674	11.27959	10.768655
RSPH1	3.874294	3.414321	3.814827	3.49336	3.543808	3.57359	3.598224	3.733807	3.836235	3.71192	4.145546	3.225771
RSPH3	7.270689	7.4443595	7.387293	7.205042	6.2313445	6.787609	5.445187	6.3237005	6.9908395	5.939482	6.6582305	5.782764
RSPH9	4.490295	4.881435	4.738885	4.719894	3.728057	3.911998	3.681732	4.04699	4.28248	3.901918	4.105127	3.795942
RTKN2	2.5448585	2.5501045	2.6343285	2.5475785	2.5986135	2.5788685	2.8657195	2.475577	3.036081	2.915357	2.688945	2.580389
RTTN	5.956735	5.897169	5.523667	5.225972	5.475914	5.464696	5.45397	5.958136	5.38035	5.325711	5.592193	5.306744
RUNDC3A	5.1672145	5.4414445	5.705593	5.5161985	5.7771675	5.7141245	5.5238775	5.81896	5.82	5.788182	5.7011555	5.5531405
RUNDC3B	3.349295	3.4760975	3.748331	4.193235	3.3414215	3.4213565	3.039227	3.1807165	3.565064	3.2152405	3.5154285	3.37886
RWDD2A	6.1574685	6.3464135	6.773818	6.4556245	6.7850965	6.500357	6.302881	6.9150885	7.214588	6.2819525	6.4104895	6.110097
RWDD2B	8.135687	7.1717135	7.69917	7.27287	6.7818705	6.7111055	7.5463115	6.931115	7.3925745	6.4537035	7.4286775	6.6337215
RWDD3	7.887863	7.864139	8.02499	8.065277	8.352493	7.525194	7.89807	8.503457	8.04257	8.305356	7.877539	7.276249
RXFP1	7.007562	5.491894	6.142697	7.265779	3.323902	3.187499	3.267433	3.102043	3.024453	2.971324	3.079743	2.956949
RXFP2	3.386007	3.181536	3.427178	3.267555	3.230098	3.54057	3.405763	3.381429	3.122126	3.278355	3.435938	4.108733
RXFP3	3.136557	3.106766	3.022418	3.020899	3.614649	3.320745	3.277869	3.378069	3.200721	3.265744	3.292645	3.257856
S100A7A	4.3149385	4.46663	4.3969465	4.231748	4.1970275	4.0919395	4.11821	4.271661	4.14676	4.0798	4.2115065	4.104937
S1PR1	5.254299	5.7323855	5.442695	5.8698535	6.5016465	7.0552305	6.083953	6.559172	4.7258235	6.253995	6.4155595	6.2679875

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
S1PR2	5.310097	5.3390095	5.987996	5.9866395	5.300317	4.780032	5.08899	5.3672035	5.3312595	5.429917	5.127987	5.382066
S1PR3	7.978086	6.8211805	7.600599	7.79035	5.374289	6.090749	6.4505775	5.206866	6.2036795	5.4485735	5.844866	5.3542535
S1PR4	6.185271	6.46924	6.231864	6.028737	6.06996	5.661767	5.969314	6.002205	5.690889	5.926994	6.117499	5.630414
S1PR5	4.574637	4.558783	4.36639	4.84572	4.54112	4.252568	4.289939	4.538832	4.411455	4.404484	4.505341	4.249509
SAC3D1	8.063369	8.183206	8.32445	8.30228	9.395508	9.286421	9.650133	9.048633	8.053652	8.804747	9.893827	8.593573
SAMD5	3.690126	3.594125	3.868676	3.579108	6.908268	7.166219	7.45121	6.845357	5.569637	7.938582	5.382166	9.383094
SAP30L	6.0501115	5.6884505	5.8996795	5.2457135	5.49884	5.213679	5.202221	5.636155	4.9445785	6.000691	5.7953745	5.9616045
SASH3	4.757832	5.140749	4.696809	4.661407	4.468049	4.531498	4.568104	4.655791	4.583092	4.445632	4.237338	4.487676
SAT1	9.621941	8.93594	9.040764	9.54186	9.74575	9.264001	7.729885	9.853941	11.1928	8.913528	10.52707	8.727921
SBNO2	6.9524295	7.473258	6.685091	6.537425	5.3786705	5.5457445	5.2868475	5.365787	5.3223885	5.394786	5.3337255	5.0764755
SCAF1	5.081634	6.462159	5.468805	5.502439	4.740581	4.985972	4.916265	5.110913	4.442165	4.740581	4.91962	4.864266
SCAPER	4.85876	5.213419	5.169491	4.793234	4.934142	4.80188	4.690975	5.166175	4.729603	5.162794	3.901783	4.716028
SCARNA17	5.023806	4.717718	4.828425	4.058836	4.330379	5.702759	4.255109	4.119562	4.383399	4.857512	4.548656	4.769824
SCARNA2	4.381582	4.740106	4.218179	4.533283	4.689499	5.817456	4.275439	4.857724	4.130608	4.291079	4.616776	4.162927
SCLT1	5.011755	4.797155	4.394744	5.192299	5.567483	5.843397	6.642643	5.422102	5.508241	5.589302	5.18013	5.196041
SCN2A	3.7093235	3.2400075	3.4245935	3.839282	3.8886095	3.771601	3.292594	4.25347	6.1623405	4.855334	3.1430925	4.497883
SDHAF1	7.4330035	7.623985	7.574769	7.699118	7.7610055	8.0791045	8.0008905	7.70855	7.6436925	7.5831805	8.0688195	7.611623
SDHAF2	8.549463	8.253846	8.685331	8.821723	9.486454	10.02713	9.261441	9.587986	9.40585	8.279997	9.694635	7.617772
SDR16C5	2.866458	2.928713	3.281497	3.162917	2.968457	3.571647	3.487438	3.111968	2.954058	2.889198	3.017748	3.16077
SDR39U1	8.286673	7.81203	7.947534	8.19626	8.729983	8.259984	8.805195	8.702864	9.312277	8.707621	8.507999	9.074018
SDR42E1	4.133499	4.230907	4.213854	4.1031635	4.1760865	4.1720825	4.021548	4.1411225	5.11386	3.9914225	4.154656	4.3167995
SDR9C7	3.387648	3.388951	3.188432	3.389416	2.991312	3.232018	2.939258	3.047421	2.946391	3.039792	3.108187	2.919924
SEC11A	11.4262	11.201575	11.47132	11.505185	11.205965	11.20565	11.289885	11.175985	11.38565	11.24602	11.38391	11.31001
SEC11C	5.7850055	5.172578	5.539355	5.8816605	6.5719735	7.486553	7.2003095	6.4992015	6.4592155	6.4290075	6.8178315	6.2979245
SEC13	11.70875	11.67408	11.65811	11.87407	11.13018	11.01963	11.13115	11.06454	11.37118	10.99672	10.91723	10.76272
SEC14L5	4.391066	4.392869	4.568251	4.673683	4.385323	4.75575	4.391066	4.294264	3.923507	3.921082	4.437134	4.345952
SEC16A	9.415121	8.810303	9.639101	9.337334	8.987877	9.424377	8.823681	8.909336	9.510647	9.354534	9.759438	9.209548
SEC16B	5.245701	4.940595	4.619647	4.645192	3.334856	2.974491	3.004496	3.089708	3.833634	2.859426	3.318007	3.054543
SEC22A	6.61434	6.075505	6.7292285	7.1514575	6.118878	6.3716695	5.9244845	6.157856	7.040601	6.213994	6.1506415	6.2420265
SEC22B	7.862235	8.91774	8.382996	9.054028	9.083618	9.000787	8.857327	9.092878	9.778915	8.722316	8.789232	8.482677

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
SEC31A	10.953475	11.02659	11.222375	11.302245	10.86048	11.012195	10.538496	10.88464	10.465992	10.9112	10.369229	11.098475
SEC31B	5.398929	5.193973	5.675937	5.475913	5.539038	4.944352	5.09652	5.544482	5.956207	5.979564	5.414544	5.944899
SEC62	9.553469	9.215204	9.414024	9.279609	8.650782	9.10736	8.676914	8.654337	8.921097	8.4182	7.553726	8.595234
SECISBP2L	7.4663275	7.9544695	8.0163005	7.3170715	6.660938	7.489134	7.6165945	6.6012105	6.8160795	7.733589	6.674503	8.424446
SEL1L2	3.782505	3.814876	3.904085	4.082613	3.903929	3.951283	3.997798	3.807636	3.833421	3.850054	3.908936	4.069106
SEL1L3	4.875027	5.3131575	5.566613	5.987403	4.7027795	5.533091	5.767637	4.9188555	5.861108	6.0046255	6.2033295	4.700514
SEMA6A	2.913237	3.769965	3.26728	3.503934	4.873958	3.56775	4.237015	4.712637	3.472798	6.61985	4.352569	6.679312
SENP1	6.573606	6.3269635	6.477325	6.43384	6.632088	5.9231255	6.9179985	6.3717945	6.7710155	6.0688225	6.0756445	5.1966035
SEPSECS	5.476943	4.331956	4.89587	5.464129	6.322252	5.874058	5.909358	6.423714	5.849688	5.508089	6.203187	5.607233
SERBP1	10.46515	10.60457	10.45826	10.50879	11.41226	11.52948	11.798	11.28718	10.68424	10.64249	10.84427	10.30159
SERP2	4.2204595	3.082296	3.2335055	3.415624	3.818686	3.250827	3.615177	3.777633	3.5113575	3.9391145	3.863407	3.823669
SERPINA2	3.57222	3.96523	3.544763	3.690194	3.274404	3.301868	3.380717	3.578008	3.527721	3.474308	3.500253	3.179106
SETD1B	9.005821	8.745716	9.364229	8.980077	9.040539	9.085665	9.129263	9.153782	9.094466	9.309738	9.44911	9.214808
SETD2	7.376471	6.950274	7.54744	6.890205	6.746262	6.991685	7.029746	6.680651	7.023689	7.398551	5.868987	7.120312
SETD5	7.683811	7.827697	7.202293	6.226927	7.737592	7.602782	7.824957	7.44827	7.43353	6.934528	6.778388	7.024086
SETD7	7.4256645	7.158292	7.677558	7.3461855	6.9274035	7.476695	7.2263125	6.7793395	6.9425985	7.1728995	7.7066665	7.3322335
SFTA1P	3.699828	4.124421	4.02201	4.222281	3.615126	3.746805	3.899	3.744339	7.506548	3.644378	3.850558	3.351887
SFTA2	3.044933	3.021386	3.121411	2.976986	2.900891	2.978772	2.9213	3.020139	2.932861	2.91853	3.342713	3.036912
SFTA3	2.342135	2.3219	2.529068	2.31667	2.246722	2.237514	2.363373	2.17089	2.309464	2.268693	2.234269	2.233211
SGK1	11.71235	11.38229	10.70047	10.87368	9.823586	8.6544	10.44087	9.637421	10.99257	11.60658	8.616807	10.73812
SGMS1	7.919832	7.629696	7.949782	8.380428	8.536066	9.35885	8.241057	8.634841	7.845677	6.650699	8.698686	7.35967
SGMS2	6.819294	7.024642	7.867211	7.081403	6.422849	8.732873	8.010075	6.300534	6.503824	6.128511	6.619385	5.721108
SGSM1	4.313663	4.925156	4.416565	4.420779	4.799422	4.408198	4.573579	4.72824	4.484847	4.425626	4.444366	4.291329
SGSM2	6.669948	6.674966	6.559693	6.295792	6.49442	6.101259	6.268741	6.554935	6.14384	7.223689	5.894484	7.340965
SGSM3	6.919525	7.003734	6.829094	7.015651	7.170602	7.628041	7.006969	7.134915	6.770593	6.987575	6.945856	7.118772
SH2B2	6.112764	6.30047	6.207059	5.590566	6.077909	5.84799	6.104507	6.047584	5.93679	7.070814	6.402877	7.070814
SH2B3	8.977405	8.324678	9.146249	9.469278	6.422506	5.018275	6.238594	6.134998	9.629608	6.577426	7.620761	6.263351
SH2D5	5.067865	5.580269	5.660184	5.812562	5.059661	5.396152	5.055934	5.263259	7.118457	5.193063	5.734717	4.828912
SH2D6	4.734054	4.983517	4.863154	4.905313	4.95585	4.997216	5.037325	4.942381	4.858059	4.70328	4.956472	4.878908
SH3RF1	7.926507	8.2861295	8.686745	8.363442	7.515456	7.385068	7.8247755	7.527305	7.2887335	7.4667175	6.6864345	7.5819735

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
SH3RF3	5.736189	5.488799	6.094693	5.847898	4.802144	5.153	4.334991	4.586673	8.649855	4.764668	8.260527	4.740682
SHC2	5.719663	6.054651	5.794416	5.500604	5.975639	5.579995	6.251084	5.926786	6.449178	8.684723	6.006515	8.12862
SHISA2	3.297089	2.944553	3.254327	3.400623	3.161279	6.995615	3.550321	2.755302	9.818336	2.861521	3.84075	3.015533
SHISA3	2.168887	2.447096	2.547612	2.540102	2.560952	2.490811	4.441254	2.526718	3.570856	3.051665	2.923678	4.184065
SHISA4	6.11893	6.572524	6.554247	6.403962	6.853293	6.759146	5.850647	6.68065	6.308339	5.873023	5.979518	5.411574
SHISA5	9.115858	9.147282	9.430303	9.854862	9.326778	9.881434	9.836218	9.276958	10.27684	9.649419	10.09893	9.811575
SHPK	6.364861	5.680986	5.695571	5.826549	6.291298	5.817281	6.373816	6.166774	5.431509	6.023602	6.097754	6.221913
SHROOM1	5.519364	5.551445	5.544619	5.564025	5.382863	5.125962	5.266831	5.3202	5.364832	5.324772	5.116241	5.196259
SHROOM2	3.898507	4.038617	4.803295	4.699976	5.341928	4.873837	6.280879	5.219406	5.191783	6.648614	5.146909	6.212696
SHROOM3	7.25535	7.844233	8.636852	8.477024	3.643485	5.606123	4.610652	4.061435	6.26447	4.48455	6.442472	4.994769
SIAH3	2.714924	2.688024	2.587902	2.720175	2.627519	2.728535	2.538227	2.512004	2.817294	2.679999	2.833073	2.669717
SIGLEC1	4.708537	4.7224395	4.7906515	4.985485	5.1965005	4.9083285	4.870665	5.244297	5.001381	5.047762	5.0357135	4.76039
SIGLEC15	4.913989	4.643567	4.648966	5.149788	4.403471	4.403471	4.278643	4.196384	7.019241	4.670563	4.453737	4.557267
SIGLEC16	4.554601	4.566762	4.658351	4.430159	4.725409	4.48724	4.682551	4.545404	4.575271	4.524746	4.903227	4.620265
SIGMAR1	9.0569505	9.278389	9.024818	9.215559	9.73868	10.85082	10.160171	9.5535755	8.894969	9.071794	10.0723755	9.326512
SIK1	6.1523	6.857542	6.318191	5.616735	5.709533	6.565316	6.0033255	5.4854705	8.148248	6.0383095	6.4594025	6.023396
SIK2	6.405725	6.3409965	6.6719725	6.6902145	6.2784645	6.28387	6.03448	6.2599185	5.9991355	6.0190515	5.9957875	5.8040985
SIK3	6.838735	6.505964	7.3111395	6.441818	5.8826835	5.9151635	5.443794	5.826659	6.177845	5.5993605	5.7241615	5.2065355
SIRPA	8.314348	8.413619	8.604218	8.678534	5.423709	7.362627	5.664563	5.570698	7.326735	6.2492	7.145335	6.109141
SIRT7	7.403952	7.184522	7.416843	7.507843	7.763626	9.02655	8.045631	7.741962	7.533786	7.706783	8.310514	7.485444
SIVA1	8.559825	8.457422	8.195577	8.59121	8.750427	8.461737	9.26485	8.484117	8.810284	8.409073	8.731186	8.314581
SKA1	6.638311	6.433992	5.653558	6.420588	5.615372	3.074964	6.844365	5.409822	3.577194	5.512743	4.813791	4.932435
SKA2	8.8771965	8.4592365	8.3961635	9.04605	8.9757475	7.104287	10.066377	8.7795125	9.496202	9.1349095	7.636099	8.815441
SKP1	10.66109	10.469254	10.3585595	10.75937	11.218055	11.216075	10.796105	11.206405	10.85755	10.309335	10.665725	10.0339675
SLAIN1	3.034945	3.073274	3.169509	2.801525	2.914128	2.777288	6.472246	2.876721	3.253042	5.066476	3.037931	4.20211
SLAIN2	6.467603	6.428305	6.902565	6.419588	7.089873	6.936445	6.776389	7.057991	6.167197	6.490143	6.59831	6.48194
SLC17A9	7.320135	7.166945	6.237351	6.25452	5.369632	5.634605	6.021935	5.28594	5.491684	4.993606	6.28374	5.050805
SLC22A23	5.9300125	6.108499	5.7405675	5.8945615	6.0316445	6.0633275	5.6285755	6.02003	5.502815	5.443505	5.7913385	5.2650855
SLC22A24	4.392897	4.211061	3.976074	4.637993	4.543335	3.985541	3.881904	4.202693	4.175755	4.030739	4.257505	3.86809
SLC22A25	4.4628795	4.419038	4.4665965	4.550574	4.6866745	4.586259	4.556411	4.712015	4.5541085	4.40489	4.816483	4.434469

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
SLC25A33	7.377225	7.118706	8.242378	7.808426	8.905734	9.835896	9.308783	8.738511	9.196806	8.416315	9.486925	8.601154
SLC25A38	7.215808	7.48204	8.102887	7.965271	8.688521	9.120967	8.937607	8.747804	8.98788	8.387377	9.268954	8.560261
SLC25A39	8.578571	8.674191	7.959034	8.562214	9.420035	9.781534	9.461959	9.361748	8.749066	8.601527	9.05987	8.791784
SLC25A41	4.455338	4.749662	4.44406	4.922651	4.795439	4.745074	4.757701	4.351117	4.711736	4.642375	4.838092	4.764668
SLC25A44	6.861405	6.5272595	7.283578	7.4971415	7.9759515	8.6296495	8.4886295	7.8440215	7.8513085	7.506131	7.9182145	7.4138495
SLC25A46	9.34165	9.177647	9.1728425	9.4912365	9.395309	9.545735	9.504906	9.394222	9.8424645	8.7331675	9.140912	8.8004285
SLC25A6	12.035415	12.0429	12.187745	12.060785	12.101845	11.800755	12.34786	12.082	11.64104	12.37217	11.865285	11.383155
SLC28A2	3.7233	3.959501	3.766485	4.0541755	4.1651145	4.011311	3.9791595	4.139567	3.906568	3.7180965	3.855491	3.9102345
SLC31A1	7.466224	7.310961	8.129462	8.000588	7.302975	7.974336	7.670655	7.07698	7.743571	7.371472	8.483295	7.602326
SLC38A10	5.235448	5.724496	4.659091	5.387806	5.30476	6.282312	5.632322	5.51103	5.276584	5.033448	5.182839	4.753624
SLC38A11	2.8941325	3.0404915	3.128888	3.2823375	3.1584645	3.107231	3.1551165	3.2159865	3.1029885	2.7450945	2.989402	2.815064
SLC38A4	3.5355235	3.32681	4.460608	3.8373535	6.754504	6.336853	9.4756245	6.687998	4.725313	9.139052	3.621244	8.371632
SLC38A7	6.1257625	5.836256	6.196025	6.3842915	6.7790635	7.148648	6.4786005	6.676158	7.282934	6.6541145	7.227107	6.666986
SLC38A9	5.5381785	4.8651205	5.2145	5.4075555	5.4210585	5.448278	5.377369	5.310968	5.8837085	6.4676975	6.358168	6.5007865
SLC46A1	5.316959	5.143129	5.55592	5.4360025	5.379009	5.800042	5.2260705	5.501905	5.4306065	5.386491	5.629354	5.178548
SLC46A2	4.197015	4.464364	4.085918	4.374472	4.049431	3.985043	3.910089	3.880527	4.000688	3.900519	4.050706	3.840372
SLC46A3	3.815336	3.951368	4.628372	4.27556	7.487386	7.486781	8.312177	7.700206	6.66254	8.985954	5.352386	8.668962
SLC47A1	4.913989	4.620657	4.333533	4.862807	6.163907	7.912389	6.251084	6.042567	5.737054	7.455606	8.279767	7.060263
SLC47A2	4.695662	4.400998	4.369424	4.743508	4.807535	4.866715	4.500576	4.672382	4.946437	4.737364	5.038925	4.455338
SLC48A1	5.489302	6.073246	6.405763	6.164686	6.198257	6.932444	5.64435	6.161074	6.742595	6.530505	6.125088	6.440187
SLFN12	6.702747	6.578761	6.94685	6.816643	6.284202	4.60667	4.727628	6.699297	7.45938	3.535733	5.961145	3.941581
SLFN5	8.6292925	8.3545375	8.197829	7.5925385	8.4160605	7.7907605	6.944242	8.4773655	9.06965	7.176611	9.5732345	6.1277875
SLFNL1	4.321437	4.2025855	4.317265	4.073777	4.117229	3.9914355	4.0270765	4.1785765	4.201402	4.2850495	4.1636975	4.295064
SMAGP	8.592896	8.636291	8.782697	8.88563	8.773913	9.3252	8.0092	8.669971	7.519999	8.027267	9.89323	7.942105
SMAP2	7.751459	8.11721	7.899182	8.782752	7.20348	7.17341	7.254703	7.121781	6.672628	7.394106	6.980302	7.323768
SMC1A	4.242613	4.592451	4.131838	4.251141	4.351055	3.96727	4.828512	4.041149	4.399924	4.518422	4.329936	4.276482
SMC1B	3.230634	3.565094	3.328374	3.137481	3.2936	3.109284	3.246811	3.316315	3.312027	3.456436	3.269863	3.37444
SMC5	6.777884	7.228349	6.539758	5.835509	5.456107	5.683883	5.994799	5.503413	5.575884	6.228816	4.274677	6.251633
SMC6	7.1502165	6.790769	6.860176	7.2947275	6.990187	6.905296	7.4827405	6.801533	7.8485905	6.978348	5.4889185	7.2465115
SMCHD1	6.508433	6.511025	6.7778275	6.1262505	6.091344	7.11786	6.6869905	5.8515845	6.0029225	6.0677185	5.643717	6.6296145

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
SMTNL1	5.253443	5.788145	5.351982	5.385511	5.63181	5.083522	5.148425	5.356467	4.96489	4.893044	5.261167	4.752705
SMTNL2	4.34319	5.187743	4.608112	4.78181	4.2722	4.099675	4.099745	4.141705	4.055523	3.981362	4.19637	3.860361
SNAPIN	9.581206	9.384312	9.547361	9.557939	9.704447	8.918617	9.740925	9.648907	9.145112	9.246403	9.439936	8.992302
SNED1	5.17041	5.3231095	5.61014	4.878293	4.812424	4.447723	4.666767	4.911689	4.2456325	3.76297	4.357462	4.081182
SNHG4	3.542692	3.943908	3.57552	3.842431	5.670462	5.998325	6.278457	5.592205	3.91727	3.821961	4.309645	4.488603
SNORA37	4.130855	3.865493	3.743604	3.699193	3.654824	3.548958	3.934206	3.59343	3.308675	3.938736	3.546122	4.034833
SNORA65	4.483753	4.049814	4.700624	4.53514	4.537817	4.651152	4.479041	4.564737	4.446795	4.407709	4.489626	4.500856
SNORA68	4.879615	5.012599	4.826632	4.968052	4.799866	5.074398	5.207754	4.913559	5.095404	4.213952	4.659167	4.455338
SNORA71A	4.5460655	4.939631	4.5733215	4.5965625	4.6927675	4.559828	4.5105615	4.7282755	4.412353	4.443432	4.597182	4.3478745
SNORA71B	5.24707	5.23195	5.445908	4.951556	5.382061	5.14915	5.226207	5.242539	5.091925	5.221336	5.553968	5.485203
SNORA72	4.559277	4.347239	4.337083	4.410701	5.21703	5.246888	5.577484	5.164177	5.208982	5.330943	4.934596	5.046698
SNORA74A	3.013197	2.768848	2.469505	3.043894	3.260414	3.049267	3.386877	3.21379	3.322664	2.950164	3.284163	3.071885
SNORA78	6.525167	6.629859	6.962397	6.835549	7.245864	7.0481	7.129933	7.212247	6.908202	6.732641	7.059717	6.926801
SNORD113-3	5.564425	4.22942	4.446027	5.851791	6.196505	6.173903	6.960229	6.375576	4.098912	8.987885	7.490051	8.902429
SNORD114-3	5.808322	5.22364	5.522114	5.475175	5.713722	5.977125	6.643853	5.680859	5.304469	8.936566	6.381341	9.058329
SNORD8	3.7541025	4.055323	4.0224925	3.7503805	3.8445495	3.585041	3.911179	4.025451	3.739281	3.812501	3.8024995	4.088753
SNORD89	6.688332	6.091423	6.07283	6.248536	6.72926	6.5057	7.470318	6.920847	6.362088	7.254065	6.648257	6.931788
SNRNP200	5.3728495	5.650448	5.500269	5.4583795	6.023156	5.5376575	5.927201	5.980373	5.7113315	5.703256	5.484418	5.903952
SNRNP25	9.364927	8.905852	8.843473	9.413397	9.858109	8.86601	10.13261	9.746777	8.715674	9.197274	8.76848	8.576989
SNRNP27	9.4593565	9.424174	9.019043	9.4032115	9.437947	8.7846295	9.313913	9.3352075	8.890285	8.8918845	9.153636	8.9428225
SNRNP35	7.812011	7.462421	7.305364	7.493609	7.117715	7.350508	7.666708	6.853763	7.595807	7.450827	7.42963	7.762817
SNRNP40	7.753882	7.74716	7.398127	8.500459	9.858534	9.487399	10.06704	9.866157	9.05031	9.387313	9.740259	9.333368
SNRNP48	7.286133	7.199798	6.7283205	7.116304	6.8254215	7.3570295	7.219334	6.7170365	6.7784815	7.33373	6.3208265	7.6413525
SNRNP70	7.135166	7.455292	6.8355945	6.8909265	7.301423	7.3433475	7.3000395	7.0942425	6.993567	7.5583935	6.9130005	7.376992
SNTN	2.323589	2.606348	2.993503	2.445587	2.46876	2.636849	2.278754	2.291596	2.318928	2.409737	2.534766	2.318928
SNX18	7.4888665	7.681774	7.899774	7.598021	7.46038	8.060098	7.091064	7.6015565	7.4301875	6.990013	7.7456565	7.034859
SNX20	3.819411	4.383359	4.27295	4.478435	4.264259	4.064873	4.186702	4.216978	4.007556	3.800834	4.070272	4.118571
SNX29	4.394457	4.382084	4.489782	4.024605	4.485016	4.852434	4.313807	4.591187	4.618487	4.460763	4.706936	4.704428
SNX30	8.379044	8.565424	8.554171	9.218361	8.672444	8.864526	8.686077	8.610166	7.944303	8.347917	8.249787	8.400166
SNX31	2.641471	2.770228	2.708737	2.647979	2.68709	2.568964	2.663981	2.621581	2.62447	2.688289	2.68709	2.733069

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
SNX32	5.029795	5.2065915	5.2845815	5.24145	5.1794335	5.009441	4.7022215	5.1230705	5.176174	4.7906245	4.872668	4.832338
SNX33	7.262936	7.226453	7.6351805	7.1784795	6.827024	7.0828435	6.393424	6.399786	7.146912	6.7827065	7.03068	6.7861645
SOBP	4.044312	3.9106335	4.014636	4.2913505	3.908888	3.7791775	4.319449	4.06828	3.8824075	4.554055	4.0000345	5.0139995
SOHLH1	5.862629	6.022468	5.894433	6.025893	6.248739	5.973431	5.827388	6.180655	6.001848	5.48853	6.045356	5.565308
SP140L	3.565114	3.460647	3.845386	3.585715	3.534604	3.890484	3.268929	3.68022	3.418307	3.475785	3.785331	3.65208
SPAG11B	3.832567	3.818884	3.57218	3.73066	3.813157	3.7752025	3.89978	3.859147	3.508036	3.68654	3.859628	3.778902
SPATA17	3.996803	3.650513	4.004525	3.810984	4.161205	4.134163	3.668152	4.2540035	4.0888575	3.934158	5.557056	3.5397095
SPATA2L	7.128715	7.376335	7.530796	7.185656	6.703746	6.71316	6.973245	6.668881	6.900864	7.765842	7.672321	7.57658
SPATS2L	5.183308	5.072461	4.756093	4.481049	4.406748	3.721798	3.368237	4.081148	4.634066	6.121383	4.234689	6.467603
SPDYA	2.64891	2.525181	2.859426	3.212238	2.727064	2.831802	2.715546	2.713222	2.819596	2.988928	2.888098	2.778492
SPEF1	4.913989	5.418097	5.054498	4.635497	4.589339	4.90283	4.556088	4.629293	4.902305	4.801278	4.777306	4.78583
SPEF2	4.180905	4.602641	4.624828	4.319325	4.705687	4.45578	4.633102	4.777466	4.624794	4.48934	4.649106	4.510736
SPEG	5.402594	5.51286	5.594978	5.472757	4.943092	4.902736	4.823306	5.055149	5.115335	5.331406	5.104238	4.855385
SPEM1	4.738287	4.796773	4.636986	4.908934	4.927402	4.851085	4.770455	5.022891	4.860569	4.67826	4.778049	4.355435
SPG11	5.5605235	5.777749	5.698904	5.1966745	5.198414	4.974104	5.183069	5.287325	4.9060605	5.2072345	5.086793	5.268855
SPHKAP	5.12791	3.760603	4.017731	4.052607	3.670549	3.487757	3.760603	3.533923	3.484189	3.636732	3.786109	3.667457
SPIN2A	4.302163	4.139477	4.630965	4.498379	4.53955	4.414638	4.388799	4.391399	4.357714	4.218099	4.295008	4.289687
SPIN3	4.68483	4.497318	4.8792005	4.990015	6.1093	6.2804995	5.861065	6.1393905	6.515438	6.36163	6.983301	6.1925065
SPIN4	7.711591	7.64635	7.356978	8.151218	9.099104	7.847684	8.353513	9.085222	7.787904	8.124666	8.190199	8.545053
SPINT3	3.490373	3.872456	3.494219	3.799345	3.701566	3.332723	3.781822	3.750009	3.829836	3.569562	3.75598	3.414702
SPNS1	7.370463	6.968125	7.185537	7.102976	8.241188	8.696144	8.141509	8.23254	8.605478	8.171177	8.231819	8.255449
SPNS2	5.544044	5.514359	5.439547	5.36772	5.829848	5.986923	5.78084	5.882641	5.864633	6.132398	5.737381	5.488866
SPNS3	5.00164	5.541299	5.115962	5.502943	4.434722	4.85253	4.968279	4.825486	4.428789	4.097745	4.954252	3.854119
SPOCK1	10.6893	11.42598	11.16606	11.51687	12.02928	12.52024	8.545284	12.23991	10.56308	11.97357	12.88904	10.33162
SPOPL	7.7112825	7.500272	8.0641875	7.817295	7.3758135	8.232171	7.4235455	7.3574795	7.9075845	7.7845595	7.2050415	7.114354
SPRYD4	6.579942	6.501171	6.432431	6.962111	8.048547	8.267567	7.940559	7.898835	7.213377	6.593211	7.016927	6.882828
SRBD1	7.203421	6.719813	7.148671	7.402933	7.694879	7.526018	8.241758	7.689695	7.818131	7.692033	6.988142	7.622242
SRD5A3	5.632423	5.290144	6.309927	5.551518	5.069007	5.987642	6.502226	4.788122	5.750971	6.202986	5.635631	5.801781
SRL	5.599961	5.081999	5.341011	5.175379	5.064781	4.988925	5.30143	5.126114	4.603076	5.040873	5.029704	5.176992
SRPK3	5.889006	6.649144	6.115663	6.208291	5.903096	6.369368	5.64641	6.161218	5.59888	5.562305	5.709635	5.255424

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
SRRD	7.150568	6.758287	7.236253	7.55254	7.8661875	8.4444385	8.1980125	7.8333595	8.065137	7.574805	8.709192	7.3847295
SRRM4	3.940828	3.776234	3.596815	3.565093	3.640845	3.378722	3.642557	3.565093	3.636841	3.45179	3.767901	3.615415
SRRM5	3.751891	4.118323	3.862986	3.932402	4.042368	3.863363	3.900518	3.975352	3.95516	3.674899	3.857448	3.905221
SSPO	4.763666	5.3033	4.969097	4.952059	4.917568	4.862604	4.640067	4.8283	4.601546	4.395193	4.799881	4.21611
ST20	6.630108	6.3311195	6.1645895	5.758975	5.6125145	5.8979355	6.1726265	6.0325335	6.057628	6.3753885	6.1637175	6.533296
STAG3L1	4.995886	5.259155	5.54202	4.323761	4.857244	4.688855	4.75819	4.675791	5.043733	5.039511	4.739873	6.156693
STAG3L4	5.7975405	5.8529355	6.016116	6.0992085	6.396749	6.1845975	6.60584	6.388242	6.974306	6.32101	5.804799	5.981347
STAP1	2.633719	2.740359	2.8341535	2.6833785	2.7294805	2.7957755	2.6043265	2.719141	2.8301135	2.804862	2.8468275	2.6335945
STARD9	5.076343	4.915076	5.171237	4.538279	4.924173	4.118264	4.707969	4.648803	5.207228	6.071453	4.466492	5.307151
STBD1	3.390145	4.269555	3.695634	3.573919	3.316556	3.308501	3.546369	3.684775	3.381429	3.212707	3.433308	3.757584
STMN3	6.4169525	7.0758935	5.99386	6.342405	6.545124	6.117856	7.296022	6.184442	5.566813	6.114472	6.048511	5.9809445
STRADA	7.226411	7.248717	7.438275	7.411268	7.466089	7.581646	7.73202	7.641277	7.342908	7.722307	7.269857	7.625415
STRADB	8.612563	8.654393	9.011463	8.955004	9.359769	9.867444	10.95768	9.476786	9.006386	10.17726	9.571111	9.897684
STX1B	4.4184685	4.820003	4.605413	4.7737655	4.564017	4.406458	4.5499055	4.6369135	4.7027575	4.259171	4.5782145	4.341184
STX3	4.3613	4.641231	4.906397	4.499714	6.230247	7.563818	4.891146	6.389892	8.123014	4.755529	5.220239	4.104394
STX4	6.015232	6.190457	5.905707	6.26648	6.048954	6.031851	5.813752	5.984821	6.242284	5.859374	6.083231	5.639373
STX5	6.967388	7.426083	7.290785	7.493803	6.252785	5.673781	6.02697	5.850402	6.210645	5.368659	6.045925	5.581005
STXBP4	3.8738075	3.356335	3.4799855	3.9599535	4.913976	5.199599	5.032406	4.8663895	4.1957745	4.291426	3.6811435	4.2788365
STXBP5L	2.528218	2.407316	2.79785	2.63342	2.993172	2.335342	2.335174	2.718878	2.400047	2.409737	2.476644	2.425459
SUCNR1	3.610743	3.988358	3.919838	3.565093	7.843136	4.466106	8.658072	7.599154	3.706533	8.909734	6.311246	9.951876
SULT1B1	5.164227	5.395113	5.355425	5.072706	5.416211	5.067799	5.30143	5.27732	4.740084	5.028491	5.46067	4.929416
SULT1C4	3.083979	2.94536	2.974285	3.070086	3.351655	3.229101	3.022032	3.048237	3.608447	3.107768	3.404403	3.019316
SUSD5	2.792868	2.326008	2.604669	2.855493	2.828662	9.146144	8.191151	3.241855	6.439721	6.810122	7.517524	6.511802
SVIP	3.4862815	3.6988925	3.686523	4.108265	4.1015095	4.737806	3.479926	3.9372565	5.6774025	3.8375745	3.6701915	3.7392195
SVOPL	3.199825	3.300528	3.126762	3.272339	3.218834	3.151591	3.171254	3.448666	3.269694	3.218836	3.169643	3.2365
SYCE1L	3.520696	3.7904125	3.552933	3.5463435	3.515567	3.242506	3.330169	3.464619	3.617466	3.860798	3.356217	3.717078
SYCE2	4.001944	4.218189	4.058417	4.138661	4.0053	3.602917	3.705334	3.599647	3.550558	3.900519	3.484066	3.516976
SYCP2L	3.780715	3.446108	3.55513	3.678961	3.678961	4.218533	4.217371	3.745795	5.238126	4.296233	4.320562	6.20656
SYDE2	3.525702	3.011001	3.774759	3.549065	3.560885	4.096203	3.626361	3.467198	4.410745	3.405423	3.196658	3.539508
SYNC	8.431755	8.138044	8.915992	8.999048	7.2367	6.709678	5.874894	7.390203	8.158027	5.503202	5.822932	5.246877

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
SYNM	6.2441	5.766432	6.484494	6.616854	9.780267	10.17555	11.08638	9.843659	6.951612	11.25703	10.1022	11.75415
SYS1	7.0560345	6.624897	7.2507235	7.4343995	7.261716	7.7500675	7.084241	7.219435	7.5040565	6.8456515	7.66392	6.651556
TACO1	5.998957	6.2198525	6.317415	6.4153465	6.738252	6.739942	6.6343595	6.8611675	6.5511225	6.22587	7.2439475	6.476602
TADA2A	5.004325	5.011852	4.803966	4.932607	5.366829	4.452704	5.67039	4.831314	5.120192	5.294523	5.738354	4.788418
TADA2B	7.1752985	6.9032265	7.344296	7.3318155	7.063068	8.084287	7.210616	7.170514	7.381533	7.5313745	8.3766905	7.8044705
TADA3	6.71195	7.009437	6.6454645	6.754408	6.552064	5.859687	6.233892	6.5281635	6.2024055	6.1935645	6.256425	6.0567065
TAF12	8.548173	8.611419	8.225453	8.181151	8.694762	8.174858	8.55145	8.755338	7.951099	8.515488	9.301234	8.703197
TAF1D	7.310424	6.459574	7.17457	6.309852	8.353514	6.757507	8.33382	8.306429	7.370655	9.184865	7.364396	9.188314
TAF3	5.714211	5.955367	5.8696555	5.825042	6.2718545	6.3884325	6.7310115	6.3522075	6.3299565	6.741621	6.747847	6.931223
TAF4B	5.2229775	5.6823315	5.108409	4.8194255	6.118327	7.439706	6.360586	6.1122725	5.8331605	5.706176	6.4917695	5.968665
TAF8	4.922243	5.153428	5.140003	4.788154	5.253563	5.608552	5.232381	5.54269	5.43434	4.678905	4.880687	5.006269
TANC2	6.717673	6.878499	6.283897	5.528877	4.379683	5.311479	3.879755	3.643222	5.112321	4.420164	5.497663	4.5405
TAPT1	4.4832215	4.481862	4.533273	4.285243	4.158733	4.3571805	4.1576385	4.3389395	4.643926	4.3256395	4.5400975	4.1316765
TARS2	7.16779	7.110668	7.175426	6.727314	7.778076	8.152706	7.986258	7.734324	7.261647	7.312471	8.102852	7.346485
TARSL2	6.279358	6.4045	6.3469005	6.6560705	5.7924255	7.0372065	6.429741	5.731132	6.0382525	6.2397465	6.795149	6.397746
TAS2R19	2.712897	2.690232	2.572878	2.906432	2.734387	2.751424	2.734422	2.797569	2.999747	2.818582	2.690156	2.793773
TAS2R41	4.109668	3.722127	4.211195	4.362818	4.26043	4.250163	4.330447	4.51534	4.430336	4.236711	4.309645	3.893716
TBC1D12	5.799159	5.7723035	5.723286	5.7617825	5.6914445	6.1123345	5.4484455	5.919093	6.0206065	5.5961025	5.8742165	5.431368
TBC1D25	6.7948865	7.0193735	6.7200355	6.8667185	6.742001	6.5847405	6.623352	6.7570685	6.308493	6.1912665	6.2652215	6.1907885
TBC1D26	4.800463	5.039625	5.225296	4.707933	4.223497	4.451293	4.628672	4.478767	4.415775	4.629506	4.493256	4.620265
TBC1D28	3.529823	3.061305	3.372054	3.586731	3.321722	3.234293	3.424291	3.218288	3.329997	3.650615	3.447566	3.316451
TBC1D8	5.635618	5.1647015	5.929703	5.4932155	5.7202465	5.6554045	5.3735935	5.732654	6.2936605	5.946186	5.8072075	5.8480605
TBCB	10.47799	10.45762	10.18961	10.63391	10.40431	10.2588	10.51047	10.45771	10.55698	10.99998	10.87174	10.89562
TBCEL	6.027087	5.725658	6.336301	6.072772	6.523859	6.969107	6.324928	6.69314	6.365992	5.938364	6.406432	5.798742
TC2N	2.538849	2.361003	2.320529	2.337793	2.246358	2.439699	2.381038	2.322731	2.211759	2.488316	2.375981	2.267697
TCEANC	3.59181	3.064448	3.311856	3.274133	3.330036	3.120524	3.043203	3.260411	3.216823	3.396449	3.22181	3.311856
TCF25	9.583603	9.045734	8.855408	8.856641	9.727497	8.937265	9.726395	9.569291	9.298295	10.08564	9.446847	10.20339
TCHH	3.203258	3.533439	2.893444	3.437949	4.713264	4.325552	3.537085	4.617135	3.498664	3.437778	5.008043	3.633768
TCTE1	4.242821	4.813744	4.301732	4.229575	4.603634	4.37332	4.433434	4.565559	4.335188	4.230201	4.402528	4.216878
TCTE3	3.8642885	3.6213795	3.998799	3.837117	3.51432	3.3158145	3.4942085	3.443362	3.5311735	3.237896	3.562538	3.134169

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
TCTEX1D2	8.220596	8.026234	7.954939	8.33879	7.736722	5.790045	6.966686	7.640535	7.45653	7.303415	7.964625	6.890124
TCTN1	6.341867	6.336104	6.571022	6.1829705	6.3097315	6.083723	5.370466	6.343557	6.1502925	6.3987105	6.5700265	6.260429
TCTN2	6.252332	6.5104305	6.3570605	6.3985095	6.4186005	6.401901	6.235921	6.630435	6.586685	5.8054425	6.323592	5.721748
TCTN3	8.817312	8.655592	8.6902035	8.8939835	9.004973	9.020665	9.014273	9.00503	8.966084	8.7463905	9.494587	8.493465
TDG	8.371724	7.811106	8.254241	8.646558	9.760271	9.877014	10.43827	9.770054	8.8568	9.515377	8.78517	9.546839
TDRD12	4.079689	4.066102	4.058417	4.606145	4.513454	4.131429	4.185373	4.34193	4.38981	4.188777	4.515268	3.986859
TDRG1	5.149751	5.05715	5.269522	5.482609	5.465064	5.090834	5.546582	5.784147	4.955233	4.680074	5.418097	5.235549
TECPR1	6.316257	6.410926	6.494088	6.707473	6.642908	6.424362	6.573456	6.616438	6.815213	6.820438	6.818517	6.853017
TECPR2	6.664219	6.370387	6.9784	6.888664	6.4235925	6.4529305	6.131094	6.407097	7.0296705	6.704048	7.169734	6.9949025
TECR	5.747661	5.9295505	5.648199	6.038185	6.0732105	5.6062885	6.1964895	5.9295455	5.936582	6.11358	5.992404	6.5364965
TEKT5	4.1504005	4.75896	4.5289125	4.391272	4.217059	4.293545	3.8493535	3.9489525	4.302628	3.674618	4.4244405	3.9481925
TELO2	6.8544865	6.900253	6.5602535	6.7659645	6.9207875	6.555992	7.173179	6.791033	6.339037	6.7534025	6.680578	6.7525215
TET1	5.720168	5.698606	6.127561	6.039773	6.623751	4.824574	6.732999	6.318916	6.121938	6.761092	4.655904	5.732287
TET2	4.407538	4.339751	3.733462	3.959639	4.850154	4.266624	5.920382	4.877863	4.740252	5.7958	4.162495	5.78461
TET3	5.017314	5.207791	5.315836	5.032408	5.634921	5.520562	5.847476	5.453064	5.110771	5.446935	5.458321	5.398368
TEX28	4.496556	4.622222	4.36639	4.655734	4.46185	4.944352	4.52324	4.771748	4.555048	4.58593	4.912313	4.764668
TGIF2LY	3.779807	3.944113	4.008194	4.303421	3.901324	3.864053	4.37153	4.135425	3.936974	3.485657	4.272578	3.515767
TGS1	6.352381	6.0619555	6.0609155	5.9319725	7.8991995	7.178103	8.1606905	7.8301515	6.8731155	7.217479	7.130647	7.3350815
THNSL2	5.6905935	5.7637985	4.7682615	5.4555605	6.2505525	5.973293	5.1551715	6.24838	5.325617	4.737	6.018527	6.1749475
THOC6	5.48093	6.43725	6.267534	6.439811	6.943378	6.046218	7.442585	6.864483	6.783254	6.896715	6.581172	6.992063
THOC7	9.960768	9.697066	9.774199	10.48448	10.50935	10.37594	10.71618	10.55987	9.506248	10.06642	10.00924	10.25177
THSD7A	2.9894915	2.7808895	3.0081515	2.912688	4.4382905	2.682092	2.8654585	4.2315765	3.350947	6.0045155	2.7648095	4.068806
TIFAB	5.058861	4.939724	4.862604	5.052742	4.964933	5.224165	5.151524	5.016757	5.080313	4.890798	5.18547	5.141964
TIGIT	3.623534	3.488837	3.337672	3.620846	3.566224	3.585513	3.589659	3.730226	3.528407	3.434281	3.61383	3.561945
TIPIN	7.413407	7.200741	7.0643	7.615564	7.64136	7.176033	8.605228	7.460795	7.588524	7.33426	7.376033	7.395398
TM9SF3	9.223104	8.640785	8.922657	8.952248	8.972319	8.845197	9.079281	8.916786	8.304644	9.383251	8.660517	9.754093
TMBIM6	11.322735	11.27804	11.156275	11.18271	11.2963	11.649525	10.97505	11.326825	11.466035	11.017215	11.715285	10.88791
TMC1	3.397429	3.054534	2.940279	3.47637	3.519508	3.100992	3.19436	3.433806	3.293807	3.261693	3.395784	3.124013
TMCO5A	2.618444	2.680269	2.698314	2.639009	2.828839	2.662851	2.747705	2.836458	2.782803	2.504555	2.777777	2.592311
TMEM106A	4.3493255	4.454953	4.2203975	4.5033235	4.1553765	4.0343785	4.073083	4.0485955	4.19856	3.9048535	4.1617355	4.074034

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
TMEM120A	8.172436	8.287897	8.37145	8.59251	8.221251	8.733698	8.460901	8.230826	7.586346	8.166097	8.102634	8.376437
TMEM120B	6.185957	6.564782	6.269018	6.248953	6.1248045	5.9876765	6.234689	6.0419085	6.7247925	6.4392625	6.0935805	6.4549555
TMEM131	7.005707	7.4178425	6.99575	6.9142015	6.8260465	7.833688	6.984296	7.1443685	6.8346205	6.583627	7.3835955	6.4029785
TMEM132B	6.147705	5.332494	3.511358	5.515656	3.78553	3.225861	4.270043	3.733152	4.000485	6.313633	3.441606	5.90889
TMEM132C	4.319828	4.804548	5.046119	4.251778	4.477296	4.644053	7.62537	4.559776	4.363888	8.89377	4.620264	9.825151
TMEM132D	5.052891	4.027055	4.49036	4.354753	6.324533	6.74995	6.376093	6.065063	4.958067	4.739301	8.218988	6.98842
TMEM132E	3.812316	4.07423	3.773843	4.114353	3.565093	3.313343	3.584324	3.569316	3.48462	3.134155	3.515967	3.484952
TMEM135	5.070896	4.934477	5.5442585	5.297128	5.576429	5.8326755	5.816371	5.5346045	5.54724	4.81276	5.149211	4.907703
TMEM138	8.630125	8.281418	8.532828	8.825676	9.085171	9.599978	9.395312	9.157131	9.919787	8.395229	9.622264	8.444558
TMEM139	3.7071595	4.0941455	3.907282	4.1528945	4.2511035	3.975004	4.082204	4.0553885	3.946361	3.592557	4.1209205	3.910053
TMEM140	5.691494	5.398028	5.424389	5.66605	5.948615	5.046258	5.266104	5.895328	7.633682	5.53817	8.686999	5.998731
TMEM141	7.440977	7.384422	7.676543	7.635325	7.806143	7.238488	8.069312	7.969625	7.497058	7.710251	7.631499	7.74033
TMEM143	6.613833	6.9138495	6.6533735	6.598582	6.5715015	6.81525	6.7582955	6.669006	6.466993	6.4142815	6.826239	6.3990335
TMEM144	3.444491	3.374559	3.118145	3.5346655	3.895379	3.695815	3.750384	3.6556055	4.6888535	3.4211275	3.39513	3.254016
TMEM145	4.693912	5.494734	4.883541	4.938188	4.362454	4.517299	4.518548	4.447494	4.678516	4.542033	4.377783	4.019732
TMEM147	10.45598	10.34265	10.30625	10.17354	10.75546	10.71203	10.83037	10.69272	10.92293	10.61657	10.83313	10.57427
TMEM150A	5.953468	5.99442	6.249644	6.320371	6.309474	5.781994	5.706714	6.232188	6.743466	6.016012	6.299687	6.684457
TMEM150B	4.595344	4.642831	4.782242	4.716114	4.544776	4.509447	4.48283	4.545714	4.628051	4.532433	4.76942	4.308089
TMEM150C	3.708298	3.3105695	3.685152	3.391391	2.9746235	2.9953565	3.208648	3.017809	4.1954545	3.429278	3.1401595	3.439366
TMEM151A	5.135967	5.147778	5.233551	5.098155	5.445202	5.424635	5.575518	5.518113	5.211671	4.695421	5.409245	5.299856
TMEM151B	4.525314	4.745913	5.003875	4.634066	4.088025	4.241292	4.219603	4.247076	4.283146	3.707808	4.340651	4.058712
TMEM155	4.542983	3.716977	6.402298	6.747024	3.719552	3.303433	3.70984	3.559935	3.884135	4.630046	3.524307	3.991497
TMEM158	11.23997	10.76331	10.53981	10.24529	8.142262	9.031358	7.058526	7.839808	8.845459	8.70023	8.194562	8.693357
TMEM160	6.609645	6.472983	5.969623	7.312038	9.383202	9.196959	9.674634	9.487941	8.16565	8.472974	9.098779	8.687826
TMEM161A	7.751396	8.0354675	7.916801	7.8314755	8.2815945	8.7738605	8.6967065	8.3201	8.3439585	8.9555465	9.083269	9.0943435
TMEM161B	5.6959805	5.507845	5.6848775	5.3012195	5.460852	5.917385	6.135065	5.447996	6.031099	6.1138185	5.740005	6.2595245
TMEM163	3.775069	3.6748885	3.4896295	3.650062	3.6268865	3.6368355	3.810096	3.5266055	3.671876	7.3277515	3.791333	6.898386
TMEM165	5.457227	5.5137805	5.3627375	5.058935	5.4662285	5.683449	5.415963	5.6776805	5.7565055	5.0808395	5.8190375	4.9326515
TMEM167A	10.260144	9.940076	10.179315	10.524782	10.812475	10.919705	10.838185	10.88412	10.663115	10.24269	10.093533	10.178305
TMEM167B	9.511242	9.566063	9.753375	9.784859	8.658316	8.650752	8.290786	8.799799	9.386258	8.813062	9.165115	8.327124

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TMEM168	7.370226	7.2744575	7.7118905	7.0922185	7.852631	8.1120615	7.986538	7.9006955	7.659678	7.8338205	7.27056	7.6113895
TMEM169	4.610342	4.959351	4.526609	5.174839	4.971659	4.639568	4.898208	4.932226	4.685584	5.062178	5.159273	5.309014
TMEM170A	6.140598	6.078275	6.022365	5.882106	6.707202	7.25702	7.392823	6.563151	6.301531	5.636549	6.747311	5.53401
TMEM170B	2.802623	2.607008	3.514392	3.118282	3.089708	5.422675	3.330728	3.040497	4.6408	5.331142	3.513826	5.110913
TMEM171	5.548722	5.9310835	5.6682115	5.869261	4.784637	7.2088685	6.1349595	5.1971395	7.266623	5.5964835	7.211482	7.15929
TMEM174	5.717737	6.056265	5.8837	6.034888	6.120861	5.91274	5.999834	6.246453	5.763699	5.968064	6.02114	5.908438
TMEM175	6.497135	6.506445	6.437784	6.671973	6.429093	6.487765	6.165596	6.633251	6.562994	6.216084	6.436072	6.6216
TMEM176A	5.686625	5.951725	5.561471	5.862813	5.837466	6.058005	5.651073	5.876226	5.583497	5.814405	5.955013	6.061397
TMEM177	5.9986865	5.931098	5.697919	5.9407375	6.433072	6.965937	6.4358885	6.291875	6.1245465	6.187158	6.588919	6.4760195
TMEM179	4.661054	5.241246	4.613473	4.806159	4.994269	4.618659	5.031281	4.969649	4.870794	4.757557	4.907203	4.387494
TMEM179B	9.183458	8.910744	8.816933	9.147459	9.801937	9.563327	9.683808	9.809089	9.433412	9.44124	9.447285	9.752307
TMEM181	9.355351	8.855003	9.562855	8.911996	9.476637	9.478665	9.231153	9.289251	9.155741	9.347393	9.769679	9.282489
TMEM182	3.672234	3.3445885	3.531763	3.561252	4.1579335	4.5949065	3.485914	4.1053665	5.5819715	4.087439	5.3510335	3.944478
TMEM184A	4.6665645	5.266869	4.823619	4.807905	4.763285	4.62601	4.725121	4.845922	4.6348125	4.5178225	4.92433	4.6608055
TMEM184B	8.816553	8.578963	8.850065	8.921917	8.198952	8.924555	8.343429	8.142308	9.076592	8.137064	8.55769	8.015144
TMEM184C	8.861572	8.753786	9.177391	8.892408	9.624466	10.10452	9.534772	9.665147	9.689824	9.40696	9.44238	9.599569
TMEM187	6.49146	6.800309	7.077336	7.082639	6.521404	6.697662	5.678463	6.50088	6.577914	5.691179	6.475383	5.255434
TMEM189	4.86739	5.077832	5.090949	5.337365	4.990154	5.158755	5.043922	4.878734	5.035289	4.694901	4.994792	4.578043
TMEM190	5.477676	5.90431	5.592506	5.5647	5.525357	5.309758	5.231975	5.32801	5.445908	5.167075	5.593791	4.816988
TMEM191A	5.198155	5.475851	5.485158	5.408315	5.028228	5.0199	5.251349	4.961244	5.220979	4.828279	5.056155	4.455338
TMEM192	6.762603	5.858487	6.311056	6.47857	6.990575	8.135742	7.220043	7.102398	7.626637	7.207013	7.393377	6.824981
TMEM196	3.6860625	3.7153	4.124218	3.859786	3.771065	3.8252645	3.980911	3.81283	3.6862895	3.8667385	3.7718785	3.7385125
TMEM198	6.001743	5.7858005	5.7550875	5.907576	5.764336	5.5648215	6.1469485	5.928468	5.9304685	5.6998145	5.734839	5.835621
TMEM200A	10.93849	10.55892	11.46238	10.66732	4.256171	3.749757	6.270769	3.894949	9.65766	9.514644	2.369195	8.765107
TMEM200B	7.703704	8.406896	8.408424	8.159451	3.832308	4.906313	5.41119	3.614792	7.083921	4.624829	5.129307	4.850764
TMEM200C	3.5143655	3.4405675	3.6336515	3.433395	5.68906	5.6218085	5.5598775	5.6593865	3.702026	5.5323585	6.475888	5.6869255
TMEM201	6.3415535	6.6131415	6.847643	6.579922	6.3378065	7.8883995	7.0356135	6.238724	6.612885	6.792892	7.6313145	6.928715
TMEM203	9.646064	9.47151	9.581873	9.616247	9.097127	9.268384	9.331886	8.966729	9.510149	8.775471	9.588318	8.600586
TMEM204	6.364861	6.590377	6.287103	5.959967	6.142953	5.078235	4.829057	6.057781	5.67837	5.269704	5.645704	5.045243
TMEM205	8.783072	8.644302	8.381774	8.437168	8.908753	9.691769	9.491863	8.968457	9.500017	9.4806	10.50887	9.536807

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
TMEM207	4.288485	4.497142	3.900519	4.216723	4.098406	4.248273	4.13199	4.13703	4.030051	3.806639	3.855072	3.978018
TMEM208	9.152918	9.177262	8.822302	9.104615	9.747671	9.593235	9.534932	9.791651	9.30934	8.907778	9.762045	9.074488
TMEM209	5.3690635	5.47348	5.996291	6.083937	6.496182	6.9633865	6.4666065	6.3496	7.2926745	6.6613785	7.0931725	6.568637
TMEM213	3.6053125	3.7647015	3.914715	3.704638	3.5334155	3.714666	3.6398025	3.6218255	3.551041	3.367949	3.602355	3.497447
TMEM214	9.297014	10.43828	9.213876	9.529842	7.151811	7.669187	7.45121	7.102726	7.2378	6.975091	6.911889	7.320744
TMEM216	8.192892	8.056526	8.290018	7.755129	7.806628	7.428709	7.552692	7.723529	7.717642	8.150898	8.129619	7.989512
TMEM217	4.119503	4.592452	4.617728	4.360639	4.1712	4.504746	4.0053	4.286996	4.665763	3.820056	4.779796	3.476192
TMEM218	3.703201	3.507499	3.786153	3.478903	3.849676	3.637255	4.123661	3.867213	4.190291	4.764668	3.565093	4.379738
TMEM219	7.1074415	7.151949	7.3775055	7.353766	6.856453	6.219351	5.971245	6.9706895	7.5107555	6.842453	6.8725785	6.7345385
TMEM220	6.341331	6.969625	6.315927	6.955026	8.872539	7.067022	7.129964	8.898643	6.895825	6.558912	7.918926	6.8633
TMEM222	8.4223065	8.565258	8.587782	8.6568015	8.665591	8.641381	8.5034115	8.532016	8.713849	8.2965405	8.6201105	8.2700175
TMEM225	4.072956	4.23188	4.307354	4.420076	4.348435	4.508938	4.364571	4.338295	4.515052	4.325035	4.420076	4.062253
TMEM229B	4.943041	5.017547	4.844742	5.040454	4.739484	4.777059	4.919152	4.748401	4.622688	4.259203	4.718278	4.14746
TMEM231	7.1172105	7.1974475	7.471394	7.134045	7.4545795	8.0082975	6.805577	7.5476665	7.3035495	7.157671	8.3240655	7.039536
TMEM232	3.117064	3.448011	3.353766	3.447014	3.447014	3.952425	3.885906	3.655048	3.565342	3.04879	3.219073	3.040883
TMEM33	7.839608	7.267926	7.717638	7.977065	8.253582	9.754446	8.868598	8.127528	8.745954	7.630112	8.97226	8.042442
TMEM59L	5.696397	6.003821	5.64871	6.105871	5.645308	5.768459	5.658349	6.05388	5.505842	5.243749	5.626967	5.440347
TMEM72	4.0392535	3.9522615	4.0625135	3.976728	4.1122185	3.925824	4.008734	3.949211	3.8823495	3.690409	4.1262645	3.861066
TMEM8B	4.891633	5.124892	4.948378	5.022363	5.008443	4.279168	4.749678	4.638619	4.747446	5.441021	4.970764	5.359725
TMPRSS11E	3.579213	3.930758	3.802119	3.665678	3.614649	3.653773	3.676057	3.659019	3.694029	3.598225	3.361723	3.50718
TMTC1	5.6348265	3.919029	4.625783	6.312721	4.7915055	5.938355	7.7739695	4.5712035	7.5796745	7.052085	6.940588	7.2418895
TMUB1	6.774564	7.120167	6.485058	6.569622	7.012077	6.447134	7.193313	6.957679	6.87132	7.187664	6.523818	6.990575
TMX1	9.91992	9.842295	9.8038745	9.9851125	10.806655	10.99136	11.393405	10.74221	10.413988	9.6434705	9.9906105	9.37515
TMX3	6.2487895	5.905049	6.0556525	6.4482635	6.211824	6.221035	6.26316	6.360407	6.4161835	6.64089	5.8475395	6.486499
TMX4	7.976997	7.738654	8.085774	8.018709	7.74315	7.707754	7.974488	7.759749	7.393782	6.909453	7.717651	6.369943
TNRC18	4.8317285	5.185185	4.936913	4.900693	4.894147	4.883743	4.7524435	4.9133775	4.701704	4.5538735	4.9133805	4.711329
TOMM5	10.865275	10.721455	10.35857	10.844985	11.23137	11.9556	11.593055	11.154745	10.77652	10.98732	11.81337	11.163335
TOX2	6.458271	6.922518	4.046175	7.405347	7.232392	7.328651	8.152908	7.064163	6.621662	6.123431	7.810553	8.263062
TOX3	2.3659335	2.256873	2.5124105	2.5218785	2.3748655	2.488436	4.690544	2.3852005	2.353499	5.8291395	2.362811	5.1012885
TOX4	6.98109	7.311469	7.38268	7.244093	7.538373	7.499844	7.310708	7.592018	7.731521	7.178248	7.727418	7.013726

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
TP53AIP1	4.3459305	4.6933535	4.4248945	4.4056315	4.3462115	4.169619	4.344765	4.410479	4.18259	4.304662	4.160657	4.133686
TP53TG1	6.193145	6.460747	6.357549	6.630599	8.236412	8.162736	6.834718	8.32406	7.146822	6.571384	7.338364	6.185697
TP53TG5	5.06552	5.327033	4.742194	4.537365	4.778132	4.823514	4.484635	4.384557	4.310786	4.537817	4.682956	4.806168
TP63	3.98207	4.032111	3.72499	3.938645	3.945487	4.17962	3.795076	3.788704	3.886312	3.814906	4.109502	3.650389
TPBG	8.840705	8.282625	9.0840345	8.676993	7.967833	7.111259	7.397491	7.9320945	9.623342	8.909293	6.395582	9.272424
TPPP2	3.944572	3.978291	3.8475275	3.908587	4.047732	3.9341665	4.1910565	4.070118	4.048278	3.75537	4.133553	3.767136
TPPP3	5.579787	5.9176	5.54382	5.466231	5.559889	6.023901	5.600437	5.529586	4.986436	4.377004	5.487729	5.177399
TPRG1L	9.013368	8.527441	9.080595	9.318513	9.27961	10.15558	8.630336	9.389032	9.551542	8.009736	10.43789	8.472154
TPSB2	4.227616	4.346265	4.024156	4.420643	4.571031	4.870925	4.377004	4.616587	4.47435	4.374413	4.982974	4.198438
TRABD	6.773303	6.311367	6.373434	6.264811	6.513061	7.15536	7.074139	6.366905	6.265163	6.752866	6.521539	7.031204
TRAPPC10	5.669848	5.138092	6.028645	6.1983055	6.4021305	6.71465	6.719183	6.376191	5.838402	6.805878	6.668264	6.672617
TRAPPC2L	5.903706	6.04871	5.811966	6.090419	6.419873	6.818047	6.935401	6.378761	6.581881	6.747956	6.613925	6.415567
TRAPPC9	5.528878	6.069293	5.857868	5.873604	5.502618	4.940834	5.526278	5.445064	5.428684	5.699045	5.61906	5.721107
TRIL	4.177922	4.1080815	4.466967	4.370479	6.0402985	4.909843	5.3188105	5.7040315	4.417423	5.499979	4.30815	6.225972
TRIM27	8.016079	8.097456	8.426535	8.016178	8.706532	9.133037	8.847318	8.660261	8.80413	8.716166	9.217395	8.665442
TRIM50	3.733816	3.608218	3.423746	4.063484	3.795131	3.419354	3.614649	3.794241	3.692111	3.628128	4.089512	3.614191
TRIM61	4.9761005	5.04472	5.657634	5.272657	4.533061	4.745437	4.91442	4.5465585	7.033292	4.5149475	5.49567	4.547071
TRIM65	5.843191	6.135104	5.89446	5.963865	6.332631	6.410989	6.2631875	6.421775	5.9508	5.8381255	6.3631935	5.940744
TRIM66	5.657718	4.533283	5.207444	4.918551	4.843934	4.920896	4.82305	5.279818	5.092757	5.190357	5.066598	5.480096
TRIM72	3.957751	4.146353	4.074389	4.30664	4.008505	4.112695	4.111949	4.241721	3.912377	4.289474	4.069656	4.308167
TRIM73	4.648963	4.359474	5.360701	4.37665	4.952529	4.34248	4.545105	4.939392	6.32036	6.639701	6.558444	6.37876
TRIML1	3.880175	4.255531	4.199422	4.217998	3.874291	3.594315	3.873953	3.734312	4.147454	3.42806	4.005515	3.514851
TRIML2	4.455338	4.701334	4.628216	4.618222	4.636791	4.944715	4.557039	4.719261	4.222754	3.996701	4.117711	4.27556
TRMT11	8.127922	8.062744	7.922693	8.085632	9.083043	9.201468	9.432613	8.963807	9.341211	9.135956	8.200608	9.401433
TRMT112	10.91767	11.22646	11.02641	11.37219	11.59053	11.3026	11.75931	11.55238	11.54621	11.52929	11.64138	11.64115
TRMT2A	6.79974	7.249719	6.963351	7.006974	7.302465	7.539505	7.508314	7.269838	7.030933	7.127603	7.380332	7.130378
TRMT2B	6.204711	5.9687975	5.970385	6.0971245	5.4862005	5.947507	5.382926	5.3993575	5.881599	5.2007385	5.890811	5.333562
TRMT6	7.2426695	7.456035	7.6239955	7.4606255	8.3623715	9.052409	8.6893975	8.2695265	7.4881905	7.687256	8.384492	7.726293
TRMT61A	6.853963	6.996592	6.824859	6.631042	7.103521	7.342133	7.361211	7.14806	7.118412	7.027586	7.556413	7.019659
TRNAU1AP	6.419393	6.048386	6.040219	5.919552	5.2757865	5.2983755	5.7569135	5.7653335	5.3614705	5.4255935	5.5845515	5.107822

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
TRNP1	7.8469325	7.998448	7.481677	8.112031	6.0612355	6.5495705	6.0432405	5.9245125	5.4837625	6.039991	6.2879815	6.5378815
TSEN15	8.627061	8.592124	8.572914	8.379457	8.884223	8.233124	8.94746	8.776705	8.85062	8.087396	8.527802	7.67947
TSHZ1	7.7626475	7.6133425	7.5446405	7.835981	7.6050805	6.6875405	7.6965735	7.437725	6.4883155	8.223038	8.8470775	8.8532355
TSHZ2	5.040432	4.908885	5.5160405	5.3598805	5.106739	4.240027	5.382934	4.944089	4.03162	7.0665595	4.472719	6.503017
TSHZ3	9.4371025	9.791456	9.6833985	8.768013	7.755284	5.5921865	6.4165755	7.5533875	7.2838345	7.758723	6.857442	6.9674085
TSIX	3.951502	4.339564	4.503972	4.033083	4.150121	4.488662	4.162967	4.227915	4.182819	4.150121	4.063151	4.162019
TSKU	8.169882	8.919537	8.667629	8.440564	8.862573	8.622056	8.537992	8.61004	7.879954	9.15176	8.502012	9.464226
TSR2	8.149452	7.737304	7.816628	8.056343	7.697564	7.578363	7.680423	7.631321	7.281552	7.647518	7.947134	7.387945
TSSK1B	3.488385	3.847641	3.59132	3.357446	3.298734	3.304985	3.088649	3.420985	3.723023	3.606772	3.703887	3.12765
TSSK6	5.063069	5.170831	5.237998	5.045912	5.266285	5.206818	4.85032	5.107669	5.49405	4.907859	4.962691	4.76455
TSTD1	3.703897	3.997149	4.160543	4.231016	3.852755	5.467633	3.732689	3.634963	3.483305	3.65826	3.779622	3.493454
TSTD2	3.017867	3.423707	3.17786	3.143173	3.371428	3.508044	3.244195	3.252113	3.442506	3.405967	3.661157	3.350034
TTC23L	4.1506305	4.1853305	4.116017	4.457146	4.351893	4.158695	4.327504	4.3269495	4.34033	4.088685	4.310821	4.0156245
TTC26	6.29765	5.5798115	6.111973	5.848723	5.817352	5.671189	5.896906	5.5350605	6.2977655	5.40147	6.1517445	5.368949
TTC27	6.387531	6.0254715	6.3065165	6.320235	6.157428	6.505858	6.752183	6.3349325	6.267072	6.004317	6.236775	6.3618275
TTC28	8.232405	7.81851	8.574762	7.712643	8.978549	8.128471	9.496673	9.203756	8.532694	9.030233	8.468435	8.846403
TTC29	2.756145	2.991149	2.775654	2.861187	3.0163	3.091397	2.867805	3.052371	3.16485	2.856942	3.154287	3.583549
TTC30A	6.716291	6.006418	7.125841	7.002097	5.89236	5.021831	5.268519	6.070706	6.506078	5.843396	5.668016	5.502489
TTC30B	4.8828215	4.7168385	5.1136195	5.7658785	5.5125245	4.0023095	4.618521	5.795978	5.1349975	4.5818665	5.00648	4.753323
TTC31	7.989181	8.290806	8.267239	7.737938	7.40524	6.194114	7.396654	7.351396	7.472582	7.472737	7.380976	7.593505
TTC33	5.4311815	5.5134215	5.37733	5.705815	5.595025	5.828474	5.821945	5.7601635	5.974593	5.625086	5.334219	5.222671
TTC36	5.245063	5.746933	5.428767	5.281875	5.143114	5.159939	5.13088	5.248363	5.30447	4.91717	5.722742	5.08036
TTC37	8.4787255	8.2716795	8.2217545	7.544115	7.710912	7.9280095	8.0624985	7.6056515	7.197134	7.6957465	5.7184355	7.721521
TTC38	6.276795	6.154344	6.103567	6.033494	5.880303	5.976562	5.798341	5.966677	5.715947	5.902194	6.293628	5.645171
TTC39A	4.309645	4.812086	4.367636	3.962392	4.355501	4.110448	4.167689	4.165734	4.107237	3.818826	5.021971	4.45221
TTC39B	5.207071	4.991916	5.565712	4.847933	4.826198	5.620561	5.269295	4.847978	6.253678	5.40801	5.847189	5.585013
TTC39C	6.514754	6.442019	6.854467	6.448493	7.453794	7.550742	7.831816	7.606343	5.674802	6.840296	6.94111	6.836839
TTC9	4.412952	4.3547835	4.1581755	4.2693735	4.567992	5.506216	5.396533	4.8269425	4.473468	5.4239635	6.7933665	5.7328065
TTLL11	5.2138605	4.8722415	5.1906475	5.1680945	5.2071095	6.4192465	6.264487	5.24237	5.009242	4.3568595	5.671859	4.659927
TTPAL	8.0390465	7.371606	7.9095275	7.99764	7.749408	8.0693815	7.6329575	7.8355115	7.593565	7.1834825	7.8501725	6.950604

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
TTTY15	6.543972	3.261012	3.845335	6.396602	6.610236	4.101923	6.865554	6.693588	7.353994	7.580094	6.385139	3.519986
TUBA1B	13.549145	13.485425	13.439065	13.6187	13.375495	12.97685	13.49676	13.35069	13.17273	13.088745	12.78734	12.68477
TUBA1C	13.357665	13.299525	13.2026	13.42046	13.31664	12.98538	13.3748	13.303065	13.02974	12.89999	12.69706	12.509815
TUBA4A	8.658862	8.274076	8.327246	9.0455	9.793347	10.37125	8.636322	10.0041	8.079165	7.83287	8.367737	7.348812
TUBB1	4.3207895	4.4060405	4.223192	4.3863415	6.1174385	5.046164	4.3946295	6.1991675	4.2592125	4.041478	4.407403	4.1713895
TUBGCP4	7.261014	7.305317	7.462615	7.011056	7.130192	7.198667	7.0634715	7.03268	7.3293445	7.2927275	6.862319	7.1898065
TUG1	9.6292625	9.4042805	9.984901	9.3577525	9.3119345	9.089549	9.0907215	9.2352755	9.2038675	9.889591	8.9620285	9.654654
TUT1	5.869497	6.304175	5.638904	6.083891	5.388342	5.858008	5.323564	5.625211	5.312709	5.698153	5.866625	5.855224
TWF1	5.613086	4.67579	4.508043	5.782468	6.811118	7.213368	7.029263	7.321356	6.76579	4.774701	5.945343	4.626831
TWF2	8.310949	8.216085	8.249701	8.062045	7.655687	8.010115	7.493449	7.614019	7.97217	7.486799	8.891769	7.498537
TWIST2	10.451078	9.3421	9.910477	9.4245005	7.59793	7.368041	7.232811	7.3100485	6.084819	6.570486	8.588523	6.856395
TXNDC15	9.941377	9.9012575	9.643006	9.5419245	8.6024035	8.7245575	9.126921	8.529552	8.7858795	9.082573	8.9321075	9.1068145
TXNDC16	5.72524	5.820576	5.876812	5.878145	7.85382	5.636034	7.947749	7.471073	7.442117	8.146173	5.754574	7.753318
TXNDC17	9.1936665	9.38373	8.2135985	9.7301185	9.4891995	10.08076	9.282507	9.536508	9.021367	8.7156365	9.24703	8.8342555
TXNDC2	4.394261	4.775675	4.608781	5.158382	4.549768	4.3271725	4.480971	4.497049	4.322869	4.269047	4.704426	4.464613
TYMP	5.2790065	5.3354415	5.301525	5.027441	5.0302415	4.934881	4.862531	5.0341355	5.9999595	4.979009	6.353023	4.79288
TYW1	7.619652	7.440447	7.659522	7.334692	8.005819	8.572337	8.081986	7.97975	8.676956	7.960056	8.546017	7.883407
TYW3	8.820927	8.693593	8.177513	8.860358	9.679729	9.658237	10.0252	9.732793	8.517527	8.649655	8.776577	8.634874
UBA1	7.678141	7.8812535	7.5719875	7.927838	7.453599	7.8888015	7.6248005	7.175332	6.3929755	7.540704	6.81361	7.973613
UBA3	9.620049	9.176755	9.392643	9.683578	10.31065	9.862248	10.29309	10.30407	10.14792	9.676678	9.615142	9.868828
UBA5	8.081159	8.001408	8.526802	8.589442	8.406821	8.834002	8.838078	8.33776	8.161131	8.247458	8.224217	8.198977
UBA6	8.11214	8.6864	8.629355	8.665663	7.646152	8.65146	8.515899	7.475732	8.713655	7.645052	7.19126	7.235968
UBAC1	7.646258	7.88452	8.220499	8.196215	8.47414	8.101281	8.675957	8.392038	8.313692	8.245588	8.84288	8.101281
UBAC2	7.947553	7.949316	7.727537	8.232843	8.291059	9.217713	8.232816	8.299128	8.795805	7.804062	8.697547	7.983814
UBASH3B	7.16825	6.199512	6.299818	6.652232	3.993551	4.634059	3.793339	4.156125	5.896383	4.187777	5.078062	3.984979
UBE2DNL	3.523825	4.269555	3.969026	3.639393	3.614649	3.779431	3.922956	3.628207	3.520297	3.372054	3.598995	3.089211
UBE2K	9.485959	9.250166	9.273543	9.44842	8.997987	9.962904	9.170818	8.901995	9.475131	8.860634	9.098181	8.719624
UBFD1	8.8620055	8.3356655	8.460394	8.8229265	9.2565595	9.4342355	8.957338	9.1983375	8.524176	8.548857	9.0847905	8.650384
UBN2	4.844262	4.620523	3.888501	4.346773	4.611757	4.794725	5.100796	4.622712	3.9538	5.541637	4.592193	5.424795
UBQLNL	4.385497	4.397675	4.384406	4.830521	4.252138	4.200581	4.229337	4.133348	4.149833	4.114043	4.441904	4.350863

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
UBR3	6.434023	6.4082615	6.5631055	6.8854325	6.572519	7.3401015	6.850258	6.3983805	6.2556225	6.0412265	6.114974	6.3125095
UBR4	3.516995	3.543967	3.606763	3.537385	3.701237	3.532089	3.565093	3.873328	3.494717	3.540771	3.605034	3.656168
UBR5	9.140604	8.2488	8.759144	8.516352	8.538785	8.290061	8.422466	8.478973	8.213886	9.042525	8.224804	8.719798
UBR7	8.81985	8.500334	8.642846	8.983465	8.464135	6.975022	8.535741	8.225636	8.11442	8.314606	7.794902	8.26348
UBTD2	8.801307	8.7644445	9.442321	9.124804	9.0589215	9.0397335	9.3938605	8.990384	9.704514	9.2275315	8.3684255	9.1330415
UBXN1	6.8783115	6.943185	6.800302	6.743101	7.259545	6.986778	6.952079	7.166358	7.211912	7.2784965	7.504153	7.0782
UBXN10	4.537889	4.597224	4.714866	4.375485	4.190446	4.459144	4.242288	4.437181	4.392497	4.09036	4.381582	4.353756
UBXN11	5.816359	6.569584	6.122722	6.16514	5.828485	5.674972	5.708274	5.719222	6.106828	5.043922	5.554879	5.174465
UBXN2A	8.296494	8.085765	8.410374	8.2318945	8.0966165	7.8974315	8.436303	7.892714	7.6362825	8.6501705	8.1275745	8.9464455
UBXN2B	6.046289	5.6537565	6.384089	6.437342	6.804882	6.4809765	6.8531775	6.764198	7.31385	6.66725	6.434733	6.3362975
UBXN4	8.72584	9.1782455	9.1037075	8.2155845	9.6116365	9.3274365	9.6961035	9.5958615	8.9273365	9.0657155	8.480766	8.8455275
UBXN7	8.327308	7.835161	7.83407	7.740505	7.353263	7.4366675	7.4575305	7.316592	7.220193	7.7009035	7.1412105	8.002397
UBXN8	7.958563	7.017342	7.413421	7.562171	8.515724	9.209656	8.831096	8.479914	7.533328	7.895751	9.434813	7.920485
UCA1	4.732586	5.48459	4.670813	4.618896	4.733808	4.310755	4.878635	5.084767	4.388037	4.166652	4.469449	4.704427
UCMA	3.938646	3.781634	3.742689	4.064395	4.49304	4.292385	4.490712	4.333838	4.650539	3.402329	4.244163	3.993044
UCP1	4.232113	4.599429	4.429538	3.9695	3.873347	3.862662	3.792499	4.037113	3.605102	3.898719	4.160409	3.644612
UFSP1	5.557205	5.593835	5.725657	6.053138	5.963088	6.669839	6.439645	5.953622	5.837466	5.543691	6.336786	5.348227
UFSP2	8.283221	8.196566	8.538361	8.691189	8.590047	8.312881	8.81637	8.525846	9.23486	8.552783	8.323863	8.140612
UHRF1BP1	4.297957	4.558609	4.312296	4.124587	4.515282	5.052487	4.997553	4.548089	4.318681	3.994249	4.476055	4.79275
UHRF1BP1L	5.5912625	5.4150225	5.3390055	5.1208735	5.7325705	5.2327335	5.7364615	5.661506	4.4513385	4.5652515	4.178455	5.235696
UIMC1	7.786842	7.552115	7.852761	7.656719	7.76248	8.030661	8.238171	7.918462	7.627716	7.862381	7.757169	7.723253
ULBP2	7.182745	6.8704635	7.0570535	7.210969	6.909985	9.0624495	7.1558485	7.2084175	6.8309555	6.195482	8.3696145	6.6872645
ULK4	5.274709	4.970022	4.863803	4.588667	4.5221815	5.1120335	4.7928215	4.355452	4.813016	4.6459025	4.941318	4.771766
UNC119B	6.6177775	6.4656945	6.832223	6.814406	6.28586	6.5147345	6.1746215	6.38204	6.1912065	6.2920415	6.2761675	5.983187
UPF1	7.2956835	7.615294	7.3068475	7.3675445	7.395169	7.8526895	7.3411475	7.4029755	6.6808555	7.1245965	7.1633695	7.1119265
UQCRQ	11.46703	11.24928	10.84795	11.62684	12.11843	12.03941	12.10315	12.07087	11.69508	11.61946	11.90642	11.78301
URB1	5.036122	5.334388	5.028848	5.310026	5.248295	5.437289	5.163141	5.155431	4.886549	5.73356	5.514457	5.773874
URB2	6.115474	6.177435	6.862649	6.724048	7.785924	7.76541	8.062875	7.468994	7.812177	7.425505	7.786843	7.233327
URM1	6.7358545	6.5083095	6.4270845	6.57001	6.3697425	5.9568085	6.534435	6.236306	6.230122	6.3888165	6.5088775	6.5313535
USE1	6.9748925	6.982611	7.315943	7.3375425	7.6856625	7.239219	7.6790535	7.626385	7.4181965	7.414747	7.2242465	7.100078

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
USO1	10.3798185	10.2642425	10.271899	9.8987445	9.698812	10.203904	9.760588	9.7904505	9.4711735	8.6785715	8.1161065	8.5318705
USP18	4.704602	4.34193	4.210091	5.445908	6.715892	6.396715	7.513954	6.495013	8.764433	6.888238	9.228676	7.364862
USP22	4.284631	4.440706	3.986963	4.0020985	4.146338	4.0667925	4.094211	4.1952	4.1506545	3.911704	4.1173455	4.220211
USP24	7.486939	6.868593	7.398232	6.971129	7.381382	7.647346	8.167964	7.278965	6.446402	7.306061	7.076653	7.389636
USP27X	5.665926	6.167882	5.8673305	5.69264	5.2664205	5.213472	5.423595	5.2681275	6.155219	5.895657	5.4795475	5.441183
USP35	6.497045	6.327754	6.577152	6.564522	6.161401	5.920968	5.650341	6.21521	6.23846	6.198592	6.289535	6.146353
USP36	5.836977	6.390765	6.174533	5.367996	6.097709	7.264319	6.533096	6.056321	6.541971	6.310822	7.708833	6.65712
UTP18	6.9289715	6.6680585	6.5450565	7.0482675	7.5696025	7.5510655	8.0431275	7.742209	7.661487	6.9859525	8.379211	7.0323215
UTP23	7.2438285	7.135713	7.053753	6.57506	7.1948665	8.0339995	7.589575	7.0072995	6.590338	6.0130755	6.675731	6.1077315
UTP3	9.118416	8.908545	9.373147	9.133881	9.455809	10.03869	9.750106	9.502312	9.354468	9.059443	9.643365	9.208606
UTP6	6.14129	6.1257835	6.2546935	6.2082165	6.500367	6.6209305	6.3921005	6.394271	6.1944825	6.364982	6.5706565	6.528899
VAMP7	9.89608	9.481589	9.527824	10.09746	9.996498	10.21887	9.601044	10.11941	9.882059	9.056835	9.252228	9.161151
VARS2	8.094997	7.543191	7.816456	7.950357	8.06321	8.289417	8.463561	8.075923	8.187635	8.483877	8.093564	8.271998
VASH2	3.071451	3.565094	3.479882	3.296217	3.906562	3.221028	4.679457	3.760302	4.316472	5.083	3.77737	4.438636
VASN	9.72084	9.967047	9.579695	9.671933	8.021895	9.347341	6.415592	8.061334	7.695077	7.801976	9.089666	7.70667
VAT1L	5.554483	6.119352	5.679138	6.536171	3.830642	3.2829	3.23691	3.732365	3.193697	3.279334	4.012369	3.529481
VCAN	11.36523	11.30047	11.32043	10.63323	6.481124	6.580703	3.781823	6.596904	8.968993	8.990557	7.217206	9.120188
VENTXP1	3.1283385	3.2412775	3.396323	3.202751	3.122281	3.0495115	3.2394895	3.154167	3.087057	3.034282	3.1814665	2.9748585
VEZF1	8.896332	8.420843	8.512146	8.283069	7.631176	7.271567	7.508663	7.716732	8.816488	7.320227	8.000467	7.037869
VOPP1	7.6046685	7.669051	7.5813185	7.53928	7.1359425	7.357991	7.2539095	7.4013895	7.403903	7.306015	7.035916	7.3003135
VPS45	6.631825	6.7558995	6.6398355	6.709182	6.790598	6.364157	6.7651925	6.9955165	6.5378525	6.6931545	6.8221425	6.589812
VSTM1	3.322116	3.920205	3.527081	3.070065	3.054689	3.240252	3.072673	3.165795	3.174422	2.944494	3.565093	2.926314
VSTM2A	2.817964	3.00847	2.908338	2.801242	3.032255	2.864945	3.01016	2.799863	2.795091	3.510661	2.945198	5.556579
VSTM2L	6.012191	6.022364	6.357549	6.146256	6.958435	6.412214	6.215269	6.776018	5.73977	6.280818	6.335175	6.471491
VTA1	9.0164805	8.8290185	8.1964205	9.1064335	9.109531	9.8791745	9.1820375	9.0862775	9.111041	8.3379015	8.8492225	8.6222455
VTI1A	5.291982	5.612935	5.267643	5.940455	5.708891	5.252623	5.970124	5.896679	5.52995	4.831494	5.857215	5.072646
VWA3A	5.555281	5.9627435	5.3654965	5.562562	5.267971	5.103376	5.0922365	5.2271545	5.2147035	4.7466755	5.192482	4.8434015
VWA3B	3.690844	3.69829	3.392126	3.494326	3.480335	3.510189	3.364585	3.471325	3.288501	2.923161	3.540695	3.344385
VWA5A	6.626826	6.793177	6.7323455	6.1119525	6.348939	4.7776	6.465751	6.247198	4.9127635	6.885686	5.7385675	6.3627785
VWA5B1	4.0726115	4.3825495	4.057704	3.962162	4.0287705	3.960339	3.9042165	4.1130095	3.9245035	3.78893	4.12283	3.8062625

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
VWC2	2.543371	2.310168	2.315793	2.388206	2.254588	2.417432	2.490818	2.311634	2.094296	2.562274	2.229154	3.235084
VWDE	2.6323625	2.707207	2.6922485	2.4469265	2.526349	2.398961	2.384776	2.5627435	2.9927705	2.690383	2.58816	2.4175235
WBP2NL	3.100174	3.153178	3.196658	3.102909	3.201249	3.040638	3.346004	3.194828	2.940196	3.112824	2.795176	3.011062
WDFY4	4.0543615	4.252458	4.3631565	4.0842025	3.97963	4.5758365	3.988624	4.233521	3.942679	3.9002755	4.3160135	3.768771
WDR38	4.6617535	4.8939645	4.34103	4.522941	4.613664	4.510711	4.5436425	4.509603	4.3005885	4.191356	4.4459445	4.1240565
WDR43	6.603771	7.031678	7.583561	7.569854	8.802507	9.618231	8.902628	8.72934	8.554964	7.992752	8.535359	9.007959
WDR76	5.3537455	5.9945885	5.395513	6.361752	5.0708235	3.1316355	6.3702065	4.5165655	5.678771	5.734281	4.27583	5.5428435
WDR82	10.27834	10.35517	10.36737	10.41442	10.48545	10.46531	10.73414	10.44214	10.38219	10.80818	10.69649	10.71072
WDR86	3.992814	3.51164	3.802125	3.790297	3.875912	3.772631	3.736065	3.794127	3.910599	3.752109	3.913826	3.834755
WDR87	5.331729	5.041494	5.524807	4.966124	4.575467	4.847742	4.867188	4.51822	4.377051	4.039412	4.729506	4.529922
WDR88	2.8978595	2.8073075	2.803095	3.009758	2.706798	2.9846485	2.748848	2.839567	2.892421	2.7136685	2.873906	2.752497
WDR89	6.032604	5.919249	5.924057	5.941573	6.537167	6.997357	7.16551	6.475553	6.395662	6.589303	6.38514	6.524104
WDR90	5.933727	6.460042	5.954869	5.9881	5.657003	5.728288	5.724034	5.677152	5.622693	5.459068	5.665357	5.763377
WDR91	5.424227	4.361345	4.894493	4.959797	5.017672	4.927083	4.662367	4.896382	5.24254	4.847274	5.536641	4.79187
WDR93	6.047519	6.277761	6.25211	6.059379	6.160493	6.009333	5.90889	6.395981	6.371162	5.797787	6.091315	5.531943
WDYHV1	8.740819	8.544319	8.322484	8.522476	7.401379	6.528823	8.019968	6.961668	8.166748	7.93208	7.945444	7.460395
WHAMM	7.285883	6.682303	7.398803	7.393163	7.399617	7.836846	7.903095	7.254123	8.33156	7.768399	8.126273	7.707033
WIPF2	8.2297865	8.161006	8.504495	8.0858635	7.787656	7.7106895	7.458908	7.5973045	7.5668555	7.733676	7.5547305	7.2315485
WIZ	6.3744485	6.893358	6.518342	6.4584175	6.4408615	6.6799325	6.365595	6.403581	6.2410915	6.421169	6.39299	6.5234125
WSCD2	5.0769245	5.40849	5.101116	5.3370515	5.121285	5.0444385	4.92648	5.187523	5.1053215	4.840263	5.149925	4.838467
XAGE-4	6.335817	6.650829	6.540669	6.702747	6.192748	5.908693	5.846003	6.22063	6.241583	5.839997	6.097448	5.37337
XIAP	7.601387	7.92951	7.689827	7.871185	7.540149	7.53259	7.326499	7.624053	8.049201	7.849759	7.755693	8.142072
XIRP1	5.957919	6.022426	5.742657	6.034976	6.242274	5.886217	5.817534	5.966293	5.583836	5.713162	5.914504	5.577803
XIRP2	3.121092	2.758825	3.009002	3.220894	2.773901	2.963263	3.072852	3.059146	3.292531	2.955088	3.089921	3.035013
XIST	3.630234	8.839847	8.832747	3.648769	3.961088	6.567504	3.478573	3.960325	3.818956	3.391276	3.823896	3.579188
XRRA1	5.412295	5.150821	5.4453065	5.0161495	5.459888	6.200155	5.2392255	5.4419015	5.478396	4.721795	5.449846	4.9451405
XYLB	3.462316	3.5287335	3.5195985	3.5102965	3.3718335	3.483378	3.2822335	3.246681	3.4093965	3.275985	3.55801	3.275828
YDJC	7.318164	7.13408	7.324519	7.178732	7.942828	8.529723	8.301876	7.83446	7.48111	7.568762	8.387442	7.573043
YJEFN3	4.341469	4.971232	4.276812	4.603153	4.397742	5.345662	4.413578	4.589928	4.913927	4.580936	4.6473	4.897799
YLPM1	7.2663975	6.8360445	7.129949	7.124552	7.136664	6.8511625	7.1660455	7.1280095	6.868813	7.386753	6.6542295	7.905966

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
ZACN	5.299325	5.290337	5.471027	5.477582	5.660991	5.356691	5.492536	5.527607	5.372551	5.279997	5.768186	5.071877
ZBBX	2.838697	2.366638	2.579652	2.655584	2.51797	2.395556	2.518654	2.861672	2.469828	2.688364	2.478093	2.498176
ZBTB22	6.583096	6.811351	6.520944	6.329953	6.279001	5.556704	6.166578	6.20338	6.01827	6.266826	5.930533	6.36463
ZBTB34	7.084202	6.586383	7.218163	7.038556	7.069554	6.409992	7.193872	6.78616	7.589664	7.265042	7.013491	7.287982
ZBTB42	4.183006	4.35335	4.908466	4.640484	4.340799	4.612196	4.581383	4.469752	4.881199	4.638922	5.091483	5.052852
ZBTB43	6.495736	6.040326	6.41939	6.137859	6.414823	7.017829	6.451486	6.528289	6.508813	6.533359	6.861882	6.43173
ZBTB45	5.650169	6.797709	5.5426265	5.489379	5.086085	5.264219	5.148953	4.9899745	5.157044	5.033342	5.1618685	4.9718895
ZBTB46	5.009167	4.907588	5.123573	5.227044	5.738357	4.639962	4.844411	5.541083	5.846524	4.983671	5.119795	4.837175
ZBTB47	6.954406	7.351805	7.569815	7.299138	6.512499	7.416561	6.057738	6.41365	6.990077	6.502931	7.38887	6.827302
ZBTB48	6.066001	5.665357	5.830613	5.911405	6.419176	6.920156	6.095876	6.141499	6.536887	7.067881	6.956132	7.179196
ZBTB6	5.451412	5.140876	5.426984	6.130385	5.642064	7.522217	6.309852	5.426984	6.640297	4.910681	5.127827	4.610909
ZBTB7C	4.2190255	4.1365755	4.0815095	4.3159295	4.529987	4.449966	4.376392	4.37745	4.3877645	4.333208	4.832922	4.247945
ZBTB8A	8.467092	8.340213	8.607858	8.256234	7.210543	3.579174	6.885313	6.830471	7.602845	7.31496	7.002813	6.700483
ZC3H12C	4.24929	3.9574215	4.70952	4.287803	4.507097	4.9079425	4.150342	4.6033275	5.7511205	4.3885055	4.791002	4.4297605
ZC3H12D	2.856165	2.801169	2.829172	2.839883	2.61446	3.329038	2.900759	2.732304	2.872468	2.849891	3.56268	2.825518
ZC3H13	8.087855	7.637492	8.082148	8.247351	8.315904	8.22355	9.237875	8.323829	8.171593	9.038519	7.579314	9.376969
ZC3H18	6.05733	6.676059	5.968217	6.031137	5.629215	6.2372165	5.9521255	5.4796595	5.609584	5.779964	5.588732	5.663657
ZC3H4	5.6761865	5.549472	5.517387	5.6407575	6.197581	5.71254	6.103041	6.2425675	5.808742	6.1323515	6.1877505	6.140376
ZC4H2	6.123316	5.822306	6.034707	6.19846	5.18218	4.774777	4.942941	5.243267	7.138247	5.693099	4.944352	4.407663
ZCCHC24	9.8421125	9.616549	9.9844755	9.8633015	8.995194	7.8757805	8.6655135	9.0216225	8.5189975	9.1346795	8.546264	9.4565585
ZCCHC4	5.933854	5.26252	4.686667	5.309852	5.319914	5.245701	5.495255	5.521438	5.911342	5.022871	5.934878	4.767766
ZDBF2	5.829646	6.28686	5.949417	6.782396	6.983891	6.819499	7.801235	7.104988	7.900358	8.332409	5.220239	8.57883
ZEB2	4.857011	4.688869	4.605649	4.342004	4.8788545	4.0918305	4.5827655	4.7490835	5.670163	5.351197	5.395497	5.4362695
ZER1	6.229706	7.0331425	6.1858015	6.3190485	6.052453	6.173974	5.7118145	6.1292595	5.7041055	5.668357	5.6309515	5.3729465
ZFAND5	5.131212	5.107364	5.17153	5.2478135	5.221266	5.13462	5.566052	5.477875	5.249211	5.238625	5.4542305	5.2825645
ZFAT	6.19037	6.177691	6.249196	6.068583	5.911674	5.490198	5.666582	6.01762	5.842879	5.495977	5.815707	5.345395
ZFC3H1	5.881013	5.682943	5.9424005	5.437692	5.60156	5.4289975	5.5603025	5.631809	5.44768	5.6590625	5.221609	5.9209395
ZFHX2	5.3863515	5.5345395	5.535703	5.527316	5.270036	5.480235	5.722896	5.5387	5.3699615	5.634836	6.061755	5.678703
ZFHX3	5.018811	5.309077	4.974684	4.666802	5.3404905	5.4438405	4.7642995	5.3622945	4.8872695	5.6061985	5.158685	5.4679375
ZFP14	3.063275	2.976563	3.160063	2.809891	3.113996	2.953893	3.122462	3.036278	3.293231	4.204576	3.259007	3.497958

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
ZFP30	7.035255	7.270931	7.079772	6.840923	6.961363	5.037638	5.234263	6.722952	7.291831	6.923415	5.544501	5.572344
ZFP57	5.054673	4.894271	5.214421	5.392027	5.154734	5.04388	5.00808	5.049864	4.828202	4.217144	4.964187	5.054781
ZFP62	7.594296	7.114978	7.202122	7.442251	7.319621	7.392269	7.754156	7.128804	7.481844	8.374253	8.303917	8.389065
ZFP82	6.5965225	6.8000975	7.3060685	6.697618	6.323664	6.726057	6.815214	6.2666275	6.785853	6.9537625	6.3926015	6.854187
ZFR2	4.15576	4.385097	4.2858425	4.407658	4.446878	4.384364	4.105941	4.32879	6.3413305	4.57478	4.1589395	4.1463155
ZKSCAN2	5.856123	5.924327	5.834724	5.866341	5.813513	5.844376	5.537118	5.88285	6.577535	5.818092	5.857433	5.927304
ZKSCAN3	4.62264	4.1853675	4.5733435	4.497186	4.7143385	4.380037	4.195787	4.730772	4.782623	4.796102	4.5751535	4.607119
ZKSCAN4	6.671801	6.073246	6.656333	6.795074	7.096267	6.537738	6.759921	6.957604	7.262198	7.15055	7.228774	7.190329
ZKSCAN5	6.430351	6.2071755	6.4182995	6.609865	6.421384	6.7856225	6.548145	6.4575005	7.1802845	6.3325505	6.7321335	6.313177
ZMAT4	5.528877	5.168212	5.475108	5.701387	6.969099	6.210319	7.222807	7.213871	5.643127	8.204142	6.866118	8.75028
ZMIZ1	5.272953	5.13623	5.368588	5.130923	4.980196	4.868949	5.098159	4.977663	4.905414	4.943182	4.929226	5.684855
ZMYM2	5.226394	4.5646205	4.8956145	4.072591	4.901652	5.0531655	4.8580605	4.9492145	4.275963	5.6780005	4.656083	6.377551
ZNF107	5.313189	5.2988745	5.102638	5.3972325	5.791028	5.415693	6.391608	5.632076	5.9156175	6.084995	4.668618	5.9975375
ZNF138	4.149854	4.0434005	3.911938	4.215643	4.479493	4.451667	5.0142445	4.4765345	4.257307	5.1319965	3.544501	5.020582
ZNF154	3.998778	4.1307935	4.0995575	3.9025205	4.257404	3.944927	4.2861775	4.1699265	4.100872	3.911534	3.889321	4.2022155
ZNF180	6.247698	5.845396	6.650334	6.69594	6.369265	6.613862	6.398507	6.45319	6.778275	6.389403	5.593412	5.5364
ZNF185	6.586706	6.63421	6.611423	6.520272	5.356591	5.529432	5.405355	5.545325	5.923273	5.482889	5.944549	5.280613
ZNF251	6.546271	6.363557	6.936587	6.921212	6.224955	5.195045	5.977133	6.248184	6.70505	6.70936	6.293946	6.845047
ZNF260	7.4035965	6.8938535	7.125495	7.4438105	7.897999	8.227478	7.713786	7.9568695	8.16628	8.3168415	6.75973	8.0416735
ZNF280A	3.133325	3.127837	3.177847	2.972636	3.394709	3.769253	3.288221	3.487598	3.387069	3.236787	3.52524	3.225511
ZNF280B	4.787777	4.34193	4.842371	4.870919	4.212007	5.181355	5.313489	4.937805	6.687707	6.01866	5.291833	5.399352
ZNF280C	5.032905	4.449998	4.826458	4.746299	5.785726	6.030338	6.199669	5.627055	6.450073	6.765974	4.770557	6.634288
ZNF280D	6.084582	5.007146	5.329497	5.233757	5.242172	5.167389	5.235879	5.066034	5.610905	5.399228	4.755542	5.167389
ZNF281	10.58537	10.61191	10.07728	9.281915	8.118948	7.820719	8.192639	8.10293	8.55108	7.832226	7.805743	8.183163
ZNF282	7.272998	7.506388	7.138076	7.255455	7.088615	7.279742	7.048212	6.95161	6.681822	7.096908	6.686348	7.095917
ZNF283	5.195017	4.694098	4.350663	5.074739	5.530846	6.629354	5.841719	5.42371	5.197814	5.091465	5.378761	5.146164
ZNF286A	5.936929	5.973624	6.108239	6.049754	6.909167	7.255146	7.037852	6.901581	5.729479	6.129056	5.843397	5.962535
ZNF292	7.657018	7.728487	7.808427	7.759971	6.887212	5.936038	7.356097	7.019822	7.186757	7.88691	4.596818	7.425828
ZNF296	4.099822	4.793916	4.852126	4.534715	4.566518	4.866397	5.559226	4.669975	4.2686	4.472054	4.746571	4.463961
ZNF324B	4.865529	5.30756	4.989292	5.2913605	5.0577185	4.99548	5.146423	5.227217	5.046761	5.0741215	5.182419	4.9178095

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
ZNF33B	3.722153	4.181268	4.380952	4.629025	4.513046	4.36639	4.45322	4.426929	4.222282	4.340068	4.350094	4.050048
ZNF362	4.618696	4.870795	4.873923	4.585415	4.626716	4.742129	4.703866	4.678517	4.540564	4.626716	4.852841	4.202347
ZNF385A	4.814657	5.028919	4.97479	4.948555	5.053578	5.096975	5.068238	5.063823	4.766478	5.098052	5.043358	5.108911
ZNF385B	2.751569	2.765385	2.788724	3.017748	2.690091	7.189352	5.251015	2.672837	3.495039	2.885556	4.323312	3.137481
ZNF385C	4.194062	4.732268	4.461824	4.144932	4.160661	4.330782	4.069183	3.997452	4.263064	4.460433	4.243356	3.83742
ZNF385D	4.2847325	5.053408	4.6081435	4.840661	4.5916555	4.0744555	5.326684	4.687635	3.813957	7.5416035	4.013907	6.3223775
ZNF391	3.854912	4.267303	3.53469	3.690499	3.581566	3.715307	3.551557	3.600197	3.452003	3.556148	3.488447	3.583256
ZNF428	6.088682	6.3025705	6.088605	6.4244995	6.4179565	6.9144185	6.604684	6.570429	7.044736	6.53329	6.4905745	6.4330875
ZNF440	3.692096	3.545113	4.174557	3.474613	3.615983	3.322246	3.3757	3.43387	3.465254	3.67014	3.569615	4.806294
ZNF461	3.5092	3.600246	3.636806	3.672637	3.438774	3.436804	3.57199	3.491099	3.688384	3.477649	3.461738	3.440521
ZNF469	8.041662	7.85338	8.719566	8.584336	6.701582	6.068533	5.809058	6.834639	7.709967	5.700038	5.628102	5.456625
ZNF470	4.880247	5.331082	6.133762	4.508985	3.060789	3.239484	3.284468	3.388719	4.612393	4.373418	3.556239	3.034768
ZNF479	2.8432745	3.0395315	3.0201815	3.102571	3.0706665	2.8924545	2.9381635	3.0898645	3.018052	3.047886	3.125786	3.111407
ZNF48	6.412086	6.740447	6.804129	6.729758	6.428055	6.354862	6.386855	6.153126	6.908937	6.628211	6.695304	6.659399
ZNF486	3.121092	3.065826	2.835972	3.022695	3.111802	2.623876	3.153358	2.87433	2.713266	2.984903	2.791859	3.153358
ZNF488	4.747786	5.022838	4.778374	5.177731	4.947851	5.112654	4.860669	5.26187	4.979706	4.773965	4.860036	4.559419
ZNF492	2.963077	3.265178	3.196658	2.831274	2.664779	2.303693	2.726285	2.584291	3.044126	2.742265	2.648885	2.715611
ZNF506	5.050057	5.366679	5.30359	5.641788	5.705173	4.104977	4.49029	5.606798	5.036995	6.029922	4.661057	5.358223
ZNF512B	6.9910255	7.3111135	7.3841335	7.1773195	7.578255	7.9725265	7.6655985	7.533805	7.899753	7.8274105	7.3866265	7.9462105
ZNF516	7.197244	6.661994	7.048748	6.907735	6.949335	7.085691	7.073074	6.827127	7.288128	8.190353	7.645912	7.645978
ZNF518A	5.588209	5.310942	5.449698	5.297623	5.227204	5.172318	5.346338	5.362865	5.169722	7.565212	5.131227	7.536716
ZNF518B	4.85843	4.566096	4.57224	4.535322	4.542023	4.806205	4.75379	4.540945	5.952852	5.168211	5.680515	4.234428
ZNF527	5.6745625	5.9068565	6.026514	5.8612595	6.1109755	5.5628725	5.7716985	6.088205	5.9650595	5.951325	6.1340045	5.823116
ZNF541	4.573006	4.095389	4.82474	4.505363	4.834116	4.819204	4.479755	4.812232	5.451121	4.218595	4.657226	4.184065
ZNF57	5.57327	5.248816	5.35389	5.393201	6.108612	6.740897	6.993136	6.169921	6.247392	6.94306	7.002813	7.5894
ZNF578	3.9482585	3.889689	3.888673	3.7802345	3.646271	3.0800095	3.041534	3.745656	4.370713	5.5661635	4.0193165	3.256424
ZNF583	4.116072	4.169073	4.2098945	4.362164	4.1614845	4.6076255	4.058553	4.291874	4.197174	4.0649595	4.1596865	4.052866
ZNF594	4.3806625	4.1959625	4.343138	4.4560145	4.7983435	4.035248	4.864575	4.8304935	4.9666555	5.239622	4.585502	4.8186475
ZNF605	4.781914	4.3972565	4.792128	4.7955185	5.038548	4.963386	4.801023	5.116406	5.2653605	5.4364605	4.9148175	5.3877015
ZNF638	7.2998925	7.1248075	7.5001335	7.2529265	7.5945505	7.203466	7.7991845	7.638747	8.0976115	7.9569565	6.912047	8.088357

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
ZNF674	2.158288	2.305436	2.358399	2.229154	2.345209	2.459437	2.239734	2.565289	2.358399	2.218131	2.489411	2.505547
ZNF697	6.7073045	6.423834	6.355916	6.700715	6.424172	6.9510325	6.5914845	6.447209	6.464615	6.2202615	7.306758	6.3064315
ZNF702P	3.102043	3.174422	3.15027	3.29971	2.671616	3.045448	2.608704	3.004066	4.83431	3.85008	2.89583	2.682852
ZNF711	3.0665615	2.625348	2.7774815	3.087239	2.8438835	2.5648855	2.7383165	2.9150385	6.058336	7.4841785	2.5793895	5.66811
ZNF717	3.218054	4.011088	3.472393	3.376313	3.404389	3.245439	3.016921	3.735975	3.239116	3.03722	3.357023	3.513258
ZNF720	5.8264195	5.240483	5.5154775	5.295359	5.3874805	6.3082605	5.456498	5.3334585	5.3081705	5.1912635	5.412209	5.22081
ZNF738	5.059853	5.329693	5.4676135	5.0095905	5.8962275	3.9037905	5.356192	5.536172	5.4359555	6.955317	4.910518	6.216566
ZNF746	5.402121	5.0538355	5.4128225	5.489527	5.498358	5.794793	5.716587	5.5407015	5.9088745	5.7338535	5.632117	5.5376135
ZNF747	5.8581525	6.081217	6.002289	6.1584575	5.991887	5.9903245	6.2488485	6.0539155	6.092338	5.8753345	6.3330485	5.952489
ZNF750	2.320574	2.215067	2.263952	2.310304	2.219374	2.457379	2.282053	2.152098	2.189766	2.343757	2.363368	2.126224
ZNF75D	5.725658	5.665357	5.794417	5.680065	5.727393	5.454787	5.794008	5.604098	5.811643	5.604908	6.174141	4.920537
ZNF763	3.368593	3.3323715	3.7239315	3.73927	3.475216	2.7955805	3.0766255	3.482897	3.420085	4.305126	3.724752	4.304474
ZNF764	6.0306455	5.555863	5.8235125	6.03328	5.764011	5.884909	6.1618305	5.700299	5.9981995	6.33691	6.2734225	6.362713
ZNF766	7.751118	8.065639	7.542719	7.939655	7.824435	8.11482	7.657125	7.635327	7.944934	8.243858	8.404641	8.258701
ZNF768	7.030056	7.281069	6.655807	6.88165	6.057845	7.5598	6.509112	5.882642	7.172354	6.868653	7.449644	7.246344
ZNF770	6.263971	6.473765	6.301891	6.5984575	7.539082	8.7773445	7.8103215	7.57649	7.1149865	6.546762	6.7060565	7.5202795
ZNF771	4.190811	4.347005	4.506874	4.411201	4.448958	4.496649	4.401086	4.537758	4.250893	4.117237	4.695919	4.489439
ZNF775	4.9805545	5.352143	5.057934	5.037501	4.5861305	4.601763	4.5773215	4.718715	4.5431155	4.2486385	4.678035	4.4071325
ZNF776	6.0540185	6.093852	6.2773425	6.1633995	6.7473805	6.5042575	6.6831095	6.7273375	7.0177695	6.901923	6.666596	6.8157495
ZNF777	5.3543755	5.9066295	5.361516	5.1769255	5.254155	5.6576555	5.4521885	5.2291905	5.336158	5.2010325	5.3737125	5.1653065
ZNF778	4.518548	4.642831	4.98794	5.230416	4.194719	4.477163	4.330564	4.312832	5.274491	4.246641	4.889608	4.099784
ZNF780A	5.296685	4.2364265	4.722134	5.3221125	5.070603	5.1189015	4.970012	5.004808	5.363079	4.976089	4.7840815	4.4683385
ZNF780B	4.230432	3.902803	4.196372	3.9944455	4.235805	3.924019	4.3105215	4.259211	4.2512285	4.7991665	4.22256	5.1075605
ZNF782	4.046854	3.766043	3.644928	3.469502	3.94945	4.023969	3.926228	4.281894	4.469859	5.562303	3.83963	5.463667
ZNF783	6.7873375	6.833319	6.9998335	7.1120665	7.2238375	7.108787	7.3920565	7.0719805	7.833693	7.951519	8.122837	8.156047
ZNF784	6.195755	6.506124	6.436237	6.218174	6.739973	6.436279	6.362929	6.353144	6.640243	6.376024	6.363854	6.358588
ZNF785	3.624359	3.533765	3.29486	3.500707	4.357207	3.688183	4.308549	4.241325	4.007488	5.642011	4.080433	6.312658
ZNF786	5.502897	5.026537	5.44037	5.703279	5.696527	6.26373	5.939566	5.541146	6.31466	6.574478	6.173972	6.212695
ZNF787	5.364144	5.665359	5.206458	5.4606045	5.3405295	5.6243945	5.6277945	5.300082	5.3157355	5.0959325	5.587531	5.148537
ZNF789	5.037751	5.1679715	5.4309335	5.198823	5.4178395	4.9694175	5.581495	5.560499	5.4588865	5.663769	5.735282	5.383

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
ZNF791	7.933325	8.281879	8.029871	7.514788	7.814314	8.067003	7.860644	7.586851	7.935335	8.534938	7.934502	8.827429
ZNF792	3.92594	4.062802	4.463995	4.268731	3.820643	4.6126	5.489178	3.752327	3.858546	3.722514	3.84709	4.115523
ZNF793	3.952029	4.315557	4.29756	3.977251	3.875063	3.620843	3.859762	4.031152	4.950398	5.683993	3.859039	4.497844
ZNF800	5.603366	6.160054	5.871102	5.3804405	6.1247725	6.8933235	6.6717575	6.120095	5.7697875	6.6790985	6.4469845	6.5948535
ZNF804A	4.961301	4.2024	4.286219	5.815316	5.808002	4.730501	3.728057	5.883632	6.298773	4.235604	5.507491	5.32666
ZNF804B	2.833417	2.729223	2.315092	3.012106	2.713996	3.025502	2.8443	2.806404	3.030594	2.790884	3.172224	2.901397
ZNF813	5.333431	5.069221	5.021447	5.399442	5.811969	5.761175	5.485443	5.769052	5.388516	6.207623	5.047182	5.663334
ZNF821	6.114965	6.388286	6.149001	6.387848	6.024283	6.089808	5.994763	6.121501	6.318644	5.910017	6.357945	5.896625
ZNF823	5.834452	5.059186	5.2408	6.016316	6.12014	6.543685	6.62822	6.259751	5.594253	6.586276	5.387062	6.611626
ZNF827	6.334801	6.713418	5.7161	5.988025	6.839954	6.671989	7.185703	6.631781	7.611662	8.018453	6.69923	8.112635
ZNF829	4.589976	4.549212	4.5894305	4.5606385	4.0479335	3.680592	3.429161	3.943022	4.7295005	4.4452115	3.8576435	4.370228
ZNF830	7.5953055	7.552499	7.542377	7.7072075	7.8981765	7.949991	7.89162	7.7426895	7.9258025	7.609365	8.476026	7.589165
ZNF831	2.838722	2.7458275	2.8001765	2.827936	2.843121	2.7623135	2.7408495	2.927502	2.7612365	2.6547185	2.9003405	2.627572
ZNF835	5.657273	5.822305	5.679394	5.668919	5.848256	5.631926	5.412945	5.657708	5.580861	4.827404	5.502482	4.730142
ZNF836	4.6974715	5.1566205	4.7669165	4.9484125	4.992092	4.40987	4.573674	5.0742175	4.859687	5.1025735	4.6877075	4.481739
ZNF837	5.07355	5.466924	5.1286585	5.2002465	5.2197705	5.514156	5.0736355	5.261939	5.2156865	4.939415	5.118365	5.1048055
ZNF839	6.0111745	5.9082675	6.001888	5.909318	5.85367	6.0538165	6.036314	5.8027345	6.0782875	6.3537205	6.3624175	6.133729
ZNF84	7.52253	7.3967135	7.983047	7.5139585	7.3110665	8.195851	7.360224	7.193518	8.095242	8.7351155	7.898506	8.327956
ZNF843	6.400099	6.529945	6.2504555	6.479458	6.3263995	6.1970525	6.185385	6.41513	6.2565915	6.054499	6.396503	6.052587
ZNF844	4.989785	5.034928	4.7307085	5.1472925	4.1735295	3.6890825	3.8697305	4.1488475	5.1734835	5.510812	4.871511	5.56136
ZNF862	7.1087255	6.5672975	6.3111975	6.25862	6.603303	5.773906	5.594593	6.4873005	6.1078035	7.2087285	7.445165	7.2469455
ZNF90	2.894189	3.251054	2.769475	2.784441	3.101887	2.98569	2.948093	2.98992	3.01004	2.836077	2.980401	2.596112
ZNHIT6	6.8599295	6.4100035	6.634459	6.6669245	6.9744725	8.063259	7.0443245	7.141786	7.015749	7.306588	6.906448	6.9375065
ZNRF3	5.795157	5.825017	6.416523	5.70459	6.908422	7.126793	7.780247	6.985676	6.346621	7.455556	7.845489	7.214535
ZRANB2	9.535114	9.056662	9.276424	8.471572	10.03038	9.577329	10.14285	10.05107	8.941786	9.497374	9.276726	9.906574
ZRSR2	7.123892	7.2149835	7.371431	7.341147	6.673226	7.4766445	6.945081	6.8561235	7.1849035	7.390556	7.3712005	7.454442
ZSCAN10	5.333819	5.2716075	5.3312845	5.470992	5.371156	5.3357235	4.9887985	5.4032545	5.0618625	4.7141015	5.3875835	4.7909615
ZSCAN12	4.080934	3.960149	3.949456	3.898137	3.919671	4.161788	3.94971	3.830395	4.271731	3.619494	3.480306	3.677607
ZSCAN16	3.828627	3.006147	3.368747	3.808641	3.833222	3.993129	3.391868	3.595515	5.661688	4.062645	3.885033	3.928375
ZSCAN18	6.262345	6.402736	6.178439	5.245544	4.556459	4.618349	5.472906	4.966038	5.6994	6.897429	5.404081	7.396098

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
ZSCAN20	3.919574	3.862331	3.922935	4.042292	3.965604	3.792583	3.50964	4.016861	3.915171	3.647989	4.022674	3.720179
ZSCAN21	7.430777	6.955163	7.199413	6.712204	7.168305	6.844326	7.194646	7.103642	7.954093	7.38811	7.303584	7.472084
ZSCAN22	5.964353	5.899514	6.153631	6.255904	6.019202	6.158843	5.741442	6.109743	5.595554	6.053674	6.39951	5.514152
ZSCAN23	3.3505745	3.138962	3.1867765	3.083897	3.5472675	3.206566	3.7405	3.463784	3.3428445	3.4809145	3.2615115	4.073519
ZSCAN29	6.781357	6.469158	6.63845	6.362899	6.848272	6.885863	6.818581	6.727119	7.162466	7.354456	7.058481	7.302311
ZSCAN5A	5.0613715	4.9786375	5.3096005	4.8881555	5.156535	5.0389615	5.4741605	5.151602	4.895747	4.7427175	5.2259105	4.8132535
ZSWIM5	4.620564	4.932366	5.185845	5.275249	4.49929	4.426644	4.490955	4.239318	4.780086	5.073976	4.355577	5.661935
ZSWIM6	8.937351	8.860792	9.052878	8.098413	8.38857	9.460846	8.23182	8.476562	9.399456	8.962157	9.302694	9.155986
ZSWIM7	6.869704	6.5340145	6.6052905	6.516522	7.1801025	7.065427	7.480983	7.209107	7.6278235	7.698748	7.4352755	7.337405
KRTAP3-3	2.605238	2.752621	2.975934	2.784601	2.880859	2.745894	2.918593	2.911295	2.696384	2.835665	2.889995	2.892139
ZG16	4.97135	5.088393	4.875689	4.931931	4.739478	4.771222	4.647943	4.913844	4.959743	4.602139	4.888634	4.523022
ZNF285	5.150681	5.03459	4.814121	5.280026	5.082905	4.578779	4.272428	4.77179	5.896804	5.604908	5.4121	5.533119
KDM4A	6.8118745	6.956042	6.7529505	6.8460965	7.5812745	7.765796	7.64798	7.3690735	7.1412175	7.73924	7.5144535	7.686441
KDM4C	4.004853	3.939432	4.041578	3.89028	3.7847565	3.4318505	3.633881	3.7090315	3.5376735	4.7026805	3.713031	4.6475405
KDM5C	6.3734865	6.8914245	6.93936	6.0608185	5.714634	6.507439	5.6431585	5.5537655	6.0644345	6.235438	6.2607435	6.1885675
C1orf159	5.929316	6.128159	5.917727	6.046379	5.855409	6.268018	6.022365	5.707736	5.879755	6.032244	5.940556	5.946415
SLC35E2B	3.483525	4.218337	4.231026	3.960116	3.769866	3.697025	3.900519	3.83449	3.739064	3.4872	3.891597	3.396029
C1orf174	7.665486	8.023272	8.0282665	8.028998	7.9987345	7.9087095	8.2956665	7.795303	8.2627685	7.4134385	7.88415	7.5092415
C1orf127	5.819534	6.401521	5.969623	6.114996	6.349628	6.173807	6.124793	6.197509	5.91316	5.909235	6.182317	5.723091
MTOR	4.980235	5.055208	5.3466945	5.193788	5.4385015	5.563573	5.4383505	5.4805975	5.4151295	5.2061765	5.5017235	5.3719685
C1orf158	4.12987	3.978558	3.649973	3.715743	4.156975	3.973047	4.069105	4.516712	3.989231	3.883335	4.142959	4.031942
CROCCP3	4.8839325	4.9467755	5.055562	4.6076685	4.6098885	4.7817605	5.005983	4.573096	4.710661	4.976715	4.7584115	4.962259
CROCCP2	6.579943	6.761539	6.723458	6.648047	6.861397	6.515667	6.883776	6.756043	6.351699	6.410727	6.73019	6.684093
CELA3A	4.542734	4.9935995	4.6834395	5.0263435	5.3970015	5.1057005	4.877305	5.197406	5.3006645	4.8228875	5.082312	4.5235565
KDM1A	8.345352	8.579462	8.385174	8.879942	9.558204	9.310848	9.504394	9.560251	8.475055	9.46522	9.196381	9.429411
MDS2	4.204592	4.242645	4.2503685	4.46549	4.6071825	4.3687315	4.3768625	4.435979	4.416469	4.3664135	4.379045	4.238775
SRSF10	8.947709	8.560805	8.624875	8.635727	9.106226	8.37543	9.576153	8.999099	8.829638	8.93512	8.628043	8.840624
NIPAL3	7.720631	7.407266	6.592757	6.901243	7.203754	7.996624	7.452863	7.620986	6.471828	6.324915	8.319298	6.148541
LIN28A	2.677739	2.652906	2.55856	2.696364	2.568449	2.661558	2.596475	2.612924	2.316347	2.578998	2.759599	2.760375
SRSF4	6.473369	5.528878	6.964124	5.341021	5.523225	4.93091	5.530316	5.612185	4.655463	6.423852	5.004135	6.446644

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
ZBTB8B	2.628878	2.592596	2.693803	2.675344	3.021437	2.800023	2.912333	2.916019	3.224951	3.074434	3.040617	3.151333
C1orf94	5.562454	5.352648	5.391872	5.040453	5.322526	5.436099	5.318269	5.235432	5.400621	5.483533	5.626967	5.318288
C1orf216	8.142552	7.692907	8.058376	8.334237	8.157154	8.060007	8.099849	8.012825	8.562693	7.931776	8.398447	7.530275
C1orf109	7.172415	6.712555	7.000769	7.785628	7.917262	8.476747	7.998942	7.885342	7.971387	7.452168	8.639943	7.654037
C1orf122	9.528643	9.151536	9.599497	9.759334	9.672389	10.04178	9.818657	9.678403	9.755445	8.92361	9.778214	8.624865
PPIEL	5.75368	6.0623415	5.8945265	5.273295	5.7055165	5.296779	5.804336	5.40123	5.237785	6.1105	5.562919	6.0928005
MFSD2A	5.2142745	5.17049	5.7021085	5.2747995	5.380898	5.770144	5.319839	5.2692335	5.3244225	4.8265975	5.4988355	5.0513935
CCDC30	3.599207	3.711484	3.6970855	3.648948	3.7089805	3.668674	3.6751905	3.7591825	4.4083005	3.7099745	3.771141	3.6746875
C1orf50	7.117858	6.273777	7.191551	7.316764	7.313272	7.600532	7.092421	7.368118	6.873687	7.186226	8.072986	7.22216
C1orf210	3.378844	3.160309	3.020127	3.093947	3.079861	2.879715	3.211185	3.098472	3.075336	3.029642	3.064649	3.020127
BTBD19	6.449608	6.6099395	6.639967	6.2169365	6.204571	5.812444	5.774909	6.40746	6.2388115	5.8853965	6.1157445	5.6094985
ORC1	6.152942	6.118937	5.191127	6.349653	5.935934	3.969667	7.040449	5.499964	4.764668	5.515935	5.13946	5.285411
HSPB11	8.579251	8.496562	8.433742	8.580935	8.495886	7.035559	8.533448	8.112825	7.68364	7.429925	7.594119	6.831255
C1orf87	3.026742	3.308528	2.863618	3.127883	2.814957	2.822828	3.209546	3.054355	3.119992	2.815592	3.296271	2.855397
WLS	7.612722	7.211851	8.088163	8.622934	10.00302	10.32783	9.460907	10.01836	9.776379	9.538125	10.49223	10.03237
SRSF11	8.0634485	6.778963	7.2073085	7.2920275	7.418162	6.584432	7.5115645	7.3506365	6.448631	7.9371235	7.366318	8.44847
C1orf52	7.0321655	6.9257425	6.959791	7.1283805	7.1363485	7.4718385	7.3865295	7.0471985	7.3245345	7.4528025	7.3593875	7.59434
CLCA3P	2.302607	2.302607	2.381323	2.299728	2.391035	2.39618	2.267436	2.281729	2.335362	2.324607	2.327411	2.342077
EPHX4	2.484993	2.579272	2.622196	3.265178	2.520176	2.677194	2.390432	2.470464	3.442258	2.650377	2.436255	2.510265
LOC100129620	2.370052	2.360538	2.40606	2.460436	2.314764	2.41613	2.456204	2.324607	2.234053	2.249798	2.36647	2.233211
C1orf194	4.748925	4.836099	4.582602	4.453679	4.650188	4.512499	4.583006	5.012747	4.722502	4.946571	5.042158	4.810555
DRAM2	8.314558	8.583911	8.879642	8.728746	9.487389	8.4340145	8.6971635	9.5542325	7.983545	8.662534	9.3820775	8.847038
C1orf162	4.312882	4.757724	4.272636	4.630987	4.842522	4.571795	5.160006	4.777665	4.634066	4.850764	4.82662	5.290068
SIKE1	5.494095	6.687191	5.927315	5.72553	6.391395	6.769285	6.723557	6.337727	6.045238	5.231869	5.20954	5.278903
CD101	4.077474	4.150724	3.900519	3.75098	4.71892	3.981448	4.534984	4.58296	3.815014	4.492087	3.859158	4.245288
C1orf54	7.938599	7.698926	7.025877	8.13827	6.111506	5.759866	5.824476	6.183025	8.733596	6.760867	6.282606	5.614249
C1orf56	5.129974	5.0895685	5.3648645	4.762217	4.9530625	5.1686415	4.7396515	4.9900815	5.4060035	4.851367	4.651584	4.5740525
CELF3	5.5360085	5.546624	5.6366465	5.1263615	5.419269	5.466718	5.5222715	5.406774	5.5535665	5.457041	5.523632	5.704103
C1orf68	5.3430025	5.265175	5.191655	5.390861	5.687335	5.512424	5.5801215	5.771743	5.7288325	5.442944	5.753084	5.770654
PRR9	5.294334	3.999734	3.783222	4.651392	3.99543	3.872803	3.763635	4.031711	3.623173	3.248161	5.132575	3.307696

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
C1orf43	10.28093	10.29307	10.2059	9.738964	11.05324	10.48653	10.98833	11.03265	10.76357	9.543341	11.18632	8.930758
GBAP1	8.243894	7.640372	8.002463	9.043546	8.825846	10.55293	8.774047	8.991325	9.852528	9.07982	9.972245	8.861749
POU5F1P4	5.830594	5.459426	5.445906	5.784492	11.50987	11.67818	12.2236	11.55197	5.762668	11.69973	11.44811	12.163
C1orf61	5.0568395	5.230234	5.0708415	5.092335	5.259697	5.29199	4.9823045	5.5135675	4.9970285	5.422623	5.199041	5.2707745
DCAF8	5.497461	5.684092	5.482181	5.679753	5.642736	5.446074	5.781981	5.418097	5.218104	5.201426	5.566585	5.044807
C1orf226	3.955449	4.064214	3.92315	4.264351	4.497275	5.606368	4.913987	4.754481	4.340711	5.55822	5.668676	5.186822
TADA1	5.005912	4.512766	4.8070515	5.0968075	5.2749905	5.8044365	6.0778415	5.371375	5.215899	5.9278385	5.4823815	5.771615
C1orf112	6.759774	6.146354	5.848857	6.642529	6.566248	5.295898	7.118906	6.219165	5.77253	5.536378	5.695834	5.352643
GORAB	8.474348	7.775105	8.020369	8.069244	8.374584	7.535378	7.986493	8.688274	8.417021	8.331588	7.635414	7.708828
C1orf105	4.031998	4.303878	4.186189	3.95724	3.848803	3.381813	3.784353	3.911069	3.549168	3.683611	3.717286	3.787507
C1orf220	2.772122	2.865799	2.842347	2.839951	2.669991	2.789907	2.878506	2.919495	2.974238	2.945214	2.901527	2.975238
C1orf21	5.338055	5.570253	5.880546	4.93386	4.790084	4.931602	4.775303	4.753645	4.791791	5.071445	4.985155	5.048296
C1orf53	6.1728065	6.1317555	6.255643	6.7319675	8.396548	8.7524815	7.346596	8.221166	7.481895	7.345658	8.2810325	7.3450965
RPS10P7	3.797648	4.471679	3.865129	3.881223	3.951407	3.893507	3.614649	3.976954	4.361803	3.806415	4.120811	4.05214
ZBED6	4.524603	4.4361255	4.4281245	4.379162	4.741554	4.9200975	4.736296	4.4992275	4.4858155	4.7462795	4.076556	5.612496
CDK18	4.760529	4.794284	5.255765	4.423254	4.266813	4.643565	4.335238	4.169765	5.197814	4.85193	5.104187	4.568708
C1orf116	3.545345	3.53791	3.585845	3.582064	3.900404	3.54259	3.688864	3.925849	3.480327	3.461112	3.633579	3.406815
C1orf74	4.7584405	4.840372	4.6402055	5.315761	5.3105595	5.2866935	5.2728495	5.135655	5.527576	5.0669315	5.612261	5.1282015
C1orf115	3.9553235	3.879192	3.9958615	3.737507	3.616792	3.5366665	3.7964805	3.676642	3.904492	3.961399	4.4703925	3.788951
C1orf35	6.48314	6.409219	6.620705	6.697386	6.549603	6.200444	6.732258	6.503721	6.416257	6.85642	6.831213	6.940921
C1orf198	8.14598	8.556776	9.334017	8.587344	11.10593	8.742457	8.694711	11.03426	10.76211	9.733012	9.736684	9.148632
C1orf131	8.62054	8.162922	8.519189	8.396701	9.914291	9.270605	9.714346	9.679433	8.330643	9.179132	9.317743	8.878443
LOC100130331	3.546732	3.284817	3.372054	3.524664	3.565093	3.761238	3.43704	3.408147	3.717835	3.385469	3.569975	5.29922
C1orf100	3.751073	3.751073	3.974217	4.061163	3.781822	3.828874	3.619636	3.553626	3.817273	3.693997	3.61064	3.589788
CNST	7.4333405	7.664832	7.1969135	7.194653	7.3403885	7.062709	7.026641	7.38634	6.4883785	5.4607105	6.4904335	5.7056685
LOC400940	2.9265895	3.044165	2.8862875	2.782489	2.8872175	2.86074	2.845849	3.0256255	2.789108	2.856484	2.8563765	2.639861
C2orf50	4.642265	4.751217	4.66878	4.925873	4.526727	4.277118	4.402987	4.605375	4.54278	4.181039	4.76754	4.193987
C2orf70	4.845708	4.65798	4.805729	4.663775	4.684228	4.799624	4.604377	4.707036	4.502092	4.537818	4.733318	4.546698
OST4	12.05455	12.03752	11.41725	12.01377	11.96129	11.28042	11.60421	11.99102	10.80975	11.73111	11.44282	11.51303
C2orf16	5.927981	6.307835	5.798914	6.03669	6.382557	6.053905	5.98489	6.007491	6.101608	5.87986	6.18528	6.067603

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
TRMT61B	7.75522	7.487312	7.775883	7.959898	8.108022	8.760093	8.602925	8.171796	8.033644	8.258936	8.551502	8.220798
SRSF7	8.4925735	8.136042	8.40792	7.703185	8.88255	8.080079	9.037608	8.674617	7.900572	9.301535	8.7209625	9.4555805
ARHGEF33	2.905232	3.123716	2.854917	2.708292	2.837954	2.711136	2.527218	3.137289	3.301072	2.873037	2.93082	2.816577
LOC375196	3.252311	3.204961	3.532659	4.505085	3.488702	3.156665	3.515934	3.813792	6.738311	3.148529	3.773117	3.961614
ERLEC1	10.31461	10.2178	10.35037	10.19389	9.611707	9.835556	9.345404	9.632542	9.83998	8.649131	9.329955	8.307908
C2orf73	3.870743	3.849144	3.195957	3.545334	3.677817	3.77777	3.564873	3.589501	3.411583	3.78385	3.728569	3.802417
RPL23AP32	6.12074	6.408285	6.123794	6.485323	6.97543	6.316645	7.197449	7.12701	5.383669	7.74241	6.692332	9.009561
EML6	4.085971	4.1124355	3.854294	4.2605005	5.728587	6.465422	6.030773	5.5213845	4.2845965	5.2137525	5.2244605	7.7869655
LOC339803	7.287565	6.572883	6.2427405	7.177467	7.3358245	7.1985025	7.0879855	7.353007	7.5770665	7.023971	7.409866	7.0841915
C2orf42	7.270593	6.401143	6.865266	7.202416	6.869656	7.265938	6.398771	6.766413	6.922819	6.262612	7.312391	5.896133
C2orf81	7.006712	7.62464	6.986605	7.137887	6.582771	6.434098	6.42981	6.58842	6.385555	6.284821	6.965763	6.249453
C2orf68	6.162924	6.056527	6.320842	5.689772	6.1779145	5.37306	5.932483	6.0557335	6.3369745	6.6226925	5.7958845	6.5940665
KDM3A	6.1653025	5.9609265	6.2662895	5.8472425	5.8717385	5.430122	5.60972	5.804379	6.1263355	6.1564035	5.8094625	5.851611
ANKRD36BP2	2.907072	2.564145	2.68959	2.591834	2.421782	2.741239	2.963463	2.47492	2.51405	3.643224	2.793091	2.638113
ACTR3BP2	4.19568	4.881156	4.035034	4.550044	4.228793	4.099135	4.461067	4.096372	4.016103	4.117925	4.448699	4.283697
NEURL3	4.964444	5.372531	5.289093	5.206339	5.360008	5.126941	5.445908	5.570815	5.475913	5.1096	5.539185	5.299253
C2orf49	7.404918	6.925799	7.086209	7.195874	8.079927	7.99864	7.885801	8.083256	7.277119	6.822855	7.681054	6.298128
FLJ42351	5.442118	5.377317	5.638898	5.691232	5.207722	5.158982	5.008282	5.500718	5.897318	5.201316	5.364891	4.946852
DDX11L2	5.855393	5.810802	5.536203	5.389586	5.68315	5.620388	5.55073	5.699692	5.432815	5.551195	5.406435	5.49568
LOC100499194	4.518083	4.528335	4.266644	4.831893	5.152313	4.807218	4.942372	5.225968	4.891031	4.997149	5.147429	5.035644
C2orf76	7.028482	6.944971	7.013664	7.341522	7.245873	6.9497	6.848868	7.196935	7.068323	7.191993	6.702673	6.613813
UGGT1	7.498136	7.06139	7.350207	7.691168	7.352507	7.399554	7.430729	7.259189	6.524282	7.53827	7.320363	7.716313
MZT2B	7.743187	7.350329	7.628808	7.197009	7.63912	6.975121	7.855906	7.599944	6.690972	8.65213	7.65125	9.3344
POTEKP	7.839364	8.351307	7.597488	8.102459	7.848116	7.839022	7.448606	7.82723	6.703635	7.591592	7.338085	7.301874
C2orf27A	5.5738925	4.972145	5.245791	4.9663725	4.814197	5.474853	4.6373485	4.6293675	6.292485	4.956454	5.310731	5.7134355
ORC4	6.994211	6.3696015	7.04767	7.3819905	8.1837415	8.5260885	8.7436215	8.137005	8.529831	7.5405485	7.27545	7.4073285
DCAF17	5.8913165	5.508857	5.493574	6.1939895	6.574547	7.396082	6.414768	6.401819	6.930335	6.371732	6.6492825	6.319333
METAP1D	4.4796	4.336061	4.3343375	4.2959965	4.2620665	4.436693	4.542259	4.511513	4.2997405	4.8712265	4.607054	4.363502
C2orf88	5.338959	4.6393795	4.1431175	5.143373	5.4637245	5.8341095	6.7842655	5.083626	5.086721	5.0353565	4.6576455	5.610297
C2orf69	9.8324925	9.719506	9.648055	9.9541025	8.4946165	9.410103	9.158954	8.484567	8.9304445	8.8789095	8.3549435	8.7131185

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
ORC2	7.175617	6.8279395	7.0547415	7.040596	7.9118275	8.12733	8.7316555	7.829406	7.657402	8.26995	7.6530265	8.0559305
CDK15	4.941905	5.1491	4.54802	5.348159	4.431981	4.431355	4.40937	4.433784	4.488822	3.900519	4.438995	4.376755
C2orf80	2.855149	3.012647	2.939469	2.956126	7.70256	3.714849	10.30414	6.834143	3.082632	11.365	5.34494	10.99422
UNC80	2.592988	2.597105	2.482806	2.61974	2.829468	2.680832	2.925785	2.556153	2.621307	2.601384	2.624279	2.670825
DIRC3	5.847577	6.318606	5.912886	5.896632	8.496853	6.663372	9.025843	8.628692	5.03752	10.07027	9.176428	10.11067
CXCR2	3.153505	3.290352	2.795799	2.816	2.723215	6.431973	2.717669	2.546312	2.479974	2.479974	3.17677	2.816447
TUBA4B	5.418097	5.315923	5.08204	6.03408	5.279997	5.801039	5.174839	5.722439	5.181574	4.832304	4.91656	4.704427
C2orf83	3.945925	3.607903	3.662458	3.47733	3.339134	3.182974	3.453468	3.446125	3.482577	3.252295	3.675169	3.446125
C2orf72	5.402517	5.628249	6.162245	5.397971	5.244843	5.174839	5.178514	5.11849	5.063569	5.245838	5.401337	5.241371
LOC200772	4.453852	4.4681	4.83128	4.182316	4.243598	4.293242	4.203066	4.454596	4.339929	4.395249	4.381582	4.302049
BHLHE40	7.868543	9.4056155	8.8682495	7.759575	8.097231	8.481013	7.100558	8.225561	9.740748	8.8185655	9.090372	7.35168
C3orf20	4.518212	4.442442	4.622253	4.544078	4.101863	3.897494	4.464742	4.289965	3.978328	3.569562	3.854943	3.494429
ARPP21	3.0291255	2.8954355	2.8951735	2.8343825	2.862423	2.913513	3.2236595	2.966807	3.13008	3.0692885	2.820757	3.657666
TRANK1	6.375823	6.37257	6.643483	5.969623	4.833288	4.809877	4.536257	4.912809	6.126488	5.562303	4.946357	4.833288
C3orf35	3.696969	4.062573	3.71571	3.965695	3.544689	3.467484	3.431439	3.512109	3.456068	3.597643	3.863363	3.731943
CSRNP1	7.621666	7.850983	7.053748	6.947509	6.262567	6.234013	5.803629	6.237594	7.140703	6.024452	7.024977	5.798742
PRSS50	4.306432	4.818184	4.341619	4.802145	4.264811	4.273208	4.440249	4.498202	4.44718	4.22414	4.340391	3.943652
C3orf62	4.494163	4.108469	3.891468	3.751958	3.835299	3.87974	3.652974	3.879654	3.788898	3.923519	3.653527	3.850205
NPRL2	6.8251585	6.86345	6.9020695	6.9488075	7.0580215	7.132257	7.2094385	7.1591675	6.8495785	6.850639	7.226235	7.0952445
C3orf18	7.484814	7.248717	7.402253	7.283927	6.538595	5.703151	6.477525	6.697545	6.998116	7.08964	7.097149	6.965264
MANF	9.981577	9.902636	10.12198	10.00695	10.25211	9.856202	10.73811	10.17809	8.949989	10.71447	9.656883	10.55286
IQCF6	3.810774	4.649342	3.833175	3.97032	3.488508	3.381433	3.660467	3.580331	3.592107	3.43556	3.811712	3.405563
IQCF5	3.47038	3.505806	3.677256	3.576061	3.449747	3.500563	3.55583	3.451925	3.522156	3.556623	3.536035	3.330117
POC1A	6.12961	6.082141	6.1522805	6.5452705	6.3113025	5.5544335	6.832586	6.0709075	6.0439715	6.0211855	6.419408	5.7365625
DNAH12	3.3151255	3.454273	3.449042	3.6117515	3.6885645	3.6890845	3.671982	3.805665	3.6127335	3.4108375	3.7156655	3.350179
C3orf67	3.500404	3.290693	3.423797	3.790709	3.015831	3.054042	3.0079545	3.061992	3.0614825	2.928339	2.9951425	3.150837
C3orf14	6.6573765	6.2634765	6.396289	6.5235375	6.588	5.7746635	6.245853	6.4415925	7.0210125	6.33523	6.519095	6.168471
C3orf49	4.742253	4.669297	4.55111	4.426398	4.455338	4.427055	4.607105	4.574955	4.35358	4.443954	4.346699	4.540693
EBLN2	6.139305	6.165364	6.335474	5.649899	6.259074	5.589972	6.496496	6.274567	6.12497	7.656651	6.104883	7.214515
FAM86DP	5.135974	5.148868	5.218516	4.855246	5.188496	5.419492	5.117737	5.222149	4.764669	4.881864	4.926318	4.979775

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
C3orf38	7.340105	6.683846	7.29247	7.4878275	7.3750265	7.6146425	7.5959845	7.429362	8.3474045	7.3980645	7.137791	7.2259675
C3orf52	4.8898635	4.9634915	5.0309585	5.384459	5.3539225	6.370457	5.645909	5.840001	5.435742	3.934497	5.5883545	4.2901145
SPICE1	4.5536045	4.262611	4.308482	4.6211345	4.208391	4.2805525	4.720634	4.191041	4.957403	4.8007495	3.900456	4.573673
NAA50	5.881588	4.983655	5.754809	6.066441	5.843451	6.799829	6.537061	5.574185	5.638657	6.445122	6.546246	6.156615
ARHGAP31	6.3766895	6.2685225	6.560568	6.4240325	5.076614	5.985065	5.6682375	4.805202	6.679466	5.4654725	5.5810245	5.1774705
POGLUT1	7.33372	6.4130375	6.8123185	7.32391	7.7043295	8.174371	8.002731	7.653033	7.6665035	7.833459	8.2064275	7.8711145
C3orf22	5.223511	5.461191	5.22624	5.42017	5.341106	5.346255	5.529763	5.30447	4.95059	5.330065	5.166269	4.969267
TPRA1	7.079232	7.242516	7.225608	7.047707	8.223269	8.163427	7.744273	8.177507	7.922773	7.341355	8.570488	7.367083
LOC90246	4.2511075	4.2842025	4.3536105	4.0681895	4.001465	3.636712	3.7087465	4.5487805	3.6035885	3.509259	3.507222	3.591384
ALG1L2	5.254673	5.292356	4.950937	4.742185	4.405301	3.98893	4.104871	4.327425	3.870667	4.013266	4.207668	3.835334
COL6A5	2.911603	2.608268	2.694887	2.759976	2.757104	2.630472	2.616557	2.6316495	2.646235	2.6497205	2.653323	2.557851
NUDT16P1	3.8622285	3.613882	3.9833415	3.794862	3.317611	3.5062655	3.276674	3.628241	3.4256585	3.38545	3.6855865	3.3224375
C3orf36	4.545236	4.350631	4.529673	4.308685	4.441112	4.34801	4.385593	4.388182	4.215459	4.254148	4.428028	4.209901
ESYT3	3.923341	3.588241	2.93837	3.077686	3.256135	4.273709	3.044969	3.047395	3.000705	3.031502	3.04982	2.841778
LOC100289361	6.115693	5.768055	5.527889	6.092365	6.39652	7.098113	7.063157	6.308494	5.96363	6.09718	6.431643	5.921622
C3orf79	2.653209	2.438694	2.752595	2.708737	2.714652	2.789907	2.605	2.692148	2.713222	2.474469	2.496434	2.797927
ARHGEF26	3.234476	3.162769	3.191361	3.535226	4.81708	4.571045	7.063077	4.04445	4.104892	6.428811	3.197911	6.298967
C3orf33	3.447014	3.221682	4.21009	4.041916	3.936258	5.602438	4.402469	4.15585	4.861196	3.81458	3.869077	4.057841
EGFEM1P	2.52727	2.634792	2.480729	2.709433	2.726844	2.685887	3.386754	2.613336	2.67825	3.91818	2.681397	4.750077
MECOM	3.316618	3.468399	3.638801	3.507113	3.653106	3.594844	3.693152	3.753715	3.39829	3.372584	3.390211	3.372584
TMEM212	4.386271	4.331915	4.173081	3.711912	3.904471	3.880055	4.075954	3.768803	3.828992	3.942838	3.86607	4.70231
NCEH1	7.994386	7.263121	7.500415	8.790729	6.395207	8.938677	7.080081	6.882916	7.275446	6.590375	8.266006	7.013521
VWA5B2	5.117547	5.440193	5.1495215	5.087234	4.875537	4.805146	4.711066	4.741196	4.7844305	4.6193555	4.879753	4.64224
C3orf70	3.4690005	3.007768	2.930557	3.7882485	2.9779055	2.95373	3.0771205	2.826928	4.5421355	4.5687195	3.1236155	3.279307
TRA2B	9.175913	8.948122	8.584791	8.4704915	8.847373	8.336151	9.8264135	8.725293	8.349616	8.210153	8.5891595	7.6993725
MGC2889	3.269119	3.102912	2.9788	3.308616	3.588478	3.377961	3.499821	3.49499	3.357368	3.663105	3.509493	3.299307
ZNF876P	2.591728	2.884329	2.805635	2.519149	2.54887	2.353068	2.642263	2.675029	2.804661	2.550957	2.352842	2.530854
ZNF732	2.439591	2.3469025	2.406851	2.3669975	2.304138	2.466448	2.2882785	2.351201	2.443544	2.331963	2.4959865	2.31805
ABCA11P	5.486068	5.537863	5.75017	5.760606	6.172499	6.164787	6.575	6.096138	5.109758	6.616525	5.699763	6.040666
C4orf48	7.747396	7.396604	7.430641	8.311879	8.573961	8.494538	7.829348	8.578447	8.315527	8.785666	9.195666	8.893105

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
HAUS3	7.772514	7.396603	7.235173	7.557054	7.241547	7.10746	7.771458	6.982498	7.42342	7.564231	6.956714	7.634429
ZBTB49	5.398358	5.160958	6.136513	5.301971	5.37036	5.617137	5.40303	5.164477	5.73307	5.742167	5.8838	5.946185
NKX3-2	5.285861	5.963828	5.382114	5.085024	7.166282	7.165758	8.666815	6.939577	6.464412	6.751791	4.019295	7.075867
FAM200B	7.062494	7.341632	7.455015	8.289352	8.246496	8.748618	8.525183	8.203225	8.920727	7.19653	7.23231	7.061269
DTHD1	2.495653	3.127227	3.022418	2.87907	2.502598	2.354026	2.687888	2.66478	2.424497	2.692786	2.51427	2.58634
C4orf19	3.080619	3.5568315	3.58427	3.730393	5.1512075	4.293632	7.886468	5.119437	3.9327735	7.1903465	4.06072	6.376171
CWH43	2.967505	2.9915815	3.0783135	3.062726	3.090932	2.954834	2.9709075	2.927898	2.890811	3.067119	2.8943855	2.937163
TECRL	2.1834	2.213193	2.218087	2.080611	2.314802	2.223495	2.213193	2.197218	2.051008	2.081658	2.119263	2.228769
NAA11	4.320241	4.045955	4.046849	4.161654	4.236145	4.192332	4.191483	4.604321	4.339585	4.256194	4.451083	4.014884
C4orf36	2.821504	3.254272	3.315518	2.877685	3.143294	3.450048	2.877785	3.056246	3.946386	2.527652	3.290545	2.706723
C4orf17	5.110913	5.367643	5.171548	5.403615	5.07443	5.058669	5.101933	4.895165	5.242539	5.339384	5.267954	5.075636
ARHGEF38	4.470688	4.642832	4.48529	4.600335	4.555117	4.422485	4.386841	4.578973	4.552227	4.571495	4.653839	4.438701
TBCK	8.874516	8.754332	9.480398	8.694523	9.435497	7.748444	8.27549	9.39095	7.88022	8.815443	8.331982	8.775814
AIMP1	9.015457	9.312255	9.610655	9.309879	8.83045	9.532249	9.887997	8.604385	9.462383	8.676775	8.96695	8.76889
AP1AR	3.688789	3.652844	3.899705	3.441265	4.764668	5.616517	5.136588	4.758282	5.461588	3.693101	4.820164	3.350684
C4orf3	11.62803	11.48707	11.69268	11.87242	10.72131	10.47905	10.73783	10.74037	10.62863	9.955462	10.24077	9.441131
C4orf33	2.497646	2.564223	2.424497	2.292777	2.31936	2.837736	2.288799	2.366306	2.436881	2.338966	2.373843	2.345581
NAA15	4.389027	5.257803	4.960267	5.4133345	6.0164535	6.492604	6.6328345	5.974278	6.3103815	6.5248645	6.1393975	6.871728
C4orf46	7.741496	7.7540225	7.4646325	7.874029	8.2285505	6.717895	8.381432	8.006267	8.1455775	7.3276395	6.811067	6.760248
C4orf45	3.25538	3.05818	3.246227	3.14205	2.873978	2.931014	2.956844	3.167955	2.852583	2.864602	3.284163	3.038498
GK3P	4.926213	4.986477	5.085544	5.1393385	4.7270555	4.811194	9.085704	4.6006125	4.9176225	6.1454375	5.0968305	6.9755355
LOC389247	4.543899	4.983382	4.990803	5.086139	4.972558	5.036364	5.167837	5.374941	4.835454	4.867129	5.128393	4.905083
RWDD4	8.88624	8.443768	8.706483	9.170463	9.533063	10.61928	9.565895	9.529084	9.632654	9.418415	9.162098	9.283394
C4orf47	6.177135	6.3944055	6.834072	5.9718625	4.903594	5.7513545	4.9029695	5.0968795	4.935689	5.4105615	5.4913595	5.218864
UBE2QL1	3.155343	4.298388	3.3849095	3.429361	3.263781	3.386382	3.1680015	3.4244205	3.151577	4.055455	3.561605	3.3581105
C5orf49	2.898119	2.740171	2.885715	2.610251	2.852082	2.754432	2.717237	2.890201	2.962085	2.891513	3.05635	2.563365
ANKRD33B	5.612514	5.889099	5.98696	6.313869	7.1215	7.769775	8.754255	7.211199	5.867182	8.836555	6.871534	9.462666
GUSBP1	3.08214	2.924807	3.025292	3.084142	3.004637	2.861842	2.869382	2.946926	3.629789	3.781823	2.960598	3.927554
C5orf22	6.562291	6.886397	6.943294	6.782907	8.544801	7.581858	8.469515	8.593013	7.851661	6.309264	7.293629	5.904413
C5orf51	5.7620315	5.5824015	5.668418	6.0236505	6.6110785	6.2020975	6.552518	6.3865165	6.2477135	6.256835	6.212594	6.4050175

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
C5orf34	7.11259	6.708929	6.122725	6.326308	7.094649	5.921535	7.645587	6.998581	7.092319	7.088729	6.238232	7.070649
SREK1IP1	8.1261535	7.6673005	7.788547	7.974771	7.2778795	8.007235	7.666776	7.2727375	7.4828915	7.03433	6.8078815	6.8617185
CWC27	8.178016	7.822319	7.727352	8.053472	7.790068	7.707358	7.796709	7.593842	7.519316	7.276898	7.019267	7.147103
SREK1	5.1009135	4.6253535	5.3878905	4.7909765	5.4265665	6.277064	6.430814	5.44597	5.6493895	6.579733	4.8423365	6.3647265
POC5	6.679377	6.048258	6.048416	6.27431	6.735836	6.41018	7.354464	6.641267	7.040449	7.052565	6.556292	7.169619
LOC100289230	4.348558	3.994248	4.261067	4.188981	5.151286	4.190451	4.534169	5.16425	4.022832	5.280331	4.557765	5.721107
PPIP5K2	8.862846	8.754299	8.885631	9.231232	9.069819	9.059793	10.06199	9.049868	9.112004	9.14146	7.70149	9.239088
C5orf30	9.123152	9.276573	9.002523	10.57507	8.060377	8.983801	8.636772	8.071856	8.59436	8.514582	7.960238	8.642532
RAB9BP1	2.611327	2.647619	2.711925	2.346042	2.37674	2.388419	2.284365	2.437631	2.786219	2.235068	2.279056	2.423481
C5orf56	4.797067	4.7948985	4.8770095	4.7139645	4.695526	4.4082605	4.5447515	4.710754	5.7830275	5.56457	5.369007	5.5656225
C5orf15	7.8454355	7.6399925	7.914424	7.7755295	8.1361545	8.413641	7.7925535	8.586745	8.2334695	7.5361115	8.193691	7.59788
C5orf24	6.9705885	6.9512935	6.918281	6.7797235	8.509482	8.4181945	8.386199	8.583861	7.6745385	6.654058	6.4397475	7.4836255
SLC25A48	4.9198585	5.132874	4.7872225	5.1042805	5.0916405	5.027275	4.973323	5.0946355	4.9095675	4.960632	5.1116215	4.6310425
SPATA24	7.024726	7.2993925	7.1122215	7.2248315	7.087998	6.7773485	6.8147775	7.1974505	7.08413	6.7980775	6.95918	6.542262
C5orf46	4.620597	5.339725	6.032239	4.682352	6.670087	5.043287	4.713704	6.706315	5.74314	5.375431	4.760525	4.326291
SPINK13	4.00197	4.040227	4.105946	4.086166	4.228882	3.975412	3.900703	3.966867	4.194851	4.087801	4.537818	3.960873
ARHGEF37	4.471755	5.095256	5.093254	4.8189125	4.781473	5.363277	4.7313775	4.873835	5.231081	4.3449795	4.8003685	4.2281235
HMGXB3	7.953117	7.798867	7.8843625	7.98251	8.0768885	8.2882355	7.8682875	8.0033485	8.22621	8.262393	8.1829455	8.2189765
ZNF300P1	4.633836	3.484621	4.132619	4.874607	3.742343	3.366518	3.360457	3.7199	3.647918	3.727794	4.58099	5.377982
FBLL1	5.1258	4.985555	4.97479	4.706361	7.759086	6.577753	7.034681	7.859128	5.354266	7.32553	6.138474	7.641448
C5orf58	3.08711	2.988161	2.778896	2.951935	3.233592	3.142909	2.971327	3.565094	2.985474	3.021862	3.176911	2.824395
LOC100268168	3.042743	3.253613	2.891046	2.996245	3.056192	3.226829	3.052213	2.955897	3.16303	3.106627	3.103063	2.903543
LOC285593	3.3250765	3.760045	3.3590675	3.491575	3.3824845	3.3335645	3.382864	3.558033	3.525114	3.3537365	3.623143	3.153182
BOD1	9.605882	9.639708	9.601986	9.900992	9.72094	9.866157	9.781513	9.595913	10.47278	9.781906	10.15869	9.531704
C5orf47	3.462209	3.2481205	3.3067515	3.1631095	3.2745055	3.5313805	3.153153	3.559369	3.507052	3.0916595	3.405832	3.1676995
CDHR2	5.932703	6.118937	5.904787	5.924817	5.886709	5.731765	5.733824	6.007495	5.933368	5.530809	5.99828	5.578744
AACSP1	3.174795	2.864334	2.637169	2.915224	2.927654	2.744109	2.871089	2.577422	2.689373	2.762103	2.734868	3.511669
ZNF879	5.907675	5.824347	6.624347	6.433758	6.799196	6.091463	5.970891	6.645136	7.381584	7.053945	6.303182	6.293059
C6orf201	2.985004	3.008094	2.897305	3.028685	2.979508	2.938097	2.906184	3.270608	3.310985	2.861202	3.214129	3.111702
C6orf52	4.76528	4.948839	4.793134	4.695046	4.636542	4.666338	4.319232	4.430909	5.153652	4.630878	6.177658	4.241388

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
TDP2	9.975302	9.673958	9.752091	10.03549	9.640055	9.70071	9.731078	9.651706	9.945359	9.223213	9.689447	8.452493
ACOT13	8.49354	8.321282	8.401246	8.390577	9.463382	9.966171	9.103395	9.437172	9.563124	9.095126	9.703911	9.241884
C6orf62	8.3930585	8.3664045	8.45422	9.245415	9.782782	9.5235075	9.663736	9.966001	10.421132	9.2367035	9.9335035	9.0325475
HCG11	4.768723	4.915589	4.8367	4.540372	6.48322	7.43508	6.7053985	6.252279	5.825234	4.532761	5.9427325	4.974893
ZNF204P	2.787364	2.674084	3.018021	2.694657	2.688793	2.436134	3.147569	2.924432	2.697317	3.04879	2.424726	2.826736
ZSCAN12P1	5.245702	5.056344	4.759062	4.737389	4.63191	3.998413	4.369789	4.587774	4.103474	4.201202	4.134251	4.005522
HLA-J	8.7425	9.407455	9.077802	9.009129	8.93545	8.884896	9.447884	8.852967	10.43833	10.11705	11.02993	10.22206
ATAT1	5.600334	5.7773915	5.628584	5.4195365	5.3952695	4.6665555	5.299717	5.365264	5.059906	5.851966	4.956892	5.6700665
C6orf136	7.084696	7.1371305	7.092149	6.7564555	6.6522185	7.431901	7.360745	6.5599135	6.807244	6.933361	6.717215	7.1102505
C6orf15	6.06429	6.345188	6.174969	6.080369	6.381043	6.045828	6.258078	6.558373	6.169921	5.829591	6.286269	6.1779
C6orf47	7.128148	6.994249	7.091335	7.340843	6.812785	6.685353	7.074572	6.674126	7.042633	7.225258	7.217849	7.111029
LOC285847	3.821985	3.983618	3.815348	4.068656	4.117043	3.840093	3.926663	3.904326	4.188777	3.591169	3.947127	3.674468
SRSF3	9.1605595	8.3313335	8.463305	8.306155	8.00935	7.755502	8.542337	7.7541665	7.818338	8.2418015	7.4908065	8.1899635
C6orf89	8.241977	8.04502	8.305064	8.096661	7.937844	8.409984	7.603403	7.873626	7.723802	7.777699	8.041966	7.875854
TSPO2	4.562829	4.775086	4.7942	5.081856	4.634066	4.613788	4.407489	4.74706	4.635299	4.609551	4.653282	3.93966
C6orf132	4.5165105	4.6162785	5.2282815	4.711807	3.395996	3.6917815	3.5920305	3.6393355	4.44602	3.2114325	3.3261455	3.40371
C6orf226	6.690555	6.380818	6.317554	7.176242	6.510901	5.912983	6.254251	6.671793	6.68579	6.30445	6.47708	6.238966
RRP36	7.4291645	6.7927705	7.3086565	7.8078705	7.730719	7.819517	8.0197635	7.655046	7.476823	7.224939	7.9301835	7.0908645
C6orf223	5.380998	5.5382885	5.2834	5.6156545	5.3380425	5.094538	5.534698	5.573928	5.000136	5.1705015	5.249449	5.226099
C6orf141	2.6824	2.7546615	2.66386	2.6911305	2.7973975	2.736029	2.833726	2.7563805	2.6152405	2.7552715	2.648562	3.06785
C6orf163	3.366942	3.609498	3.2733555	3.267781	3.5174415	3.4222265	3.3976365	3.4401405	3.319461	4.7816025	3.4925095	5.4648325
ORC3	8.998811	8.608897	8.248446	8.773085	9.203623	8.752905	8.967073	9.078523	8.960967	8.679066	8.300822	8.649696
SRSF12	3.471004	3.7236525	3.638245	3.379614	3.481173	3.5228975	3.4463755	3.4977975	3.5708495	4.4212165	3.396685	3.696841
NDUFAF4	7.182804	7.143522	7.5857185	7.778238	8.2305665	9.22927	8.733712	8.086472	8.9362785	7.9372355	8.589899	8.0896355
C6orf203	8.539135	8.080168	8.525308	8.595188	9.05783	9.576344	8.655716	9.099497	8.604675	8.527802	8.975847	8.991125
CEP57L1	4.470184	4.295822	4.0934285	4.3838585	3.67946	3.651387	4.0961165	3.673089	4.1432615	3.878572	3.660759	4.036655
CDK19	6.65079	6.8516375	6.4118755	6.2313145	7.1016985	5.8928715	6.4035405	7.0544075	5.850964	6.9372075	5.628583	5.922728
RSPH4A	2.449486	2.352913	2.318111	2.401708	2.193459	2.735625	2.713222	2.501079	2.718436	2.498406	2.517795	2.659885
CENPW	9.862158	9.332479	8.986871	9.542809	9.908852	6.239573	10.16725	9.44993	8.299781	10.0445	8.007323	10.19439
C6orf58	3.487122	3.803617	3.487122	3.758288	3.908213	4.0918925	3.834763	3.8966215	4.390059	3.812051	4.1877085	3.8782405

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
THEMIS	2.5086865	2.5368945	2.5063985	2.5877365	2.535983	2.61941	2.5911955	2.630754	2.6344785	3.3296525	2.516071	2.74995
NHEG1	3.671632	3.702096	3.778846	3.761862	3.611306	3.661943	3.398856	3.723129	3.654111	3.50089	3.405893	3.588335
NHSL1	5.0817155	5.640175	5.691534	5.248477	6.0044385	5.623673	5.5471985	5.8333435	5.6912205	5.5570675	5.7363665	5.3332005
LOC153910	5.332135	5.193218	5.391212	5.805692	5.158122	4.902781	4.956723	5.294178	5.453269	4.926191	5.255383	4.846712
TAB2	9.07725	8.958411	9.045376	8.589678	8.238431	8.375986	7.958501	8.295635	8.995581	6.865809	7.070611	6.518748
IPCEF1	2.963209	2.823651	2.980209	2.985549	3.383997	3.327726	3.91739	3.42892	2.971484	3.265178	3.284163	3.317315
C6orf99	2.948712	3.318347	2.96732	3.310528	3.158366	6.358978	2.716598	2.862611	3.26941	3.008407	2.86401	2.840477
DKFZp451B082	4.579431	4.474114	4.624829	4.779855	4.863482	4.767553	5.103203	4.996818	4.93097	4.642426	4.886035	4.778212
C6orf118	2.9817755	3.0764515	2.860719	3.076947	3.024914	3.0743315	3.0719495	3.0267575	3.162693	3.1786035	3.082902	3.034127
HGC6.3	4.363533	4.423187	4.231914	3.872872	3.80298	3.920205	4.0053	3.937928	4.123264	3.873591	4.167614	4.103546
C6orf120	9.220814	9.14231	9.3667035	9.732386	9.1658595	9.834601	9.510995	9.168757	9.4221835	8.88473	8.925725	8.8983815
SUN1	4.2899215	4.1497	4.392503	4.807811	4.363674	4.238645	5.1738325	4.4997315	4.169813	4.9236105	4.98227	5.354049
GET4	4.315805	4.97479	4.68059	4.611829	4.374775	4.415624	4.556422	4.465961	4.692896	4.473629	4.546267	4.194511
C7orf50	5.291619	5.748628	4.97479	5.161659	4.994182	4.985972	5.069159	5.08777	4.792123	5.017862	4.961706	4.831627
CCZ1	5.361969	5.453669	5.552549	5.60529	5.668808	5.168541	5.691499	5.809551	5.468327	5.331406	5.618199	5.242995
C7orf26	6.824153	7.333435	7.402221	7.158513	7.25748	7.784925	7.201343	7.140944	7.097019	7.10132	7.327177	7.345903
ZNF853	4.64553	5.0084005	4.641759	4.5537705	4.786902	4.2306805	4.5514175	4.575449	5.4713715	5.5399945	4.498265	5.2171205
C7orf31	4.48899	4.498581	4.862604	4.583469	3.772624	3.382681	3.835834	4.082543	5.366723	5.345612	3.375568	4.083702
C7orf71	3.136755	3.160611	3.212193	3.284104	3.161328	3.077811	3.138615	3.119211	3.044126	2.782663	3.197383	2.976774
DPY19L2P3	3.120526	2.769108	3.020495	3.170671	3.24529	3.267429	3.302691	3.165036	3.683547	3.265178	3.848915	2.970421
DPY19L1P1	4.089493	3.715717	4.299343	4.038295	3.933446	4.165	4.222281	3.973401	4.678516	4.794796	4.545468	7.031633
CDK13	6.225313	6.234186	5.912886	5.338442	5.636144	6.24772	5.445908	5.658233	5.53207	4.934086	5.320591	4.819211
URGCP	6.21381	6.4178715	6.5491695	6.458527	6.525793	6.653818	6.5941835	6.5413305	6.1710315	7.831556	6.7040235	7.5283525
C7orf69	3.972167	4.434038	4.591959	4.101829	3.925424	4.000645	3.950562	4.051121	4.747579	4.075655	3.785525	4.101061
SUN3	2.657447	2.846523	2.431485	2.424496	2.615875	2.859426	2.596442	2.68812	2.903221	2.785177	3.134062	2.626679
C7orf57	2.862787	2.173149	2.756954	2.268255	2.34943	3.199395	2.235198	2.085771	2.544714	2.4205	2.471972	2.233211
POM121L12	6.854381	6.809092	6.661456	6.858401	6.6761685	6.488768	6.654098	6.8032845	6.635825	6.412048	6.636542	6.369745
DKFZp434L192	3.060508	2.925241	3.157362	2.941443	2.830331	2.91434	2.716846	3.008103	2.895289	2.821345	2.927642	2.99539
LOC100287704	5.168457	5.584173	4.938271	4.886284	4.918726	5.004031	4.942285	4.882777	4.935504	4.896199	4.916514	4.641094
ZNF736	2.647413	2.575355	2.590194	2.682179	2.661655	2.756714	2.461017	2.806856	2.895078	2.844251	2.682759	2.602206

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
NSUN5P1	7.7072855	7.531752	7.5520715	7.016863	7.205796	7.5393655	7.5618335	7.2111995	7.3158545	7.8331465	7.6174675	8.1556725
SRRM3	5.508445	5.852234	5.473387	5.267833	5.381604	5.245701	4.924836	5.490659	5.125633	5.345008	5.05602	5.073845
RPL13AP17	5.790079	5.866578	5.456538	5.834996	5.841093	5.636113	5.666247	5.815988	5.228732	5.272418	5.843397	5.788199
CDK14	7.3775855	7.763562	8.1086565	7.672536	7.970707	5.264009	7.207753	7.9072115	6.8301165	7.57887	6.44414	8.206405
FAM200A	4.131534	3.881356	3.8687185	4.436051	4.4530665	4.452926	4.454552	4.67276	4.3550005	4.3424535	4.2498945	4.4762945
AZGP1P1	3.378044	3.467701	3.19989	3.512684	3.437749	3.61462	3.1123	3.6284	3.692111	3.254241	3.798637	3.249939
C7orf61	5.283287	5.473957	5.388308	5.128008	5.16101	5.332763	4.97479	5.113477	5.443837	5.161983	5.638203	5.173224
SRRT	6.467602	6.86568	6.1662	6.134422	6.98278	7.418972	7.55043	6.887726	6.275766	6.167037	6.087573	6.026282
MYL10	5.066179	5.3237635	5.013571	4.789178	5.1448905	4.9396525	4.8657725	5.0431545	4.7892155	4.7155625	4.9480955	4.6596705
SPDYE2	4.449413	4.913514	4.599658	3.731262	4.861223	4.638907	4.767432	4.746899	4.684871	5.025245	4.966114	6.238984
FAM185A	4.125071	4.235139	3.9932045	3.82012	4.421904	4.4345415	4.5452975	4.397418	4.167111	4.8737835	4.1496655	4.4252815
CDHR3	3.7465335	3.536519	3.919344	3.539585	3.6898845	3.637291	3.736999	3.7826775	3.498079	3.8462465	3.650781	3.8069125
NAA38	9.871736	9.6927425	9.347631	9.926625	10.1178235	10.283205	10.25621	10.015998	9.2632745	9.27614	9.817124	9.4147535
KCP	5.428967	5.861153	5.732066	5.306611	5.722383	5.356375	5.433753	5.790256	5.467462	4.978385	5.673887	5.284192
C7orf33	3.309847	3.543334	3.363301	3.344081	3.617889	3.5318	3.664047	3.962693	3.453676	3.6404	3.729868	3.309538
ACTR3C	3.698025	3.463513	3.891821	3.756996	3.855199	3.743859	4.249932	4.028514	3.943122	3.896859	3.637367	4.140121
ESYT2	9.115638	9.419349	9.41008	9.434957	9.289667	9.908901	9.581045	9.358418	8.993423	8.827681	9.516607	8.900498
LOC286083	4.455338	4.546147	4.387188	4.355491	4.370875	4.391634	4.112925	4.75565	4.464053	4.460645	4.63412	4.11933
ZNF705G	2.723215	3.232038	3.030332	3.090135	3.265178	3.001049	3.227186	3.089708	3.114455	2.641944	3.361282	3.024108
PRSS55	3.488518	3.967495	3.660227	3.65674	3.800627	3.574218	3.511756	3.579951	3.796175	3.654581	3.788312	3.386494
C8orf74	5.02833	5.22918	4.8618765	4.63051	4.841718	4.562489	4.686132	4.699192	4.4712445	4.4431645	4.601094	4.527353
FAM66D	3.567635	3.625118	3.565093	3.448884	3.560815	3.430315	3.509335	3.35633	3.464345	3.554287	3.391833	3.549233
C8orf48	6.170867	5.451412	5.466968	6.47894	5.769491	5.552116	4.852163	6.022364	7.032503	4.48173	4.956045	3.674772
C8orf58	6.404003	6.7388025	6.7631395	6.630946	6.037818	6.6101355	5.8835345	6.1536775	6.762697	6.019499	6.382349	5.8881955
CLVS1	3.803075	3.903435	3.577005	3.687928	3.925446	3.565093	3.840454	3.660172	3.755839	3.784148	3.957564	4.023938
C8orf44	5.192773	4.476442	4.809999	4.168163	4.634065	3.987353	4.402538	4.449926	4.704715	4.978385	4.071947	5.534075
TCF24	2.183687	2.179128	2.447803	2.113447	2.14652	2.220724	2.12575	2.042091	2.104596	2.249798	2.228732	2.092843
C8orf34	3.366878	2.9736425	3.4696265	3.1892575	4.0307345	3.984911	3.284713	3.9725365	4.0285515	3.3508885	4.7415165	3.6636775
PEX2	6.854413	6.517941	6.522211	6.94698	7.283087	7.136206	6.974538	7.395227	7.555234	7.083942	6.692249	6.9168
DCAF4L2	2.4268215	2.6736895	2.7075655	2.5987065	2.5394575	2.5424655	2.454464	2.309593	2.545401	2.33157	2.284546	2.476321

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
PDP1	8.714226	8.76252	8.288395	8.191236	8.002432	8.92676	8.7820245	8.1096855	8.580938	8.4517655	8.737142	8.3552205
ESRP1	3.572742	3.651006	3.5001145	3.7424365	3.8908305	5.9781575	3.731239	3.935543	3.890064	4.651073	4.1090505	4.00593
C8orf37	5.73174	5.340577	5.965376	6.107017	6.552605	6.990613	6.357429	6.577629	7.248501	6.902318	6.389544	7.380941
DCAF13	6.604024	6.5935185	6.1743225	6.571117	6.5718765	6.7655455	6.458165	6.4097325	6.7206345	6.494668	6.488929	6.725642
SYBU	4.409196	3.53865	4.87734	4.138378	9.00604	9.064276	10.06451	9.114552	5.412733	10.58667	10.45066	10.41288
C8orf76	7.786882	7.428119	7.633329	7.759314	8.022618	8.260576	8.245779	7.82464	7.738363	7.080884	7.845622	6.733957
POU5F1B	5.781499	6.24441	5.9943	6.390783	11.37203	11.48249	12.02462	11.41302	6.110074	11.59169	11.42005	12.09703
C8orf31	4.045317	4.08084	5.519897	4.57669	6.822618	7.465556	5.649778	6.887678	5.738492	5.186239	8.614352	6.241583
PLEC	8.2485435	9.157912	7.054951	7.9629125	7.2054255	8.10903	6.799808	7.0249635	7.4098995	7.211759	7.411984	6.8993635
ARHGAP39	3.857546	3.974025	4.446143	4.34161	3.917342	4.059947	4.114353	3.846315	3.81043	4.181678	4.556649	4.366389
C8orf33	7.6911965	7.7321785	7.594192	8.1449455	9.0772925	8.633744	8.9261045	9.0463765	8.111236	7.83025	8.987439	7.4831075
C9orf72	4.09615	3.985535	4.215874	3.453146	4.193016	3.763433	3.93148	4.015851	3.617468	4.221663	4.565455	3.963397
SUGT1P1	4.2157995	4.1116285	3.9586735	4.4042695	3.985564	4.2872955	3.9790365	4.0611765	4.3417935	3.9600775	4.246289	4.053067
DCAF12	6.920683	6.349061	7.569818	7.766197	8.30223	8.617467	8.149495	8.201715	8.046303	7.772038	8.594013	7.881777
C9orf24	3.246488	4.305004	3.617251	3.823726	3.860633	3.714992	3.883882	3.863363	3.916719	3.204288	4.466561	3.206116
C9orf131	5.608572	5.583521	5.408736	5.448895	5.409143	4.736711	5.297683	5.265872	5.023583	5.406338	5.052181	5.269975
ATP8B5P	2.49276	2.7378235	2.6442755	2.4642535	2.677738	2.764703	2.616007	2.7411405	2.537249	2.6379705	2.9345095	2.741371
FAM201A	2.731676	2.625813	2.8682265	2.726848	2.9203435	3.222167	2.97678	2.787785	3.160741	2.7438295	2.985835	2.799289
FAM95B1	5.526759	5.89153	5.480228	5.060591	4.489782	4.592124	4.584174	4.54033	4.595506	4.763456	4.680707	4.595506
FAM189A2	4.965927	5.316042	4.954339	5.286266	5.459096	5.491997	5.309023	5.277292	5.435503	5.714757	5.635765	6.466837
C9orf135	3.2862845	3.457828	2.9914725	3.257734	3.1957665	3.0813295	3.1639355	3.24429	3.151374	2.9667155	2.8757065	2.969464
C9orf85	5.6834	5.216774	5.412108	5.554614	5.549612	5.565898	5.776748	5.481468	5.632118	5.678542	5.729162	5.768253
C9orf57	2.776711	2.744123	3.207981	2.566602	2.664779	2.974194	2.86362	2.51405	2.658961	2.789471	3.015894	2.70749
C9orf40	7.583976	7.443506	7.5260435	7.4703855	7.7556515	7.4006395	7.7809765	7.488772	7.3984765	7.049284	7.728339	6.7036255
C9orf64	8.3542865	8.313528	8.2602215	8.572019	9.049801	8.8718635	9.1849	9.0053305	8.5110315	9.0164835	9.5066445	9.2958715
NAA35	8.019635	7.7758545	8.114163	7.890098	7.9110985	8.2168525	7.7474795	7.9182885	7.787345	7.8009385	7.931718	7.595353
LOC440173	3.361055	3.685805	3.048277	3.872293	3.339134	3.278613	3.337719	3.265177	3.099179	2.57674	3.251494	2.54237
CDK20	6.303344	6.464742	6.220777	6.139229	6.567279	6.739691	5.695826	6.591447	6.959145	6.57212	6.873299	6.335621
C9orf47	4.3665545	4.3390485	4.1289965	4.4016645	4.301691	4.35361	4.493384	4.5647675	4.469346	4.40659	4.554002	4.314124
LOC100132077	3.6516975	3.7489765	3.8768155	3.7159075	4.2965645	3.7444095	3.839914	4.1817555	4.0711915	3.680575	3.749095	3.5954645

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
LOC286359	4.4214945	4.6088475	4.253498	4.526473	4.2795955	4.31789	4.361849	4.295429	4.2451395	4.1817575	4.3166025	4.0404005
C9orf152	2.478983	2.560647	2.708865	2.718198	2.497649	2.723215	2.605907	2.420337	2.424915	2.242611	2.437996	2.46643
ZNF883	4.482444	5.11286	4.438012	4.698059	6.419608	6.667904	7.030064	6.207221	6.602913	6.803657	3.017748	7.230406
C9orf43	4.309645	4.183259	3.959888	3.884578	3.892772	5.092453	4.045153	4.188776	4.340373	3.214943	4.067811	3.534952
SCAI	4.13816	4.456398	4.347486	4.565235	4.002528	3.589616	3.957273	4.294249	3.809888	4.101479	3.362448	4.850764
C9orf16	7.567723	7.956938	7.4559095	8.09753	8.4054945	8.071683	7.947013	8.3665885	8.057664	8.312645	8.12245	7.8672015
C9orf50	4.84357	5.701407	5.072605	5.154808	5.162631	4.930608	5.159588	5.424355	4.932209	4.460433	4.885084	5.068335
C9orf78	7.819551	7.248698	7.517433	7.749866	8.482991	8.7619	8.25463	8.501851	7.707933	7.794811	8.903514	8.130862
NCS1	6.669418	6.528143	6.330397	6.871497	7.280227	7.131275	6.595674	7.16025	6.265523	6.290722	7.351191	5.585013
LOC100272217	2.9586175	2.63677	2.8044645	2.8862825	3.473354	4.143857	3.3662685	3.5584655	2.9608525	3.5225335	3.4864755	3.4325695
C9orf116	5.732493	5.7199925	5.751011	6.0713535	6.660684	6.033581	5.8967335	6.6549385	6.320603	5.5724275	6.9448245	5.4901195
C9orf163	6.204624	6.620905	6.359319	6.380729	6.181873	5.9869	6.177131	6.174783	5.759955	5.948363	6.231297	5.972748
TPRN	6.443161	6.682481	6.402298	6.697574	6.582453	7.099133	7.111719	6.724462	6.858541	6.745952	7.191398	6.622025
TUBBP5	3.45616	3.357901	3.47949	3.347687	3.556324	3.491765	3.776519	3.220898	3.614671	3.235036	3.606367	3.263284
CELF2	6.037822	5.331198	6.551029	5.814767	3.422084	4.235336	6.831212	3.395763	6.293947	7.828425	3.32767	6.152528
C10orf113	3.963858	4.179283	4.275539	4.096329	4.040392	3.875071	4.121419	3.879245	3.978673	3.951189	4.070291	3.343788
LOC100499489	5.2338615	5.4371325	5.3715725	5.1691875	4.571935	4.7822565	4.687606	4.7383195	5.4918975	4.645836	5.2871025	4.432277
C10orf67	5.615561	5.842305	5.707551	5.726318	5.684241	5.933942	5.770483	5.650949	5.419724	5.556436	5.807993	5.154061
ZNF37BP	5.802361	4.542562	5.588805	4.501435	4.222046	4.659953	4.371819	4.212896	4.341929	4.903879	4.250553	5.612183
C10orf25	5.009007	5.038797	5.08197	5.166894	4.139864	4.409633	4.085313	4.2055	6.04639	3.693477	4.871396	4.120558
AGAP4	4.04517	3.806522	4.961986	3.667538	3.902332	3.740737	4.04517	4.16375	3.738907	5.438277	4.011707	6.38421
BMS1P1	5.232708	4.5993785	5.2195345	4.5433785	4.7934375	4.8300645	5.3670055	5.006013	4.9666765	6.6725295	5.247439	7.325011
AGAP9	4.044246	3.752859	3.922807	3.730702	4.59143	4.02722	4.407832	4.188777	4.039413	4.697859	4.387177	5.528325
FAM170B	3.449944	3.68438	3.6314	3.470277	3.744527	3.731769	3.562079	3.326487	3.549253	3.236426	3.418724	3.579734
C10orf71	4.131439	4.059978	4.013404	3.980628	3.999474	3.920205	3.98314	3.939369	3.767581	4.01167	4.270597	4.242298
C10orf53	5.2289265	5.415326	5.1182535	5.2311335	5.1772635	5.208629	4.9276405	5.342632	5.250728	5.027751	5.509482	4.730218
FAM13C	2.854453	2.4857185	2.7409555	3.244879	2.7178795	3.6016105	3.3925405	2.7304855	3.5261135	5.1125845	2.8694035	5.5790575
CDK1	9.086604	8.799386	8.5375195	8.667745	9.3430265	4.1701395	10.234755	9.018666	6.1531015	9.1972905	7.392639	8.347671
ANAPC16	8.7821795	8.624545	8.894774	8.525829	9.1568035	8.6262345	9.133744	9.018251	8.950783	9.4070335	9.1629265	9.5420945
AGAP5	2.703002	3.119706	2.782781	2.939758	2.690683	2.670609	2.832925	2.799763	2.713222	2.978433	2.854325	2.591434

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
C10orf55	3.205991	3.17941	2.927383	3.08656	2.926094	3.245209	2.966307	3.018414	3.471266	3.007813	3.331943	2.883936
C10orf99	4.19095	4.234539	3.9670435	4.0362685	3.9753665	3.768132	3.623718	3.793154	3.7195665	3.671928	3.7323155	3.449793
CDHR1	3.83214	4.172388	4.0767365	4.3519775	4.433439	4.9908615	4.6484715	4.6094365	4.078486	4.2073175	4.34844	4.135863
RNLS	4.8595175	5.1317445	5.1514535	5.162631	4.507526	5.3366755	4.6683155	4.6096845	5.4572605	4.3542375	4.332851	4.723342
FRA10AC1	5.790078	5.556022	5.338941	5.523482	6.060276	5.769876	5.898839	5.946415	6.064719	6.564601	6.027903	6.577887
C10orf62	5.011754	5.475696	5.250508	5.302266	5.601134	5.497334	5.251899	5.499964	5.426208	5.325065	5.506811	5.111876
PYROXD2	5.551197	5.581054	5.9138595	5.633276	4.993327	4.512076	4.8845445	5.1034945	5.3972555	5.6524375	5.3995175	6.0078595
DPCD	9.248452	9.1129745	9.236121	9.2756265	8.7273255	9.537349	8.3555845	8.8744205	8.3256495	7.827213	9.6137905	7.787198
C10orf95	5.142758	4.880899	4.81214	4.958899	5.084426	4.645283	4.754015	4.80254	5.120439	4.348263	5.171548	4.620265
C10orf82	4.376048	4.757174	4.330581	4.627028	4.453964	4.218856	4.060102	4.164518	4.081254	3.900518	4.226019	4.011897
WDR11	8.201134	7.1737535	7.451211	7.608362	7.380866	7.646122	7.874386	7.4585475	7.899855	10.1357645	8.47388	9.6149535
C10orf88	7.2215775	6.729125	6.734458	7.143682	6.9923235	7.223781	7.189548	7.013671	7.3994925	6.9563085	7.08553	7.148491
MIR4296	3.837473	3.703409	3.884892	3.284606	3.287466	3.703544	3.637618	3.352722	3.145275	3.611884	3.397159	3.81152
LOC283038	2.81473	2.620895	2.859426	3.105046	2.935849	2.86306	2.599972	2.963764	2.800515	2.837623	2.896604	3.130523
C10orf90	4.619003	3.506066	4.462328	5.16949	2.985845	3.185274	3.089708	3.06658	3.213691	2.950375	3.213151	3.509606
C10orf91	4.06074	4.718407	3.983357	4.064881	3.930415	4.352889	3.931702	4.0902	4.108513	3.747517	4.118363	3.951751
SPRNP1	4.946071	4.725626	5.087344	4.590339	4.842522	4.719085	4.691142	4.664872	4.705749	4.809316	4.730185	4.586047
CDHR5	4.65591	4.5972	4.436169	4.283768	4.328518	4.274726	4.222282	4.095929	4.078153	3.917748	4.065743	4.077247
MOB2	7.541187	7.608275	7.286694	7.458432	7.406963	8.039065	7.470645	7.280214	7.659409	7.346589	8.152928	7.493168
FAM99B	4.208448	4.223184	4.21009	4.320174	4.227718	4.114353	4.208448	4.03183	3.935076	4.279821	4.368196	4.394328
C11orf21	4.125596	3.999212	3.9174435	4.348517	3.9772975	3.757625	3.985204	4.131829	3.812306	3.61866	4.0024295	3.6654275
PGAP2	7.077716	7.2632355	7.786679	7.79391	7.8542725	8.0191935	8.011885	7.7689865	8.379597	8.517722	8.7690425	8.579352
C11orf40	2.682681	2.833074	3.11154	2.591834	3.016977	3.001049	2.851681	3.065003	2.920312	2.954339	3.011752	2.745848
C11orf42	4.259353	4.497203	4.091452	4.95717	4.29959	4.533645	4.606144	4.497203	4.116654	4.065812	4.274599	3.973009
GVINP1	3.454664	3.3624725	3.4046375	3.270671	3.2985865	3.2856215	3.352165	3.22839	3.28577	3.2177375	3.1706705	3.2560905
OR5E1P	3.481763	3.446501	3.242189	3.523508	3.564649	3.252781	3.3803	3.623161	3.493412	3.36496	3.499184	3.424525
C11orf16	5.963979	6.198176	6.233506	6.373646	6.195414	5.803186	5.895162	6.201748	5.910027	5.775406	5.892325	5.719471
C11orf58	8.34799	7.971959	8.501762	8.603945	8.551785	9.347437	9.000172	8.475073	8.942692	9.015663	8.709845	9.327061
SAA3P	4.166261	3.937119	3.867584	3.786224	3.877506	3.91962	3.868934	3.722442	3.927046	3.789068	3.865323	3.676057
PRR5L	5.5749255	5.6207845	5.516747	5.482786	4.4771715	5.4540605	4.8574845	4.4125435	5.554022	4.372699	5.0450715	4.275716

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
C11orf74	7.154161	7.382019	7.180556	7.262096	7.351532	7.090042	6.867475	7.470039	7.890687	7.146806	7.267114	6.918134
C11orf96	8.357396	7.739091	7.664008	9.321577	3.758974	6.505112	3.792263	3.963661	9.782323	6.363909	7.062488	7.043075
C11orf94	5.019813	5.20732	5.166976	5.545061	5.422377	5.609465	5.219346	5.653687	5.445907	4.844794	5.444623	5.110477
ATG13	7.7259725	7.8184845	7.9758605	8.0369795	8.1388175	8.276674	8.022798	8.1089615	7.78751	7.4826635	8.1873925	7.7662265
C11orf49	6.763612	6.7812285	6.7385625	6.7692935	6.4882835	5.546119	5.9104635	6.612044	6.778511	6.246086	6.5703235	6.3281145
CELF1	7.322981	7.736707	6.833957	6.797345	7.704893	8.272976	7.937747	7.600998	7.300995	6.779265	7.048688	6.421144
OR5AK4P	3.550667	3.9777105	3.740288	3.516565	3.665217	3.6513155	3.547504	3.635991	3.4881215	3.4213	3.55274	3.2299885
TMX2	9.454084	9.07653	9.180881	9.426814	10.50179	10.60501	10.81707	10.48949	9.886073	9.496515	10.65274	9.557471
BTBD18	3.490138	3.407162	3.658301	3.404425	3.881602	3.752319	3.806683	3.928162	3.807841	4.588898	3.851293	4.889626
LOC283194	5.825295	5.891477	5.862556	6.040897	6.080569	5.697734	5.983863	6.197626	5.764984	5.771383	5.879061	5.462034
CPSF7	8.942603	9.54978	9.715451	9.34374	8.900867	8.827463	9.11157	8.762935	9.287792	9.567215	8.955812	9.434834
LRRC10B	5.230672	4.995229	5.126432	4.480571	5.328287	5.144111	5.242596	5.384085	5.290236	5.605957	5.531996	5.253391
TMEM223	4.534816	5.011741	4.607544	4.54093	4.857557	4.9403345	5.2572255	5.01492	5.06149	4.623502	5.0734745	5.016757
C11orf95	6.906589	6.624133	6.5863445	6.466511	6.921949	7.0816545	6.855008	6.6144145	6.2585365	7.051104	7.3348285	7.1372545
NAA40	6.9229005	6.3004565	7.2882615	7.432726	7.892153	7.0683915	7.9011	7.766881	7.8926275	7.667614	6.858666	7.8359645
C11orf68	9.60143	9.37214	9.053953	9.442664	8.141681	8.117013	7.716477	8.333089	9.646559	8.414859	9.211311	8.067433
C11orf80	4.270872	3.657607	4.2060185	3.971818	3.243189	3.312638	3.471508	3.2675055	4.5530895	3.904494	3.69424	3.605163
C11orf86	5.750524	6.32315	5.840419	5.567495	5.76859	5.537508	5.415015	5.845582	5.48666	5.665924	5.958524	5.361863
KDM2A	7.925176	7.997467	7.476176	7.620218	7.449589	7.489889	7.297248	7.393522	6.918558	7.334127	7.635415	7.328081
CARNS1	4.963592	5.178767	5.251935	5.145084	4.862231	4.564671	4.580512	4.690605	4.678516	4.739905	4.915594	4.749621
C11orf24	8.8298705	8.8530655	9.1763625	9.3268835	8.579537	9.5782355	8.75713	8.5039555	8.159003	8.075344	8.9430915	8.054457
PPP6R3	6.788776	6.751662	6.945109	7.251086	7.456819	7.443642	7.523561	7.460396	7.469379	7.557534	7.203734	7.675878
C11orf54	7.426238	7.748192	7.669731	7.262577	7.353331	7.987706	7.157703	7.207156	8.42046	7.521448	7.525958	7.724672
SRSF8	6.376143	6.565081	7.026991	7.456463	7.712814	8.648749	8.604154	7.496874	7.828611	7.332144	8.246644	7.251508
ARHGAP42	3.910786	3.309701	3.423322	4.337717	5.0424985	5.2539105	5.5295085	4.97367	4.7131775	5.2377	4.4395965	5.4916075
C11orf65	2.814616	2.675966	2.522758	2.736811	2.655897	3.376875	2.603519	2.82365	2.471234	2.730801	3.354178	2.770395
C11orf87	2.740559	3.104454	3.205199	5.686193	3.423271	4.141335	2.875112	3.590749	2.877079	2.879355	3.94598	3.115568
C11orf53	5.831658	5.75934	5.660612	5.953176	5.891808	5.564441	5.738294	5.775285	5.349861	5.570296	5.550298	5.55514
C11orf88	2.932642	3.321041	3.397697	3.26949	3.315024	2.980193	3.172058	3.426286	3.204523	3.097085	3.487874	2.424125
C11orf1	5.5441415	5.736652	5.6656215	5.4870325	6.496815	6.41253	6.607198	6.634128	6.8034295	6.7490785	7.2537785	7.0679935

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
C11orf71	5.9114325	5.3722235	4.904395	5.6924405	7.355023	7.629818	7.433236	7.278241	6.242693	6.557705	6.7983675	5.808877
IFT46	8.431999	7.989709	8.219179	8.352003	8.545012	8.244947	8.089911	8.509774	8.697547	7.730038	8.466878	7.935878
C11orf45	4.125016	4.536579	3.884961	5.004748	3.972958	4.028237	3.554751	3.999378	4.970356	3.44997	3.237581	2.599331
ARHGAP32	5.6438725	5.713309	5.140677	5.146254	6.359979	5.4199155	5.139785	6.2642725	5.71104	5.8758355	5.253806	4.6379035
LOC283177	5.669579	5.7926375	5.747761	5.5098385	5.650199	5.3005885	5.5224065	5.6453585	5.433271	5.2712055	5.3303065	5.2921245
LOC574538	2.98139	3.484621	3.019333	3.210256	2.965622	2.883876	2.962041	2.823575	3.144672	2.807778	3.132526	3.016408
C12orf4	7.338997	7.191539	7.478056	7.5279185	7.76138	7.901554	8.1496805	7.8201305	8.210481	7.6728205	7.6907435	7.6212015
DSTNP2	7.083078	7.083383	6.984541	7.13699	7.426264	7.77698	7.661269	7.772202	7.304058	5.881779	7.430453	5.747389
C12orf57	10.6196	10.65507	10.64697	10.54538	10.64947	9.157625	10.57204	10.41233	11.2118	10.73214	10.14228	10.43148
NANOGNB	2.777449	2.570917	2.699501	2.595965	2.636483	2.362032	2.591465	2.506133	2.492375	2.538178	2.664779	3.565093
POU5F1P3	4.816851	4.62838	4.676416	5.042838	11.46889	11.67992	12.18942	11.41414	4.508263	11.64441	11.43519	12.15434
FAM66C	2.908015	2.979754	2.964786	2.793588	2.908297	2.860043	2.905032	2.908395	4.002631	2.816415	3.161887	2.738843
HTR7P1	5.1061835	4.5921425	5.0086835	5.3858755	4.5104555	5.4967135	4.6949925	4.638348	5.9442825	4.578892	5.51944	4.471195
PLBD1	3.942837	4.481156	4.7035935	4.478672	6.3221395	8.1863765	5.2436155	6.3753795	5.0172185	5.3446235	8.1079425	6.470578
C12orf60	3.6833115	3.739348	4.029776	4.3782295	4.7635215	5.262693	4.529083	4.6307125	4.95996	4.131843	4.8278615	4.337823
C12orf77	2.835616	2.702001	2.678705	2.879456	2.817158	2.978605	2.810149	2.835013	2.854743	2.8588	3.138129	2.517419
BHLHE41	4.2621585	5.435367	4.146166	3.9976505	4.458262	5.2944165	4.1549725	4.690665	5.9155225	4.164979	4.919001	4.337323
C12orf40	2.646527	2.599342	2.775151	2.535428	2.619465	2.632364	2.653803	2.6217635	2.5872065	2.565791	2.656525	2.6037075
RACGAP1P	3.118421	3.36388	3.179151	3.136256	3.042319	3.154986	3.265177	3.02099	2.90892	3.08656	3.424106	2.81724
ENDOU	4.367129	4.217262	4.006872	4.16769	4.564744	6.124779	4.193188	4.84703	4.069106	4.097746	5.008727	3.676058
C12orf54	2.950263	3.388951	2.855595	3.082325	2.941479	2.931014	3.038498	2.941525	2.986533	2.878699	3.001605	3.085827
NCKAP5L	5.0423055	5.1111755	5.12108	5.0668925	5.0115515	4.9010545	4.7896515	4.963736	4.839561	5.035385	5.001419	5.2124965
FAM186A	2.6768945	2.68111	2.658469	2.467641	2.879601	2.5944305	2.5814325	2.885717	2.6996645	2.721228	2.6903965	2.406266
CELA1	5.250788	5.363663	5.592506	5.520009	5.603079	5.434283	5.374516	5.437039	5.499737	5.356235	5.371585	5.089485
LOC283335	4.846078	4.879591	4.956257	4.536742	4.802145	4.634066	4.769941	4.680271	4.478998	4.389279	4.532907	4.699823
C12orf10	8.102211	8.375998	8.039407	8.506305	8.562149	8.084301	8.730374	8.629436	8.07853	8.767035	9.15181	8.88055
FLJ12825	3.764579	3.96541	3.994515	3.93481	4.175041	3.729868	3.870321	4.095326	4.061924	3.845165	4.280423	3.388704
LOC100240734	3.674162	3.747057	3.760524	3.83986	3.763033	3.924455	3.962193	4.248706	3.690255	4.065379	3.770936	3.577015
SARNP	8.2257625	8.1870295	7.930782	8.2714675	8.4552975	7.7244985	8.3084705	8.44501	8.5022075	7.977047	8.385149	7.8075525
ARHGEF25	5.930453	5.897894	5.749272	5.745009	6.320239	6.007794	6.309852	6.247281	6.080369	6.288503	5.405509	5.759957

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C12orf66	6.001849	5.217781	4.794305	5.904273	5.746588	6.861677	6.192684	5.726847	6.392283	5.627486	6.623738	5.109394
C12orf56	5.140847	4.49454	4.378809	4.548914	4.053899	5.231308	3.415802	4.171738	3.765897	3.371139	4.884021	3.687006
ATXN7L3B	7.9946295	8.3127845	8.0063725	7.5803	8.839787	8.949573	9.016781	8.790528	8.53121	8.000191	8.2943795	8.4922485
C12orf50	2.881867	2.810875	2.820112	2.960401	2.73337	3.466171	2.793982	2.775601	2.862622	2.832359	3.028623	2.591286
C12orf29	8.4031545	8.7468745	8.712994	8.450449	8.478531	9.358996	8.7804785	8.312758	8.868149	7.768978	8.6206625	7.537358
POC1B	6.845489	6.666951	6.656518	7.421198	6.822303	7.001312	6.840782	6.617159	7.241259	6.588454	6.865194	6.549157
C12orf74	2.615615	2.653654	2.544155	2.744632	2.48365	2.50104	2.621065	2.661258	2.626106	2.469859	2.567716	2.515302
KRT19P2	4.106526	4.212749	3.960176	4.144731	4.455338	4.5873	4.353247	4.449927	4.707968	4.580902	4.646704	4.334004
CDK17	8.4592965	7.967713	8.190125	7.7588475	7.5715155	7.024404	6.8822085	7.733268	7.563375	6.9769045	7.210866	5.949616
C12orf42	3.703553	3.9168235	3.879364	3.929333	3.745988	3.8005505	3.739949	3.888572	3.51697	3.602129	3.766486	3.405658
C12orf73	6.918909	6.391443	6.2179205	6.347614	6.9773555	7.6341465	7.4781495	7.0337175	7.2097215	6.9229885	7.3061605	7.0010845
C12orf45	7.309377	7.52249	6.927775	7.45427	7.826547	7.879263	8.340021	7.736964	7.18735	8.157068	9.042574	8.307438
C12orf75	11.62265	11.86314	11.28966	11.71511	9.067723	10.6533	10.80906	9.378242	9.418478	9.055341	8.9319	8.680065
C12orf76	5.404852	5.858661	5.597696	5.467188	5.764081	5.798148	5.828921	5.556883	6.128552	6.208541	6.117982	5.704972
NAA25	6.991134	6.379802	6.93911	7.02097	7.268679	8.320535	8.030285	7.185649	7.423572	7.679873	7.474624	7.914736
PLBD2	6.9455445	7.5459965	7.5527975	7.4522685	7.652676	8.019236	7.0996945	7.5487675	7.530374	7.160772	7.602624	7.1670285
C12orf49	6.783018	6.219165	6.565056	7.002281	7.318157	7.551386	7.591382	7.385288	7.639249	6.368237	7.107064	6.155072
VSIG10	5.712834	5.525585	5.969622	6.375543	6.204568	6.481123	6.785152	6.204712	6.461654	6.234621	6.374637	6.022856
C12orf43	7.539431	7.501293	7.621129	7.768692	7.269125	7.57555	7.74931	6.98377	8.210866	7.163229	7.564028	7.170862
C12orf65	6.871174	6.776283	6.401426	6.726476	6.753072	7.187358	7.115467	6.458891	7.456078	7.020109	7.573426	7.103826
SFSWAP	6.9595325	7.243197	6.835278	6.417704	7.2702315	7.524528	7.7119465	7.2047815	7.1302715	7.8104835	7.519442	7.729423
FBRSL1	5.958216	6.553713	6.090379	6.134423	6.103617	6.170674	5.645683	5.756579	5.857884	5.757446	6.169921	5.811799
PHF2P1	2.529123	2.762065	2.553047	2.647151	2.791397	2.541569	2.487338	2.409195	2.721846	2.63134	2.676503	2.344392
SKA3	7.614713	7.34953	7.317411	7.801112	7.212132	5.90889	8.079927	6.884568	5.576239	6.929995	6.663832	6.816384
NAA16	6.3272985	5.9840195	6.604968	6.187706	7.01363	6.785873	7.3850035	6.8453375	6.2074765	7.083508	6.2267875	7.0835035
LPAR6	4.6811155	4.4906055	4.9298195	4.5943445	4.995947	3.912731	3.0568	4.9741865	4.826902	2.8759635	4.160721	4.1074025
TPTE2P2	2.778725	2.5876	2.407127	2.48019	2.505269	2.333044	2.525371	2.63951	2.550169	2.613988	2.377265	2.512226
MZT1	7.071781	6.2824355	6.7005575	6.8543335	8.0138805	7.640427	8.6958725	8.004975	7.0680545	7.252158	7.1796855	6.8169275
CTAGE11P	3.82416	3.900304	4.160319	4.455354	4.065913	4.02944	4.100823	4.065913	4.446528	3.728584	4.292454	4.241065
BTF3P11	2.583347	2.871774	2.727772	2.845484	2.826064	2.978218	2.654981	2.737286	2.713222	2.505198	2.844425	2.645467

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MIR622	3.444108	3.717188	3.503019	3.691251	3.447014	3.797856	3.457545	3.388885	3.484869	3.310387	3.660061	3.329808
MIR17HG	2.449486	2.578838	2.504405	2.362216	2.401665	2.343539	2.353438	2.393093	2.293273	2.22038	2.588044	2.395
UGGT2	4.118757	4.013317	4.274678	3.994248	4.143346	3.697106	4.378123	3.854828	3.968198	5.651073	4.406147	4.850764
PNP	8.525434	7.447569	7.736403	8.386571	9.498732	10.35682	9.49737	9.496199	8.445075	8.178546	10.71519	8.508923
EDDM3A	2.554735	2.664676	2.615633	2.572104	2.79595	2.634785	2.665676	2.510962	2.469829	2.617874	2.883094	2.612969
EDDM3B	2.717843	2.486627	2.424496	2.549393	2.371283	2.459421	2.487566	2.201183	2.399127	2.519382	2.437463	2.376442
ECRP	4.202702	4.105821	4.342854	4.449755	4.345293	4.28275	4.202829	4.28788	4.15784	4.330063	4.225951	4.286129
ARHGEF40	5.9202885	6.342728	5.792822	5.788332	5.2105625	4.4757085	4.322715	5.108967	5.572873	5.7170605	5.293563	5.460134
C14orf93	4.925487	4.910479	5.072604	5.14607	5.332251	4.818097	5.348479	5.333899	5.359841	5.995258	5.513857	6.17497
C14orf119	10.49965	10.20881	10.40089	10.56775	10.9298	11.28237	10.41231	10.95296	10.73092	9.656881	11.33572	9.656485
DCAF11	6.9547455	7.045371	7.202091	7.342659	7.802596	6.749622	7.541455	7.580841	7.204144	7.055829	7.1823845	6.9802005
FITM1	3.969527	4.57699	4.454986	4.108003	3.885098	3.812363	4.465881	4.035431	3.8663	4.305533	4.151682	4.218104
G2E3	7.422432	7.605433	7.31053	7.275888	7.992938	7.572538	8.269938	7.773139	6.406437	7.402233	6.205054	7.198034
C14orf28	7.153053	6.572587	6.902772	6.5059425	5.4003795	5.287967	4.945666	5.3518875	6.170544	5.592458	5.5494515	5.2366355
ATG14	7.831591	7.756555	7.724584	7.782755	7.789721	7.909616	7.237433	7.834164	8.376979	7.400878	8.27915	7.717674
NAA30	3.877809	4.117999	4.107457	3.9707615	3.7899325	4.2753225	3.9230515	3.9151445	4.2417885	3.644074	3.890759	3.724082
JKAMP	8.8541595	8.6685805	8.576952	8.799842	8.8048675	8.770935	8.817646	8.831726	9.2632145	8.3621665	8.7805065	8.3637635
C14orf39	2.729439	2.342411	2.599792	2.4784	2.567453	2.595087	2.476388	2.649867	4.574637	2.970716	2.714191	2.974835
DCAF5	6.02104	5.660877	6.193171	6.477318	6.334778	6.362435	6.392981	6.233905	7.105499	6.338362	6.284571	6.29841
SRSF5	9.247957	9.713959	9.912619	9.198172	9.258959	9.493395	9.326115	9.277584	10.5651	9.950778	9.638102	9.983635
LOC145474	3.592695	3.369366	3.851945	3.636996	3.46999	3.266859	3.225577	3.559588	3.320128	7.447793	4.390469	6.78192
DCAF4	6.3702385	6.2145685	6.202132	6.002376	5.984576	6.0499235	6.4478965	6.0163045	6.0291635	5.9718565	6.208673	6.1324675
C14orf178	6.189134	6.460862	6.479474	6.268795	6.411239	6.069568	5.907053	6.315946	5.866459	5.681802	6.027903	5.585012
C14orf132	9.070523	9.171155	9.10018	9.1384155	8.377175	7.403583	8.178733	8.0610485	9.4054205	8.8440915	6.833642	8.3399495
CCDC85C	5.732699	6.0081665	6.068055	6.361958	5.9519365	6.685105	6.459225	5.7838185	5.9723965	6.219489	6.238608	6.257155
SLC25A47	4.671366	4.542747	4.214534	4.430408	4.158118	4.206729	4.162474	4.110896	4.059038	3.940867	3.98132	4.142711
C14orf180	5.929516	6.2675725	5.952463	6.035025	5.848243	6.087428	5.9252805	5.9199715	5.9479985	5.8414565	5.8831025	5.622304
HERC2P3	2.898197	3.067696	2.792648	3.623412	2.971296	2.77171	4.759387	3.156486	3.099282	5.062297	3.161475	2.831022
GOLGA8IP	4.767892	5.049295	5.000052	5.23455	4.8516	4.505858	4.552683	4.786005	4.875922	4.823353	4.999373	4.83941
HERC2P7	3.9962995	3.91217	3.9531165	4.088835	3.891794	3.978285	3.7542215	4.022717	4.070949	3.6300605	3.9397305	3.9927005

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
FAN1	7.1233655	6.941311	7.108046	7.306529	7.3107715	7.2555605	7.631062	7.1628705	7.5085705	7.813736	7.797702	8.1070875
C15orf41	5.17155	6.087081	5.616751	6.102836	5.734313	5.443864	5.659728	5.65121	5.929501	5.271744	5.290755	4.515756
CSNK1A1P1	2.902977	2.986985	3.124427	3.253245	2.998587	2.91496	2.573958	2.868177	2.73753	2.656942	2.568729	2.470079
C15orf54	2.999621	2.728408	3.363031	3.477181	3.074311	3.890253	2.869383	3.482035	2.664779	3.066997	3.077495	2.803749
C15orf56	3.567914	3.780297	3.466589	3.548819	3.27554	3.565094	3.505395	3.516734	3.41489	3.477581	3.640975	3.466589
PHGR1	4.171355	4.592452	4.21009	4.207821	4.21009	4.275766	4.289433	4.101348	4.2964	3.900518	4.304647	3.985713
C15orf62	4.0680855	4.0377385	4.1938175	4.0975275	4.069948	4.083188	4.039946	4.3465365	4.0732155	4.046888	4.451127	4.0500375
HAUS2	7.2077965	7.282622	6.81615	7.373624	7.43781	7.4661475	7.63377	7.326467	7.52958	6.991214	7.235597	6.9886875
PPIP5K1	5.098159	5.404946	5.590615	5.587554	6.1133945	6.1880725	6.0254985	5.98759	6.1279225	5.925558	5.8909595	5.692654
C15orf48	5.049957	3.926692	3.722301	5.396747	8.025312	10.97635	10.86945	8.884625	8.629085	6.642917	9.077091	4.61604
C15orf61	8.686831	8.842369	8.803782	8.690607	8.745371	9.340878	9.004388	8.569391	8.752133	8.697981	9.143957	8.722252
CT62	3.710828	3.591078	3.96596	3.602026	3.595469	3.247123	3.461479	3.568215	3.443125	3.303027	3.364752	3.287479
CELF6	3.465406	3.753645	3.966406	3.504238	4.522228	3.805579	4.282689	4.054011	5.019369	4.764668	5.29898	4.774382
LOC283731	2.572836	2.725554	2.483282	2.483282	2.61886	2.509687	2.61886	2.821344	2.487155	2.893773	2.733989	2.491163
C15orf39	6.377813	6.757296	6.64624	6.288755	6.315762	6.675226	6.39284	6.080369	6.112618	5.783525	6.825378	6.353451
MIR4313	3.351302	3.476604	3.109347	3.756778	3.603471	3.233674	3.562247	3.42017	3.66647	3.410213	3.48462	3.450652
LOC91450	4.229344	4.738805	4.594369	4.193474	4.442721	4.597268	4.726878	4.568004	4.537817	4.978385	4.681118	4.460677
C15orf40	4.419981	4.614733	5.099296	5.2172315	5.532148	5.8959075	5.9798865	5.5216225	5.736436	5.8402075	5.8789455	5.419209
DNM1P41	4.856519	4.777738	4.71939	4.844613	4.67259	4.445788	4.629733	4.746633	4.60858	4.576708	4.488193	4.53676
PLIN1	5.423456	5.446725	5.523297	5.499964	5.690967	5.295571	5.57159	5.46397	5.757574	5.538277	5.767788	5.585013
GABARAPL3	3.394594	3.407873	3.387843	3.237154	3.471192	3.352652	3.618125	3.406351	3.251798	2.970065	3.36587	3.417234
C15orf32	3.261538	3.147675	3.076652	3.117628	3.446119	3.286441	3.295793	3.3242	3.357104	3.210027	3.299078	3.319161
NPRL3	6.742263	7.145816	6.2676345	6.6698015	6.708516	6.882979	6.6561665	6.5936415	6.3965455	6.322421	6.2946585	6.2496815
TMEM8A	7.900473	7.679005	7.882037	8.0910545	7.3802945	6.789737	6.630302	7.273422	7.7258445	7.4877875	7.31547	7.1203425
C16orf91	7.59094	7.511963	7.767429	7.613893	8.214776	9.458508	8.365389	8.200527	7.816199	7.637707	8.971851	7.435112
CCDC154	5.511549	5.848313	5.968698	5.532385	5.37994	5.613096	5.447001	5.502949	5.519378	5.673672	5.745556	5.31175
ABCA17P	3.655947	3.743395	3.766821	3.637966	3.604725	4.409951	3.658491	3.536202	4.770254	3.94504	4.09895	3.75384
ZG16B	4.814583	4.922014	4.685353	4.917256	4.734521	4.564095	4.564095	4.668748	4.789555	4.427173	5.220239	4.528585
PRSS30P	4.733297	5.340306	5.517775	4.991937	5.555376	5.161149	5.03496	5.222617	5.192029	5.005252	5.159656	5.12932
SLX4	6.3822955	6.300398	6.340223	6.3329215	6.186185	6.3482525	6.377238	6.3638325	6.313468	6.50797	6.5126245	6.3195535

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
PAM16	6.763288	7.740823	6.890189	7.447941	7.868416	8.768756	8.138698	7.725236	7.352143	7.768009	8.320684	8.173946
C16orf71	5.42915	5.562303	5.618752	5.431445	5.508914	5.37822	5.28317	5.296302	5.317421	5.351817	5.620378	4.985972
GLYR1	6.739844	7.187753	6.8481415	6.6399655	6.718255	6.826466	7.1358515	6.6297625	6.095051	6.6050005	6.450771	6.634576
C16orf89	4.813895	4.783485	4.14719	4.506284	4.783396	5.06552	4.955832	4.97579	4.694372	4.752333	4.599493	6.299206
RBFOX1	5.019483	5.091942	4.833187	5.196505	4.953629	4.615784	4.836717	5.063025	4.757462	4.99302	4.865543	4.70438
TMEM114	5.326925	6.043924	5.308579	5.167341	5.021519	5.343267	5.083403	5.609502	5.265123	4.933094	4.966591	5.054781
C16orf72	9.013556	9.067232	8.740906	8.547378	8.911441	9.080231	8.823982	8.893235	8.710497	7.406847	9.264686	7.389075
SHISA9	3.3141945	3.6072565	3.352448	3.434101	3.388222	3.4252225	3.4695355	3.474453	3.3801295	3.298665	3.506046	3.3104795
RRN3P1	4.806116	4.393897	5.177792	4.283634	5.098449	5.287846	4.952283	5.0238	4.849918	5.709598	5.298748	5.066791
PDZD9	3.287798	3.134556	3.439431	3.300456	3.252768	3.189112	3.136003	3.205982	3.407466	3.536306	3.33374	3.200523
RRN3P3	5.0457055	4.25741	4.9296495	5.095753	4.9984555	5.1253095	5.2241045	5.0816395	5.0504015	4.972031	5.215034	5.34234
C16orf82	4.179627	4.407716	3.81305	4.436643	4.209383	3.88801	4.103033	4.3063	3.921404	4.371094	4.131046	4.062659
C16orf54	2.238738	2.190588	2.161	2.195147	2.235046	2.174245	2.093699	2.161	2.232663	2.13946	2.293273	2.135432
C16orf92	5.127244	5.18527	5.146073	5.180091	5.292915	5.170208	5.30907	5.122158	5.228527	5.271864	5.471178	5.054781
PRSS53	6.084	6.622831	6.489663	6.009358	5.741495	5.642291	5.695826	6.035068	6.422552	6.139715	6.372855	6.175443
C16orf58	7.740187	8.228666	7.965609	7.665578	6.206017	6.290362	6.392802	6.26675	6.158163	7.192802	6.294617	7.293711
ORC6	8.916132	8.363086	8.625353	8.806314	9.043028	7.208503	9.724194	8.681034	8.316748	9.245373	7.908727	9.383492
C16orf87	5.0087335	4.6056495	4.839567	4.9905705	5.053389	5.048452	5.267091	5.2030615	5.505232	5.0112825	5.0633125	5.138341
C16orf78	3.964918	3.918623	4.011278	3.964918	3.841115	3.665987	3.960359	3.893767	3.755604	3.781823	3.484621	3.613597
CRNDE	9.367417	9.354585	9.406173	9.563869	7.023975	7.6483125	8.9068685	6.641918	8.7403205	8.527408	9.390714	7.166342
CES1P1	4.548715	4.630256	4.669203	4.343975	4.186263	4.107141	4.094568	4.261882	4.251785	3.655547	4.233234	4.035124
CES5A	3.685368	3.598913	3.74146	4.184443	3.715184	3.953309	3.368441	4.024258	3.831656	4.222058	4.164895	3.923351
LOC283856	3.697983	3.249696	2.972396	3.654185	3.514697	3.149591	3.798419	3.757667	3.499533	3.477649	3.417431	3.444596
DKFZP434H168	4.168109	4.559356	4.21009	4.116992	4.318872	4.121148	4.098708	4.201601	4.151679	4.225513	4.243603	4.318239
FAM192A	8.2210605	8.048158	7.9195795	8.2076165	8.404505	8.244493	8.662284	8.443856	8.428545	8.36075	8.691275	8.468569
PRSS54	3.84802	3.735085	3.598538	3.546677	3.60339	3.537919	3.492587	3.490039	3.658351	3.791774	3.54804	3.468896
BEAN1	5.105536	7.087159	6.417156	5.963892	4.157465	3.920205	4.232577	4.138065	4.242115	3.298117	3.910387	3.715436
CES4A	5.527887	5.442245	5.763632	5.614741	5.792089	5.429071	5.766716	5.864184	5.776209	5.768186	5.669611	5.98023
C16orf70	5.945001	5.742597	5.6633315	6.032125	5.848389	6.0744945	5.936278	5.9818245	5.9538025	5.718412	5.900643	6.137019
C16orf86	6.048824	6.271519	6.221787	6.080369	6.142883	6.052696	6.096272	6.255812	5.610578	5.566501	6.345513	5.874591

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
CLEC18A	3.808814	4.132548	4.538538	3.766619	4.195188	5.054407	4.0053	4.157828	4.304637	4.306464	4.613503	3.994249
C16orf46	5.4123235	5.2583095	5.4450935	5.462154	5.672998	5.977029	5.457216	5.630377	5.623338	5.728492	5.9339195	5.5684105
C16orf74	6.324211	6.970538	6.508094	6.855347	5.961292	5.706786	5.707536	5.972667	6.47287	5.3853	6.023897	5.483319
C17orf97	7.194077	7.168806	7.091988	7.077859	7.709657	6.202937	7.325556	7.650251	7.673086	7.010939	7.944495	6.04803
TLCD2	4.990432	5.128324	5.9330735	4.6694365	4.5987435	4.759694	4.208618	4.5225775	5.8046825	6.303522	4.859377	6.2229725
RAP1GAP2	6.745517	6.067384	6.696628	5.924168	4.985737	5.785214	4.645164	4.996228	5.5609	5.199981	7.741549	6.937543
LOC728392	7.975527	7.62911	7.462757	8.48366	7.773277	4.775217	6.535787	7.640193	7.629342	8.77783	7.372863	7.144528
C17orf100	5.647018	6.018975	5.706321	6.109903	5.611461	5.462651	5.325089	5.786971	6.561593	6.014454	5.421708	5.874467
WRAP53	6.974384	7.1464365	6.8953175	7.2136655	7.3426	7.4783355	7.7291095	7.2933645	7.2096815	7.1641785	7.3552165	7.1217355
SHISA6	2.671198	3.121546	3.196889	2.79598	3.523143	3.039215	3.026045	3.48723	2.871309	2.789723	3.246933	3.849985
ARHGAP44	5.6309475	5.451302	5.5202175	5.376212	4.9651725	5.235256	5.032002	5.016294	5.553559	5.525841	4.926496	6.221213
MGC12916	4.974754	4.840855	4.750762	4.561276	3.999109	4.008105	4.112772	3.70681	4.369923	5.451702	3.802987	3.901282
EVPLL	5.240881	5.499547	5.42517	5.380417	5.194834	5.203923	5.381213	5.129485	5.03836	5.107493	5.220239	4.965903
GRAPL	4.2821345	3.9799905	3.869929	3.836062	3.499332	3.5240555	3.570936	3.5434115	3.623106	3.405665	3.5430745	3.584768
LRRC37BP1	4.574196	4.439193	4.584579	4.257484	4.013992	4.162516	3.970367	4.08335	4.672158	4.349861	4.28717	4.297209
SH3GL1P2	4.321539	4.414025	4.208665	4.254313	4.17705	4.467912	4.54142	4.178341	4.687175	4.217867	4.443361	4.206141
SH3GL1P1	2.51316	2.397437	2.469495	2.326069	2.43742	2.332629	2.403367	2.365376	2.281397	2.399877	2.405807	2.47962
C17orf75	6.603985	6.216112	6.362681	6.910531	6.811639	6.799026	7.31578	6.767078	7.451443	7.097899	7.31998	7.314492
C17orf50	4.917198	5.189776	4.554358	4.984877	4.646376	4.502667	4.408154	4.634065	4.644679	4.537817	4.633057	4.572726
C17orf78	2.96368	3.251982	3.146682	3.233558	3.318408	3.001049	3.038871	3.048105	3.048105	2.937616	3.336684	2.915478
SYNRG	6.969374	6.63755	6.473243	6.818278	6.665889	6.863884	6.37556	6.693693	6.747321	6.272308	6.758216	6.019889
SRCIN1	5.109966	5.372531	5.363363	5.592629	5.6258	5.416854	5.636566	5.756081	5.644066	5.315359	5.546022	5.375296
CWC25	6.6067345	6.505417	6.876355	6.5835615	6.679131	6.576937	6.6187435	6.668423	6.807143	6.2816255	6.8336795	6.459879
C17orf98	2.659884	2.856263	2.711433	2.739294	3.057554	3.16046	2.804734	2.974023	2.990883	2.856263	3.466269	2.931014
CDK12	7.06454	6.658436	6.865455	7.282411	7.351633	8.244986	7.531448	7.459202	7.297679	7.032867	7.491374	7.006002
KRTAP4-9	4.102704	3.683311	4.126588	4.383198	3.827379	3.904222	3.579415	3.931941	3.607218	3.508118	3.836973	3.825722
KRTAP9-9	2.538855	2.498478	2.641082	2.779384	2.456962	2.673282	2.588303	2.548603	2.720602	2.541142	2.691946	2.565581
C17orf53	6.780154	6.896516	6.654417	6.45888	6.05889	5.973071	6.066566	6.027439	6.122538	5.782365	5.827798	5.828809
FAM171A2	4.748927	5.108085	4.578115	4.7179	4.776079	4.405437	4.711558	4.896465	4.678516	4.327821	5.069426	4.434653
LUC7L3	7.673874	7.5526735	7.7680945	7.0409215	8.6506785	7.8710505	8.7517225	8.487996	7.923147	9.153386	7.6536915	9.260129

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
C17orf67	5.445191	5.355824	5.709544	5.016291	4.522066	4.575831	4.658662	4.789501	4.949705	4.503815	4.627933	4.554063
SRSF1	10.084	9.833712	9.666631	9.68862	10.53367	9.724108	11.15416	10.24461	9.048976	9.640722	9.991041	8.962875
C17orf64	3.609038	3.837247	3.565093	3.705605	3.728057	3.722489	3.798157	4.005803	3.505147	3.75349	3.486509	3.678553
C17orf82	6.767078	7.232766	6.76708	7.002054	7.258221	6.987937	6.989357	7.119579	6.958156	6.728007	7.047457	6.55687
TCAM1P	2.920332	2.903337	2.857069	2.757179	2.472911	2.579201	2.551007	2.701429	3.570053	2.457669	2.790834	2.710835
AMZ2P1	6.752348	6.893451	6.927775	7.29038	7.095891	7.370739	7.130849	7.128442	6.767896	6.948823	8.085491	6.516666
C17orf58	7.81554	7.966034	8.12067	8.05065	7.208079	8.748093	8.819926	7.170825	8.044683	8.85894	8.986176	9.097656
C17orf80	6.689776	6.435477	6.014781	5.98868	6.852941	7.004481	7.215268	7.019829	6.893298	5.453755	6.023808	5.025684
MGC16275	6.7983455	5.4156725	5.261376	4.896516	4.543382	5.067441	4.9530925	4.9401915	4.2441475	4.925379	5.374879	5.096469
C17orf77	2.219919	2.470523	2.588377	2.381038	2.186661	2.41613	2.478515	2.379979	2.182549	2.413875	2.297792	2.315092
C17orf99	3.447014	3.649361	3.755867	3.352012	3.146414	3.366517	3.245218	3.319955	3.42909	3.053314	2.925679	3.029037
ENGASE	6.788771	6.7704175	7.149662	6.3193125	7.1083875	6.5694365	6.7305755	7.213002	6.6143255	7.3096945	6.849099	7.311854
RBFOX3	3.863364	3.779505	3.62795	3.732805	3.661934	4.179408	3.284741	3.697174	3.624293	3.657533	3.958184	3.271241
LOC100294362	2.729114	2.681817	2.753435	2.903533	2.523566	2.453139	2.602611	2.586711	2.509888	2.634732	2.549197	2.753356
MYADML2	5.529277	5.854354	5.360894	5.54224	5.113802	5.148149	5.050607	5.134982	4.982191	4.929804	5.171907	4.962419
TEX19	3.684244	3.687891	3.44154	4.020853	4.381238	4.660099	4.561666	4.596167	4.349004	4.074838	4.442007	4.875509
MYL12B	12.11184	12.36794	12.19237	12.3669	11.93066	11.89415	11.59426	12.09767	11.92095	11.32769	11.71399	11.29398
GREB1L	4.613395	4.85729	4.57628	4.60904	4.650481	4.868974	4.650534	4.70344	4.396091	4.635205	4.975235	4.726837
TRAPPC8	9.28793	8.655066	9.234511	9.271048	9.409921	9.288776	9.471986	9.374975	9.317762	9.202295	8.880187	9.177267
ZSCAN30	6.16854	6.130055	6.249878	6.131902	6.140009	5.898327	6.138225	6.272384	6.145046	6.370989	6.275019	6.018661
C18orf21	5.4580465	5.6291205	5.6413405	5.4557785	5.637758	5.751349	5.923473	5.5551605	5.72156	5.5473665	5.7309305	5.3671355
CELF4	3.684088	4.614028	4.291363	4.058218	4.042628	4.346735	4.668306	4.139477	4.189918	4.639147	4.329737	4.67188
HAUS1	9.507447	9.014765	8.773524	9.102648	9.439281	6.784347	9.815279	9.05744	8.939649	9.000264	8.208426	8.847318
C18orf25	5.467501	5.378835	5.013543	5.0888365	5.3375385	6.041341	5.544664	5.1042625	5.330545	4.532497	5.186915	4.513425
C18orf54	6.280377	6.27547	5.301929	4.820096	3.64265	3.659084	4.003758	3.67888	3.987907	3.811013	3.769098	3.451819
LOC400655	3.6656	3.395723	3.612301	3.5516735	3.5672365	3.5738425	3.6833695	3.8010845	3.6128575	3.430557	3.630269	3.3893995
HSBP1L1	6.951766	7.146377	7.456432	6.89037	7.643254	6.329858	7.905826	7.419045	6.410028	7.802271	6.5284	7.507906
C19orf24	7.483433	7.181331	7.339444	7.921703	8.39043	8.856114	8.51709	8.391256	7.854879	7.611745	8.524924	6.6387
C19orf25	6.7479155	6.5830335	6.5538225	6.6113745	7.0400795	6.8543405	7.1801675	6.9971175	7.134235	6.808048	7.326852	6.858354
UQCR11	7.021389	7.157313	6.795843	7.138175	7.547985	7.936669	7.859786	7.540105	7.473848	6.594494	7.175862	6.913478

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
LOC100288123	3.891587	4.451734	3.410536	3.694778	3.91646	3.7381	3.428637	3.323028	3.743841	3.80762	3.843168	3.695304
IZUMO4	4.76728	5.5407365	5.160619	5.201158	5.0304665	5.1029355	5.1073975	5.017918	5.0179185	4.9347025	5.241019	4.794415
CELF5	3.470293	3.722345	3.424119	3.491043	3.601528	3.672105	3.564531	3.632938	4.360987	3.372054	3.566372	3.676057
PLIN4	5.393336	5.608778	4.97479	5.353653	5.026538	4.7033	4.70288	4.976124	4.844328	4.691358	4.76438	4.526968
PLIN3	11.36548	11.32004	11.05914	11.59269	10.32266	10.90501	9.752007	10.34577	9.395623	9.160524	10.2795	8.98906
KDM4B	5.9576875	6.267341	6.2524595	5.895176	6.063651	6.054703	5.8627515	5.9144295	5.739263	6.0138235	6.093294	5.8950285
ACTL9	3.57743	4.286996	3.372054	3.84108	3.437413	3.498597	3.530634	3.507887	3.65582	3.270043	3.420191	2.810186
C3P1	5.071483	5.121656	5.312434	4.926055	4.710599	4.678516	4.543	4.737828	4.383097	4.681001	4.752874	4.239829
ZGLP1	6.002366	6.219165	5.851748	5.719406	5.605846	5.583367	5.599961	5.586075	5.722402	5.504318	5.465786	5.531739
CCDC159	6.312851	6.786772	6.036814	6.254127	6.186973	5.863851	5.588766	6.036814	6.082072	5.898854	6.059635	5.996807
WDR83	6.207439	6.520943	6.30273	6.579775	6.312879	7.223453	6.635602	6.4418	6.753336	6.500545	7.072886	6.223062
C19orf53	10.34538	10.21887	10.12039	10.45703	10.74538	10.78211	10.74407	10.70878	10.00011	10.20144	10.7982	10.16097
LOC284454	7.1390775	6.880121	6.8941975	6.3934315	6.717211	5.7227925	6.182522	6.720145	7.3033015	6.513282	6.670098	6.464909
C19orf57	6.595232	6.870058	6.620671	6.551147	6.706055	6.327108	6.545606	6.85795	6.674057	6.599771	6.558887	5.977922
PALM3	5.861405	5.944566	5.597226	5.816644	5.330583	5.493069	5.480605	5.373772	5.94536	5.237688	5.874467	5.134446
EPHX3	4.541131	4.765777	4.287115	5.037479	4.592451	4.533283	4.610517	4.485501	4.621614	4.205765	4.536696	3.994248
C19orf44	4.9121165	4.8648355	4.744784	5.0830935	5.204041	5.26954	5.017934	5.075017	5.0407715	4.8570135	5.4808255	5.117476
TMEM221	5.359215	5.376488	5.3617865	5.2096815	5.1912935	5.137715	5.2500055	5.473031	5.434276	5.310733	5.0211965	5.170415
SUGP2	7.826231	7.602936	7.535115	7.005923	7.76088	7.696564	7.732696	7.668903	7.476066	8.451546	7.652222	8.510033
SUGP1	6.5395335	6.6349935	6.8151455	7.073558	7.2464185	7.245719	7.251355	7.206956	7.3481855	7.22404	7.512026	7.296997
MAU2	4.242039	4.452229	4.266346	4.275561	4.593557	5.325124	4.545304	4.529754	4.535123	4.377004	4.564069	4.380896
ZNF826P	4.4180575	4.874163	4.8706835	4.3093795	5.042237	3.4448905	4.856834	4.717947	4.393482	5.534186	4.0833605	3.944146
C19orf12	7.888069	8.066591	8.605227	7.445979	7.506948	7.270415	7.199501	7.508587	7.887731	6.96302	7.141297	6.523048
ARHGAP33	5.660612	5.699543	5.316594	5.116584	5.271629	5.167271	5.093285	5.2554	5.32759	5.12569	5.282951	4.951367
ZNF850	4.905345	4.482927	4.864972	5.743718	4.990411	4.364554	4.086046	4.721814	5.931441	6.285985	5.122007	6.132292
C19orf33	3.906644	4.674734	4.374137	4.144793	4.678516	8.332684	4.548778	5.200503	4.310704	4.279821	7.569103	4.145704
CATSPERG	4.545669	4.608994	4.415369	4.477619	4.430721	4.396493	4.41698	4.485903	4.558295	4.198161	4.43689	4.099566
LOC100129935	4.375982	4.509825	4.65081	4.678516	4.658758	4.513208	4.66706	4.667724	4.850043	4.648663	4.882853	4.566576
C19orf47	5.923559	6.0815815	5.7959585	5.9099675	5.888764	5.809495	5.8427085	5.9746755	5.713034	5.579993	5.777109	5.6892285
C19orf54	6.940633	7.256092	7.194252	6.961753	7.49593	6.954989	7.527257	7.350308	7.346758	8.103933	7.850515	8.19908

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
LOC100379224	3.264574	2.925205	3.189531	3.451974	3.603518	3.863364	3.507935	3.265178	3.3473	4.550762	3.223991	3.95959
CLASRP	7.707357	8.121138	7.788002	7.170284	7.230384	6.942247	7.342698	7.184014	7.047091	7.373296	6.956272	7.240757
PPM1N	4.63813	5.193953	4.6747905	5.0132095	4.8021835	4.7929265	4.782381	4.884803	4.622035	4.4001775	5.3415415	4.8726025
RSPH6A	5.910409	6.732967	5.695539	6.056876	5.695539	5.484745	5.362591	5.834003	5.67166	5.201942	5.82212	5.329012
MAMSTR	4.691142	4.990966	4.83779	5.216361	4.974875	4.362146	4.856759	4.987018	4.80703	5.014557	4.509377	4.734705
C19orf73	4.695242	5.202356	4.949048	4.528033	5.023643	4.925334	5.277798	4.952795	5.09941	4.883754	5.189076	4.71032
IZUMO2	4.751767	4.877556	4.808511	4.678516	4.447422	4.114353	4.069106	4.146544	4.333241	3.721452	4.309645	3.804862
ASPDH	5.74936	6.223969	5.494532	5.440049	4.986578	4.834499	4.868407	4.987116	4.78837	4.754684	4.787726	4.324318
IGLON5	4.784493	5.2804	4.740206	4.737304	4.679463	4.784963	4.814221	4.712928	4.754099	4.868305	4.99323	4.746778
VSIG10L	4.899168	4.599412	4.105792	4.552496	5.651042	5.669831	5.782236	5.60843	6.498567	5.714269	6.633431	6.096414
ZNF880	6.388338	6.292321	6.220207	7.131872	4.553197	3.5745835	3.387989	4.544496	4.639088	4.1085345	6.000088	6.3412305
ZNF137P	5.320711	4.483184	4.673007	4.762591	5.419732	4.383031	3.981968	5.227792	4.343267	6.056583	4.715421	4.859033
PPP6R1	7.565693	7.626304	7.406857	7.876482	7.654635	8.134853	7.591846	7.604389	7.362008	6.863777	7.607464	7.214212
SHISA7	4.626912	4.991728	4.661592	4.204319	4.8681	4.644748	4.639459	4.925156	4.987619	5.006512	4.944454	5.038309
SSC5D	5.525911	5.762973	6.259616	6.581115	4.897214	4.287605	4.479784	4.326459	5.361337	4.312952	4.83718	4.620265
ZNF865	5.83333	6.322253	5.8429055	6.035053	6.071515	6.2322035	5.9444325	6.122488	6.3343545	6.1087175	6.036507	5.8493945
ZNF814	4.179627	3.688449	4.092162	4.159192	3.827774	3.756217	4.050169	3.949989	4.323298	4.357151	4.323152	4.842827
C19orf18	4.659354	4.402307	4.531367	4.16769	3.854804	4.264378	4.085295	3.976378	4.706572	4.085295	4.412445	4.271026
C20orf96	3.999696	4.304211	4.03317	4.00298	3.875963	4.267216	3.849427	4.098677	3.977121	4.027977	3.874167	3.541897
C20orf202	4.224911	4.533166	4.4330215	4.580357	4.090192	4.2446375	4.191894	4.418023	4.380358	3.928382	4.306368	3.959662
RAD21L1	2.3387725	2.310011	2.3513385	2.499707	2.461335	2.5173695	2.4303385	2.3258075	2.315324	2.3331025	2.342462	2.384638
C20orf141	5.664082	5.959294	5.797321	5.515198	5.487499	5.648875	5.456654	5.699386	5.333963	5.407208	5.552109	5.213991
C20orf194	8.4679455	8.2397745	8.7191605	7.8611635	6.3460605	6.1705215	5.716839	6.4957205	7.0282425	6.9176905	6.674905	6.506568
C20orf27	7.6487325	8.2071695	7.3312925	8.021014	8.63177	8.465981	8.883994	8.359359	7.858977	7.836611	7.906337	7.9346225
MAVS	7.404667	7.4454245	7.910238	7.5378645	7.114145	7.1513065	7.0754065	7.1378055	7.0797995	7.2212175	7.4248045	7.605068
GPCPD1	6.81952	6.770478	6.903128	6.260148	6.859711	6.402266	8.074027	6.651153	6.440865	8.733242	6.933445	8.55084
PET117	6.482558	5.9608405	6.369739	6.6699445	6.6728905	7.2001315	7.2173775	6.7800035	7.059913	6.4277745	7.2897785	6.746866
NAA20	10.35068	9.937488	10.07395	10.07523	10.14101	10.48901	10.24449	10.14117	9.564461	10.08923	10.78637	10.29253
LOC284788	4.335578	4.97479	4.547791	4.673923	4.669624	4.623746	4.68763	4.799171	4.788184	4.910285	4.73036	4.187434
LOC284798	4.355398	4.093062	4.378216	4.37613	4.394522	4.41698	4.387591	4.522744	4.516969	4.488079	4.220487	4.143643

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
FAM182A	3.922277	4.035781	3.900519	3.960027	4.048505	4.097766	3.886144	3.975706	3.855416	3.991385	4.251559	3.925065
C20orf203	5.285477	5.667094	5.3664645	5.463945	5.3643795	5.285869	5.1930425	5.551841	5.289324	5.1110995	5.422791	5.0320845
SUN5	5.75827	6.084867	5.815039	5.913856	5.7823665	5.8991025	5.5413775	5.799	5.8384195	5.7539725	5.881541	5.4285005
C20orf144	3.177002	3.477941	3.061595	3.414883	3.325464	3.085717	2.915092	3.205991	3.133801	2.902123	3.51247	2.921062
C20orf173	4.311431	4.455512	4.365966	4.647545	4.798641	4.640676	4.820133	5.049401	4.475652	4.285791	4.596495	4.184065
TTI1	7.620277	7.457567	7.457882	7.926739	7.506652	7.77698	7.995039	7.379033	7.837787	7.642846	8.07791	7.626394
SRSF6	7.2646695	6.370021	7.789488	7.9942685	10.042612	7.6088755	10.468685	9.9455265	8.6841105	10.262668	9.2603345	9.5446485
L3MBTL1	4.8527095	5.1092295	4.898523	4.837851	4.8244205	4.775754	4.8089005	4.8768735	4.9978495	4.954078	4.6371975	5.068209
C20orf85	3.597079	3.876025	3.372054	3.639394	3.806799	3.83948	3.900519	3.892265	3.726548	3.459311	3.676058	3.328683
C20orf197	2.51405	2.416221	2.654002	2.478401	2.292192	5.920195	2.137746	2.346279	2.337159	2.401552	2.464263	2.253258
DPH3P1	4.983865	4.797822	5.072604	5.1717	5.324229	5.631809	5.245261	5.094554	5.446876	4.686548	5.60949	5.227062
BHLHE23	4.921351	5.334388	4.881961	4.636213	4.546765	4.573468	4.511353	4.889562	4.958653	4.407848	4.733685	4.192436
ANKRD30BP2	2.832635	2.97706	2.702558	2.863073	2.888507	3.0158	2.860924	2.90655	3.166625	3.194057	3.698956	2.754811
C21orf91	6.5609605	6.4471345	6.71626	6.4830455	7.0536145	6.9292995	7.283312	7.149953	8.066851	7.340005	6.895004	7.226558
TMPRSS15	3.5697075	3.7506535	3.7657785	3.9647855	4.225674	3.843222	3.9625295	4.0672145	3.9018485	3.987901	4.0485955	3.91859
LTN1	5.191415	4.796954	4.685686	4.091974	5.184692	6.519633	5.509411	4.882776	5.31493	5.469562	4.334569	6.42067
C21orf62	4.938697	4.945749	4.766676	5.1470325	5.1218835	5.143565	5.021229	5.2212355	4.897661	5.0047115	5.0794035	4.935529
C21orf58	5.484436	5.624412	5.1510455	5.3174545	5.356325	4.840362	5.4799905	5.2464655	5.132639	5.2324705	5.078303	5.5025915
C22orf39	6.1789085	6.333283	6.4937795	6.5040625	6.862797	6.6805855	6.8673175	6.6939705	7.261828	7.1608325	7.3523935	7.0126525
CDC45	7.447276	7.189167	7.074386	7.697763	7.232329	5.491796	8.280866	6.968521	6.212696	7.679986	6.597395	6.953224
POM121L8P	3.339537	3.678265	3.724931	3.790142	3.680346	3.784304	3.895352	3.787807	3.441449	3.781822	3.898103	3.194948
IGLL5	5.311025	5.450853	5.638495	5.558522	5.59498	5.506929	5.363806	5.455821	5.548755	5.077523	5.545372	5.337365
FBXW4P1	5.372531	5.240097	5.2728	5.277475	5.136248	5.319427	5.029694	5.347605	5.11295	5.599654	5.589367	5.658302
ZDHHC8P1	4.792868	4.502802	4.906486	4.786405	4.830477	4.97911	4.606571	4.465508	4.850764	4.597929	4.682956	4.563387
C22orf15	5.6294855	5.6211705	5.6355945	5.77049	5.7272125	5.6246695	5.546441	5.8033265	5.6370045	5.464629	5.739677	5.35556
SPECC1L	7.789229	7.739363	8.199724	8.194244	8.094545	8.08337	7.935684	8.15428	8.373787	7.946505	8.032709	7.774585
CRYBB2P1	5.237752	5.319362	4.8379775	4.685669	5.0957825	5.1728485	5.0076555	5.1346205	4.6832475	4.811929	5.216369	5.122383
C22orf31	4.979772	5.417363	4.880034	4.91428	4.832155	4.637964	4.85146	4.784457	4.447444	5.043922	4.730641	3.994248
UQCR10	9.2046235	8.9937535	8.978804	9.3739765	9.870193	9.9471825	10.208578	9.8324515	9.924296	9.413632	9.775915	9.5492815
CCDC157	4.889241	5.400129	5.488488	4.780815	4.640779	4.142963	4.333067	4.495179	4.438163	4.421613	4.605855	4.783213

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
MTFP1	6.358425	6.770603	6.836048	6.890733	7.428564	6.217113	8.782412	7.173206	6.923217	7.627572	7.911039	7.515692
C22orf24	4.923794	5.37221	5.409365	5.336118	5.335377	5.130416	5.074218	5.337786	5.337786	4.839256	5.401628	4.634511
C22orf42	3.829895	3.978928	3.89219	3.902872	3.775192	3.636961	3.5773345	3.9430285	3.8186125	3.5408175	3.7200775	3.3307
RBFOX2	9.7804685	9.4111425	9.27391	9.125616	9.512738	9.5859105	9.1231415	9.5105425	9.334721	9.7060455	9.663615	9.466914
IFT27	5.783166	5.455	5.405233	5.511566	5.959321	4.735548	4.997091	5.846216	6.156322	6.25471	5.57804	6.208378
C22orf23	5.288372	4.917118	5.161159	5.471002	5.206831	5.241908	5.059531	5.318025	5.510267	5.175235	5.737696	4.875256
SUN2	8.219795	8.145025	8.293639	7.988272	7.380358	8.008574	7.267643	7.209388	6.944105	7.316002	7.111282	7.044392
TAB1	4.931153	5.84692	5.111758	5.366723	5.07772	4.712215	4.95386	4.967965	4.846995	4.825689	4.629861	4.985972
C22orf46	5.586692	5.479503	5.650386	5.554138	5.299125	4.84584	4.974789	5.143697	5.369945	4.950226	5.319839	5.282559
C22orf34	4.3161445	4.5391595	4.380553	4.9211385	4.479242	4.2914335	4.7076275	4.5684245	4.2782835	4.3729135	4.6622055	4.560625
PPP6R2	6.1440305	5.932642	6.0142625	5.932198	5.866385	5.696204	5.774371	5.8850215	5.728628	6.7903615	6.0010735	6.800866
AKAP17A	7.393327	7.679249	7.178858	6.537615	6.838294	6.819609	7.130445	6.909386	6.864855	7.163228	7.08746	6.431593
CD99P1	5.476017	5.562303	5.858994	5.15423	5.233199	4.431819	5.526278	5.554701	6.212116	6.110792	4.616077	5.32421
TXLNG	7.357766	7.593806	7.762626	6.862193	7.245642	9.045511	7.878808	7.252897	7.017124	7.263659	7.392008	7.279979
CXorf58	2.873106	3.083049	3.47665	3.132102	3.381429	2.951826	3.095351	3.265178	3.264959	2.984308	3.222472	3.100866
CXorf21	4.581769	4.684439	4.222468	4.303545	4.374487	4.102588	4.50008	4.191522	3.632821	4.475767	4.075356	5.138531
CXorf38	6.880414	6.526851	6.445306	6.9069585	7.121694	7.048335	6.7411885	7.2252535	7.19536	6.864456	7.4174605	6.57686
KDM6A	5.5895575	5.9283415	5.9934675	5.845932	5.427893	6.1955405	5.9369085	5.275401	6.0246255	5.344572	5.364228	5.386083
CDK16	7.670624	8.518938	7.86548	7.848106	7.897603	7.718494	7.653251	7.464424	7.054842	7.124382	6.940556	7.396774
CXXC1P1	3.541106	3.88137	3.763009	3.639393	3.84834	3.434188	3.395771	3.618436	3.835528	3.286727	3.539262	3.386086
AWAT1	3.704544	4.273071	3.857347	4.114353	4.049993	3.796549	3.708629	4.079679	4.052746	3.87555	3.951454	3.979968
CXorf65	3.398727	3.73967	3.651569	4.020756	3.791959	3.752606	3.65912	3.833531	3.717811	3.586275	3.955859	3.67887
RLIM	7.962066	7.911924	7.8516955	7.99877	7.9436295	8.2308925	8.272051	8.032081	8.1993445	8.2682105	8.7238115	8.1726725
HMGN5	4.0884995	3.9902055	4.197396	4.384451	6.8585935	6.252128	6.674706	7.1422795	5.5246775	6.470832	4.5857425	6.872427
ZCCHC18	4.211441	4.40448	4.261839	4.077332	4.552274	4.141623	4.059505	4.396894	6.105485	4.618307	4.390402	3.990038
FAM199X	6.612812	5.712131	6.726738	7.116411	8.22902	8.018339	8.642683	8.375917	8.289321	7.542592	8.210239	7.989919
CXorf56	4.880847	4.796942	4.6878125	4.7248085	4.3269205	4.5498225	4.4943235	4.2871165	5.097459	4.3295665	5.079739	5.5093015
NKAPP1	4.424764	4.674434	4.179516	4.178829	4.754613	4.363564	5.339769	4.416236	4.981096	4.841624	5.068237	5.273883
DCAF12L1	2.841661	2.974415	2.931679	3.137481	3.329485	3.585795	3.175565	3.201051	3.768798	3.052165	3.383344	3.137481
ARHGAP36	3.056086	3.195061	3.440216	2.911053	2.963706	3.085312	3.064992	3.147569	2.943232	2.859426	3.065831	2.633018

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
CCDC160	2.824319	2.646866	2.951056	2.777792	4.978376	4.667085	3.680158	5.003602	2.873477	2.915045	3.075808	3.022516
CXorf40B	8.784635	8.802336	8.906704	8.89538	9.082107	9.461217	8.926841	9.163491	9.070819	8.312662	9.468284	7.899491
VMA21	4.296899	4.188069	4.215847	4.781527	5.971356	7.140803	5.809711	5.529869	4.45059	4.460433	4.681602	4.916016
HAUS7	7.950449	7.85148	7.723025	7.51727	7.361846	6.883247	7.848841	6.900886	7.52829	7.706783	7.545135	7.498172
NAA10	8.124258	8.171553	8.324929	8.56681	8.942123	9.542202	9.112228	8.950235	8.147884	8.859541	9.286514	9.243498
BCORP1	2.771734	2.611283	2.607781	2.877366	2.662922	2.602079	2.452177	2.55856	2.580556	2.848064	2.676169	2.364944
KDM5D	8.095001	4.184987	3.360123	7.753374	8.747669	4.304863	8.865657	8.705009	8.059509	9.316933	8.310045	3.877007
CSPG4P1Y	5.604353	5.590322	5.684013	5.41578	5.674802	5.547818	5.773686	5.90889	5.495997	5.260815	5.838528	5.218297
C11orf72	7.236028	7.220754	7.210569	7.504428	7.356916	7.331706	7.062085	7.336877	7.231953	7.221183	7.323704	7.123424
C1orf167	4.760529	5.122764	4.97479	4.690334	4.83009	4.407707	4.374643	4.996162	4.856198	4.377004	4.761086	4.560583
C3orf56	2.460509	2.795064	2.666369	2.486762	2.575401	2.511465	2.722874	2.570415	2.738443	2.576242	2.601487	2.48317
C8orf82	7.911987	8.354298	8.044682	7.836246	8.023184	7.342313	8.175801	7.751542	7.336027	7.990276	7.165777	8.22596
C9orf62	5.233532	5.300401	5.194858	5.387326	5.291666	5.447957	5.289964	5.390061	5.510688	5.106616	5.527453	4.90338
FAM27E3	4.757032	5.053788	5.573478	5.263948	5.768186	5.65249	5.741317	5.686764	5.209765	6.335997	6.823694	5.684442
IGHD	4.518548	4.870794	4.618157	4.836419	4.650269	4.63813	4.68743	4.918094	4.796933	4.533647	4.793874	4.435503
IGHE	4.722143	4.769119	4.603962	4.799713	5.020219	4.747918	5.194045	4.718739	4.966012	4.399141	5.423414	4.710392
LRRC63	2.394878	2.494964	2.507345	2.270051	2.262581	2.389823	2.278781	2.223807	2.908704	2.363928	2.220754	2.32852
TBC1D30	3.300659	3.294216	3.445084	3.536942	2.958668	3.493657	3.091813	3.120709	4.045904	3.559843	3.615663	3.25704
TRAC	4.8690405	5.0372685	5.003628	5.1555835	5.086089	5.189292	4.7023985	4.891056	4.8089505	4.494992	5.7342325	5.2028945
ORC5	6.623017	6.426659	6.019732	6.787377	7.555482	8.02566	8.089016	7.445607	6.83193	5.874957	7.495357	5.283076
ALDOAP2	3.966745	4.219779	3.81068	3.197538	3.468669	3.395335	3.526146	3.601983	3.3546	3.635982	3.612439	3.636433
C10orf126	2.401896	2.204594	2.636889	2.118256	2.281061	2.229298	2.358539	2.415715	2.188758	2.08535	2.115348	2.271696
C11orf44	3.696137	3.794943	3.880619	3.429755	3.687476	3.49499	3.694448	3.715391	3.702442	3.473299	3.542733	3.670336
C18orf15	4.101155	4.672047	4.489782	4.523715	4.163311	4.167245	4.097148	4.308352	4.24758	4.332426	4.413771	4.627301
C5orf17	3.346603	3.455141	3.565094	3.394049	4.012919	3.579469	3.413094	3.829989	3.451175	3.044958	3.773364	3.075402
C8orf17	3.484663	3.702096	3.522836	3.447014	3.442006	3.425154	3.381429	3.46471	3.555318	3.44	3.382379	3.30576
CATR1	2.52658	2.336737	2.436762	2.296586	2.696613	2.41613	2.226082	2.336047	2.397994	2.535913	2.30872	2.244652
FLJ31356	3.107608	3.388951	2.701532	2.959736	2.879333	2.649198	2.662286	2.971516	2.81127	2.614236	2.793786	2.662286
HMCN2	5.5643685	5.56555	5.4287945	5.470989	5.525149	5.611506	5.4587145	5.816141	5.598152	5.0893445	5.381566	5.3718375
IGHG1	4.567096	4.513348	4.3318345	4.3323905	4.247837	4.327482	4.4377215	4.358929	4.304048	4.4012925	4.435806	4.1948065

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
IGHM	5.726308	5.689987	5.573481	5.389792	5.399333	5.378973	5.1897	5.367222	5.473514	5.562303	5.665357	5.057138
IGHV1-69	2.449486	2.418083	2.558097	2.480364	2.478851	2.695911	2.476492	2.441085	2.43374	2.238168	2.49481	2.257166
IGKC	4.710809	4.687279	4.816491	5.252861	5.38383	5.263021	5.231921	5.388847	5.187388	4.994871	5.547689	5.239387
IGLV6-57	4.309645	4.535224	4.301048	4.379171	4.246671	4.497462	4.313797	4.397499	4.350284	4.409051	4.669303	4.360818
KIAA1656	5.065054	5.0739995	5.192453	4.9185345	4.8678315	4.936619	5.0042195	5.0704845	4.8244375	4.716462	4.988155	4.8266755
LOC145694	3.728254	4.358852	4.21009	4.022583	3.770038	3.605211	3.565654	3.625776	3.136021	3.221726	3.931008	3.043628
LOC283665	2.668286	2.646014	2.864048	2.647979	2.605945	2.789906	2.675063	2.67342	2.726729	2.58603	2.618995	2.846851
LOC284600	4.712485	5.152608	4.477234	4.439247	4.538832	4.927045	4.481345	4.565303	4.659118	4.964386	4.88598	4.757822
LOC284933	4.365017	4.747897	4.282047	4.578029	4.084955	3.741563	3.834941	4.027011	3.865865	3.941106	4.221962	3.743545
LOC339260	4.187456	4.232068	4.086649	4.196539	4.634066	4.26524	4.47076	4.863443	4.142292	3.796063	3.78325	4.151332
LOC389831	6.898419	5.6895525	5.836598	4.1232945	6.9719915	8.145085	7.901766	6.7427055	5.908405	7.418389	7.426033	6.3957835
LOC400684	4.122499	4.281285	4.381927	4.480955	5.661951	4.325739	4.67388	5.843336	3.994248	4.729891	5.571398	3.978352
LOC401176	3.009995	3.031402	3.022417	2.986395	3.002739	2.869061	3.278191	3.147569	2.864406	2.945259	3.263585	3.060653
LOC414300	2.615223	2.888644	2.590704	2.600218	2.692256	2.334785	2.48149	2.57161	2.671989	2.52541	2.650225	2.609968
LOC780529	3.703897	4.004519	4.172397	4.117883	3.644609	3.528746	3.500172	3.622929	3.624518	3.141989	3.449889	3.187632
MGC32805	4.1289775	4.202003	3.9467705	4.4329075	4.0320085	3.8236685	4.2562915	4.0479975	4.287203	3.850034	4.1356745	4.0134575
MGC34796	5.599961	6.263331	5.88529	5.928182	5.848469	5.719996	5.69998	5.78687	5.527901	5.748371	6.025078	5.631809
MGC4859	2.762313	2.468066	2.610594	2.909397	2.699915	2.733692	2.721792	2.829426	2.757725	2.643296	2.893557	2.483671
MUC8	6.0185675	6.4604065	6.250563	6.143508	5.878518	5.579505	5.568586	5.865323	5.721859	5.63166	6.051433	5.352779
NPSA	3.09843	2.933775	2.942865	3.039925	2.902241	2.98349	3.176064	2.777908	2.889265	2.819504	2.931534	3.011517
OR4C1P	3.873882	4.296796	3.874836	3.827272	3.746331	3.781822	3.670595	3.73364	3.916961	3.628757	3.895526	3.239476
OR52K3P	3.35445	3.858648	3.958673	3.95522	5.369631	7.227704	6.792633	5.5969	3.814268	4.272868	7.061678	4.27556
OR7E104P	8.278759	8.369738	8.351937	8.447936	8.372114	8.09327	8.327178	8.247034	8.226583	8.165675	8.292177	8.024437
OR7E47P	4.932018	4.538482	5.167964	5.644281	5.471832	5.312061	5.623868	5.611745	5.396083	5.567136	5.215015	5.546662
VN1R3	2.6632545	2.912136	2.605779	2.757805	2.7638055	2.7437205	2.563121	2.668271	2.578838	2.472164	2.559635	2.572896
C8orf49	2.726447	2.903901	2.646746	2.61963	2.642018	2.71852	2.797294	2.723894	2.51688	2.576741	2.519432	2.55063
MT-ATP6	10.2235575	10.422233	10.1962575	10.2190395	10.6855855	9.467857	10.703331	10.695814	9.544286	10.616941	9.8056245	10.6429175
MT-CO1	14.09482	13.78551	13.97934	12.74971	14.06559	12.65558	13.88186	14.08629	12.79641	14.1334	13.59473	14.21622
IGLJ3	5.326229	5.413496	5.171549	5.410482	5.374345	5.232352	5.50673	5.577564	5.102561	5.023711	5.105292	4.838272
LOC100288570	5.587412	5.498945	5.086602	5.785057	5.124041	4.982768	4.586776	4.836185	6.441188	4.777345	5.06552	4.620265

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
PIN1P1	5.374443	5.293669	5.303347	5.623882	5.174922	5.114145	5.351197	5.256007	5.188573	5.142779	5.665356	5.011425
MTMR9LP	5.0766455	5.134155	5.186922	4.901855	5.513977	5.09204	5.3529985	5.6438915	4.9866815	4.9797555	5.190803	5.6030075
PP2672	3.935849	3.836059	4.072199	4.081797	3.781881	3.950943	3.972112	3.684365	3.939371	3.64901	3.954962	3.809824
OR51J1	3.938485	4.283506	4.056564	4.300412	4.527708	4.560879	4.201175	4.589198	4.471639	4.027608	4.686168	4.296553
OR7E14P	3.048945	2.864126	2.708737	3.062524	3.171081	3.071566	3.056565	3.048945	3.044126	3.211476	3.005156	3.163242
WT1-AS	4.441264	4.873384	4.624828	4.407203	4.705858	4.368496	4.565946	4.575113	4.539151	4.291297	4.42118	4.575113
OR10D1P	4.616222	5.1170555	4.6221545	4.8610025	4.948432	4.7673025	4.6596365	4.847631	4.8084705	4.761215	5.058342	4.786394
OR10D3	4.6521195	4.72935	4.4296655	4.5605985	4.530235	4.629618	4.528053	4.6283525	4.4143545	4.5711485	4.5998965	4.3164155
SUGT1P3	2.4273975	2.381326	2.458317	2.4401665	2.4622475	2.514373	2.4958805	2.4906855	2.7037335	2.469947	2.4474555	2.318658
SP3P	3.121092	3.225727	3.168014	3.078366	3.020249	2.859426	3.205991	3.157677	3.133683	2.694973	3.087425	2.893717
TRAV8-3	4.027694	3.812155	3.894542	4.060742	4.034148	3.735655	4.069106	4.025259	3.777976	3.398854	3.91472	4.047841
VRTN	6.377375	6.821173	6.330259	5.909997	5.148674	5.321759	5.569138	5.420053	5.225457	5.124146	5.289758	4.768605
SAMD15	3.240213	3.696414	3.722301	3.665252	3.838647	3.571352	3.642081	3.851157	3.57466	3.39224	3.95648	2.8188
IGHV5-78	2.675935	2.46647	2.602471	2.540102	2.388143	2.237514	2.459454	2.582003	2.420211	2.21335	2.454317	2.321223
GOLGA6L2	3.538845	3.969315	3.570161	3.889521	3.740633	3.755352	3.483594	3.767331	3.722342	3.40046	3.712399	3.446649
CSPG4P5	4.60899	4.726013	4.738831	4.846703	5.107744	4.762726	5.10938	5.33495	5.000259	4.818849	5.245191	4.566
AFG3L1P	5.782385	5.57183	5.700602	5.628479	5.966805	5.658233	5.408881	5.851879	5.721556	5.476817	5.875141	5.493685
ZNF29P	2.1993185	2.5871615	2.646022	2.5035585	2.9078105	2.983718	2.7433055	3.1504295	3.029845	2.8310365	3.1341385	2.8763335
CTDNEP1	9.325305	9.777609	9.123173	9.512148	8.871391	8.82126	8.972315	8.661501	8.68568	9.097116	8.906173	8.974872
C18orf12	4.760529	4.637919	4.826447	4.733746	5.02592	4.583973	4.576297	5.087784	4.936746	4.777349	4.915411	4.611141
RBFA	5.962599	6.0059975	5.868367	5.993436	6.287281	5.5532495	6.2630835	6.277897	5.801922	6.0409425	5.8936375	6.289978
OVOL3	4.931836	5.206021	5.004251	4.836999	5.19324	5.123833	5.003391	5.124801	5.309688	4.823588	5.294598	4.890778
ZNF818P	4.8607395	4.735667	5.0101515	5.0517985	3.7683105	3.3350385	3.2401475	3.8437355	4.6985995	5.425174	4.0381005	3.3700635
OR7E19P	3.718237	4.154503	3.735511	4.302486	3.853005	3.603416	3.421657	3.446648	3.446418	3.549512	3.503731	3.394901
IGKV4-1	4.971451	5.418097	5.180911	4.983282	4.948601	4.896189	4.750401	5.038917	4.970563	4.900668	4.985568	4.884749
C20orf187	3.532691	3.886441	3.493719	3.936941	3.93375	3.886964	3.768451	3.720907	3.819661	3.770873	3.950562	3.758745
TSPY26P	5.1481915	5.242072	5.413449	5.546664	5.6404645	5.000015	5.234991	5.363163	5.8393995	4.7900905	4.8088315	4.767778
HMGB3P1	6.501417	6.475517	6.04271	6.383702	7.088112	6.268447	7.506198	7.089824	6.796046	7.045496	6.661061	6.747195
ANKRD60	4.884898	4.804348	4.349629	4.628253	4.394958	4.685936	4.636603	4.634263	4.333526	3.748713	4.718064	4.460048
C20orf181	5.022238	5.412607	5.114336	4.963414	4.818461	4.692152	4.802735	4.784217	4.684913	4.305477	4.833406	4.471377

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
IGLL3P	4.600763	4.642831	4.595792	4.455536	4.601715	4.157398	4.567136	4.872829	4.657047	4.437844	4.547487	4.466269
ZNF852	2.800854	2.744194	2.856139	3.057549	3.034882	3.888953	3.451677	2.906816	3.043467	2.83226	3.187215	2.83226
LOC100287290	3.313279	3.423275	3.140356	3.689035	3.775919	3.407679	3.767735	3.42935	3.497752	3.291291	3.956987	3.74318
CSN1S2AP	3.105783	2.98705	3.161667	2.992706	3.229094	3.012714	3.001307	3.372257	3.056591	3.134341	3.196658	3.078645
DROSHA	9.405972	9.223291	9.0776	9.113918	9.412745	9.059366	9.472258	9.368016	9.322405	9.651327	9.192201	9.692556
FTH1P5	12.55944	12.40593	12.81455	13.1597	13.22625	12.40765	12.29803	13.30715	13.76127	13.14363	13.22162	12.86189
GUSBP4	5.4826635	5.4029405	5.5918215	4.9951595	5.1453675	4.7255665	4.8420045	5.4224795	5.842569	6.0160475	5.1357035	5.7342185
NFE4	3.254017	3.208279	2.915202	3.278791	3.187568	2.971768	3.087763	3.11416	3.11416	2.779558	3.126746	3.138399
TRBC1	4.292281	4.603229	4.250229	4.570287	4.43918	4.582414	4.624749	4.749841	4.304937	4.203641	4.267907	4.32519
PMS2P4	3.544238	4.0097165	3.61899	3.534528	3.7862995	3.405132	3.6306145	3.725877	3.6865985	3.7448045	3.300403	3.8684815
PMS2P5	5.630742	5.5597	5.292069	4.441442	5.709941	4.818869	6.089982	5.281919	5.218958	6.312793	6.091172	6.794451
PMS2P3	7.1519065	7.3437735	7.1740185	7.021078	7.653643	7.6454475	7.816155	7.651945	7.5675315	7.57459	7.9532845	7.4323615
PMS2P1	7.8969495	8.0964975	7.805546	7.867707	8.1823315	7.953541	8.13152	8.062815	8.047817	8.1751025	8.57235	8.0765995
NREP	9.294502	8.4602	8.904799	8.682072	5.140351	4.578779	4.571312	5.252513	5.348228	6.828938	4.594325	6.85327
MSANTD3	9.780162	9.7486005	9.752092	9.6628395	9.3296275	8.2951065	8.9560915	9.356655	9.489648	8.763891	9.334514	8.457478
JMJD1C-AS1	5.245702	5.297498	5.15267	5.040454	5.555992	4.380221	4.703276	5.259912	4.761652	4.283201	4.595594	4.380221
TUBA3FP	5.857847	5.683305	5.554998	5.546354	6.330443	5.251347	5.149712	5.999931	5.689916	5.475172	6.027902	5.023561
TAPT1-AS1	4.548248	4.199297	4.536093	4.229609	4.64059	4.085438	4.948577	4.687522	5.306358	6.75236	4.130914	6.6768
CEP19	6.2637665	5.4481585	6.4050435	6.2786745	6.240223	6.6502175	5.536937	6.1933215	6.258231	5.2652745	6.2051015	5.1546675
NYAP1	4.493959	4.679813	4.582008	4.554707	4.814749	4.752625	4.927866	4.920262	4.788893	4.844	5.050302	4.433249
SDE2	7.7971535	7.9591925	7.79538	7.565769	8.871421	8.633454	8.6315895	8.7524265	8.091402	7.833935	8.905389	7.7941465
CCSAP	4.082976	4.6580855	4.55601	4.4424345	4.3721855	4.6624755	4.3928795	4.6408255	4.0141555	4.1044885	4.0940285	3.8461345
TBC1D32	5.0701145	4.9476425	4.7740255	5.0420825	5.223593	5.3492065	5.1011425	5.190913	5.960768	5.899752	4.675306	6.153481
AJUBA	6.9994685	7.029156	8.12219	7.3514285	6.1105175	7.7830475	6.291158	6.5194375	9.5079445	6.0285545	6.241016	5.615429
DTD2	6.977075	6.4851985	6.487305	7.2829915	6.956364	8.3208745	8.1731905	6.9001505	7.7446065	6.8416315	7.6798495	7.1194615
PPP1R21	7.7529215	7.3287195	7.37181	7.1208495	7.7950225	7.439453	8.315992	7.7687095	7.3904065	7.6590445	7.2928525	7.4328635
TMEM237	7.696484	7.5475085	7.760316	7.735549	7.611966	7.3335665	8.233244	7.6077855	7.8637715	7.848024	7.067168	7.6760405
MAPKAPK5-AS1	7.065473	6.872242	6.603015	6.4911885	7.0707505	7.6422915	7.3956635	7.0454965	7.1440505	6.936928	7.647463	6.7973095
ARHGEF28	5.29812	5.30346	6.347916	6.09239	5.3887725	5.355037	5.7604995	5.5655125	7.3138965	5.6551355	5.423307	5.2812335
USB1	7.007669	7.034708	7.462225	7.434165	7.23298	7.502087	7.048865	7.15048	7.004678	6.789445	7.066788	6.919097

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
ASH1L-AS1	5.855784	5.03529	5.491807	5.978283	7.06602	6.531824	7.341606	6.982335	6.596151	6.254025	6.874645	6.532875
CCSER2	6.669702	6.8381525	6.7527605	6.3085725	6.7121195	6.918311	6.2740025	6.6235705	7.283075	5.6587575	6.361066	5.712624
JPX	4.3094075	4.498244	5.1535135	4.58428	4.8552245	5.585362	4.805112	5.0117365	5.15899	5.2636595	4.557952	5.6431195
HILPDA	8.8453965	9.576711	9.6614195	8.6752165	7.154325	8.177202	7.422085	6.8878095	7.4706525	7.798666	7.9358615	7.527345
HNRNPDL	10.49374	10.45862	10.2177195	10.105441	10.63573	8.9612825	11.09955	10.53535	10.116404	10.58971	9.756604	10.303926
CCDC181	2.740003	2.69872	2.708737	2.483177	2.761185	2.547127	2.742902	2.88804	3.329325	4.696769	2.71384	3.386056
PAXBP1	6.068738	5.956345	6.402298	6.179499	7.189144	6.915789	7.824186	7.340304	6.359516	7.43765	6.383684	7.468729
STRIP2	4.8522825	5.114065	4.557384	4.6722135	4.443912	4.758609	4.669418	4.5930475	4.864157	4.2864705	6.5711865	4.429123
ERVH-6	4.7434575	5.350326	4.7910415	4.7864085	4.768996	5.00887	5.928862	4.7010145	4.293348	4.4798675	4.2540095	5.134887
THUMPD3-AS1	6.3620665	6.0833615	6.1915565	5.147768	6.9099865	5.0427945	6.757716	6.9501515	6.564976	7.0648585	6.1250735	7.010592
GLIDR	6.272804	6.4957225	6.312207	6.3835475	7.5499645	7.730402	7.5735835	7.715865	7.2769075	7.6856525	7.4399485	7.779874
TCAIM	5.879778	6.120248	5.887426	5.885668	7.324159	7.930694	7.832686	7.40718	6.801463	5.387998	7.002195	5.059717
ASB16-AS1	5.978416	5.457062	5.363812	5.602716	5.840676	5.227656	5.695826	5.832651	5.824967	5.603169	5.668964	5.961349
RAB11B-AS1	5.3090885	5.6596225	5.356737	5.032418	5.1750445	4.451482	4.5113415	5.065423	5.1285705	4.5178395	5.616796	4.341195
LINC00847	5.990977	6.357549	5.866673	6.084025	6.714718	6.581188	6.665216	6.606194	6.492687	7.018552	7.854599	6.693657
EMC1	7.800591	7.558019	7.636121	7.744569	7.584239	9.067236	8.018535	7.755515	6.982255	8.133738	8.451889	8.191842
LOC100310756	6.341331	6.816664	6.82689	6.835723	6.822303	6.26347	7.035377	6.539623	6.811228	6.387502	6.721529	6.195586
LOC100287015	3.803516	3.693105	3.592298	4.1063685	4.3953265	4.608792	4.6035655	4.2178165	4.720511	5.2165075	4.7711875	4.4838635
TBC1D31	5.1441325	4.5723155	5.1221955	5.5143345	5.3337225	5.6152855	6.2410245	4.998343	5.553748	5.7847505	5.3101965	5.72154
RNF144A-AS1	3.486302	3.554006	3.657659	4.114353	3.71251	3.474544	3.701336	3.8602	3.866881	3.662833	4.207376	3.318742
ALMS1-IT1	4.179627	3.971837	4.21009	4.805119	3.446299	3.870608	4.194859	3.761405	5.834132	5.043922	3.863364	4.873142
UBAC2-AS1	4.4029945	4.2869205	4.269725	4.3243065	4.7311745	5.101698	5.366035	4.7156995	3.856762	4.4447285	5.160359	4.395493
LINC01128	4.749701	4.760921	5.009664	5.086667	4.991121	4.462955	4.642841	4.719495	5.586447	4.377004	4.877268	4.275561
ASAP1-IT2	4.262341	4.07351	4.750617	4.344147	4.006358	4.463257	4.497523	4.343491	4.429586	6.199878	4.84956	7.058376
CEP128	5.289839	5.577249	5.097874	5.106161	5.355272	4.927189	5.815853	5.229722	4.728911	5.027295	3.983837	5.28929
NEMF	8.5337925	8.115618	8.4081225	8.1332445	8.9780075	8.7977265	8.8076965	9.124525	8.17326	8.781935	7.1449055	8.859521
C8orf88	7.6127405	7.260439	7.3114185	7.327088	7.2969115	6.784164	8.513226	7.274447	7.017625	6.857898	6.4276505	6.9531555
CCDC174	6.077328	6.463027	6.500098	6.51878	6.732581	6.82972	6.668882	6.823942	7.251955	6.201303	7.178576	6.179905
LINC00662	4.102015	4.08656	4.227788	4.36684	5.048034	4.805847	4.605741	4.410369	4.689895	5.012753	5.626967	5.088454
TONSL	5.602772	6.441675	5.897355	5.883639	5.721735	4.971236	6.291297	5.201465	4.885383	5.44451	5.000705	5.490426

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LINC00622	3.854226	3.165738	4.228737	3.906638	4.149152	6.539268	3.316709	4.194707	2.743876	4.706173	6.052586	5.596416
ZNF252P	5.823929	5.427146	5.499464	5.337183	5.46117	5.120924	5.4951265	5.470992	4.9029755	5.8469215	5.4758845	6.3039455
LOC100288637	5.012067	4.996506	4.999347	4.812447	4.885563	4.580523	6.367776	4.537818	4.509562	5.15887	4.620265	5.721108
NUTM2A-AS1	5.28879	5.338282	5.828289	5.91013	6.039125	6.226965	4.929437	5.868143	5.336886	4.621386	6.51094	5.646337
NNT-AS1	7.147079	7.024315	6.648961	6.714749	6.214653	6.398143	6.638041	5.98718	7.725941	7.475621	7.413838	7.376463
HTATSF1P2	3.065195	4.139477	4.068066	4.798886	4.585951	7.444037	6.559693	4.28661	3.596843	5.448761	6.066514	6.680227
EFCAB14	7.102928	7.333029	7.247135	6.887726	7.272514	7.485628	7.384074	7.176787	6.300241	6.658418	6.99306	6.487281
PPP1R26-AS1	4.01695	4.1310925	4.225361	3.937271	4.5579635	4.297908	4.046169	4.6037815	4.160174	4.399802	6.213205	4.3641655
SKIDA1	3.552814	3.340451	3.549143	3.511876	3.9651475	3.522412	3.506412	4.0312225	3.744819	3.6009425	3.5073535	3.681821
SMIM7	7.602333	7.3766945	7.6803265	7.559405	7.4152235	7.397778	7.339761	7.2618655	8.187299	7.277522	8.277386	7.088681
LINC00630	2.5872385	2.9761025	2.696923	2.890879	2.8137615	2.6407	2.802753	2.81255	3.20418	2.9617135	2.558198	2.937969
LOC100996419	3.881371	3.4743685	3.552072	3.6992005	4.1310115	3.9714155	3.7723675	3.8364565	4.513713	4.604619	5.109259	4.4217145
CCDC171	2.913267	2.62989	2.751815	2.867831	2.798662	3.161711	2.913163	2.950647	3.532722	2.925876	3.1804	3.066144
LINC00960	6.31411	6.936676	6.647628	6.191154	6.899316	6.988487	7.665816	6.897307	7.327475	6.998661	7.696967	6.36955
GPATCH11	5.914623	5.5698485	5.2383165	5.847775	5.931492	5.772651	6.1723155	5.7126915	5.2069615	5.296294	5.285762	4.8768485
LINC01091	2.7430195	2.847673	2.864117	2.8060025	2.812017	2.8510195	2.7262805	2.7332035	2.7897215	2.733362	2.660359	3.419385
HECTD4	3.7611515	3.656214	3.6872115	3.705614	3.7024295	3.7720345	3.9434895	3.915643	3.7169185	4.007487	4.061657	3.9799335
LOC100506730	5.254452	5.466517	5.442529	5.157098	5.6980025	6.3567925	5.2422285	5.595818	5.433281	5.833731	5.5139585	6.047262
KAT6B	6.863155	7.559859	7.049765	6.445469	6.363883	5.887597	6.166578	6.186549	5.814668	5.814991	5.680444	5.652423
CTSLP8	7.516321	6.849513	6.611087	6.559566	5.663846	6.299205	4.932879	5.593676	5.641481	3.479113	7.044392	4.123299
LINC00869	3.986501	3.9855555	3.895064	3.9546095	4.110826	4.4676995	4.0843195	4.059174	4.816961	3.9034275	4.084913	3.7217245
ERVK13-1	3.769242	3.934109	3.826993	3.833735	4.206701	4.350896	3.912892	4.206701	4.037361	3.860898	3.802684	3.137481
LOC100630923	4.261788	4.4322345	4.866055	4.342366	4.446573	5.5101795	4.962282	4.558609	5.0481605	5.063074	4.8634475	4.8916205
LINC00957	4.096158	4.361943	4.388518	4.565527	4.402022	4.605896	4.580734	4.328243	4.323375	4.323379	4.323186	4.307139
ZBED3-AS1	3.5272105	3.3866055	3.519039	3.4596255	4.9895905	3.8535855	3.934432	4.567201	4.327084	4.2150265	4.4839445	4.505451
SMIM13	5.1283	4.986887	5.357298	5.177278	6.393451	7.08822	6.447027	6.348889	6.292266	4.381201	6.466245	4.207216
SLC9B2	7.3080595	6.6221715	6.8418075	6.746901	7.791582	7.90319	7.241212	7.7707455	6.110959	6.777309	7.5556305	7.4788705
ZGRF1	3.521503	3.058613	3.188453	3.044121	2.979109	2.846896	3.189806	3.038548	2.928607	3.048086	3.003777	3.188604
SPRY4-IT1	5.9143185	5.1035055	4.7028365	5.088061	5.074945	4.616995	4.5703895	5.1354475	4.689145	5.5753685	5.388256	6.2776735
PCBP1-AS1	4.608762	4.759276	4.666112	5.068032	5.070562	4.726471	5.0671285	4.9581665	5.3958585	4.9679925	5.4019815	4.8670595

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
IFT43	8.103547	7.748571	7.987642	8.100825	7.558059	7.344555	7.113261	7.723448	7.687666	7.39588	8.329223	7.206552
SLC16A1-AS1	5.193255	5.759339	5.382786	5.351497	5.395552	5.78632	5.21894	5.313245	6.488365	4.399636	6.098448	5.690063
ZFP69	4.705855	4.434441	4.417987	4.967415	4.426805	3.900628	4.726682	4.294264	5.092661	5.641423	4.838179	5.111617
ZNF891	4.356451	3.840688	4.3465605	4.0710755	4.139881	4.2458435	4.4030625	4.0971335	3.5345475	5.2169435	4.4869805	5.275436
LOC101927151	5.8101945	5.4392675	5.370963	5.49897	5.7637035	7.141947	5.6871625	5.7284545	5.9065995	6.282318	6.164181	5.877575
SEC24B-AS1	4.659735	4.745158	4.815155	5.110912	5.768186	4.744783	5.496299	5.421821	5.164833	5.768186	5.071732	5.908889
CCDC169	3.2625945	3.4155275	3.2934415	3.308156	3.304654	3.298721	2.9081415	3.2837015	3.2903635	3.0070365	3.592624	3.463458
SCAF11	8.303227	8.520518	8.358326	7.644571	8.930075	8.771181	8.633607	8.985927	8.07775	9.21316	7.39866	9.003517
RTCB	9.852739	9.296672	9.655266	10.02371	10.23591	10.21912	10.54478	10.36661	9.540297	9.381723	10.56665	9.227138
KAT7	8.067382	8.007941	8.06833	7.827437	7.878852	7.415496	7.886204	7.821345	7.941512	7.8224	7.896181	7.770017
ZPR1	8.220639	7.970108	8.271114	8.429317	8.436024	9.086778	8.746513	8.389645	8.356979	8.448601	9.409775	8.46594
CNPPD1	6.8695505	7.420048	7.17672	6.968129	6.0463185	6.032761	6.0543425	6.0462635	6.202552	6.4151605	6.208812	6.174089
KXD1	4.898751	5.063379	5.023882	5.110913	5.100666	5.21072	4.874053	5.306438	4.865307	4.955788	5.183475	5.021722
IST1	7.311001	6.9589265	7.3523555	7.3876135	7.4985	7.4432755	7.5300805	7.6484865	7.5801025	8.0734525	8.010584	7.7727745
PKM	7.131301	7.006402	6.077967	6.275795	5.502551	5.218958	5.90889	5.303043	6.268521	7.16406	5.362604	6.894262
BAG6	9.832388	10.0843755	10.03096	10.128025	9.59271	9.0443485	9.473828	9.4484795	9.152632	10.04419	9.103541	10.093385
MOB1A	8.5183745	9.0321105	8.9332575	8.598647	9.135639	9.418876	9.273747	9.0716845	8.8687055	7.8007555	8.248291	7.31726
DDX39A	9.760273	9.225932	9.006195	9.347744	10.45033	9.98769	10.75168	10.26179	9.313901	9.506857	9.782847	9.485289
CNIH1	10.5797305	10.421248	10.808702	10.6505755	10.8826525	11.26461	11.052965	10.797753	10.3322795	10.2545505	10.302519	10.2766935
HMCES	6.5711965	6.454146	6.9402605	6.8738835	6.3055255	7.52323	7.1588275	6.2108655	6.9831985	7.6300075	6.804758	7.5003855
ARHGAP35	6.698199	6.545807	6.634884	6.659008	6.199574	5.804564	5.734104	6.011054	6.294495	5.831852	5.928818	6.227981
AREL1	5.173104	5.519541	5.489635	5.322615	5.282698	5.338516	5.106597	5.382795	5.181885	4.842957	5.044981	4.737427
LAMTOR5	11.01657	10.75987	10.6297	10.837455	11.386165	11.56414	11.13655	11.304225	10.308895	10.864845	11.216675	10.765065
KAT6A	6.4500685	6.768609	6.3507765	6.277049	5.908875	5.670254	6.050918	5.791	6.013474	6.2417785	5.8901355	6.3504435
MPC2	8.5770615	7.571888	8.470171	8.8948425	8.1499005	8.2113095	8.422338	8.3111705	8.157706	7.207184	7.3449625	7.059244
CHTOP	9.005299	8.657047	8.863791	8.794324	9.046298	9.002859	9.605796	8.878305	8.820261	9.326484	9.311733	9.225179
CTPS1	8.190534	7.659275	8.266396	8.28971	9.536197	9.550207	10.11187	9.485388	8.359442	8.325762	9.172007	8.538731
NELFB	8.679672	8.844988	8.562491	8.639816	8.323071	8.420061	8.313947	8.152692	8.058216	8.184154	8.020321	8.297374
PIEZO1	6.013175	6.479527	5.948735	6.064803	6.50647	6.340773	6.297503	6.440173	6.36566	5.876514	6.221828	5.975214
WBP1L	8.652139	8.037235	8.48449	8.852147	8.811442	8.498878	7.898274	8.761438	8.916615	8.903815	9.595662	8.763289

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
MOB4	9.49375	8.967575	9.421597	9.56917	9.194889	9.166421	9.392017	9.055276	9.538027	9.234354	8.935111	9.248864
TRAPPC12	8.015716	8.195366	8.024213	8.273937	8.333136	7.517668	8.202638	8.346048	7.064109	9.15545	8.139124	10.14948
SCAF8	9.493932	9.269519	9.65521	9.540643	9.432434	8.97238	9.460262	9.49081	10.52782	9.541378	9.505151	9.476948
KMT2B	4.388485	4.642832	4.413855	4.173815	4.175959	4.277555	4.136232	4.113772	4.161676	4.240297	4.010704	4.031843
SUCO	9.41775	9.04023	8.707047	9.203669	8.496853	8.247494	8.772402	8.461735	9.463863	9.479012	8.243062	9.03817
EMC2	9.269437	9.241431	9.048882	9.078816	10.15661	9.191694	9.765975	10.09942	9.870692	9.61203	8.654655	9.501338
RTCA	8.3858185	8.083728	8.303865	8.5931375	8.341949	8.4650415	8.3386765	8.3002795	8.5367155	8.240602	8.6100385	8.3629245
PPP1R26	6.588807	6.165311	6.679518	6.623476	6.534448	5.749959	6.094101	6.236162	6.883659	6.804723	6.911889	6.821268
MYRF	4.179627	4.599797	4.417348	4.393159	4.311557	4.447499	4.319413	4.393159	4.100366	4.387371	4.344637	3.73881
CEP104	5.725134	5.098293	6.030249	5.71795	5.595615	7.346311	5.964009	5.67992	6.21044	6.071283	7.034341	6.49597
TMEM243	9.593001	9.493317	9.681499	9.379915	9.372684	9.129848	8.826448	9.215939	9.699489	7.522529	9.027717	7.062494
ANAPC15	7.953711	7.860069	7.502081	8.339479	7.344158	7.250273	7.533657	6.952254	6.377442	6.851051	7.21805	6.722416
DNPH1	8.049406	8.118994	7.311533	7.648109	8.488356	8.197926	8.763178	8.264441	8.385975	8.263723	8.593916	8.157891
CAPN15	6.01952	6.706008	6.0547375	5.854523	5.4983195	6.086272	5.8856795	5.33167	5.296534	5.4533335	5.704528	5.3529945
CTIF	6.5296855	6.7750035	7.1721815	6.8633225	6.300124	5.703619	5.9192945	6.086505	6.5040725	6.4276595	6.721187	6.466959
MRPL57	8.514972	8.832897	8.129417	8.624379	9.425632	9.801049	9.919099	9.39373	7.957805	8.829731	9.523223	9.040554
DIMT1	9.002975	9.3734455	9.2606395	9.05977	9.6019285	10.2932	9.718372	9.564017	8.888177	8.704171	9.9651215	9.0157865
LZTS3	6.507181	6.501603	6.300136	6.305658	6.085933	6.656436	5.894865	6.152239	6.698257	6.293225	6.452332	6.927144
FAM216A	9.065614	8.968245	8.77238	9.281161	9.7546	10.18154	9.751327	9.637712	8.656516	9.205845	10.26542	9.673727
DXO	7.541469	7.435959	7.502904	7.476408	7.697546	6.93073	7.582104	7.594615	8.130776	7.446822	7.054657	7.530627
NPIPA1	10.62662	11.03397	10.80041	9.656052	9.723511	9.296733	9.312754	9.542489	10.60814	10.76005	11.27966	10.84376
MIEF1	7.6315285	7.583177	7.865207	7.958123	8.1209955	9.260607	8.6072695	8.106323	8.13242	7.97386	8.886085	8.027868
CCP110	5.757962	5.3679475	5.419174	5.6536635	5.7957655	5.085094	5.884788	5.6840445	5.4483035	5.8216685	5.40573	6.532556
CENPC	6.311034	6.422661	6.365691	6.521722	6.941535	6.223325	6.850422	6.807568	6.329271	6.323023	5.120351	6.460302
JADE3	6.844797	6.203162	6.770308	6.95064	7.368951	7.176017	7.462535	7.442295	7.41704	6.873329	6.471768	6.299206
GEMIN2	7.0210675	6.3666495	6.7051195	7.3655475	8.053952	8.001075	8.4042065	7.914072	7.5519375	7.2294745	7.7766975	7.207594
MOK	7.29016	7.830357	8.365267	8.150468	5.989761	5.917912	5.627286	6.083823	7.131746	6.029063	6.528738	5.969894
ASIC1	5.2831325	5.6497585	5.6054955	5.838595	5.530885	5.8850355	5.6384675	5.5486065	5.7968785	5.6253945	5.785978	5.99735
ZSCAN9	5.9404695	5.6104415	5.926082	5.9634295	5.86196	5.258099	5.643116	5.8209385	6.2924215	5.9591035	6.328038	5.9070075
ZC2HC1A	7.083474	6.845488	6.599494	7.119179	5.446609	5.302455	5.686132	5.59113	6.284273	7.175409	5.394984	6.798317

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
CNTRL	4.924893	4.9744015	5.0745045	4.8452865	4.559093	3.6503315	4.436512	4.582657	4.5670475	5.1661625	4.3214175	4.7401985
CEP162	5.492439	5.0915215	5.1982365	5.5007095	5.991748	4.55872	5.467714	5.765633	6.5248885	6.460561	4.318182	5.542578
ZKSCAN7	5.906494	5.2605555	5.0700865	5.6036235	5.6676425	4.86003	5.6985885	5.7822845	5.6061705	5.7690595	5.488631	6.0631075
COA1	5.273262	5.382532	5.13444	5.300713	5.6115665	5.357011	5.771368	5.522888	5.904397	5.2392685	5.291984	5.3327975
MIS18BP1	5.5551635	5.1749755	5.2530625	4.71973	5.555546	4.7977985	5.946063	5.4411005	4.355255	5.7471145	4.084914	6.2309345
KRBOX4	7.703051	7.491581	7.867829	7.772216	6.804107	6.690995	6.876884	6.58997	8.061233	7.958435	7.349594	7.697558
APMAP	10.13335	9.921822	10.06143	10.12504	10.15649	11.15547	10.27706	10.25056	9.640696	10.44473	10.48689	10.60548
ZBTB18	6.0739555	6.6703885	6.369046	6.6746315	6.7153605	6.557072	7.587258	6.5189635	6.7474635	7.802692	6.4818695	7.198338
SOGA1	4.887759	4.6310565	5.000396	4.4937565	4.2386845	4.1758945	4.5183265	4.2032725	4.1253445	4.782428	4.3756555	5.8354985
FAM214B	7.810451	7.6303425	7.3091615	7.684561	7.629134	8.8103715	7.330739	7.622412	7.117166	7.0105105	7.898874	6.9727305
LDLRAD4	4.545569	4.3494995	4.7320375	4.4378895	6.445657	4.5851645	4.7952875	6.530854	4.6443585	5.1962585	6.301965	5.285462
EDRF1	4.811076	5.071199	4.97479	5.064412	5.263583	5.259446	5.185493	5.052099	4.833736	4.856326	4.929744	4.411219
PRRC2A	7.913379	8.578431	7.92361	7.888898	7.624186	7.930103	7.7834	7.279514	7.378655	8.76017	7.559348	8.752162
ZBTB14	6.113066	6.125661	6.4621135	6.0684805	5.843349	5.2825615	5.8442	5.702933	6.203085	5.617148	5.9081715	5.480595
JADE2	5.344082	5.595867	5.229459	5.479224	5.473083	5.093357	5.441157	5.272998	5.03797	5.035035	5.684675	4.899966
TUBB4B	12.27928	12.15895	11.958605	12.12648	12.32688	12.050745	12.398075	12.3199	11.13106	11.529005	11.645965	11.433785
RSRP1	9.411248	8.721659	9.0117345	7.781433	9.7725745	7.7931755	9.0399775	9.785825	7.5688365	9.790462	8.1542545	9.5335475
OSER1	7.884267	7.641215	8.0610015	7.90682	7.7231235	8.075116	7.6193225	7.8127805	8.236963	7.8162785	8.7678255	7.7471305
WDR45B	10.15891	10.3635	10.73529	10.25465	9.766267	9.959511	9.713481	9.781907	10.25741	9.876968	10.11824	9.785994
MSMO1	9.635659	10.25738	10.20284	10.38904	10.79335	11.45743	10.90013	10.85165	11.02091	10.59149	10.57051	10.10749
NSG1	4.941082	5.302127	5.171549	5.391309	6.282313	5.758904	8.046711	6.137841	5.144019	9.322033	4.944353	8.993881
ECI1	8.125092	8.142704	8.662258	8.317113	8.452789	8.525846	9.130853	8.093799	8.862575	8.964249	9.500509	9.203756
AP5Z1	5.210745	4.942971	5.67733	5.822865	5.698118	6.052416	5.550825	5.714157	6.739107	6.777276	6.634749	6.950386
CTSV	6.384185	6.410656	6.31288	6.380536	6.433833	6.718417	6.619606	6.427659	6.583833	6.176971	7.2062	6.63783
URI1	7.618729	7.5892395	8.061196	8.0193645	7.680783	8.4877655	8.5704225	7.820405	7.6836765	7.2304875	7.4691985	6.872688
GCFC2	6.692059	6.255553	6.7974935	7.0036605	6.963902	7.655488	7.937028	6.921907	7.328744	6.846639	6.5864415	7.075475
CMC4	8.084111	8.0320015	8.4412925	8.373416	7.933595	6.3682415	7.625772	7.726298	8.411878	8.3133455	7.60171	7.8050335
DTX2P1-UPK3BP1-PMS2P11	7.9652951	8.318373	7.975317	7.9655195	8.228196	8.0151945	8.056158	8.2125565	8.0025255	7.8979075	8.2121765	8.01303
SC5D	6.7561285	7.0437835	7.168585	6.547366	8.3676325	7.88082	7.472509	8.337638	7.6325205	6.9882585	6.557255	6.490442
MT1HL1	12.26219	12.40123	12.10238	11.3378	11.56279	10.32333	10.26906	11.2883	12.82647	9.976746	11.01056	9.470982

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
IGH	5.0042185	5.4647405	5.049236	4.995234	4.672886	4.8660525	4.699596	4.8211825	4.741338	4.747242	4.9358415	4.5455775
PRRC2C	8.074941	7.8135265	7.5570045	6.7243665	8.6033675	9.16578	8.955409	8.6142185	8.668029	9.3669045	8.4610745	9.467806
SZRD1	8.655605	8.5433745	8.316956	8.6845095	8.3306985	8.77617	8.358081	8.137043	7.625881	7.3327865	7.9355	7.043214
TPGS2	6.541074	6.54293	6.486416	6.90921	6.178654	5.566987	6.047727	6.00561	6.920846	6.090022	5.403532	5.852663
GSE1	8.771522	7.885167	8.592935	8.360081	7.640306	7.275695	7.26307	7.609178	7.871801	7.85822	7.020901	8.262611
U2SURP	7.111372	7.329848	7.610109	6.883515	7.630891	7.180764	8.278723	7.170606	7.891494	8.837642	7.349063	8.959276
PRRC2B	8.093196	8.087379	7.813231	7.60182	7.397226	7.928367	7.402944	7.297041	7.019164	8.24059	7.326794	8.059679
KMT2A	5.089408	4.7728895	4.905667	4.5833075	5.1187285	5.964711	5.6207395	5.178704	5.0638285	5.5966475	5.430459	6.2168285
PNISR	7.8882795	7.771455	7.8052515	6.8299375	8.139419	6.971939	8.122327	8.135903	8.1543565	9.0821815	7.041369	9.035529
ZSWIM8	6.2398035	6.6561045	6.6026225	5.8704575	5.9148705	5.9783625	5.924412	5.949313	5.9762035	5.8957855	5.6461085	5.830084
DESI2	5.871839	5.867918	5.671525	5.471135	6.375385	6.371358	6.641228	6.234643	5.856295	5.257221	5.670753	4.985972
CMTR1	8.15062	8.202887	8.181477	8.334184	8.164366	7.925253	8.196807	8.163909	8.553193	8.022331	8.01474	8.029747
MICU2	9.996349	9.826813	9.70854	10.15292	10.46344	10.60741	10.15724	10.46754	9.731882	9.856176	9.873481	9.767012
KIAA0930	6.73323	6.365751	7.869764	6.928058	6.934475	8.264365	6.820669	6.897428	7.04658	7.534769	7.877538	7.110942
CERS6	7.075391	5.972227	7.117334	6.945958	8.512583	6.797246	8.3979055	8.5270525	7.8995555	8.38526	7.5407285	8.102673
CLUH	6.7467625	6.747229	6.489644	6.6248095	7.01597	7.429705	7.25642	7.071804	6.808298	6.9142045	6.991318	6.8120945
SPTSSA	8.393674	8.327197	8.4517995	8.420324	9.1064095	8.5941325	9.5313945	9.0234935	8.6714515	8.558087	8.352185	8.124247
SPIDR	4.935694	5.351213	5.616192	5.4595835	5.333583	4.7969475	4.8054865	5.2137825	5.3085795	5.5714445	5.405273	5.474013
DESI1	7.9849625	7.7763895	7.922127	8.157329	8.8848885	9.003951	8.7954485	8.773298	8.2134765	8.2741345	9.21807	8.7067785
UFL1	8.196518	8.138149	8.544792	7.871961	7.697394	7.707722	8.001848	7.805213	7.998848	8.017026	7.573462	7.664863
CAMSAP2	8.494964	8.046016	8.753447	8.358598	8.57942	8.705264	8.065598	8.725851	9.054805	7.390069	7.806877	7.026827
C2CD5	9.109747	8.932459	8.90296	8.907248	8.812177	8.322262	9.999108	8.794661	10.02451	9.38172	8.141887	9.54439
VWA8	7.093282	6.937891	7.4709675	6.3685035	7.165277	7.2893345	8.350841	7.29103	6.021585	7.820106	7.098679	8.123162
ACKR3	6.084656	4.916283	4.996443	4.592555	5.26727	4.677076	4.601236	5.174839	5.947857	4.934172	7.272415	6.651203
TSR3	5.4946275	5.9906245	5.668382	6.206164	5.983471	6.5047925	5.9432785	5.768493	6.0519095	5.5323595	6.450653	5.8936965
ZSCAN26	7.104778	6.902352	6.91747	7.107402	6.409985	5.527668	5.98158	6.790074	7.23555	7.496211	6.873378	7.328563
BBIP1	8.822035	7.791905	7.924678	7.556906	7.423827	7.737875	6.744224	7.95975	6.830958	6.628033	7.104876	7.386313
KNOP1	6.81826	6.69116	6.313404	6.457724	7.40435	6.975368	7.409486	7.232262	6.681822	7.192663	7.617174	7.251975
CEP170B	7.743678	7.997537	7.795856	7.942934	7.085183	7.955856	7.073883	7.322529	7.728424	7.206489	7.647041	6.77869
TMEM251	7.273794	7.124774	7.727352	7.934717	9.302505	8.604813	8.746716	9.364865	9.05861	8.055182	8.553911	7.42762

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
AGO2	7.215143	6.68271	7.597274	7.129282	6.707568	7.209321	7.545215	6.620836	5.271403	6.918109	6.836001	7.012733
SMIM8	4.536912	4.572297	4.924386	5.018201	5.41028	5.411629	5.919878	5.115156	5.701085	5.273451	5.300884	5.140612
OARD1	6.795004	6.2593645	6.315954	7.001531	6.753523	6.449005	6.604047	6.7124685	7.3708015	6.6717485	7.289853	6.825852
TP73-AS1	6.092754	6.720211	6.486597	6.119237	6.259443	6.209353	6.060692	6.296071	6.170641	5.814728	6.060692	5.772363
TEX30	8.554268	8.381163	8.324543	8.396369	8.136255	7.735298	8.368392	7.911807	7.638605	7.536338	7.312656	7.725691
MTCL1	9.016333	8.957825	9.390371	9.354998	9.121815	8.614049	8.997179	9.209496	9.154142	10.2397	9.883566	9.752813
KAZN	5.7609705	6.539724	6.3905805	6.4655115	7.159691	6.743914	6.9492455	7.038492	7.540492	7.437065	7.4996035	7.2632205
GUSBP11	6.212322	6.415078	6.29815	6.019496	6.325706	5.946415	6.676685	6.263958	5.933832	6.10639	6.189098	6.233982
USP32P2	6.4456515	6.9208245	6.845846	6.3901195	6.6464485	5.977442	6.544108	6.7046245	6.67157	6.822987	5.789476	7.3746485
METTL18	7.076746	6.298368	6.935434	7.398523	7.199025	6.76168	7.194599	7.013326	7.844584	7.019642	7.339486	7.299475
CEP112	4.933009	4.853212	4.951285	4.964412	4.832275	4.851228	4.727567	4.921177	4.86941	4.822001	4.960163	4.812487
LINC00342	4.866373	4.896011	5.047146	4.377004	3.900519	4.471171	4.347003	3.860012	5.020786	7.437559	5.366876	6.65879
CACTIN	6.131198	6.520944	5.933516	6.460616	6.59186	6.892374	6.414073	6.396254	5.978736	6.085979	6.22943	6.322875
EFCAB11	5.5988625	5.2368435	5.3557395	5.1125245	5.4540915	5.2180035	5.0631565	5.382694	5.261266	5.0235205	5.2551255	4.858266
CHP1	7.4345595	7.4460405	7.6450245	8.008559	9.4675725	10.280539	9.6449005	9.589475	9.1187185	8.511516	9.1744615	8.4022455
PTBP3	6.715243	6.784205	6.98489	6.919608	7.145187	7.217996	7.090097	7.537284	7.448351	6.046913	5.908889	5.461555
THAP9-AS1	7.931618	8.708785	8.766323	8.75613	8.612245	9.205865	9.538918	8.62113	10.09859	9.782452	10.10513	10.07253
CCZ1B	4.246804	3.859012	4.17605	3.571041	3.574881	3.053541	4.119271	3.701666	3.457736	4.191895	3.649966	5.674892
LINC00667	6.301754	6.081541	6.404937	6.4736585	6.719127	7.403183	6.6780355	6.6950715	6.962691	6.746885	7.5931905	7.433962
SUPT20H	8.117628	7.491173	7.522874	7.721782	7.519589	7.380687	7.457395	7.544994	7.121813	7.94788	7.676149	7.47354
OR7E12P	5.745865	5.586788	6.14917	6.518344	6.24114	6.290819	6.550805	6.632818	6.311101	6.577489	6.127056	7.402612
MICU1	9.425912	9.529462	9.425968	9.300081	8.541741	7.882642	8.041924	8.2062	8.39171	8.350871	7.618669	8.22822
ELK2AP	7.031186	7.595862	7.549453	7.944528	7.671782	7.369959	7.385889	7.541286	7.357527	7.243428	7.294096	7.23122
NXPE3	5.406058	5.130186	5.769181	5.971268	7.158871	6.426784	6.247788	7.057954	6.978189	5.236902	6.295684	4.954596
BRINP3	3.073444	2.9185	2.837107	3.011029	7.76155	3.73065	6.140739	7.489432	3.062337	7.880322	3.038536	6.961533
LINC00963	5.8255345	6.012859	5.9048415	5.6985885	5.0234415	5.6579085	5.3642895	5.191256	6.8314645	4.7555335	6.2514365	5.3226775
SEC14L1P1	4.281301	4.609408	3.733702	4.609852	4.896191	4.131981	4.855405	4.882776	5.008655	6.309853	5.418615	5.905838
COPG1	8.27142	8.931395	8.845587	9.628296	9.912994	8.969984	9.876307	9.976701	9.152917	10.40048	9.80628	10.40598
WDR83OS	10.03247	10.12986	9.842245	10.03923	10.40297	10.35283	10.27058	10.39611	10.09803	9.930528	10.40907	9.663541
ZNF106	8.6808705	8.4304205	8.908659	8.7654085	9.9355465	9.387717	8.842329	9.7847455	8.383436	9.6836105	7.9248725	9.618295

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
EMC3	7.634638	7.31061	7.584444	7.740571	7.802366	8.167835	7.787976	7.843727	8.198853	7.34105	7.947841	7.115266
EMC7	7.769882	6.8728505	6.76433	7.5686725	7.9126695	8.7905545	8.046444	8.3340995	8.1730395	7.5969155	9.1199755	7.8610525
MCMBP	7.11816	6.685753	6.97505	6.976812	6.720872	6.16978	7.504505	6.428599	7.645163	6.476353	6.502473	6.819139
UQCC1	6.234397	5.773713	6.215586	5.576342	6.309145	6.6913865	6.4607785	6.360994	5.789526	6.2065135	6.808158	6.0598985
VPS51	9.09265	9.548309	9.484908	9.508177	9.228007	9.062214	9.254848	9.170201	8.18786	9.57925	8.605587	9.709826
LAMTOR3	8.0844195	8.1376585	8.3863015	8.3494175	8.5631115	8.9902435	8.5999325	8.5506235	9.2670665	8.4286365	8.5372315	8.4761855
MSRB1	8.375401	7.97871	8.408956	8.399137	9.158034	8.249998	9.517175	9.18919	8.491361	8.478385	8.871063	8.376005
TIMM10B	7.3644565	7.498211	7.5981515	7.530173	7.7867895	8.342534	7.9133555	7.6949755	8.0588985	7.1889865	8.709379	7.2337545
TMEM248	9.596264	9.291213	9.5551515	9.7570375	9.221211	9.7834315	9.103903	9.2070685	9.320711	8.9500475	9.59234	9.019931
MPC1	5.858137	5.8325365	5.6384175	6.194677	6.181593	5.9970455	6.424829	6.2658255	5.881554	6.3670515	5.962377	6.240165
ECI2	11.37806	11.32682	10.80402	11.22843	10.18738	10.27132	10.19311	10.15839	9.671719	9.494557	9.645277	9.626541
COA3	7.2918005	7.2908605	7.361204	7.296843	7.3595	6.606208	7.475713	7.3477155	7.097566	7.2011575	7.278945	7.1606395
EMC8	9.217426	9.099167	9.40138	9.217636	9.75204	9.931071	9.944138	9.616786	9.340397	8.884886	9.964015	8.65071
NDC1	7.963328	7.5538915	7.568625	7.8194895	8.517447	8.964558	9.333318	8.22532	7.194999	7.5921265	8.005517	7.478829
AAR2	8.135221	8.167211	8.422798	8.293179	8.364134	8.438102	8.320839	8.415521	8.343973	7.818346	8.283088	7.865996
RMDN3	8.543976	8.31793	8.427305	8.282513	8.245217	8.224564	8.661184	8.21652	8.735378	8.088485	8.69579	8.189308
AP5M1	5.889609	5.472579	5.468067	6.050189	6.3346	6.740701	6.316766	6.44334	5.786858	6.511253	5.637823	6.538287
SLC52A2	7.8227905	8.0278365	7.657916	7.738104	7.511149	8.687023	8.1372235	7.4466375	7.906004	8.0498665	8.551561	8.347791
TMEM254	6.5369785	6.5318365	6.879282	6.5276545	5.924493	5.88402	5.7554115	6.040271	6.537366	5.784893	6.807678	5.387237
TRAPPC11	7.882174	7.700331	8.023165	7.938745	7.998464	8.296651	7.958492	8.060651	8.120874	7.850317	7.907941	7.759677
CDIP1	7.1622515	7.3963105	7.259121	7.249223	6.6000405	7.213522	6.9928525	6.7964115	7.1908085	7.3839	6.897633	7.276106
TMEM258	11.54346	11.73923	11.49989	11.36339	11.51678	10.67321	11.46687	11.45275	11.20271	11.5792	11.59695	11.47999
ATG101	9.095383	9.174345	9.703659	9.433424	8.37392	9.035707	7.967699	8.528135	9.289415	7.914967	9.892441	8.338671
EIF2D	9.511951	9.70007	10.06377	9.754393	9.5529	9.444507	9.414473	9.477081	8.590436	9.180443	9.488054	9.162479
AGO1	6.3612195	5.66216	5.953779	6.405782	6.4765255	6.470021	6.49112	6.3522165	5.9237375	6.862355	5.886098	7.040605
LAMTOR2	8.881794	8.789035	8.726419	9.377082	9.473879	10.03023	9.391476	9.463525	9.049287	9.097131	9.858082	8.860084
PAGR1	7.0588415	6.984883	6.9058455	7.1666965	7.16425	6.3839065	7.6760025	6.995659	7.055262	7.078079	7.052364	7.1969965
METTL17	8.6559675	8.4221865	8.454566	8.38547	8.8270045	8.225623	9.000276	8.8065905	8.982783	8.7751845	8.6474745	8.748739
PROSER1	6.8924515	6.379168	6.682268	7.01807	7.3296875	7.6127795	8.0439445	7.171556	7.1082345	7.534831	7.8057415	7.27917
VIPAS39	7.586051	7.310013	7.293234	7.380503	7.565509	7.648895	7.364292	7.7210355	7.868505	7.6443195	8.5056565	7.303328

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TVP23B	9.292421	8.867398	9.116952	9.564039	9.898235	10.24516	9.533005	10.15098	9.687479	9.031096	9.388456	8.863274
CMC2	9.510813	9.291761	9.253516	9.515777	9.5606	9.329388	10.0699	9.432564	9.130049	9.443363	9.335708	9.402692
GID8	8.737237	8.644396	8.79297	8.960967	8.662462	8.793484	8.770933	8.611024	8.367215	8.850556	8.834336	8.589046
FAM222B	6.921372	6.800964	7.077658	6.857917	6.748937	7.190139	6.778435	6.767078	6.895313	7.069818	7.017734	7.245789
COLGALT1	7.5969405	8.221711	8.3232735	8.630037	8.779258	10.0453085	8.9093295	8.821665	8.7590425	8.500561	8.9405445	8.5310385
FOCAD	5.3271845	5.185058	5.188073	5.4657545	5.3525195	5.3290785	5.270769	5.3326865	4.7951865	5.078016	5.21716	5.246747
TMA16	6.289011	6.443998	6.405209	7.361094	7.8598	8.094278	8.503972	7.818672	7.936557	6.705054	7.167519	7.297305
SMG8	8.081963	7.929751	8.219572	8.252601	8.758224	8.751347	8.779866	8.677578	9.131923	8.156945	9.191789	7.902519
JADE1	7.203804	7.4402545	7.3816305	7.7963455	7.8691405	6.085035	7.694163	7.836466	8.1505345	8.4338325	7.098209	8.8147385
RMDN1	5.6902585	5.2846885	5.982012	6.29942	6.3092065	6.5805415	5.7954065	6.291968	6.0468075	6.369841	5.88529	6.628722
MRGBP	7.235516	7.768826	7.702465	7.692913	7.572842	7.847917	7.80852	7.532108	7.735506	7.3374	7.6445	7.293995
CENPBD1P1	8.028124	7.638021	7.589447	7.678417	7.652081	8.020363	7.516472	7.642166	7.319007	8.118312	8.135616	8.118744
NAA60	8.4016805	8.062218	8.6804895	8.2329215	8.3289135	8.507806	8.2006505	8.324906	8.321698	8.444916	8.402899	8.4981095
TRAPPC13	4.811924	4.055161	5.249142	4.91876	5.952458	7.212657	6.846983	5.906946	6.522294	6.00498	5.960513	5.863974
IFT22	7.3495905	7.0579	7.623663	7.373227	6.7923345	6.3371275	6.547495	6.5535675	7.0653275	6.8117445	7.4869335	6.6371995
KATNBL1	6.5722	5.6246985	6.3134875	5.356331	5.279531	5.5783535	5.487034	5.301867	5.792334	6.1493535	5.4347905	6.410604
CENPU	6.36354	5.658563	5.725658	6.434652	5.579971	3.94653	6.176779	5.915533	6.426262	6.209336	5.733908	6.10338
NABP2	6.552022	7.509774	7.0495	7.12494	6.883533	6.783288	7.347421	6.762262	6.662051	5.880832	6.624891	5.771385
RRNAD1	6.18914	6.437143	6.221717	5.779883	5.930617	5.83637	5.721385	5.875963	6.053068	6.263394	6.233878	6.33911
ZSCAN32	6.168239	6.1945015	6.3824315	6.352465	6.7903835	7.076113	6.520858	6.8283285	6.2886625	6.20007	6.794936	6.2926715
VCPKMT	6.0304155	5.6913325	5.9775485	5.563504	5.977731	6.031821	6.0157805	5.9341125	6.0144255	6.1739025	6.0750075	6.3667475
METTL22	7.23077	6.902672	7.2029015	6.9809825	6.2188	6.101388	6.426852	6.149729	6.839527	6.2574505	6.508873	6.1868095
PLGRKT	8.649539	8.661183	8.582524	8.685525	8.208185	7.924891	8.454799	8.274589	8.374233	8.39526	9.616095	8.416873
MIS18A	7.372878	7.700988	6.718588	7.749777	7.466132	6.733971	7.905806	7.128564	7.368584	7.483251	6.617983	7.502499
TTI2	7.216053	6.372819	6.787137	7.112886	7.264595	7.31741	7.569765	7.261309	7.400773	7.170339	7.349206	7.177458
SLC50A1	7.10024	7.361211	7.350379	7.733208	7.840024	8.074587	7.766287	7.979664	8.037348	7.263659	7.278109	7.29513
TRMT13	7.240077	5.912276	5.9338715	5.7416185	6.962933	6.1078485	7.533989	7.1476395	5.65608	8.132336	6.839824	8.415681
TEFM	7.3403095	6.734683	6.850285	6.7749955	7.107446	6.8462005	7.272191	6.9868795	6.9121525	7.777145	7.11695	7.8195715
NMRK1	5.3105645	5.4245215	5.6487385	5.6085075	5.2186835	5.17471	4.597139	5.2985565	5.540279	4.8180095	5.622363	4.8280935
DNAAF2	6.863497	7.068922	7.887219	8.366899	9.32036	10.18554	9.914208	9.138267	9.382151	8.801332	9.389193	8.813513

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
EMC9	7.203956	6.955559	7.545607	7.816353	7.729503	6.91665	7.959035	7.494525	7.22641	7.611243	7.283225	7.633288
ELP5	8.216614	8.2744495	8.0570155	8.3801585	8.213347	8.3463525	8.732422	8.126563	8.0712205	8.1180855	8.5725975	7.793071
CAAP1	7.321175	6.8889875	7.4966255	7.732698	8.363215	8.4595545	8.8894655	8.2669035	8.51033	8.057535	8.122949	8.2322945
WRAP73	6.492412	6.376002	6.59867	6.39486	6.853466	7.632609	7.339185	6.847056	7.115786	6.823219	8.025562	6.895826
ATRAID	10.64019	10.57731	10.59674	10.75529	10.62192	10.01709	10.46908	10.59444	10.45575	10.66387	10.77792	10.38763
ZNF322	7.1206095	6.8669635	6.8810755	7.0897875	7.338397	7.5500485	6.8856325	7.08426	7.601177	7.2387355	6.848468	6.7898295
COA7	6.565266	6.7609875	6.8561865	6.8314775	7.633519	8.6236955	8.317817	7.5802175	8.246319	7.351159	8.3135305	7.5732905
AGO3	5.6705355	5.3304855	5.626498	5.0777285	5.0775265	5.4086075	4.759017	5.0149175	4.775886	6.410017	5.109309	6.2254965
DUS2	7.2290115	7.3732855	7.2844255	7.495345	7.6257865	8.3645345	7.6932605	7.603597	7.1124815	7.3767415	8.0155115	7.2857725
SOWAHC	9.314941	9.634014	9.5003555	8.931813	6.448786	7.540697	6.6351075	6.486001	8.1035455	6.8485755	7.0937435	7.807937
TENM3	4.786582	4.897901	4.560279	4.878453	4.76053	4.911469	5.050388	5.061676	4.892022	4.846605	4.933661	4.878259
BORA	7.416444	7.348929	7.274499	7.346951	6.75741	6.290666	7.867189	6.695583	5.840184	7.220083	6.211623	7.051026
SLC35G2	6.878763	6.4815325	6.9745855	6.740243	5.949604	5.967741	5.4168855	6.193922	6.2115855	5.705858	6.7744	6.497934
PIEZO2	3.252362	3.6392685	3.5448665	3.522661	3.8603435	3.338395	3.719973	3.991213	4.7320205	4.179837	3.4171795	4.0027695
CEP83	5.2346065	4.8778155	4.851839	5.064847	5.5386825	5.9325605	6.26331	5.352201	5.229258	5.9449665	4.496777	6.4217515
IGFLR1	5.530107	5.496022	5.694378	6.042568	5.828664	4.962907	6.007491	5.763764	5.409073	5.69218	5.015467	5.289114
AP5S1	7.006313	7.062457	7.118928	7.41623	6.854866	6.606689	6.567514	6.856942	6.696767	6.73385	6.966515	7.044066
GPATCH2L	6.0992785	5.888747	5.895228	5.3712825	5.503473	6.173092	4.961058	5.5236805	5.7267755	6.1824675	5.6385825	6.4914135
ENTPD1-AS1	2.946262	3.019549	3.082473	2.856301	2.931014	2.887827	2.916427	2.897167	2.901139	3.372054	2.990098	3.261545
NDNF	9.74194	9.081777	9.174135	8.882643	4.580192	5.048369	4.517803	4.537818	5.469615	4.474325	4.474325	4.591399
TMEM260	7.430525	6.996272	7.5394245	7.1744535	7.8908255	8.0149865	7.501591	7.896392	7.5549675	8.364908	7.7905615	8.10657
SLC35F6	7.338739	7.6137	7.202122	7.428418	7.53376	7.837391	7.589499	7.424452	7.403663	7.720978	8.120003	7.410399
HAND2-AS1	5.947143	5.133474	5.646282	5.3352575	4.3723795	4.208235	3.6194275	4.5456255	3.6464125	3.72941	4.587518	5.3811785
SMCO4	7.768359	8.021922	8.295034	7.666632	6.358872	7.849173	7.791883	6.717674	8.359797	7.906232	7.784162	7.800581
RABL6	7.163871	7.725777	6.818252	7.23867	7.618784	7.560096	7.497185	7.4714	6.583707	7.552115	7.222462	7.887496
LINC00339	6.39652	7.076156	7.810602	7.41732	7.903815	7.218009	8.032255	7.844443	8.156504	8.287145	8.288525	7.873241
DZANK1	4.9744225	4.4396165	4.77469	4.47031	4.1787605	4.0372775	4.2875595	4.0417425	4.6648505	4.2949515	4.652297	4.2398085
AKIP1	8.3552	8.274982	8.085436	8.598746	8.400791	8.401472	8.5863635	8.4195245	8.8280295	8.34356	9.274107	7.944148
KIZ	6.922817	6.949114	7.155672	6.692659	6.6333985	6.510234	6.2650525	6.7678135	6.587219	7.137911	6.3319785	7.4372795
LGALSL	4.233511	4.126053	4.9105045	4.8313245	6.7342225	8.413286	7.465104	6.748287	6.425612	7.756796	6.9799785	7.54154

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
AUNIP	5.6535455	5.7240165	5.8780325	6.0473755	6.5316745	7.0293445	7.485275	6.3544025	5.7758535	6.336617	5.6116845	6.0064445
GID4	7.04548	7.139855	7.1750985	7.1022575	6.7053395	7.391915	6.8046935	6.8304055	6.756983	6.750481	7.7473095	6.8048485
PARPBP	6.559693	5.919251	5.526732	6.45716	7.096717	5.964541	7.893979	6.745302	5.641159	5.549072	4.790615	5.468309
KDM8	5.139034	5.19515	4.66225	5.019558	5.020925	4.727	5.00094	4.856216	5.011847	4.731818	4.878696	4.928962
MCUR1	8.284187	8.1494885	8.431247	8.240439	8.2833915	8.9785655	9.143814	7.896497	8.5262665	8.645268	8.879853	8.5313145
EVA1B	8.374521	8.526336	8.554269	8.877151	8.090557	7.916404	8.114579	8.043892	8.012313	7.934207	8.764694	8.004388
PLEKHA8P1	6.210954	6.303364	5.926234	6.121386	6.065997	5.967703	6.132384	6.060926	6.387096	6.247878	6.258104	6.223748
GPALPP1	7.074122	6.726722	7.140282	7.025607	7.251876	7.223231	7.217552	7.333358	6.414447	6.967185	7.211971	6.789801
MFSD12	6.621629	6.897363	6.9553235	6.9241855	6.8900435	7.866076	6.7237755	6.962201	7.3487575	6.589339	7.452412	6.7973055
LRIF1	7.842376	7.689735	7.559905	7.8437	7.52376	8.517045	7.969519	7.435986	8.858106	8.556683	7.984609	8.317327
ABHD17B	6.480677	6.608471	6.914831	6.467603	7.502499	7.80413	7.668592	7.513918	7.138197	6.201303	6.793679	5.342212
LINC00115	4.749763	3.958821	4.075212	3.7487	5.031493	4.390927	4.766036	4.398399	3.487248	4.622357	4.401304	4.749419
MCM3AP-AS1	3.372054	3.221094	3.446882	2.958961	3.775078	3.404515	3.99667	3.829035	3.347466	5.178878	3.676057	5.504391
TMEM230	11.53982	11.319715	11.20028	11.11567	11.524795	11.927765	11.31554	11.593125	11.63631	10.7645425	11.45708	10.463866
LOC100506282	4.291861	4.751045	4.1758065	4.1001605	4.7683395	4.1158445	4.9097485	4.786134	4.2226545	4.7219255	4.780377	5.398813
ADPRM	6.6650175	6.656463	6.8445355	7.09134	7.8067815	7.8984335	6.8472905	7.8075295	8.0271585	7.392971	8.143428	7.3216735
NELFCD	9.358091	9.336136	9.558316	9.3642925	9.960299	10.78865	10.158555	9.9082175	8.8300615	9.392785	9.9601675	9.463952
COA4	9.441844	9.232845	9.083292	9.372503	10.28785	10.92496	10.79234	10.28512	9.090107	9.553274	10.31757	9.717003
LINC00328	2.455581	2.716669	2.708737	2.424496	2.851643	2.82286	2.570726	2.971327	2.60436	2.722187	2.830331	3.376753
NDUFAF7	6.537707	6.2324015	6.351482	6.4395075	7.2770595	7.84235	7.1309585	7.3493065	6.9895775	6.9259405	7.020448	7.588255
TRMT1L	6.847202	6.183846	6.113894	7.152984	7.555023	8.05405	7.308337	7.48379	7.317758	6.779428	7.179283	6.954945
MSANTD2	7.006291	6.488608	7.90941	7.367539	8.213056	7.997527	8.684364	8.071121	7.179118	8.52774	8.696948	8.61132
NSMF	6.1630245	6.626858	6.187759	6.3169215	6.686845	7.157766	6.644083	6.529997	5.933326	6.342453	6.4678485	6.4721985
EMC6	9.513537	9.133301	9.226071	9.385078	9.739593	10.27249	10.23202	9.803539	9.248728	9.279606	10.03019	9.616961
ABHD17A	9.7752	10.39495	9.798006	9.843803	9.325966	9.151017	9.246301	9.15271	8.667267	9.709009	9.189205	9.577314
SLIRP	11.06609	10.76551	9.989414	10.71102	11.81765	12.2752	12.11642	11.77314	10.81111	11.57389	12.12125	11.88181
RBM48	5.579795	5.3109285	5.0862765	5.4254275	6.2007955	6.0147125	6.137027	6.15	6.116787	5.2524865	6.490069	5.345826
AAMDC	7.829195	7.722737	7.431923	7.771039	6.252881	6.15489	7.51497	6.207808	7.339364	6.437402	6.563805	6.560455
SPDL1	7.01304	6.3565045	6.6096155	6.8041365	6.358026	5.885616	6.383332	6.277299	6.1882315	5.6160945	6.1287975	5.626902
BABAM1	9.218782	9.062309	9.300249	9.638618	9.892918	9.027853	9.586668	9.770201	9.970013	9.055877	9.699282	8.711786

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
R3HDM4	8.451728	8.969174	8.548645	8.862563	8.229824	8.4394245	8.1551785	8.1006515	8.113649	8.0901015	8.135882	8.2099895
RITA1	6.861639	6.748176	7.1095985	7.206847	8.02308	8.5037905	8.017693	7.9762525	7.9253015	7.191709	8.2551805	7.326854
KDM7A	6.60568	6.5069875	7.0950405	5.8776225	6.4922365	5.867056	5.9234765	6.4545	5.830694	6.208834	6.3909025	6.598576
TMA7	12.30158	12.09322	12.00303	12.5484	12.85774	12.83721	13.00562	12.85597	12.1635	12.88441	12.90654	12.88452
OXLD1	7.3439985	7.4201965	7.2379625	7.4092225	8.2219045	8.781159	8.662252	8.289011	7.913995	7.9464475	8.9286275	8.036337
KAT8	6.6755785	6.8738855	6.705096	7.00026	6.604288	6.416104	7.071535	6.38431	6.911853	6.757632	6.593032	7.2813095
KANSL2	8.444832	7.999529	8.201105	8.190725	8.215282	8.377262	8.265949	8.102737	8.075424	8.122884	8.737505	8.466753
EOGT	7.956076	7.233987	8.061733	8.206779	8.336001	7.618384	8.654134	8.394104	7.774895	7.411703	7.119795	7.088123
ZNF587B	6.78622	5.915361	6.573133	7.135862	7.464263	7.411842	7.971201	7.535014	7.130139	7.811768	7.953301	7.85168
ZSCAN31	3.473727	3.570703	3.769701	4.168602	5.542764	5.509397	5.211431	5.864183	4.394118	4.685495	4.176142	4.659728
KRT8P12	5.430939	5.618961	5.494999	5.5340385	5.459305	5.5738125	5.5694855	5.5483335	5.683623	5.4026345	5.702702	5.60866
CERS2	10.26044	10.18028	10.16529	9.930837	9.566505	10.04792	9.772289	9.468793	9.593019	9.740616	10.16758	9.649514
ZNF112	6.807213	5.77233	6.668882	6.567995	6.990518	6.096814	6.392827	6.793484	6.955175	6.917062	6.224647	6.583239
HLA-F-AS1	5.0753595	4.9676745	5.041669	5.173506	5.347225	4.943491	5.1744895	5.181867	4.6529545	5.0373745	5.01628	5.0357635
SCAF4	5.433034	4.93425	5.326473	4.723054	4.582314	4.429272	4.861322	4.569288	4.820504	6.636211	4.522142	6.499032
KMT2C	6.2235775	5.3893325	5.779973	5.2336735	6.7551265	7.3029735	7.682792	6.744399	6.100809	8.1986425	7.0585095	8.298037
FAM204A	6.489137	6.1288945	6.3455675	6.8662725	6.96511	6.5785585	6.4097275	6.955766	7.174841	5.9975235	6.530164	6.395037
TMEM242	5.19555	4.9975085	5.421485	5.3579515	5.428391	5.777551	5.1219065	5.500466	5.82183	5.4659725	5.8279325	5.131423
SAYSD1	5.977379	5.81953	5.868153	4.604561	6.231461	7.076656	5.926437	6.197246	6.333348	5.693115	6.512759	5.276381
CMTR2	8.426624	8.001052	8.114768	8.577341	8.543045	9.495403	8.361887	8.719745	9.443991	8.00653	8.665912	7.659401
BLOC1S6	9.548089	8.789042	9.247996	8.891464	8.800599	8.585921	8.785896	8.719033	9.220105	8.287253	8.059549	8.452558
NABP1	8.582768	7.926651	8.60146	8.769558	8.135519	9.231847	7.835614	8.304091	8.124577	7.763061	7.285358	7.82961
NDUFAF5	7.115139	6.609646	6.924396	7.198664	7.758171	8.022717	8.421952	7.791705	7.652601	7.862886	8.047796	7.963137
EXO5	5.420637	5.5562235	5.79855	5.4585945	5.298711	5.4914595	5.447009	5.2638285	5.5520915	5.443164	5.5673215	5.612345
TIMMDC1	10.13737	9.758313	9.558311	9.9093	10.65035	10.80062	10.50364	10.68972	10.29514	9.859583	10.59823	9.925339
TMEM245	9.006715	8.768882	8.751091	8.286479	9.813346	9.614264	9.138344	9.836622	9.169301	8.648622	8.821094	8.596786
LAMTOR1	10.48012	10.55395	10.50123	10.94739	11.56247	11.43083	11.37379	11.4542	11.01382	10.92067	11.14017	10.8622
GUCD1	8.784829	8.844689	8.814849	9.085546	8.473293	8.947638	8.876124	8.480524	8.657644	8.163526	8.905545	8.377397
EMC4	11.25136	10.95552	10.808355	11.01358	10.97249	11.34323	11.069635	11.008035	11.114825	10.673955	11.588935	10.674995
PITHD1	5.251872	5.317862	5.021214	5.391043	5.807355	5.556523	6.087943	6.014048	6.049908	5.381562	5.913866	5.809197

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
NOA1	8.897259	9.176734	8.986998	8.765701	9.295195	9.227256	9.389847	9.240906	8.78751	9.174692	9.157772	9.445282
TIMM21	8.5970065	8.214095	8.390673	8.643146	8.8627575	9.5268185	9.6174735	8.8945435	8.031299	8.911232	8.926336	9.103603
SMG9	6.764468	7.002666	6.673218	6.954749	6.692493	6.496986	6.34166	6.577427	6.660286	6.690407	6.603501	6.704351
KMT2E	8.765828	8.5716845	8.118361	8.105163	8.239032	7.6969225	8.440113	8.245049	8.473401	8.624282	7.556427	8.343014
NSRP1	8.730454	8.577874	8.911609	8.969508	8.548403	9.199671	8.621309	8.602269	8.623118	8.560812	7.943007	9.207401
GSKIP	9.581219	9.208549	9.711905	10.1855	9.14657	10.49138	9.951344	9.346065	9.484481	8.555967	9.339341	8.575977
TRMT10C	8.824523	8.671415	8.742391	8.912627	9.57297	10.26487	10.09822	9.529353	9.09925	8.747992	9.11178	8.971774
NTPCR	7.577876	7.531009	7.715732	7.835699	8.375798	8.718673	8.719465	8.437963	7.646569	8.332409	8.717383	8.326624
SMIM3	10.30671	9.667225	10.17493	10.73685	5.629522	6.624532	6.914899	5.063158	8.767303	5.932053	6.024646	4.76071
ELP6	6.531757	6.1593205	6.5254705	6.789108	7.43522	7.5945135	8.0287515	7.477667	7.165025	6.9081825	7.3339515	6.9653205
PBDC1	8.4310445	8.2477405	8.6632915	8.9594165	9.4163915	9.834631	9.8475495	9.319411	8.9204425	8.6317665	9.393252	8.489078
NT5C3A	9.126059	9.380916	9.738238	9.251575	9.738314	9.763253	9.785294	9.802382	9.503016	9.095298	9.734062	9.328172
PRADC1	7.593722	7.07414	6.988124	7.933038	8.082063	8.149765	8.233882	7.980817	6.840972	7.037645	7.947464	7.622268
SPATC1L	7.419028	7.431952	6.238724	6.992465	7.080781	7.456004	7.009637	6.783564	6.837566	6.678466	7.714197	7.731232
ABRACL	9.055874	8.517831	8.798471	9.381603	8.830154	7.465644	8.827682	8.766085	8.89105	8.627177	8.747633	8.507174
NTMT1	8.508378	8.782831	8.938198	8.997938	8.7997685	9.050657	8.7957805	8.8417865	8.3125235	8.195291	8.974628	8.261723
ENKD1	6.557008	6.229499	6.771458	6.394145	6.13684	5.734496	5.510797	5.90387	5.289251	5.948363	6.890163	5.854486
SF3B6	7.2199095	7.1981815	6.9923085	7.210114	7.7699015	8.286182	7.9037425	7.677359	7.850297	7.7550275	7.999881	8.2962735
BLOC1S4	8.288821	8.445008	8.936416	8.451299	8.933728	9.818535	8.857714	9.006289	8.692034	8.379181	9.513741	8.1711
IRF2BPL	10.72537	10.71174	10.62382	10.42582	11.38164	10.00587	10.01247	11.3172	12.00261	11.50677	11.57058	11.17867
SPRTN	4.679429	4.759268	5.285487	5.387877	7.471654	7.286871	7.111998	7.485615	6.907695	6.030298	6.344911	5.964842
SWT1	6.218157	5.716966	5.686058	5.916343	5.906297	6.702102	5.806549	5.844434	6.23155	5.890585	5.963115	5.925308
INIP	6.994351	6.70711	6.59867	6.657018	6.978572	6.812788	7.03183	7.061594	6.70435	6.714493	6.67713	6.843555
TMEM234	5.92355	5.971099	6.119488	5.878565	5.178998	4.960279	5.040234	5.550899	5.355443	5.21047	5.613263	5.233449
CEP95	3.377537	3.388951	4.11661	3.241935	3.176458	3.125473	3.525191	3.418982	3.27469	4.095022	3.453348	3.599422
WDPCP	6.352422	6.145771	6.3220505	6.245906	6.4961985	5.922956	5.922501	6.520782	6.9181915	7.291929	6.688715	7.421559
MTFR1L	8.195359	8.192268	8.501538	8.633443	8.731884	8.884091	8.629278	8.867642	8.515507	8.534663	9.054971	8.587023
KANSL3	5.3717	5.3322605	5.355257	5.100466	5.148825	5.152664	5.2250785	5.0566645	5.1774695	4.7489665	4.9011365	5.0475575
LINC00467	5.9157505	5.701798	5.5946735	6.443371	7.11481	6.8836045	6.443148	7.0625165	5.7608535	6.553822	7.2955645	6.4847635
MIEN1	9.288022	8.835642	8.942001	9.256859	10.01606	10.12459	9.82001	9.987289	9.016577	9.39593	9.552977	9.368619

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
UQCC2	5.4533	5.236129	5.170616	5.370664	5.538723	5.797177	5.326088	5.63181	5.835565	5.485035	5.418097	5.30752
FAM220A	9.286392	9.230896	9.752265	9.679624	8.922657	9.437752	8.84668	8.84839	9.677689	8.956156	9.287489	8.985795
TMEM241	8.3191685	7.953632	7.7962065	7.975955	7.5938975	7.315246	7.824579	7.587252	7.3616205	7.9622775	7.766266	8.2238325
CMSS1	8.738376	8.125908	8.660592	8.571753	9.432409	9.880093	9.877502	9.306703	9.407308	9.527769	10.20086	9.954683
BRK1	8.8210495	8.2607275	8.555057	8.963731	8.9319355	8.7459595	8.581528	9.2435795	8.9526735	8.3820355	9.456769	8.472505
FGD5-AS1	8.3592125	8.3905985	8.2564575	8.53255	8.0567105	7.5670855	7.8959295	8.0025265	8.362812	7.9973065	8.043126	7.91563
FAM210B	9.4234795	8.707954	9.543555	9.462675	9.019716	9.9968935	8.981517	9.14298	9.0656815	9.0806115	9.971303	8.3722045
CNOT11	8.3795	8.133488	8.225825	8.3583	8.696925	8.579464	9.023404	8.649949	9.075783	8.874128	8.809175	8.802433
CYSTM1	8.66326	8.205759	8.733015	8.834179	8.612033	9.24575	7.255075	8.747066	9.834282	8.681096	9.671949	8.402528
NIFK	8.531272	8.338051	9.081596	8.779448	9.868839	10.39942	9.960442	9.735449	9.091655	8.983338	9.679615	8.96477
EMC10	6.4535355	6.5149245	6.150182	6.44276	6.771243	7.046531	6.6512735	6.661228	6.776462	6.8371185	6.381517	6.6187675
CYB561A3	8.33725	7.977692	8.150572	8.834641	8.969783	9.403465	8.787191	8.937165	9.693876	8.368869	8.793454	8.44194
SMIM15	10.44821	10.52392	10.59734	10.59003	10.59918	11.08034	10.97797	10.58183	10.82551	10.06816	10.69253	10.08148
UBALD2	7.438629	7.489408	7.148238	6.9000465	7.0619615	7.085174	7.035549	6.955998	7.014782	6.824186	8.013817	6.926071
FAM219B	7.269189	7.458667	7.644734	6.863001	7.111293	7.369959	6.850498	7.07146	7.22239	7.005671	7.566784	6.710958
COX20	8.987303	8.192041	8.281548	9.21452	9.008453	8.250692	9.58347	8.846611	8.90558	9.131782	8.916335	8.896332
DANCR	8.063824	8.230759	8.374982	8.631919	11.0033	10.74496	11.38195	10.89157	8.322717	9.912848	9.199333	9.971563
LAMTOR4	7.568139	8.085173	7.775884	8.30903	9.633528	8.932423	9.549704	9.584432	9.141344	9.190357	9.642682	9.042609
ZFAS1	11.320445	11.794475	11.77525	11.049645	11.47692	10.73822	11.75709	11.476115	12.66778	11.882875	12.929245	11.75596
PPP1R18	9.855922	10.08084	10.02294	9.578212	9.054152	9.391323	8.987536	9.051861	10.18585	9.613175	10.45458	9.214258
CERS5	6.5681655	6.455839	6.6707085	6.604535	5.9273075	5.7858075	5.9105145	5.992043	6.4033815	6.2635575	6.441023	6.307729
SMIM14	8.353448	8.167177	7.820741	7.977516	7.553589	6.453953	6.618953	7.451402	7.984105	6.86467	7.684825	7.078992
SMIM20	9.501465	9.351049	9.242628	9.424183	9.503996	10.20825	9.653339	9.457848	9.526684	8.724914	9.811436	8.376845
NT5C3B	9.369924	9.660048	9.793332	9.602544	9.221628	9.678741	9.256927	9.209715	8.843866	9.088329	9.664596	9.134254
LINC00674	6.2083795	5.9614005	6.6907035	6.5021325	6.029771	6.4279255	6.534798	6.1641735	6.575895	6.567142	6.5731675	6.3424625
FOPNL	9.183375	9.0865805	9.10638	8.7508685	9.0995725	8.8531125	9.0449065	9.077348	8.8852385	8.251774	9.159439	8.1989855
COPRS	10.64413	9.982893	10.25726	10.74924	9.99608	9.701115	9.721594	9.959517	10.01215	9.032467	10.24158	8.456541
KANSL1	6.644321	6.0922405	6.4172165	6.426305	6.1669275	5.6306545	6.026547	5.9570195	6.2701135	7.9673325	7.125161	8.2917665
FAM219A	7.558345	7.765976	7.595843	7.457413	5.610816	6.39449	6.329503	5.465298	6.682615	6.453237	6.679105	6.440062
CCAR2	6.020936	5.601236	6.18801	6.011408	6.371551	6.170578	6.324927	6.219165	6.33077	5.993409	7.106471	5.82254

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
CACUL1	5.454047	5.938234	4.86224	5.199309	6.204595	6.870213	6.258054	5.926786	6.112904	5.923323	6.586965	5.35459
OIP5-AS1	7.406079	7.045303	6.634203	7.135557	8.454656	8.516397	8.899769	8.28488	8.023292	9.11789	8.301859	9.094105
STRIP1	7.798037	7.600735	7.786924	7.830663	7.83503	7.830663	7.42154	7.972538	8.181397	8.172597	8.647789	7.852037
TMEM259	5.5625375	6.478027	4.5831555	5.607045	7.0560595	8.4420655	7.4330065	6.9065025	7.2032085	6.0162225	7.0733375	5.8082695
KNSTRN	8.34154	7.984373	8.203405	8.454664	8.37325	8.380776	9.096768	8.169838	7.382381	7.43879	7.725331	7.19961
FAM217B	6.205204	6.149915	6.344455	7.004586	7.838318	8.504713	8.802967	7.672487	7.866247	8.63198	7.244239	8.899153
MCU	8.486716	8.140707	8.407848	8.77772	8.527798	9.074587	8.34234	8.455151	8.486134	8.293789	8.478688	8.16603
FAM214A	7.0115865	6.1165655	6.781025	6.618143	7.3306645	6.556663	6.569744	7.291499	6.7138095	7.0826635	6.585828	6.3868425
MIR100HG	11.10886	10.60689	11.16198	11.0911	9.979424	7.390884	7.640783	10.06938	9.340422	9.362387	9.423429	9.473581
HNRNPLL	7.258755	6.5662395	6.630009	7.089556	6.5789575	6.83536	6.602925	6.420093	6.968429	6.7539175	6.98937	6.4888195
RPP25L	8.697086	8.709764	8.695291	8.502186	8.995844	9.339016	9.375463	9.087408	8.352912	8.954251	9.614722	8.94962
SMIM12	6.7897075	6.5671255	6.71456	6.945894	7.286392	7.59393	7.123416	7.1463005	7.2373055	6.596663	7.3245905	6.465703
COA5	7.637608	7.503946	7.690586	7.5308845	8.6242785	8.724049	8.649558	8.6724075	8.464192	8.733729	9.074833	8.960135
MPLKIP	8.851106	8.791976	9.02592	9.156767	9.954897	10.22627	10.03398	10.08885	9.694466	9.211848	10.29191	9.460993
ABHD17C	7.374314	7.868448	8.424025	7.88517	7.202171	8.264375	8.223561	6.86197	6.910207	7.647436	7.830994	7.93589
BRAT1	6.422478	6.800215	6.597265	6.600308	7.171945	7.311944	6.971502	7.058248	6.642779	7.009933	7.36121	6.978915
PP7080	5.599961	6.169744	6.198576	6.571387	9.208992	8.246008	7.965822	9.094517	6.513066	7.575051	8.978947	9.038013
GPANK1	8.2398415	7.8018185	7.7261505	8.22236	7.9036325	8.589766	8.2181365	7.9008425	8.2802975	7.63393	9.2398815	7.3655135
CEP41	4.9491745	5.326169	5.254374	5.027603	5.027543	4.9936935	4.9484405	5.1219815	5.1155405	5.050396	5.0322705	4.768865
PCED1A	5.661941	6.3095435	5.9008085	5.8072195	6.1460015	6.0752355	6.292567	6.049409	5.884456	6.324383	6.384706	6.3519575
NOP9	6.2020465	6.1826545	6.244453	6.3718225	6.409998	6.5407495	6.585942	6.0571715	6.204044	5.973178	6.453555	5.912741
MOB3A	7.502293	8.056425	7.4055385	7.6016865	6.7158995	6.8427265	6.2841085	6.5370975	7.280465	6.1295755	6.923173	6.173808
SMIM19	9.310775	9.526948	9.015703	9.1315	9.808324	9.244781	9.212501	9.680816	8.472187	8.653193	9.759934	8.770283
ZBTB21	9.072032	8.8880785	8.9157335	8.6596755	7.4333285	7.9969085	7.708763	7.243553	8.819677	8.274246	8.602077	8.0354825
GINM1	9.447941	9.916574	9.832495	9.360132	9.07282	9.471868	8.465812	9.015717	10.13803	8.883661	9.162744	8.72792
DPH7	6.931618	7.032116	7.042915	6.850986	6.964135	7.211061	6.983865	6.766996	7.111203	7.256407	7.437404	7.293753
TRIQK	7.992867	8.200613	7.999586	8.211887	8.173998	7.574277	8.018471	8.258169	7.793004	7.482395	6.749495	7.551154
CIPC	5.815102	5.287405	6.104551	6.322538	7.486781	8.398625	7.552131	7.313359	7.446949	7.142355	7.643057	6.988619
COA6	8.362712	8.36745	8.214885	8.334483	8.988265	9.227179	9.380405	8.957354	8.131745	8.519208	9.087435	8.825624
POMGNT2	6.470937	7.248717	7.238559	7.452242	7.065974	9.12091	8.143028	6.98142	8.019809	7.148563	7.518823	8.073393

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
EPB41L4A-AS1	8.433157	8.2204405	8.6977105	8.0162785	8.2762155	8.8257055	8.254002	8.2294825	9.096132	7.8499815	8.535386	7.886564
CCDC167	8.120056	7.987344	7.651825	8.119163	8.233239	7.79142	8.520308	8.163552	7.884212	8.402843	8.25865	7.695868
KLHL42	6.689823	6.934954	7.108186	7.209658	7.178919	7.113548	7.503161	6.939577	7.609715	7.980997	7.37079	8.010449
COX14	9.185348	8.856721	8.843466	9.011704	10.0827	10.5458	9.994913	10.13641	9.668622	8.944976	10.21533	9.071462
SAPCD2	6.065488	6.938299	6.663799	6.141945	7.612393	6.467238	7.65235	7.177981	5.977548	7.448997	6.806005	7.448278
SMDT1	8.831709	8.806281	8.497875	8.975096	9.556871	8.71735	9.274572	9.50217	8.706133	9.12906	9.0825	8.740988
METTL23	9.521872	9.820797	9.758341	9.421937	10.09145	9.737404	9.998868	10.05608	10.21503	9.571989	10.13859	9.677339
FAM229B	7.591209	7.614468	7.41727	8.154188	7.905772	9.43204	7.377048	8.142278	8.130509	7.524215	9.095732	7.887219
BOD1L1	5.653549	6.176524	5.732508	4.890916	6.313848	7.055559	7.665332	6.31035	6.08954	6.315549	6.616816	7.938801
RHNO1	7.7300275	7.7700245	7.8901635	8.225182	7.4699055	6.48439	7.8242	7.2616015	7.380065	7.1090425	7.211177	7.1692965
SNHG17	7.421214	8.0312095	7.5325715	8.5553195	8.132292	8.228064	10.153832	7.94842	9.5484645	9.718412	9.7604	8.6699785
UBALD1	5.292774	5.602039	5.663449	5.249048	5.441505	5.502913	5.470669	5.384086	5.338065	5.29919	5.588223	5.747849
MGME1	9.477061	8.594692	8.503747	8.808696	9.240747	8.817401	9.496108	9.2653	9.502059	9.014546	9.422284	9.154467
PEAK1	8.2189365	8.1482745	8.868878	8.020743	7.3081865	6.970711	6.824274	7.365637	7.974117	7.482393	7.2824095	7.2959075
CREBRF	6.634472	5.887022	6.31288	5.685308	6.594944	6.170271	5.571337	6.68065	7.366714	5.810577	5.955771	5.594312
ELMSAN1	5.4210305	5.5097235	5.783981	5.289654	5.763493	6.838503	6.267743	5.733598	5.907286	6.3127425	6.019881	6.3789495
MOB1B	9.131711	8.904885	8.667643	9.471234	8.977757	9.380733	8.809768	8.978949	9.544754	9.168646	7.953579	9.243805
PET100	9.929024	9.691996	9.327391	9.871528	10.08791	9.154489	9.816681	10.0345	9.390778	9.968119	9.702947	9.887561
MTURN	6.050108	5.76695	5.6553585	5.704576	5.932747	6.330895	6.4545895	5.872464	5.736852	6.939313	5.9337175	7.0477885
SWI5	8.0913	8.304702	8.128547	7.965769	8.5216	8.170542	7.85157	8.663557	8.547278	7.963482	8.41709	7.320387
BROX	4.78212	4.699636	4.624828	6.480363	8.773701	8.208902	7.783076	8.713121	6.761909	5.764906	6.358448	5.802425
HEIH	7.992932	8.233171	8.145813	8.070642	7.92735	7.364402	8.047327	7.851974	8.05655	8.25072	8.478525	8.425193
CHAMP1	8.713673	8.758778	9.172427	8.999295	8.179522	7.954931	8.456794	7.680652	8.286166	8.418047	8.082201	8.546488
PTRHD1	9.484529	9.19813	9.073339	9.491682	10.00621	9.555561	9.519285	10.04353	8.968523	8.866203	8.988026	8.922336
ALYREF	7.5648155	8.738029	8.2270655	9.112793	10.714345	10.0706075	11.14065	10.6021	9.486252	10.351085	10.488515	10.0693045
ARL14EP	7.772522	7.486428	7.871904	8.068	8.164442	9.18883	8.14702	8.042566	8.793448	7.92866	8.396247	7.930875
MALSU1	7.7116785	7.467183	7.6006095	7.691039	7.6895915	7.7329875	7.843419	7.5549145	7.5706765	7.720098	7.5835745	7.839807
LINC00938	4.381582	4.463437	4.596064	5.005324	5.185088	5.98489	5.342255	4.932398	4.664514	5.533481	5.030255	5.482882
PPP1R35	7.878342	7.927577	7.570115	7.487827	7.482925	6.809132	7.976388	7.460795	6.610061	7.786839	7.366283	7.935797
RMI2	7.437405	8.010645	8.155885	8.248091	7.306795	6.385797	8.101654	6.997911	8.038161	8.069551	8.088741	7.552684

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
TANGO6	7.454288	7.334434	7.049333	7.458008	7.5025	8.067433	8.395175	7.600478	7.141905	7.261038	7.722672	6.984059
FAM222A	4.051229	4.239962	4.191146	4.058417	4.171322	4.100575	4.139773	4.189307	4.285377	4.382909	4.307699	4.672102
PHYKPL	7.390735	7.12737	7.328365	6.859163	6.8898685	6.7232815	6.9986055	6.717429	6.3269155	7.538765	7.182978	7.9321475
MTG2	6.408909	6.462159	6.062872	6.072678	6.563851	6.967683	6.766011	6.41378	6.385115	5.427437	6.644551	6.474637
ANKRD10-IT1	7.573118	7.0980685	7.255493	6.0645795	7.163836	6.364545	7.6773885	7.0959395	7.151608	8.432647	6.8335085	9.557978
METTL16	5.399183	5.455436	5.875299	5.368849	6.850828	7.081672	7.334722	7.03939	6.053336	5.463948	7.044393	6.764153
CCDC71L	7.138354	7.699064	7.170652	7.1734755	5.1153505	4.826962	4.431105	5.2085455	6.749518	5.998119	6.919279	5.823196
TDRP	4.88302	4.276489	4.058417	4.59032	3.994926	4.488223	4.173369	4.028708	5.812431	5.387227	4.055069	3.799855
LINC00294	8.766187	8.627533	8.732635	8.253697	8.273466	8.655266	7.972979	8.51656	7.197383	7.933337	8.251389	8.572303
BMS1P20	6.251478	6.2615255	6.1994215	6.3195725	6.40173	7.2080515	6.4297665	6.3421105	6.80931	6.1527035	7.006483	6.1524975
TAMM41	5.074783	4.761915	4.984357	4.642043	5.087488	4.924497	4.653997	5.259285	4.670058	5.783526	5.592598	6.241583
XXYLT1	5.940763	6.576842	5.952682	6.838104	7.381402	7.436381	7.267163	7.115238	7.594127	7.046422	6.759965	6.831873
LINC00909	7.885149	7.421679	7.677818	7.734708	8.108111	8.575141	8.052358	8.138573	8.807745	8.091439	9.098301	7.805748
NADK2	7.410233	7.384422	7.857359	7.684595	7.614765	7.828968	7.830585	7.766247	8.396303	7.659342	7.293389	7.378654
DENND6A	8.852657	8.879179	8.755484	8.800406	8.418179	8.378839	8.931346	8.233594	8.678783	9.486664	8.853681	9.759473
TMEM256	8.895082	9.206347	8.434113	9.100006	9.076132	7.40056	9.285221	8.982317	8.057388	9.41078	8.407948	9.45987
LINC01000	7.050538	6.7542245	6.8484655	6.210822	5.9541305	5.816564	5.957368	6.0998985	6.556096	6.880156	6.431516	7.527608
PRIMPOL	8.196636	7.832022	8.077302	7.511751	7.858609	5.887161	7.523561	7.5955	7.545526	8.078976	7.620021	7.740006
ZNF316	5.5785	5.915687	5.557068	5.866078	5.014311	5.044606	5.107202	5.232117	4.972591	4.659359	5.001374	4.765038
IPO5P1	3.752737	3.5947555	4.003605	4.022368	4.0022535	3.9229205	4.2268425	4.021133	4.261133	4.039855	3.8592425	3.5705285
TRAM2-AS1	7.439551	7.321571	7.288198	7.299353	6.394395	6.394395	6.355162	6.536541	7.962207	6.825144	7.200398	6.734174
PXN-AS1	4.862604	4.610649	5.084466	5.280064	7.064363	6.921838	7.710649	6.828958	6.722235	6.09165	6.242656	6.027692
SWSAP1	4.664818	4.949591	4.697393	5.242646	6.07218	6.412068	6.452085	6.312885	5.94847	5.321114	6.559504	5.389003
GABPB1-AS1	5.4698835	4.6611675	4.9649755	5.0446955	5.699297	5.276424	5.6939565	5.732565	5.5362765	5.536059	5.8563185	5.848992
MSANTD4	6.570922	6.531762	6.349448	5.779082	7.934162	7.064387	8.116542	7.816992	6.73061	6.415142	6.753087	5.781271
YBEY	7.181551	5.851748	6.750447	6.981949	6.994468	7.854702	7.331818	6.952253	5.545497	6.891751	6.632557	6.983484
DHRS4-AS1	5.8320295	5.8917515	5.707462	5.56665	5.358135	5.6231525	5.6795995	5.3515145	5.675653	5.6318705	5.9304645	5.816449
KMT2D	5.723881	6.389756	6.301038	5.832889	6.079848	6.144926	5.789229	6.006347	5.792503	6.080369	6.264614	6.38514
MAGI2-AS3	6.500249	6.595129	6.999681	7.111233	5.380443	3.999496	3.273378	5.528878	6.550393	6.714307	5.619921	7.099874
NRDE2	4.179627	4.70902	4.024749	4.078653	4.175108	5.126993	4.27665	4.27665	4.196442	4.168431	4.166533	4.234113

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
TMPO-AS1	4.472329	4.006924	4.194902	4.735225	4.381185	2.751042	4.777425	3.997221	3.984133	4.004579	3.89555	3.63266
EPG5	6.991047	7.194368	6.827928	6.498343	5.030426	5.329113	5.032641	5.362223	5.397431	5.4083	5.205613	5.177363
ERMARD	7.800242	7.563895	7.684496	7.505453	7.369748	6.608242	7.494023	7.220805	7.982041	7.907087	8.224805	7.452763
MROH6	6.024032	6.493049	6.268344	6.23913	6.117872	5.806257	5.701781	6.049664	5.859756	6.088693	5.926505	6.126612
L3HYPDH	7.71129	8.211806	8.151785	8.18575	9.400663	9.892587	9.273118	9.401525	8.510958	8.332409	9.943003	8.394697
UBE3D	2.673633	2.846849	2.708737	2.612895	2.919001	2.903708	2.896993	2.837998	2.91311	3.240472	2.909001	4.780723
CEP85	6.2441845	5.9720285	6.162057	6.394597	6.6140895	7.310216	7.119411	6.476873	6.571766	6.6009515	6.5403885	6.764399
EVA1A	9.34164	9.606237	9.492157	9.538643	6.764921	7.719437	4.873838	7.10551	9.09072	6.329603	5.303586	5.18519
MVB12A	8.193378	8.187764	7.987263	8.347609	8.404786	8.314584	8.604254	8.087194	8.935041	8.559092	8.484322	8.68258
IDNK	6.412547	6.564487	7.049839	6.795415	5.836786	5.70576	5.88671	6.164433	7.106448	6.159194	6.192719	5.481645
FOXN3-AS1	5.1633555	5.4477155	5.260201	5.427141	5.22006	5.2411055	5.434061	5.3211805	5.678323	5.1234135	5.1694515	5.162942
LOC100506990	7.1273365	7.3610295	7.719835	5.7285495	6.6315485	6.8080945	8.897949	6.3509655	7.7508475	7.534614	6.913609	5.4617645
AGO4	5.198014	4.869942	5.541206	4.966238	4.483948	4.385295	4.3477145	4.4353925	4.516484	4.649837	4.8997295	4.4587075
CEP85L	5.494318	5.684358	5.841958	5.5380385	5.296059	5.431623	5.456277	5.2234455	5.282362	5.5736965	5.0778495	5.7486805
LRRC75B	4.908689	5.5470795	5.253884	4.679736	5.2461985	5.0152765	5.1154375	5.2707895	5.369792	5.4308145	5.3456175	5.522515
MTFR2	6.007612	5.88447	5.373251	5.918126	6.031608	5.81805	7.412112	5.790883	5.226838	5.279997	5.62108	5.25953
CLMP	11.497335	11.18894	11.22567	10.800987	7.4589535	5.7161005	4.4968135	7.1657835	8.834252	4.825622	7.1264775	3.8838555
ZSCAN25	5.940063	5.9719365	6.230829	6.065522	6.591953	6.389322	6.600959	6.579671	6.8066755	6.3823935	6.8140815	6.330784
ERCC6L2	5.158051	5.114562	5.180376	5.091653	5.350371	5.010533	5.857937	5.128938	4.569223	4.63762	4.018761	4.76206
MIR503HG	9.212214	9.648482	9.515242	8.2149555	5.980137	6.332185	6.853467	6.048273	5.77572	7.5105595	6.6388495	7.932178
LINC00888	6.2979745	6.019296	6.284111	6.742226	7.176828	7.71875	7.560987	7.324104	7.0687445	6.822459	7.289924	7.204733
PCED1B	4.275608	4.773107	5.126676	4.737907	5.159549	5.031752	4.139027	5.224397	5.34417	6.186399	6.591832	6.882814
CLHC1	5.612727	4.076838	5.205626	4.919935	5.236241	4.959584	5.096917	5.31966	5.348229	6.406446	5.56093	5.8062
CEP44	6.584411	6.442696	6.044228	6.711442	6.579312	5.926787	6.855361	6.445022	6.408691	6.808066	6.65237	6.973197
R3HCC1L	5.668326	5.501055	5.6655605	5.7425135	6.336541	6.665104	6.2759185	6.209094	6.770464	5.31154	6.0795665	4.4853375
BOLA3-AS1	4.898568	4.6718355	4.3074805	4.1347835	3.991127	3.820086	3.992531	3.9946895	4.2746	3.714077	3.7193925	3.898859
MORC2-AS1	5.85115	5.4639965	5.9373015	5.871437	6.0435865	6.3296855	5.8443575	5.7696065	6.503425	5.745793	6.3087175	6.1502505
PRMT9	6.876585	6.389297	6.598547	6.840462	7.672301	7.741139	7.573734	7.804123	7.271071	7.725471	7.901009	7.549498
LINC01116	9.4291	9.795262	9.72965	9.726918	10.06577	10.1604	9.051496	10.17174	6.476529	9.081083	10.20002	9.581632
MIR4720	6.280858	6.221387	6.500343	6.121843	6.416553	7.863977	7.007538	6.507473	7.097215	6.851605	6.997973	7.176118

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
SRGAP2C	7.641598	7.930868	6.7467	7.037744	7.768803	6.58595	7.588792	7.585564	7.92204	7.534809	6.762931	7.676734
TRIM52-AS1	6.1628795	6.406904	6.122145	6.299796	6.128142	6.1745195	5.894104	5.978479	6.23488	6.4752485	6.2585615	6.359976
LINC01184	5.067181	4.911188	5.4751585	5.4687475	6.045446	6.001047	6.333935	5.9663785	6.371796	6.2169135	6.268214	6.51883
LINC-PINT	5.808233	5.6316975	5.8735205	5.588923	6.0709265	5.4771965	5.6429065	6.167711	5.5507795	6.0396075	5.555624	5.59593
NPTN-IT1	5.864289	5.689071	6.532884	5.135146	6.890168	5.745261	6.827332	6.897088	6.452968	8.7611	7.562156	8.671557
PTCHD3P1	5.694948	4.642831	5.338625	6.107554	4.864544	4.588563	5.146329	5.174299	6.522657	5.636164	5.308187	5.483351
SIMC1	7.737984	7.712187	7.962604	7.915965	7.886509	7.465565	8.561438	7.70554	7.402545	8.285106	7.824766	7.572526
ARHGAP5-AS1	5.082018	5.604766	5.400033	5.66693	5.386363	6.31407	5.232372	4.979813	6.104407	5.365075	5.792352	5.08142
PITPNA-AS1	6.970053	7.145815	6.623568	7.111697	7.514008	6.739576	7.661329	7.489274	7.160007	7.667338	7.489178	7.472264
NR2F1-AS1	4.618282	4.025747	5.794417	5.934378	5.464648	3.039719	3.254961	5.578088	5.249	4.675014	3.238575	4.352052
METTL25	6.983373	6.194753	6.911336	7.389182	7.624686	7.342209	7.447664	7.767113	7.606096	7.238693	7.352233	7.256792
COL26A1	5.236274	5.4729285	5.565543	5.5094095	4.9143775	5.087553	4.975698	5.160863	4.9695445	5.1974015	5.0846975	5.133359
ZEB1-AS1	6.137841	5.44875	5.089807	5.969622	5.943365	5.830701	5.126175	5.604908	6.949444	5.8009	6.593034	5.798487
PPP1R37	4.922957	5.235239	4.75239	5.075583	5.270657	5.118412	5.014697	5.260775	5.5502	4.936314	5.073125	4.698991
OTULIN	5.9509255	5.896952	6.165898	5.784402	5.9400075	5.872213	6.3007025	5.8566345	5.5189755	6.391432	6.038014	5.9314675
HOXD-AS2	7.489129	7.78384	7.424413	7.551453	7.338881	6.697978	7.25386	7.261925	5.533753	7.146154	7.334019	6.655167
LINC00621	8.940554	8.776034	8.80308	8.875436	8.617161	9.534603	9.337099	8.603601	8.835289	8.742671	8.931912	9.027056
NCR3LG1	4.936265	4.102798	4.97479	5.035424	7.8024	8.824402	8.122355	7.656992	7.753198	7.746815	8.625359	8.457723
TMEM44-AS1	4.749437	4.514239	4.542908	4.817794	5.598104	5.600269	5.316527	5.413024	5.438913	4.903889	5.909111	5.283076
PROSER2	4.507691	4.4899825	4.596629	4.8132515	4.6810835	7.6360395	4.435114	4.7385825	7.666431	4.5379025	8.1003205	4.6861015
LRRC37A4P	2.79343	3.026197	2.56048	2.836749	2.953227	3.075149	3.109161	2.969032	3.317784	3.054895	3.260312	3.417448
SMIM4	4.46291	4.153794	4.136623	4.076791	4.457584	4.667289	4.651403	4.665425	4.458638	3.951534	4.69834	4.345683
LINC00526	6.476127	6.320426	6.063509	6.527932	6.164066	5.664996	5.666677	6.12157	6.730867	6.290452	6.469746	6.164197
MIR3682	5.765302	5.397943	5.954422	5.615711	5.811273	6.452448	6.560486	5.736672	5.340328	7.043041	5.582506	7.037839
SERTAD4-AS1	5.010342	5.124729	5.626407	5.140361	7.923005	7.462544	6.238267	7.919855	7.791599	5.349738	5.454396	4.764668
TRMT10A	5.119759	4.519449	4.489782	5.53542	5.423709	7.251186	6.401435	5.522645	5.5461	4.728835	5.669154	5.508458
RUSC1-AS1	5.206009	4.9471935	5.015523	4.246541	5.2850755	5.1573745	5.6226365	5.326011	5.611829	5.730508	5.2220645	5.7513345
FUOM	7.528965	7.560978	7.386429	7.465564	7.472547	6.282313	7.727325	7.515091	7.712507	7.12682	6.169922	6.849764
FGF14-AS2	4.272002	4.0782205	3.9057025	3.8421585	4.160721	4.2241645	4.83564	4.259455	3.769697	5.238339	5.208352	4.700038
KANSL1-AS1	5.724513	5.326617	4.869434	5.4340445	4.988133	5.5064755	5.1646795	5.1942455	3.7808895	5.4921625	4.469662	4.3239725

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
FAM228B	6.27922	6.929631	7.500748	6.444479	5.93081	5.528878	4.781834	6.188549	7.008436	7.282927	6.5157	6.379396
DBH-AS1	5.372531	4.925156	5.629601	5.130001	5.159657	4.892313	5.079983	5.110913	4.990996	4.764668	5.159996	5.271633
ARHGEF39	4.341717	4.198483	4.469742	4.542642	4.655228	4.648294	5.330528	4.678517	4.387305	4.54426	4.620265	4.505685
TNRC6C-AS1	4.086565	4.00219	4.061709	3.958896	4.134334	3.96734	4.018083	4.17739	4.797946	4.106539	4.537817	4.275561
TSACC	5.812874	6.090818	6.11953	5.776158	6.031354	8.096714	5.71265	6.149216	6.228998	5.704589	6.86428	5.578891
FAM210A	7.407429	6.763712	7.708518	7.577095	7.28739	9.103245	7.663104	7.24491	7.387545	6.659195	7.695918	7.022497
TRABD2B	4.010729	4.274242	4.285882	4.380093	5.280119	5.667688	5.025077	4.846703	4.350881	5.172465	5.836816	4.974473
SLC35G1	5.217941	4.980088	5.264703	5.908889	6.408794	6.772048	6.938489	6.356852	6.21242	6.683845	6.547893	6.951916
PCAT6	7.099419	7.278587	6.93703	6.606534	5.123595	5.922352	4.847653	4.874034	5.781859	5.701595	5.200803	5.505206
SZT2	5.1780415	5.3024	5.212453	4.776998	4.655145	4.9149695	4.4859385	4.4947075	4.6675245	5.1423505	5.547093	4.9103085
KANSL1L	4.6806145	4.068506	4.209038	4.290789	4.652167	4.3565215	4.900235	4.9946825	4.527951	5.9053895	4.519945	5.2744765
VMP1	10.88445	9.028845	8.034104	6.540426	5.604704	4.267819	4.435867	5.946798	5.261426	4.969415	5.968943	4.32618
PRKCQ-AS1	3.8322645	3.813706	3.5551295	3.7878955	3.9949835	4.598933	4.207712	4.053377	4.727026	4.285839	4.684078	4.2713895
LINC00537	6.893358	7.421713	6.675933	6.938597	6.850937	6.725428	6.999886	6.858562	6.970894	6.511772	7.013762	7.039026
FAXC	3.141008	3.14547	3.6367545	3.1836285	3.011669	3.147219	3.087942	2.931436	4.041392	3.109751	3.1254385	3.0016045
DNM3OS	8.899254	9.133839	8.599223	7.695325	5.414334	3.585011	4.656481	4.841225	6.721769	7.924587	3.089708	4.568251
SLC25A51	6.3109845	5.844187	6.193149	6.7723685	6.5991985	6.7393575	6.7330985	6.5423285	6.71821	6.301397	6.6812175	6.104412
CEP89	6.774015	6.1886005	6.2793755	6.033044	5.6687625	5.2742185	5.465894	5.5873355	5.979986	4.939787	5.4224455	4.9380255
SSBP3-AS1	5.093783	4.733667	5.118557	4.300251	4.954142	4.229891	5.005154	4.84103	4.14753	4.960659	4.714352	6.089113
MIR181A2HG	4.691141	4.720416	5.380388	4.276262	5.953754	4.409713	5.036332	6.004702	4.997496	7.893816	5.319824	7.505363
PSMD6-AS2	5.724051	5.345873	6.0243415	5.1665035	4.9873845	4.782326	5.1432665	5.231877	5.156958	6.6751705	5.0305075	6.3091895
LOXL1-AS1	8.048995	8.54554	8.454298	8.767261	5.641553	8.513206	3.842925	5.606805	8.347486	4.189004	6.922053	3.971214
HELZ2	6.1122205	6.744369	6.2274055	5.9087235	5.9369195	5.995609	5.969287	5.940004	6.316999	5.864534	6.193261	5.7248635
WAC-AS1	8.401589	8.418905	8.422765	8.470678	8.957907	9.278726	8.946599	8.812144	8.669288	8.905293	9.132193	9.479269
RBM26-AS1	3.812838	3.902752	3.751375	4.011524	4.800763	6.5586425	4.4660635	4.533178	4.596593	3.9789775	5.6350555	4.052095
LOC100289333	7.085612	6.799842	6.962908	6.730753	6.960634	6.078635	7.024538	7.024538	5.939001	7.640846	6.908858	8.790347
UVSSA	5.852425	5.643287	5.523666	5.790078	5.752101	5.768098	5.502954	5.831483	6.187992	5.846894	6.095071	5.445908
ZBED5-AS1	6.317603	5.923846	6.163027	6.836049	8.372578	8.366933	7.663912	8.474249	7.095735	6.830642	7.482759	6.606813
LRR1	6.8843095	6.695218	6.846593	7.129563	7.479457	7.0244425	7.8572835	7.329337	6.955096	6.6420725	6.848748	6.696334
NIFK-AS1	5.817461	5.0061825	5.585627	5.911392	6.3080175	5.587064	6.4118765	6.3366935	6.092134	6.1218	5.8808895	6.0891595

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
LOC100505501	3.06563	3.13769	3.498187	4.08085	5.7254	2.869011	3.447014	6.022846	6.429988	6.035139	3.104693	4.985972
LINC01003	4.748152	3.758488	4.756094	4.720098	7.061172	7.388789	7.328524	6.844442	7.478045	6.749149	7.565057	6.833942
METTL21A	6.318986	6.249646	6.674638	6.719939	6.895564	6.969495	7.537464	6.690944	7.096356	6.164841	6.974137	6.570755
TYW5	5.41648	5.517181	5.810683	5.480861	5.972443	6.405882	6.132188	5.955649	6.029103	6.337362	6.238971	6.388289
LINC01004	4.416228	4.692977	4.36639	4.533283	4.063972	4.159085	4.145343	4.317928	4.091893	3.694005	4.246067	3.471763
RMDN2	4.371531	3.991192	4.489782	4.353488	4.581029	4.246084	3.962537	4.676036	3.665089	4.266815	3.95128	4.979962
TANGO2	7.839963	7.383806	7.787676	7.908939	7.897758	7.567981	7.671775	7.836005	7.605626	7.439715	8.110882	7.107771
TMEM161B-AS1	5.9186515	5.9283435	5.536174	5.463282	6.1691465	5.200377	5.943629	6.0455475	5.1367115	6.4504495	5.516612	6.296086
CKMT2-AS1	4.8404275	4.805674	4.6571685	5.0386155	6.057394	6.066067	5.1407525	6.1180095	5.8843415	5.609839	6.7764325	6.81404
PAXIP1-AS1	5.554286	5.450015	5.614495	5.277074	6.22224	7.100351	6.440174	6.161908	6.042568	6.397338	6.602963	7.065721
USP46-AS1	3.203549	3.215467	3.565094	3.481862	3.725676	3.435932	4.131205	3.555986	3.587149	3.289902	3.320394	3.139823
ZNF790-AS1	4.9285205	4.737492	5.049781	4.689936	4.249085	4.0844105	3.9232	4.4158845	5.4832885	5.41173	4.8180695	5.9407935
CNEP1R1	9.164401	8.845223	8.909684	9.198807	8.600389	9.099558	8.6807	8.763412	9.240069	8.780817	9.088749	8.860299
SFR1	6.47443	6.6314115	6.557011	7.188538	7.2961095	8.0718665	7.705312	7.338507	7.3844405	6.8633725	7.145025	6.453656
CCDC183	3.643394	3.71023	3.431581	3.734463	4.054111	3.48154	4.045539	3.949974	3.984809	3.90262	4.593458	4.23315
SDCBP2-AS1	3.59896	3.296754	3.46272	3.561855	4.086721	3.565093	3.900518	4.007449	4.560989	4.55688	4.048626	4.49624
IBA57	5.520458	5.3743415	5.3960085	5.313206	5.4684935	5.4371465	5.268223	5.4217435	5.2414885	5.149752	5.5020805	5.265485
HHIP-AS1	5.200596	5.443821	5.503361	5.811156	6.173363	5.314849	6.155419	5.829071	7.910154	7.206123	5.103207	7.284444
LOC100506473	5.292358	5.129004	5.418447	5.549006	6.267943	6.232308	6.28783	6.184872	6.117434	6.197638	6.602548	6.367796
EMC3-AS1	5.793357	5.750182	5.612832	5.484213	5.221271	5.850101	5.595496	5.15914	5.528299	6.382616	5.612832	6.436132
ENDOV	5.9089835	5.7776545	5.994854	5.546472	5.6398685	5.8617255	5.607712	5.52707	5.8035485	5.5261085	5.7408765	5.654777
MICU3	6.774765	6.570452	6.558985	7.692328	6.582453	6.797886	7.02617	6.61887	6.78245	7.344061	5.882177	7.641448
SETD9	5.359098	5.099345	4.8856945	5.400514	6.1909095	6.212057	6.739084	6.060972	6.132726	5.0507165	6.506868	4.9131665
UBL7-AS1	5.690678	5.461272	5.2948365	5.6181995	5.4361825	5.0785075	5.803866	5.343289	5.3523185	5.462901	5.8501115	5.3043805
DPH6	4.494865	4.25481	4.0324785	4.367029	4.5635715	4.903073	5.1357705	4.582289	5.0266295	4.8929905	4.682828	4.8776085
COLCA1	4.609151	4.698074	4.175674	3.87163	4.1774	4.37804	4.241416	4.468389	4.313718	4.819187	4.828562	4.704427
METTL15	3.904683	4.099823	4.207739	4.110264	4.189144	4.375614	4.027539	4.447426	4.027339	3.847187	3.782611	3.348516
THAP7-AS1	5.571592	4.9839815	5.4666845	5.528802	5.2787355	5.2975245	5.348862	5.1499845	5.643238	5.288036	5.6486735	5.2024215
CA5BP1	6.3032375	7.056046	6.7447845	6.6985865	6.2680725	7.868374	6.43903	6.1608025	6.903932	6.4656985	6.26949	6.763958
GUSBP5	4.374139	3.20559	3.892126	4.43245	3.991984	3.902458	3.741377	4.076897	4.923063	3.744258	3.869453	3.583989

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
ANKRD20A11P	5.673026	6.009976	5.906277	5.782827	6.007491	6.016056	5.384902	5.902495	5.8686	6.328934	5.942479	7.075448
LOC100507507	6.796242	6.5646605	6.4885765	6.45905	5.7803125	6.7674545	5.9106705	5.6719925	6.213383	6.126154	6.4880325	5.5851005
LOC100506691	4.485818	5.259781	5.099453	5.35903	5.419226	4.971838	5.765978	5.697472	6.860804	5.361265	6.049159	6.159576
ZNF674-AS1	5.910115	5.546145	5.660612	6.046063	7.211312	7.743376	7.404218	7.298717	5.663634	6.415776	7.276258	6.552693
LINC00973	3.198496	2.50767	2.469409	4.245841	2.455078	2.956744	2.546012	2.791168	7.344563	2.583301	2.599984	2.340823
FTX	5.901479	4.4972245	4.928878	4.5946755	5.711234	5.008404	5.862429	5.6959455	4.990276	8.437888	6.4137055	9.435421
RASSF8-AS1	6.763226	6.451219	7.1680155	6.1776365	5.9538395	4.900678	5.3894745	5.870696	5.235338	6.284261	5.1368015	6.0251785
FUT8-AS1	5.231177	4.7589415	4.420498	4.6610495	4.5303965	4.248181	5.6913755	4.456508	4.30636	5.0666065	4.235888	4.834144
FAM13A-AS1	5.092976	4.4758855	4.678623	4.644999	4.947868	4.4199835	4.5718075	4.758665	4.5594935	5.955706	4.6924825	5.483836
LINC00482	5.421874	5.823236	5.486046	5.12218	5.325625	5.572062	5.332213	5.472513	5.273512	5.674926	5.700864	5.559458
C15orf65	5.4391	4.260035	4.663295	4.686968	5.595128	5.782257	5.99981	5.5895	7.572391	5.582353	5.576902	5.75143
FAM207A	6.4009055	6.4677085	6.7038365	6.6048295	6.633441	7.07964	6.7768235	6.6338245	6.101772	6.2169355	7.4896925	6.3731925
MIPEPP3	4.9394915	4.876529	4.861113	5.0165575	5.2019835	5.3645655	5.428806	4.9239225	4.3753585	5.02058	4.674809	4.9744465
TTC28-AS1	4.244816	4.917827	4.578569	4.846703	5.097436	5.029794	4.982902	5.110913	5.11481	5.061899	5.163784	5.068228
ZNF667-AS1	7.3407755	7.1346475	7.1711695	8.582278	4.4898305	4.2038585	4.452409	4.3935725	9.041853	7.5052785	4.433798	5.777768
NUS1P3	6.29766	6.481983	6.343281	6.239884	6.334471	7.408896	7.063856	6.273808	5.941732	4.71069	6.135481	4.120427
OGFOD3	6.913991	7.237754	7.27606	7.341868	7.180315	7.449856	7.358787	7.124142	7.235248	7.236485	7.21352	7.077357
LINC00273	5.414658	3.765518	3.675601	6.811288	13.70998	13.91743	13.88519	13.63435	11.1779	10.78364	11.73422	11.87193
MCMDC2	2.7936765	2.741899	3.0234795	2.6555945	2.7961655	2.9288495	2.624202	2.8139	2.908544	2.74415	3.11234	2.964792
GRIK1-AS2	4.530301	4.285962	4.568308	3.963069	3.996139	4.182518	4.071378	4.011045	3.849078	3.781822	4.131925	3.873492
LINC00161	2.8678295	2.828537	2.8217405	2.98524	2.9194695	2.8177895	2.8478635	2.903057	2.7265885	2.7749845	2.9279165	2.952352
TSPEAR	4.26416	4.169367	3.974582	4.296506	4.087749	4.24021	4.038712	4.268431	3.918978	3.962469	3.947022	3.925373
LINC00308	3.6384845	3.744158	3.5421595	3.749518	3.643469	3.6353495	3.680282	3.6356265	3.6817895	3.606178	3.556146	3.581243
PP2D1	2.565979	2.638829	2.583859	2.525402	2.576741	2.412962	2.542917	2.686983	2.427259	2.425368	2.431585	2.528485
LINC00205	5.78614	5.655303	5.503436	5.422103	5.42841	6.325059	5.055268	5.432288	6.145056	6.31159	6.931967	6.431133
LINC00311	3.372054	3.938033	3.423671	3.345324	3.571053	3.433003	3.533301	3.482179	3.45399	3.16117	3.232148	3.280477
CIRBP-AS1	4.9331965	5.3758355	5.0290965	5.2121855	5.248394	5.1692525	5.1009475	5.1951585	5.092018	4.9151455	5.060878	4.6598595
AXDND1	2.796996	2.600859	2.8097165	2.6671285	2.719818	2.7282335	2.6014685	2.6756185	2.7306085	2.5601935	2.808036	2.878379
ASMTL-AS1	5.419728	5.584002	5.304949	5.113503	5.247929	4.933736	5.173589	5.162994	4.842095	5.176512	5.247738	5.061174
LINC00334	4.202705	4.460826	4.289433	4.386091	4.502345	4.244534	4.268556	4.394252	4.163367	4.319668	4.465881	3.843434

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
TBATA	4.664474	4.754376	4.501394	4.699846	4.866613	4.752947	4.614852	4.678516	4.44528	4.130283	4.731676	4.352156
GCSAML	2.51405	2.55856	2.332639	2.220695	2.429187	2.464465	2.508323	2.535357	2.455516	2.710398	2.647707	2.433548
LOC149373	5.084617	5.227586	5.111383	5.436939	5.297715	4.818151	5.12375	5.32392	4.867341	4.550639	5.079593	4.813797
LINC00208	3.980175	3.956572	3.734879	3.887631	3.749211	3.723391	3.742399	3.798378	3.810093	3.900519	4.214833	3.942683
LINC00471	2.906744	2.883426	2.805995	2.972845	3.1428	2.778471	2.738651	2.794694	3.30478	2.798806	3.465481	2.961849
DAOA-AS1	2.450833	2.49893	2.484916	2.647979	2.472017	2.454499	2.443822	2.469828	2.501886	2.476999	2.666725	2.382354
LACC1	4.860198	4.559347	4.48443	4.854722	4.137299	5.013301	3.955197	4.499286	4.905319	3.258145	4.704543	3.681141
LINC00052	3.121244	3.49739	3.482951	3.767183	3.87963	3.839325	3.582092	3.863363	3.356876	3.31784	3.64924	3.374364
ERVV-1	3.728481	3.912005	3.800396	3.592937	3.484409	3.365596	3.364556	3.706805	3.343101	3.309126	3.539408	3.556929
MAB21L3	2.449486	2.570355	2.301146	2.588449	2.334881	2.567091	2.390683	2.516129	2.687626	2.490238	2.732834	2.324737
ERVW-1	3.5872155	3.6116195	3.4770805	3.890669	3.6921545	3.7090635	3.4970955	3.7810535	3.4487445	3.579885	3.817281	3.571361
SATB2-AS1	3.0015465	3.2237435	3.2491915	3.190485	3.247081	3.102201	3.141975	3.098645	2.9656585	3.2240345	3.272898	3.1658615
C5orf64	2.955087	3.07921	3.022417	3.044162	2.789361	2.870823	2.870589	2.811041	2.690071	2.957245	2.70304	2.679479
LY86-AS1	2.99047	2.657536	2.956646	2.835812	2.835509	2.859426	2.564613	2.955007	2.649669	2.560631	2.695251	2.673873
FER1L6-AS1	3.364125	3.54379	3.372054	3.666687	3.205991	3.479305	3.23765	3.756861	3.565093	3.198375	3.479305	3.55776
LINC00304	4.323409	4.356163	4.087852	4.4798	4.526907	4.262837	4.37201	4.401255	4.376204	3.554779	4.244898	3.927243
LINC00269	5.555767	5.467197	5.41909	5.4687	5.43727	5.405211	5.052693	5.41909	5.474215	5.273966	5.388697	5.175622
VSTM4	6.5289915	6.3429245	7.188559	6.336386	4.76845	4.794414	4.535032	4.831733	5.827304	5.1378525	5.550306	5.2737115
SLC35G3	3.038498	2.906698	2.936394	2.830599	3.182386	2.914707	2.885407	3.170562	2.813711	2.830959	2.866613	3.099187
KIRREL3-AS3	4.012665	3.52812	4.469027	4.338215	4.049069	3.51209	3.693415	4.018431	4.038202	3.732924	3.800702	3.897839
LINC00477	2.855338	3.060783	3.344669	2.83033	2.941539	3.247996	3.060429	3.49499	3.022486	2.910124	3.047776	2.914517
LINC00615	2.582822	2.661145	2.722552	2.438312	2.67086	2.298373	2.474962	2.57491	2.600679	2.442257	2.660696	2.370428
LINC00314	2.312516	2.405861	2.343301	2.568311	2.370791	2.360581	2.361055	2.301764	2.551368	2.408322	2.227779	2.414762
PIANP	5.1247245	5.5741845	5.207822	5.1550605	4.9074195	4.7495445	4.3887115	4.955854	4.978609	4.721614	4.772457	4.5782155
FBXL19-AS1	4.206049	4.641044	4.566159	4.513347	4.634066	4.544791	4.571391	4.813236	4.643369	4.413239	4.439763	4.069106
BCRP3	4.4603	4.723086	4.483931	4.986341	4.528919	4.28268	4.314343	4.6017645	4.2780735	4.291744	4.454637	4.171653
LINC00189	2.596108	2.897409	2.4422	2.608144	2.613001	3.539776	2.493604	2.697215	2.741556	2.79262	3.587592	2.881711
EFCAB13	3.145645	3.078567	3.343499	3.085146	3.12958	2.942481	3.116037	3.038088	3.148488	2.96513	3.04173	3.018818
SLC9B1	3.193565	2.755407	3.565093	3.361895	3.3005	4.255992	3.24215	3.504196	3.272433	3.268369	3.338763	3.001362
SYNE3	6.3463555	6.2413365	6.641347	6.072119	5.5263605	4.651493	5.778189	5.4493715	5.5016615	5.964889	6.0410775	5.1179155

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
LINC00525	3.05236	3.152795	2.846681	2.963451	2.733114	2.633295	2.797204	2.864982	3.429136	2.65932	2.764061	2.699426
FAM218A	3.8332825	3.271957	3.3720635	3.378742	3.3390125	2.837359	3.308741	3.2885275	3.3919055	3.5390925	2.928377	3.8838565
LINC00337	2.800515	3.27522	2.859426	3.142944	2.978506	2.789572	3.002897	3.032198	3.001049	2.911809	3.116056	2.589602
OTOGL	3.121092	3.130167	3.012588	3.207302	2.996418	3.176813	2.77368	2.917317	3.044126	3.034505	3.196658	3.208085
SPATA25	3.850593	4.557981	4.166829	4.166829	3.629633	3.67691	3.623709	3.799179	3.705787	3.394864	3.911816	3.676057
GLIS3-AS1	5.054452	5.011136	4.899598	5.239153	5.144096	5.188291	5.215981	5.081179	5.02971	4.914135	5.381449	4.685127
PRR14L	4.8758445	4.525981	4.7144325	4.7787295	4.8843585	5.0788955	5.2458855	5.1211625	4.661333	5.0233005	4.77336	5.1245365
LINC00638	6.682844	6.648225	6.518808	6.647824	6.700925	6.50631	6.367776	6.66712	6.344753	6.197758	6.692323	6.241583
FAM227B	2.7936925	2.478878	2.55815	2.39686	2.4708915	2.5247555	2.4305455	2.4601245	2.458311	2.4158655	2.544272	2.400203
TMEM252	3.661906	3.966067	3.370177	3.792309	3.593844	3.354894	3.673459	3.80115	3.569371	3.430434	3.396221	3.499579
FAM222A-AS1	2.959466	3.59803	3.318568	3.231517	3.474062	3.935175	3.374261	3.565093	2.898631	3.04879	3.52607	3.247554
NXPE1	3.8139145	3.9164	4.0024595	3.816226	3.95275	3.701722	3.8771345	3.971582	3.7244345	3.8476345	3.9202035	3.7243705
CYP1B1-AS1	3.640646	3.7141535	3.5524155	3.5323155	4.636262	3.636697	3.659509	4.5489375	3.5855395	3.6472155	4.3303505	3.7040215
LINC00315	5.593572	5.990091	5.706006	5.832889	5.790087	6.057293	5.790948	5.677152	5.675621	5.51169	5.341624	5.627816
KIAA0825	2.859806	2.800005	2.9354075	2.8271675	2.8210585	2.789869	2.5880425	2.723568	2.8579735	2.858709	2.8769325	2.84782
CSNK1G2-AS1	6.055073	6.465018	6.31806	6.1484	5.861392	5.919919	5.978403	5.972775	5.71874	5.86437	5.9518	5.591243
SIGLECL1	2.948143	3.206989	2.807835	2.97796	2.83033	2.722044	3.147569	2.9449	2.944716	2.960079	2.74711	3.19154
LINC00479	5.024769	5.234506	4.984154	5.421142	5.200207	5.12353	5.046654	5.129641	5.008697	4.595433	5.161425	4.753277
OSTCP1	2.659884	2.716848	2.553403	2.737123	2.97383	2.732231	2.739026	2.728551	2.734922	2.474568	2.772773	2.364562
LINC00305	2.698342	2.935383	2.8211	2.640428	2.696817	2.719263	2.786818	2.626453	2.657737	2.656573	2.742898	2.508155
TMEM239	4.1123245	4.501422	4.165903	4.4575655	4.3038015	4.226027	4.2726195	4.272284	4.257601	3.943269	4.19332	3.7750505
MIR31HG	9.143497	9.701318	9.767438	9.715086	4.784317	5.364659	4.331958	4.403588	6.520046	4.731352	6.12407	4.936473
PLEKHS1	2.5281555	2.60469	2.5349995	2.4705315	2.5516045	2.663599	2.5449635	2.516547	2.7192725	2.5344335	2.725233	2.4590335
TRMT44	5.011754	5.274333	5.076428	5.046239	4.996936	5.343267	5.117928	5.069885	4.792632	5.228808	5.017245	5.021662
GRIK1-AS1	3.121092	3.384936	3.23759	3.569473	3.589585	3.420028	3.303148	3.442456	3.345139	3.104784	3.53831	3.390451
CERS3	4.008712	3.8483325	3.8954235	4.0635895	4.0200235	3.7891195	4.035048	4.203964	3.875157	3.682025	3.8848595	3.8783545
LHFPL3-AS1	2.937965	2.807277	2.916213	2.776411	3.039339	2.749205	2.843441	2.725606	2.859996	3.069899	2.839939	2.834748
DRAXIN	4.276001	4.394907	4.322065	4.339199	4.219863	3.881783	4.067388	4.027905	4.813848	4.315638	3.968517	4.143259
LINC00656	5.540518	5.677556	5.400694	5.784464	6.142227	5.632057	5.670048	6.221243	5.792855	4.945267	5.803217	6.000449
RAD51B	4.444476	4.6009745	4.254961	4.5781615	4.657231	4.2467235	4.581563	4.840303	4.461055	4.296382	4.725703	4.278555

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
LOC100287896	4.518548	4.95146	5.073508	5.354568	6.005238	6.762753	4.693574	5.932519	6.778075	6.205937	7.376842	6.032093
SPATA6L	2.881899	3.389681	3.08144	3.048698	2.810898	2.828203	2.867546	2.727313	2.788677	2.711565	3.000638	2.474394
LINC00593	3.6417295	3.8563465	3.9571475	3.5914175	3.6331245	3.593042	3.4892155	3.5906365	3.6388805	3.4637205	3.5358465	3.355526
LINC00301	2.753073	2.99497	3.170643	2.866179	3.452545	2.903802	3.326774	3.07784	2.851758	3.117862	2.903802	3.064999
KLHL30-AS1	5.014455	5.238832	5.367724	5.040453	4.966739	4.926961	4.787376	4.940817	4.972152	4.760881	4.989565	4.697999
RAB39A	4.646594	4.25767	4.432882	4.363651	4.392162	4.315155	4.271044	4.36328	4.311621	3.845615	4.230564	4.187769
FNDC9	3.774822	3.994249	3.641565	3.73217	3.578675	3.605114	3.517045	3.527329	3.368749	3.180006	3.379749	3.222426
CMAHP	4.109623	3.8796555	4.835959	4.319377	4.75851	5.562842	4.2623795	5.0864805	4.5440675	5.095492	5.543652	4.764118
CAMKMT	3.9704945	3.771703	3.9803355	4.5223945	5.133842	4.854542	5.624916	5.042554	4.348509	4.836687	4.4970735	4.8898345
LINC00598	3.950682	4.026136	3.904663	4.005741	4.214727	4.036617	4.10493	4.01378	3.975115	3.746563	4.051261	3.93115
EXOC3L1	5.93328	6.5949195	6.137697	6.1819505	6.2258925	6.1510345	5.9900185	6.312979	6.302004	5.9495495	6.304978	5.6481915
LINC00051	2.587596	2.604092	2.638321	2.618261	2.661059	2.499496	2.58785	2.764104	2.62183	2.573027	2.689698	2.659885
LINC00317	4.372983	4.233909	4.446802	4.1083	4.155598	4.24893	3.934707	4.245494	4.074164	4.441492	4.181561	4.170095
SLC9C2	2.981475	2.961852	2.966078	2.9779665	2.9589785	2.671567	2.688581	2.980827	2.753545	2.791891	2.8504395	2.761268
LINC00612	3.372054	3.172785	3.020781	3.138979	3.154396	2.965158	2.869382	3.05389	3.204222	2.819937	2.830185	2.833111
STPG2	4.522885	4.754692	4.577597	4.709011	4.924477	4.802385	4.81886	5.053341	4.522053	4.866098	4.635195	4.985972
MTUS2-AS1	4.376196	4.692756	3.938881	4.489673	4.394907	4.425566	4.139353	4.267296	4.279728	4.122012	4.228474	4.304235
LINC00421	5.154918	5.484847	5.390798	5.047929	5.295626	4.818055	5.246411	5.274608	5.049403	4.840886	5.273939	4.717896
CCDC148-AS1	3.404812	3.320437	3.301122	3.003123	3.305973	3.264003	3.350241	3.049312	3.358423	3.124979	3.243095	3.117657
LINC00663	3.614649	3.327035	3.722301	3.805487	3.917814	3.857219	3.96304	4.332767	3.713835	4.117473	4.213633	3.926631
CCDC172	3.641566	3.474082	3.341502	3.608952	3.448045	3.240348	3.422301	3.284206	3.40401	3.504476	3.42688	3.247603
BPIFB6	3.806928	4.383371	4.058417	3.873289	3.9812	3.798382	3.712864	3.913851	4.093243	3.595538	4.051261	3.446921
BPIFA4P	4.098387	4.294129	4.062237	4.578795	4.346003	3.959099	4.237761	4.261559	4.030051	3.983161	4.09176	3.943965
GUSBP2	3.062003	3.210211	2.98212	3.106972	3.102191	2.832303	3.006317	3.111057	3.143647	3.468076	3.070304	3.570812
BPIFC	4.334143	4.678802	4.36639	4.364165	4.422033	4.421303	4.1399	4.37293	4.208984	4.522177	4.362561	4.092189
LINC00520	8.036243	8.072217	7.820266	8.189557	6.781961	11.37399	7.746197	7.259105	7.488537	7.021945	12.846	10.99106
LOC100507477	3.3061645	3.433311	4.5300435	3.929486	3.240894	3.216908	3.1292905	3.2314895	3.597689	3.2284215	3.277096	3.126152
ERVFRD-1	3.394762	4.129483	3.507401	4.136019	3.643518	3.697934	3.752757	3.879182	3.697919	3.367132	3.662821	3.569375
ANKRD36C	3.895714	3.856849	4.167512	3.83632	3.713421	3.526821	3.644226	3.642298	3.757685	4.686409	3.370194	4.670654
ST7-AS1	3.863363	4.515628	4.477162	4.520059	4.504529	4.028237	4.526475	4.59226	6.027291	5.061782	4.093994	4.708342

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
MIR205HG	2.995273	3.297906	3.009717	3.254755	3.221803	3.205991	3.367553	3.205991	3.321569	3.209305	3.196658	2.812647
LINC00661	3.7244235	3.867273	3.9753805	3.909466	3.9575265	3.9021345	3.903627	3.776029	3.829448	3.8289185	3.9552405	3.645023
DIAPH3-AS1	4.410676	4.5944375	4.364222	4.32382	4.2513155	4.468571	4.2879175	4.1473055	4.3069805	4.2843255	4.424411	4.347207
TTN-AS1	5.398049	5.373596	5.554679	4.745373	5.1110695	4.327029	4.899904	5.1874315	4.7734205	5.626457	5.5580575	5.3001095
LOC100507564	4.587534	4.279172	4.491075	4.606267	4.713264	4.434582	4.638803	4.500312	4.765821	4.6757	5.458828	4.799104
LINC00528	3.372054	3.689005	3.134515	2.965797	3.18139	2.87543	3.07998	3.352957	3.027344	3.127235	3.017747	3.076308
LINC00290	2.831931	2.713546	2.900908	2.606301	2.691479	2.79921	2.889849	2.931014	2.817831	2.80819	2.773691	3.026608
ANKRD65	4.9633795	5.164538	5.353809	4.8746845	4.5438715	4.528552	4.5779195	4.497714	4.5345575	4.4139265	4.416266	4.5495165
LOC100506271	5.18197	5.578897	5.450381	5.420905	5.489947	5.274045	5.333751	5.371976	5.391774	5.502861	5.531019	5.400257
LOC100506016	2.68062	2.67081	2.55856	2.708736	2.711735	2.707418	2.715914	2.711735	2.656384	2.721663	3.016919	2.486972
ADAMTS9-AS2	2.859971	3.294393	3.707412	3.016212	2.954645	2.950409	3.111676	3.049543	2.894517	3.360618	2.764664	3.466068
LOC100507389	3.0750195	2.8429535	3.079278	3.2503895	3.428959	3.3206445	3.220137	3.4667325	3.2942805	3.1773415	3.1250365	3.2367965
ZNRF2P1	2.869382	2.777871	3.282891	3.15939	2.770646	3.313902	2.931014	2.918603	3.110054	3.143854	2.958791	2.924875
LINC00515	3.213416	2.844311	3.122354	3.003391	3.010161	2.764716	2.941576	2.804232	3.559066	3.04879	3.025726	3.03095
LOC400622	3.132789	3.353382	3.232557	3.495282	3.339135	3.500443	3.189703	3.205991	3.334743	2.996034	3.177343	3.283714
LINC00606	2.711027	2.6338955	2.7200005	2.604373	2.7307015	2.643389	2.554171	2.62503	2.5757775	2.511552	2.7325565	2.640483
LOC100506274	3.94684	4.097494	3.730608	3.99294	4.273248	4.063643	4.0159535	4.0630815	4.189605	3.870704	4.352505	3.7996095
ARHGAP22-IT1	3.433298	3.356398	3.6076595	3.4746265	3.50576	3.2679155	3.342575	3.525385	3.439777	3.383199	3.4006545	3.2297
TMEM247	2.918219	3.090484	3.109064	3.0460155	3.296074	3.2113945	3.26116	3.1621685	3.233197	3.1355745	3.2256235	3.125676
LINC00605	3.702444	3.796676	4.071159	4.004356	4.172771	3.58051	4.114353	4.172771	4.020691	3.706481	3.921722	3.915547
DLG1-AS1	2.921197	3.041363	2.961981	3.137481	3.163174	3.231542	3.089586	3.116497	3.247834	2.827902	3.017748	2.845367
ENTPD3-AS1	3.051541	2.762666	2.94999	2.921096	3.274215	3.356733	3.217908	3.085039	2.961624	2.821531	3.089708	2.659885
LOC286178	4.181182	4.637959	4.477156	4.407168	4.280123	4.36639	4.609117	4.409308	3.946094	4.359444	4.498688	4.275561
LOC100506142	4.348876	4.347058	4.324143	4.4510185	4.0331385	3.9797575	3.898581	4.269294	4.074707	4.060852	4.1394675	4.031414
FAM216B	3.000528	3.047741	3.372054	2.939516	2.960013	2.847004	2.869416	2.901968	3.001043	2.870852	2.887819	2.776207
LINC00671	3.849242	3.9858255	3.9500945	3.864817	3.981852	3.8573505	3.8406975	3.8962375	3.958158	3.670106	4.0813685	3.621797
EGFLAM-AS2	4.0079875	4.198259	4.0278505	4.049188	3.7260005	3.894292	3.97255	4.014378	3.8953105	3.8883175	4.1803285	3.997959
KRBOX1-AS1	4.085137	4.397675	3.995584	3.938296	3.905968	3.706447	3.997943	4.040915	3.965578	3.90222	4.032029	3.781823
LPP-AS2	4.040765	3.325371	3.887062	4.88506	3.431615	2.862455	3.242881	3.402471	4.556004	3.352243	2.954661	3.073392
TIPARP-AS1	3.633189	3.664944	3.861374	3.839869	3.862674	3.540327	3.528159	3.723151	3.747573	3.692111	3.42845	3.689367

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
LOC100132078	2.742733	3.046585	3.101933	3.161533	3.109232	3.489575	3.259823	3.588445	3.039054	3.041342	3.382829	3.149714
LINC00558	2.60997	2.262903	2.726117	2.248554	2.458856	2.61259	2.406682	2.421684	2.561344	2.760699	2.571073	2.525735
NPHP3-AS1	3.332324	3.367181	3.513532	3.5513245	3.5299435	3.36032	3.6346355	3.601389	3.592762	3.494997	3.495327	3.391359
PRMT5-AS1	4.781615	4.433674	3.900518	4.560811	4.630588	4.631591	4.897826	4.92264	4.845693	4.27982	4.8594	4.107728
CFLAR-AS1	3.386688	3.604341	3.367279	3.361273	3.563854	3.542472	3.404612	3.578932	3.666169	3.04879	3.296346	3.478377
ANHX	5.0934985	5.4487555	5.490316	5.3044775	5.232012	4.976752	5.1682745	5.2781795	5.20748	5.1508005	5.292267	4.9657135
LOC100507250	4.613035	4.199297	4.217667	4.222282	4.238225	3.975197	4.205241	4.144148	4.188777	4.166169	4.307379	4.216338
LINC00665	4.019114	3.920205	4.21009	4.270729	4.40061	4.366488	4.980999	4.411866	4.166021	5.808488	4.158751	4.456167
HOTAIRM1	7.141253	6.958174	7.806586	8.211027	5.366712	5.069538	5.982037	5.499964	3.620334	8.309885	6.493512	7.863451
DICER1-AS1	3.8355475	4.1012305	3.73444	3.8665545	3.9572405	3.90214	3.8446475	4.000301	4.0909605	4.4605795	4.299886	4.3172735
SLC26A4-AS1	2.386553	2.521721	2.563786	2.608741	2.386553	2.455066	2.291917	2.413609	2.582442	2.415634	2.68538	2.55856
INTS6-AS1	4.605273	4.704035	4.7951685	4.6064055	5.4580625	5.319531	5.078512	5.4292085	4.382985	5.337353	6.150319	5.0949425
TMEM198B	6.8320165	6.762378	6.365257	6.2404175	6.341605	6.1845615	5.9700605	6.2768115	6.0206835	6.2399435	6.4586735	6.5967475
SSTR5-AS1	4.164007	3.990683	4.05964	3.92959	4.161548	3.91855	4.05964	3.925942	4.112295	4.026458	4.12057	3.91898
LOC100506258	3.6523155	3.729564	3.6527235	3.645515	3.5557785	3.6185555	3.4804635	3.5404655	3.6663305	3.3830095	3.674733	3.699958
FAM181A-AS1	3.211653	3.347744	3.278515	3.460053	3.275148	3.305395	3.606132	3.506251	3.305395	3.347864	3.394685	3.447703
LINC00648	3.167482	3.235959	2.921548	3.092707	2.991312	2.890982	2.730036	3.089708	3.84637	2.919074	3.31931	3.228269
MIRLET7BHG	6.334665	6.844881	7.051433	5.977948	6.724511	5.707891	6.151747	6.715031	5.182381	6.836752	6.292396	6.913884
LOC100507600	3.713327	3.270347	3.435676	3.487794	3.468087	3.564215	3.463236	3.565093	3.513455	3.280938	3.381429	3.450907
LOC100506606	4.34709	4.529361	4.36639	4.39387	4.321668	4.440674	4.16769	4.453973	4.651816	4.316566	4.315547	4.409315
LOC100506497	3.156075	3.377372	3.576808	3.4374545	3.505951	3.445215	3.46767	3.7004615	3.520134	3.315088	3.4893995	3.7111615
TREML3P	3.570368	4.010743	4.018033	4.096632	3.977189	3.689479	3.6857475	4.023054	3.7145195	3.7502335	3.9273295	3.547308
WHAMMP2	7.202122	7.037331	7.404603	7.313457	6.917626	6.484484	6.997424	6.967787	7.193666	6.992719	7.081308	6.955533
FLJ31104	4.299619	3.953074	3.991491	3.949772	4.442425	4.051013	4.092142	4.12308	4.273658	3.930273	4.334789	4.056442
LINC00507	2.73087	2.8818	2.754712	2.692497	3.473363	3.311878	3.565094	3.49499	2.857774	3.372054	2.772222	3.29701
PPP1R27	5.879481	6.182828	5.851747	6.010743	6.34071	6.10493	6.043286	6.400693	6.306753	5.802981	6.402588	5.716637
LINC00320	2.477315	2.5404525	2.5496225	2.530237	2.622359	2.6277395	2.607313	2.7578035	2.5838585	2.654462	2.5982175	2.5811475
CBX3P2	2.634933	2.462327	2.459966	2.4784	2.184976	2.606164	2.664779	2.558176	3.52009	2.409737	2.752782	2.601614
LOC100240728	4.2388385	4.363159	4.1509105	4.0659195	4.169058	4.293567	4.0356325	4.2059885	4.251476	4.064544	4.253426	4.1474485
LOC100507403	4.382887	4.616223	4.432405	4.527841	4.590685	4.33987	4.55425	4.529055	4.188777	4.239052	4.291123	4.061644

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
MATN1-AS1	3.8135235	3.896712	3.88828	3.4319705	3.7151685	4.0640145	3.6515985	3.3976975	3.594883	3.795004	4.6354895	3.583674
LOC100507634	3.2181635	2.973243	3.1041635	3.464133	3.575821	4.267101	3.5409615	3.4147095	3.973705	3.3775495	3.609757	3.2371755
PARD6G-AS1	5.443926	5.473665	5.4093415	5.691382	6.3938995	5.957599	6.2738745	6.405363	5.656734	5.6319435	6.952115	6.162237
LINC00624	2.692553	2.642945	2.738011	2.556649	2.723215	2.902666	2.759953	2.797681	2.59385	2.606792	2.631101	2.386553
LOC401312	3.792007	3.509348	3.532081	4.034594	3.987004	3.72019	3.722302	3.881802	4.471974	3.474992	3.713239	3.269462
DCTN1-AS1	2.524818	2.47039	2.806616	2.497526	2.829862	2.937289	2.824717	3.202095	2.987869	2.839777	2.808833	2.823979
VWA8-AS1	2.5782355	2.8178315	2.686379	2.765474	2.545792	2.562556	2.610662	2.643685	2.5669895	2.474327	2.5477245	2.560956
LINC00642	3.257512	3.362253	3.550476	3.546535	3.682621	3.286738	3.682747	3.6181	3.411955	3.050058	3.497482	3.343787
AK8	5.7983625	5.9328265	5.9295935	5.9462335	6.079456	5.6049785	5.8310555	6.038299	6.0206505	5.850979	6.129707	6.125951
LINC00550	2.535846	2.778503	2.364793	2.37797	2.462706	2.325193	2.532692	2.508727	2.196619	2.529372	2.410706	2.445682
CHRM3-AS2	3.121092	2.954566	3.022417	2.795283	2.926548	3.048735	2.890088	3.136338	3.056518	2.838121	3.096918	3.023244
LOC100130548	2.751519	3.185661	3.355954	3.357713	3.292649	3.132331	3.127995	3.278615	3.17026	3.372054	3.619391	3.008694
MAP3K14-AS1	3.867228	4.628178	4.495087	4.329635	4.020479	3.964356	3.728057	3.863364	4.072035	3.836397	4.204427	3.733266
LINC00476	4.8409405	4.1016525	4.0066335	4.4055015	4.470434	4.245463	4.5983255	4.5554945	4.8512495	4.228888	4.637907	4.0301605
LINC00639	2.963717	2.71291	2.828042	3.151484	3.42054	3.513999	3.423912	3.338542	2.834191	3.439407	3.345681	4.059478
DNAJC9-AS1	4.466499	4.264863	4.276635	4.410205	4.286715	4.192781	4.105787	4.396528	4.526711	4.264863	4.381582	4.12496
INHBA-AS1	3.863982	3.853705	3.5368545	4.0676365	3.862405	3.808921	3.7583975	3.892591	5.18684	3.9326945	3.6538365	3.774011
LOC654841	3.027112	3.609028	3.565093	3.449651	3.54894	3.806647	3.459551	3.447009	3.42514	3.347435	3.614662	3.343787
LOC100505658	3.449056	3.509101	3.788288	3.506414	3.676057	3.720743	3.963972	3.84158	3.772121	3.900519	3.934326	3.877314
GRID1-AS1	2.763882	2.709194	2.57696	2.686703	2.727079	2.699726	2.618047	3.000045	3.034466	2.729507	2.691215	2.621969
LOC100129175	4.328259	4.727435	4.501415	4.108409	4.339844	4.341668	4.207977	4.469481	4.369987	4.207977	4.475205	4.341214
ZNF32-AS3	3.1759945	3.449624	3.1842855	3.1974205	3.4262735	3.3152	3.389166	3.494828	3.315166	3.2710545	3.4912205	3.1845575
STXBP5-AS1	3.095538	3.107322	3.143097	3.30824	2.863097	3.013575	2.965034	3.023576	3.095538	3.024221	3.171635	3.116954
LINC00592	4.039157	4.395805	4.085316	4.417444	4.094648	4.361947	4.067923	4.004116	4.453751	3.809414	4.085879	3.927155
AFAP1-AS1	3.8157475	4.0691485	4.031553	4.018164	3.80405	3.737032	3.8431025	3.9145545	3.964939	3.669555	3.664325	3.647697
KCNJ2-AS1	2.656667	2.659206	2.940413	2.565975	2.641352	2.464375	2.631078	2.631218	2.799051	2.716208	2.607403	2.332015
LOC100996549	3.155389	3.313033	2.954617	3.111962	3.052278	2.876552	3.006072	2.971327	3.176141	2.774322	3.144478	2.834748
FRRS1L	3.269119	3.058324	3.337713	3.775733	3.211914	3.098154	3.151312	3.188153	3.554857	3.389463	3.134803	2.867471
CST13P	3.05134	2.97788	3.023416	2.731284	2.915604	2.763203	2.968591	3.079315	2.80066	2.823305	2.97559	2.423711
TEX22	4.848424	5.214597	5.040905	5.276998	5.294833	5.118936	5.293799	5.524645	5.178855	5.377913	5.171548	5.224163

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
LOC100996385	3.7930975	3.6571415	3.646596	3.6853335	3.7507445	3.5927665	3.560096	3.69138	3.475692	3.751552	3.7338695	3.4839345
LINC00623	5.456169	4.842105	4.8954715	5.322812	6.1164495	6.166048	6.184638	6.004584	6.69486	6.462302	6.7129865	6.5724905
LOC100506207	3.161911	3.392298	3.24185	3.297478	3.2239715	3.260863	3.2566515	3.211753	3.116844	3.061337	3.1997945	3.080069
PHEX-AS1	3.898836	4.505371	4.209056	4.005952	3.898442	3.882048	3.948757	3.911326	3.947112	3.647075	4.193369	3.551817
ZNF252P-AS1	3.318014	3.222574	3.362988	3.433119	3.619485	3.142909	3.597362	3.673347	3.482383	3.54645	3.551075	4.069106
FRY-AS1	2.450853	2.546944	2.55856	2.409053	2.501243	2.503141	2.562992	2.763504	2.288105	2.475023	2.34823	2.569788
SLC2A1-AS1	4.507244	4.972402	4.394797	4.483557	4.352493	4.118161	3.916502	4.237184	4.291954	4.45856	4.286216	4.840852
LINC00565	5.137508	4.636603	5.780082	5.397146	4.723444	4.741957	4.21554	4.660753	5.296917	4.556	5.001705	3.925605
LOC100506885	2.97368	3.039076	2.94888	3.508142	3.279993	3.039141	3.181456	3.152878	3.103542	3.142529	3.148612	3.11389
PLK5	4.407608	5.135827	4.73187	5.147495	5.106502	4.906312	5.187682	5.107746	4.956135	4.911445	4.925192	4.658771
SLC8A1-AS1	2.859262	3.005748	2.790987	3.1050005	2.7769825	2.7858235	2.763568	2.869598	2.8565215	2.863189	2.7251	2.80703
LINC00460	4.0383155	4.107902	4.269246	4.164778	4.336368	4.244218	4.359359	4.395871	4.7140045	3.977199	4.2355215	4.2039595
ANKRD20A12P	4.85738	4.6813525	4.629976	4.69364	7.256499	5.8584765	5.7170865	7.2983395	4.6073675	7.1447835	5.8377115	6.414222
MORF4L2-AS1	4.0713735	3.9518955	4.0079775	4.095281	4.424877	3.926003	4.17049	4.3198295	4.132039	4.535393	4.2083665	4.0510995
LOC100507351	4.369246	4.913697	4.300877	4.806942	4.592452	4.216553	4.512897	4.306892	4.52814	4.129038	4.271435	4.331416
CACNA1G-AS1	4.033392	4.161184	3.947187	3.283943	3.472186	3.371766	3.308723	3.730584	3.267244	3.145657	3.474581	3.111869
LINC00567	3.498577	3.333737	3.079888	3.198359	3.079004	2.958046	3.155496	3.012826	3.21617	3.014502	3.387043	3.250491
ANKRD20A5P	4.118142	3.840794	4.099625	3.975985	4.076264	3.93069	3.892377	4.012253	4.366666	4.505197	4.499693	4.335452
PRKXP1	3.943782	4.309882	3.989839	4.012855	5.007395	4.533284	4.170837	5.011007	4.531955	5.577584	5.443185	5.522288
ST7-OT4	2.802164	2.635678	2.768354	2.661066	2.686173	2.736743	2.631482	2.593095	2.725225	2.880043	2.783651	2.923471
LINC00032	3.9334295	3.997422	4.0472375	4.081295	3.942822	3.789177	4.4617565	4.2344525	4.004227	4.334848	4.308382	4.2168545
SOCS2-AS1	4.323182	3.886099	4.866702	4.400687	3.245827	3.172887	3.004431	3.011188	3.288861	3.185011	3.203808	3.301187
IL21R-AS1	5.871901	6.137198	6.083335	6.004261	6.013627	5.98508	6.209471	6.126085	5.895583	6.080842	5.793582	5.998369
D21S2088E	4.099574	4.050676	3.985495	4.03531	4.121824	4.122047	4.1321855	4.176176	4.0604005	4.115936	4.2829465	4.238925
PROX1-AS1	2.738103	2.639563	2.87464	2.453207	2.702454	2.775927	2.69112	2.577866	2.715739	2.782008	3.059855	2.574032
CBR3-AS1	5.7635855	5.943243	6.180299	6.234246	6.315874	6.293779	6.2567635	6.4062725	6.078011	5.9830075	6.3847545	6.0869645
LOC100505918	5.110912	5.345238	5.318125	5.435196	5.026537	4.673519	5.00808	5.020926	4.796126	4.660331	5.137716	4.555088
LINC00184	3.468824	3.8519785	3.777722	3.717648	3.577937	3.3908095	3.606821	3.695234	3.477888	3.4017015	3.527009	3.1237385
LOC100506489	2.972867	2.613032	2.731719	2.800263	2.795964	2.923801	2.808867	2.808867	2.713222	2.832278	2.835894	2.940846
ALDH1L1-AS2	4.614538	5.112081	5.037152	5.101663	5.313334	5.001945	4.9394	5.095726	5.125531	4.787004	5.007981	4.863762

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
LOC100288798	5.630715	5.348382	5.473351	5.603666	5.745759	5.54765	5.739021	5.673298	5.486956	5.514115	5.839591	5.795038
LZTS1-AS1	4.214521	4.06078	4.117626	3.862855	4.084505	3.95275	4.129168	4.082338	4.072358	4.252064	4.012515	4.004646
CDKN2B-AS1	2.482631	2.510748	2.424496	2.383483	2.723654	2.419595	2.381038	2.72992	2.540883	2.510527	2.768524	2.443309
ZFHX4-AS1	3.591693	3.654288	3.900273	5.0169145	5.348651	3.21251	3.810797	5.4654525	4.742639	3.748063	3.38109	3.317565
LOC100506731	4.809891	4.08117	4.392268	4.646606	4.033228	4.78408	3.715479	4.273893	5.337321	3.585971	4.895768	3.868467
LINC00645	2.677881	2.670022	2.624736	2.852463	2.727556	2.612909	2.622815	2.673043	2.782195	2.786524	2.659114	2.786017
DLGAP1-AS2	4.5888105	4.4423375	4.785024	4.4849615	4.4212175	5.3803295	4.8215955	4.5377695	7.3384665	5.1903705	6.877177	4.544975
LOC100506071	2.652305	2.488632	2.455865	2.732607	2.684334	2.69804	2.713222	2.791054	2.621643	2.587013	2.621643	2.610601
WDR86-AS1	3.024817	3.039455	3.147727	2.890954	2.888719	3.172319	3.14291	2.971327	2.929451	2.874888	2.962333	2.758334
LINC00523	6.235606	6.319722	5.969622	6.165614	6.262811	6.064414	6.218034	6.391481	5.97385	5.813398	6.189398	5.89828
RAD21-AS1	3.386376	3.235699	3.121379	3.408518	3.27522	3.053614	3.28486	3.263688	2.979958	3.597372	3.29406	3.259651
HCP5B	5.142703	4.974235	5.445908	5.241686	5.653463	5.470723	5.510358	5.615042	5.369383	5.142221	5.423782	5.04599
CELF2-AS1	4.604679	4.503096	4.316346	4.57651	4.392282	4.408541	4.607105	4.497636	4.593823	4.219896	4.741507	4.465765
C1RL-AS1	5.916507	5.915799	5.370518	5.440734	5.4606515	5.1285825	5.408438	5.4744005	5.380374	5.305023	5.3873705	6.26333
LOC100507506	4.206966	4.253449	3.811836	3.971273	4.048423	4.119782	3.973323	4.072261	3.737618	3.570265	4.180271	3.361082
CLRN1-AS1	3.993854	3.975355	4.084759	4.084759	4.263676	3.762635	3.946338	4.029964	3.9445	3.804533	3.957541	3.835408
PRR7-AS1	5.24056	5.29276	5.240566	5.305151	5.16574	5.147126	5.150095	5.13369	5.072218	4.899003	5.338589	5.021602
LINC00636	3.408989	3.618931	3.505387	3.496216	3.657314	3.371558	3.445484	3.719564	3.513612	3.39629	3.375973	3.257856
DLGAP1-AS3	2.76375	2.809929	2.798718	3.254253	3.090391	2.859426	2.953454	3.005528	2.931522	2.890833	2.997676	3.283864
FGF13-AS1	3.765103	3.805901	3.962529	3.878645	4.190392	3.936504	4.003471	4.188777	4.179893	4.416961	4.051261	4.193828
C21orf91-OT1	3.5044045	3.6760405	3.4707885	3.5662785	3.590145	3.391499	3.57417	3.7232465	3.5319125	3.4107325	3.5125	3.623825
NBEAP1	2.676849	2.4917895	2.4438275	2.3588415	2.435205	2.250404	2.2396195	2.37392	2.345971	2.389587	2.399574	2.5043645
TRHDE-AS1	3.3786855	3.395345	3.4180325	4.232301	3.3226525	3.191222	3.3299385	3.38187	3.1523355	3.241401	3.3612875	3.1831065
NEXN-AS1	2.984558	2.605232	2.781482	4.055884	2.386553	2.467296	2.365422	2.482101	3.265177	2.620737	2.527653	2.49504
TMLHE-AS1	2.754017	2.790692	2.941023	2.763627	2.884329	2.983574	2.833372	3.089708	2.751632	2.975851	3.128067	2.712981
FAM217A	3.4417615	3.700628	3.6159705	3.5374615	3.3896265	3.554285	3.7109685	3.7267895	3.5921125	3.4822115	3.3430415	3.4250005
TEX26-AS1	4.325277	4.454825	4.244347	4.036194	4.099713	3.868917	3.958882	3.832196	3.587639	3.473187	3.660716	3.555895
LINC00619	3.937434	3.004986	5.402655	4.365183	2.397489	2.29087	2.48944	2.487692	2.627843	2.552638	2.541905	2.386553
ARHGAP26-AS1	3.923488	4.282635	3.982616	4.097123	4.487084	3.882584	4.074884	4.074884	3.960162	4.013792	4.290308	3.971279
LINC00112	4.12623	3.633512	3.872539	4.16769	4.610384	4.371076	4.423209	4.609059	4.042466	4.033688	3.863363	4.12623

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
PCOLCE-AS1	6.385189	6.432176	5.912886	6.49368	6.497889	6.132937	6.470905	6.510036	6.266636	6.189154	6.438422	6.557287
SACS-AS1	3.1405455	3.254465	3.324834	3.1676325	3.2091875	3.25072	3.184799	3.2455175	3.1903295	3.035464	3.3682305	3.092163
SLC25A3P1	3.402279	3.348951	3.544096	3.254866	3.506728	3.354062	3.362781	3.639641	3.495792	3.344636	3.573576	3.403024
HECW1-IT1	2.654128	2.398404	2.425931	2.387164	2.570968	2.469829	2.608622	2.447259	2.357562	2.625508	2.485554	2.608921
LINC00556	2.847421	2.946906	2.988428	2.995394	3.320475	2.952237	2.901873	2.971327	2.867494	2.80665	3.257784	3.047089
LINC00616	2.726792	2.763467	2.672233	3.115541	2.878968	3.159268	2.872188	2.940103	2.735162	2.690413	3.513748	2.773557
JAKMIP2-AS1	3.187509	3.231909	3.239793	3.663706	3.598546	3.394901	3.779399	4.141418	3.65056	3.614209	3.678015	3.257856
LINC00271	3.120228	2.95871	3.208807	2.708737	3.019496	2.869905	2.795794	2.93467	2.795794	2.586578	2.843435	2.682991
ADARB2-AS1	5.436581	5.202673	5.421502	5.709064	6.042878	5.860802	5.30143	5.902044	6.085172	5.842192	6.217893	5.835483
LINC00485	2.519034	2.10393	2.50702	2.540102	2.235972	2.260795	2.155322	2.177345	2.224797	2.394633	2.36647	2.290609
LOC283387	5.225453	5.520985	5.246864	5.462079	5.475125	5.238632	5.691885	5.363686	5.234527	5.061045	5.36645	5.035704
LOC339298	3.840925	4.314978	3.401083	4.246598	4.267148	4.251921	4.115224	4.221648	3.96633	3.617347	4.393627	3.829719
LEMD1-AS1	2.670435	2.9338205	2.958146	2.9797425	2.827635	3.136167	2.8063955	2.818504	2.905463	2.872451	2.911519	2.8849975
LINC00561	2.907816	2.835685	2.479291	3.087605	2.900188	2.625119	2.761252	2.841675	2.836392	2.838745	2.734637	2.661399
LINC00536	3.301753	2.976894	3.076104	3.041246	3.149373	2.659453	2.616855	2.819384	2.889493	2.926296	2.960429	2.878484
MAGI1-IT1	4.829673	4.767984	4.862604	4.899998	5.083845	4.721557	4.644188	4.836391	5.10423	4.704619	5.242089	4.822271
LOC100422781	5.525002	5.687632	5.742399	5.859773	5.928965	5.298634	5.70981	6.125557	5.496809	5.721409	5.66676	5.643656
OTX2-AS1	2.506271	2.473035	2.454823	2.778413	2.38444	2.37916	2.506271	2.499979	2.690107	2.530056	2.695106	2.35311
LOC339975	3.818943	3.530401	3.454008	3.681004	3.728057	3.622108	3.759151	3.646555	3.528446	3.670482	3.89174	3.691065
LINC00242	4.314578	4.506242	4.25022	4.572746	3.986791	4.423911	4.273181	4.002581	4.074224	3.838758	4.206201	3.68793
ERVMER61-1	2.387851	2.544092	2.684359	2.726195	8.571753	8.162292	8.100054	8.662991	2.584948	4.756474	7.120164	5.843203
LOC339874	3.4178265	3.384303	3.0987865	3.309652	3.3040505	3.401362	3.245539	3.2836895	3.129545	3.211953	3.427626	3.380848
LOC692247	4.607394	4.697831	4.936005	4.46652	4.390665	4.388459	4.836473	4.610774	4.481331	4.275036	4.390665	4.607394
LINC00540	3.58358	3.792542	3.951703	3.565093	3.430735	3.426253	3.265178	3.434609	3.209235	3.28165	3.575812	3.833623
LOC100505716	3.500548	3.796398	3.575763	3.965247	3.844089	3.835139	3.447014	4.191281	4.069106	3.511259	4.132585	3.944835
PACRG-AS1	4.139617	4.363687	4.269853	4.468966	4.315842	4.47117	4.076734	4.319997	4.452584	4.201049	4.14064	4.064665
STAU2-AS1	4.543933	4.904515	4.155007	4.666246	4.832168	4.41698	4.362735	4.931791	4.525356	4.202011	4.468748	4.310805
LINC00535	5.180352	5.0737235	5.319323	5.1903295	5.041987	5.0471955	5.228384	4.996768	4.9583875	5.0835195	5.1387175	5.242375
LINC00560	2.85686	2.788197	3.022417	2.653569	2.931014	2.764706	2.763434	2.773802	2.886712	2.65963	2.79179	2.859628
NPSR1-AS1	3.4399785	3.646889	3.2124145	3.751022	3.597997	3.3395995	3.619712	3.593679	3.343915	3.9495805	3.614175	3.9435525

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
LOC283214	3.59203	3.538733	3.536639	3.723504	3.717169	3.39637	3.609108	3.575444	3.537962	3.471344	3.413766	3.31439
DACT3-AS1	3.421807	3.973681	3.651067	3.649231	4.108171	3.328367	3.688452	3.965128	3.451328	3.316674	3.672741	3.257856
LINC00343	2.773797	2.890097	2.424496	2.628213	2.748761	2.792776	2.768282	2.631899	2.807169	2.579315	2.838396	2.825496
EPN2-AS1	2.979814	2.873139	2.882712	3.082568	3.148009	3.063088	3.312961	3.308978	3.196442	3.243443	3.286109	3.464874
SLC25A53	2.715662	2.745277	2.848891	2.7896575	2.6763185	2.7516425	2.7981585	2.776534	3.4441865	2.813838	2.751527	2.7473165
PRICKLE2-AS3	2.945592	2.814187	2.957148	2.73895	2.790428	2.532735	2.697289	2.920723	2.963104	2.944367	2.700271	3.362555
LINC00326	3.097244	3.087729	2.656091	2.943305	2.987704	2.85769	2.952269	3.047038	3.22818	2.815584	2.928323	3.112226
CCDC168	2.862947	2.937911	2.76365	2.745821	2.807043	2.734944	2.743311	2.756381	2.86865	2.895116	3.155209	3.065925
ANKUB1	3.016956	3.298239	2.859426	3.122986	3.265178	2.895919	3.080883	3.032721	3.095518	3.06856	3.119867	3.031591
LOC284898	4.894224	5.225133	4.974789	5.306903	5.004638	4.917759	5.286531	5.250939	5.133189	5.307218	4.998062	4.828867
LINC00163	4.997184	5.310543	5.047911	5.122007	5.00537	5.088422	5.110244	5.023662	5.370226	4.880432	5.283373	4.988805
LINC00424	4.656032	4.6823075	4.590906	4.653511	4.5864235	4.4205625	4.455038	4.8017275	4.5082155	4.595738	4.6083455	4.379566
LINC00555	3.743736	3.664454	3.691254	3.469607	3.392609	3.424072	3.738958	3.621815	3.319262	3.065667	3.284163	3.285454
EPHA1-AS1	3.152166	3.3906645	3.4390315	3.2333825	2.6810755	2.832452	2.926665	2.8767655	2.6916975	3.148557	2.797678	3.0687225
SLC7A11-AS1	3.81407	3.980883	3.92153	3.998883	4.115428	4.149496	4.264729	4.026673	3.837018	4.144341	3.97389	4.055907
LOC100507156	5.103362	5.407371	5.494387	5.671748	5.46775	5.280204	5.313048	5.597988	5.499948	5.314262	5.443323	5.526738
LOC339685	3.755891	4.085383	4.369249	4.2676	4.072047	3.730272	3.927898	4.150918	4.109512	3.615306	4.001406	3.725272
NAV2-AS5	3.134906	3.096498	3.276552	2.963413	3.204807	2.80422	3.028402	3.12618	2.973515	3.067917	3.028402	2.567602
LOC285819	4.191767	4.144457	4.184148	4.361601	4.455338	4.306099	4.171316	4.449926	4.354223	4.214396	4.46222	4.374994
LINC00167	3.064353	3.509899	3.602006	3.54932	3.661792	3.379648	3.429476	3.650041	3.606874	4.188777	3.930941	3.816477
LOC285889	2.869382	3.104407	3.084705	3.093083	3.276301	3.186991	3.159868	3.103436	3.016344	3.028628	3.167437	3.012041
TCEANC2	4.5376665	4.3982135	4.275043	4.372168	4.213861	4.4361375	4.2946725	4.4421585	4.1190235	4.2496475	4.5071185	4.1266345
LINC00659	4.867292	5.142887	4.814884	5.00633	5.126848	5.038894	4.941353	4.963415	4.794989	4.770606	5.031615	4.691323
LOC340090	2.355861	2.605035	2.933615	2.543139	2.45823	2.36464	2.574513	2.516092	2.594713	2.784261	2.429348	2.390105
LOC339539	5.25517	5.031652	5.057841	5.047092	5.410152	5.292839	4.923555	5.263676	5.288043	4.947689	5.476982	5.011174
TRAF3IP2-AS1	4.192037	3.481861	3.60188	3.796156	3.742188	3.691163	3.798617	3.737884	3.807674	4.26522	3.645286	4.46321
LOC400541	2.723215	2.879456	2.934564	2.708736	3.14781	3.183916	3.03649	2.960129	2.840666	2.340844	2.967012	3.137481
NME9	3.387362	3.265178	3.371705	3.395553	3.816245	3.753863	3.583011	3.880264	3.607218	3.483121	3.823165	3.591117
LOC285191	5.41957	5.81251	5.124633	5.506688	4.80743	4.985972	5.186118	5.174115	5.015394	4.440765	5.041441	4.761838
HOXA-AS2	3.553279	4.533645	4.04564	3.868433	3.866889	3.780621	3.72644	3.894626	3.597902	3.853674	3.704032	3.572697

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
LOC151484	5.065519	5.588322	5.267642	5.061849	5.061705	5.133198	5.273785	4.802144	4.949058	4.910285	4.944352	4.529909
LINC00299	4.406938	4.273396	3.647877	4.058417	4.090497	4.07243	4.023461	4.258576	3.985518	3.87255	3.950562	3.765073
LINC00092	5.957955	6.298907	5.986933	5.954782	5.899065	5.591325	5.642533	5.843031	5.803751	5.475913	5.90889	5.63181
DNAJB8-AS1	3.661842	3.563648	3.561123	3.113376	3.341936	2.931781	3.210443	3.234241	2.962085	3.041348	3.178065	3.285816
WWTR1-AS1	4.205047	4.34499	4.0487645	4.173449	4.092677	4.1485715	4.077445	4.222167	4.340237	3.848439	4.1350255	3.725566
LINC00210	2.955619	2.900861	2.874303	2.993352	2.808226	2.40308	2.963751	2.683796	2.620915	2.830346	2.80189	2.544987
LRRC37A5P	3.4316575	3.616312	3.5862895	3.57733	3.5114745	3.428264	3.2232285	3.633234	3.419718	3.151121	3.4513555	3.3940805
TLR8-AS1	3.891814	4.34193	4.005855	3.710339	7.790151	7.069086	4.658674	7.943023	4.209795	5.381729	7.950798	6.376466
DSCAM-AS1	3.696969	3.365826	4.115469	3.99711	3.900519	3.922933	3.706003	4.091897	4.151317	4.059144	4.215532	3.993651
DIO2-AS1	3.372054	3.37407	3.804149	3.415801	3.121036	2.909999	3.171543	3.555883	3.356435	2.740723	3.461373	3.14146
WDR11-AS1	4.061124	4.2061025	4.1861395	4.180849	4.1914945	3.8318035	4.032886	4.2124025	3.883804	4.0030225	4.0136145	3.9517595
LOC339666	5.101053	5.401037	5.338228	5.335403	5.010928	4.979699	4.856272	5.274826	5.09401	4.824172	5.064863	5.110913
LINC00102	2.153211	2.247761	2.419531	2.350744	2.392006	2.291378	2.381038	2.364563	2.230707	2.373143	2.419031	2.34918
SRRM2-AS1	4.863741	4.818176	4.889672	5.448481	4.68387	4.682331	4.737636	5.276155	4.783788	4.950062	4.737809	4.604718
FAHD2CP	4.891339	5.698972	5.272623	5.2122	4.640431	4.850439	4.46223	4.392954	5.223287	5.185179	5.050619	5.110912
MACROD2-AS1	2.920711	3.091706	2.874267	3.155056	3.044126	3.051462	3.13367	3.134068	3.174422	3.108333	3.292212	3.241408
WDFY3-AS2	5.079538	4.956771	5.41084	5.01523	5.387373	5.662059	5.906343	5.269169	5.580359	5.805995	4.751243	5.713646
KCNQ1-AS1	2.8473	3.368243	3.105976	3.249137	3.411505	3.165286	3.011066	3.614534	3.450872	2.949974	3.374485	2.92507
LINC00564	2.424194	2.355716	2.498899	2.474838	2.534481	2.513377	2.474838	2.408329	2.600177	2.383423	2.491343	2.365434
LOC284930	4.0032855	4.28816	4.177191	4.4746415	4.245302	4.1354755	4.0891155	4.07296	4.255664	4.079808	4.318096	3.835301
LOC338694	4.389453	4.408158	4.467533	4.27219	4.540225	4.468	4.414893	4.468236	4.42959	4.089502	4.522331	4.56814
LINC00620	4.084562	4.063838	4.077759	4.204777	4.356755	4.575596	3.907906	4.188777	4.087045	3.784323	4.418054	3.71837
LOC100289061	4.886723	5.652258	4.977163	5.20535	5.004271	4.942301	5.146868	4.963414	4.864651	4.764421	5.163282	4.870648
LINC00486	2.617286	3.031402	3.054153	2.989321	2.792029	2.927612	2.978014	3.087023	2.922325	2.855785	2.830737	2.73197
NRG1-IT1	3.173381	3.220678	3.420789	3.396737	3.103325	2.952404	3.190269	3.32223	3.05977	3.109885	3.381429	2.806226
LINC00587	3.27107	3.265178	3.224937	3.118825	3.392921	3.340673	3.614649	3.226175	3.343787	2.907589	3.278616	3.113073
LINC00572	4.455338	4.514441	4.310816	4.312217	4.32282	3.975773	4.342409	4.403148	4.349167	4.409408	4.298293	4.268782
NEGR1-IT1	3.888049	3.788438	3.552587	3.395857	3.645443	3.41366	3.49499	3.480179	3.607218	3.474071	3.529757	3.683312
LOC100129603	4.256847	4.210267	4.205081	4.129288	4.194363	4.280887	4.234066	4.123043	4.301928	3.724439	4.620265	3.835359
MAPT-AS1	5.334123	5.433089	5.404319	5.64397	5.77562	5.782362	5.708021	6.033322	5.680834	5.461848	5.963542	5.62431

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
LINC00173	4.2937825	4.36491	4.431893	3.93395	4.1481385	3.997162	4.31562	3.786096	4.0650155	4.774101	4.21316	4.6744615
LINC00307	2.57674	2.589215	2.330811	2.553353	2.623785	2.273459	2.607111	2.622799	2.523751	2.562247	2.530275	2.512656
LOC285638	5.334358	5.80342	5.453372	5.345839	5.285354	4.928828	5.061332	5.362709	5.392001	4.827926	5.483658	5.174839
MOB3B	4.76117	4.2487865	4.696106	5.0885405	6.626772	8.4077295	6.9320415	6.831977	4.7497325	6.3729695	7.1553205	6.8327915
ITPK1-AS1	3.4381155	3.386648	3.697119	3.418286	3.4837325	3.436686	3.578017	3.458891	3.6121445	3.595456	3.6547875	3.588834
RAPGEF4-AS1	3.12857	2.856436	2.654155	3.134848	3.492762	3.216064	3.228924	3.461117	3.170908	3.002898	3.209974	3.249561
HYDIN2	4.1757235	4.171694	4.1312285	4.2856005	3.9832605	3.9144425	4.1216345	4.1730135	4.0415945	4.122953	4.158217	4.295706
LINC00559	3.203276	3.470558	3.165149	3.203276	3.044126	3.106227	3.146933	3.116446	3.122288	3.078878	3.196658	2.773848
RPL34-AS1	2.743173	2.857159	3.011928	2.710259	2.845989	2.844903	2.743173	2.829733	2.886661	2.89643	2.805768	2.943284
LOC401324	3.605967	3.430127	3.451652	3.699388	3.447014	3.537267	3.676057	3.591597	3.567088	3.571557	3.567956	3.695835
LOC340184	2.461066	2.556753	2.412965	2.316391	2.570615	2.579537	2.404696	2.683298	2.404696	2.422479	2.498411	2.315092
LOC157273	2.869383	3.202612	2.814593	2.954454	2.492908	2.795765	2.497547	2.634849	2.767126	2.430856	2.672455	2.634849
TMEM72-AS1	5.809583	5.77419	5.866111	5.603609	5.337365	5.118683	5.233942	5.384086	5.444634	5.016497	5.275105	5.323411
LOC284950	2.648513	2.61236	2.895011	2.82729	2.545472	2.599633	2.522116	2.498717	2.664779	2.623707	2.760695	2.55856
LOC285422	3.181497	3.476639	2.945779	2.9996	2.787291	2.791337	3.274127	2.995941	2.705881	2.762558	3.03168	3.137481
LOC100507283	2.936541	3.248674	3.1015525	3.244442	3.375008	3.065419	3.1391135	3.222556	3.0888365	3.234104	3.0980705	3.4865755
LOC158434	2.228053	2.298533	2.55856	2.428993	2.260173	2.230987	2.395575	2.336182	2.292268	2.378483	2.342226	2.263347
LOC283045	4.9089675	4.8446055	5.0453495	4.972037	5.111666	4.842865	5.096884	5.133822	5.128494	4.93738	5.1043305	4.814633
TPT1-AS1	5.315326	4.98493	5.434578	5.260623	5.433133	5.982723	6.13271	5.77689	6.042568	5.484914	6.26842	5.85576
COL18A1-AS1	4.793694	5.210746	4.703664	4.629367	4.574304	4.641724	4.638165	4.794572	4.754705	4.32417	4.575408	4.512378
TMEM235	3.747365	3.890831	3.564672	3.644025	3.586102	3.686104	3.49838	3.815027	3.769766	3.538712	3.711727	3.462529
LOC339593	3.298023	3.383478	3.280137	3.218846	3.225666	3.257118	3.33315	3.290094	3.248925	3.329651	3.181449	3.185714
HOTTIP	4.127602	4.094635	4.029591	4.057961	3.812176	3.94591	3.790682	3.985633	3.960619	4.097745	3.985633	3.96551
LOC284865	5.391026	5.52929	5.360176	5.567497	5.663396	5.499964	5.442836	5.766645	5.584658	5.428077	5.71847	5.548528
LINC00514	3.331892	3.889861	3.674306	3.500668	3.661592	3.497911	3.431924	3.438845	3.381429	2.886511	3.426699	3.209173
A2M-AS1	3.2017565	2.9082895	2.967885	3.0566445	3.0062405	3.1870205	3.634023	3.237915	3.486041	3.8608795	3.18723	3.5084845
LINC00607	4.7484	4.393686	5.203966	4.406052	4.643476	4.309474	3.818619	4.887592	5.291632	4.351272	4.146445	4.072345
LOC147004	3.374043	3.751035	3.565093	3.726671	3.999378	3.940158	3.8358	3.97292	3.343787	3.39898	3.929713	3.343916
LOC285766	2.576741	2.869042	2.869042	3.017748	2.709309	2.811076	2.964254	3.115084	2.830191	2.657892	3.053762	2.625587
LINC00330	4.507545	4.340364	4.259621	4.709948	4.807473	4.962535	4.306244	4.832122	4.817215	4.008593	4.956753	4.154086

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
LINC00491	3.187841	3.228761	3.225383	3.18861	3.183503	3.291084	3.134545	3.43908	3.131359	3.350031	3.015927	3.202887
LINC00410	3.91568	3.831998	3.817005	4.213496	3.502633	3.478225	3.49499	3.717269	3.649349	3.529345	3.48462	3.447014
CECR3	3.681817	3.807387	3.797747	3.808975	3.754647	3.758079	3.676057	4.079679	3.895024	3.725056	3.808975	3.7912
LOC400748	3.75024	4.145244	3.754823	3.953985	3.868	3.785884	4.042966	3.907835	3.924031	3.954589	3.949697	3.419542
MRGPRG-AS1	6.066963	6.356898	5.76862	6.377028	6.552691	6.189861	6.208827	6.392389	6.233578	5.621711	6.424598	5.759339
SPANXA2-OT1	2.439819	2.472501	2.499519	2.430152	2.504371	2.549771	2.55856	2.812285	2.664779	2.421373	2.535546	2.472501
ASIC5	2.81601	2.944047	2.663515	2.78696	2.740063	3.075278	2.879858	2.776895	2.845171	2.810736	2.952353	2.897371
LOC643711	2.783646	2.689754	2.570155	2.730953	2.687225	2.496244	2.676348	2.667826	2.88682	2.57621	2.868373	2.735659
IFITM10	5.258979	6.04371	5.141152	5.117057	5.466084	5.384603	5.502126	5.43797	6.177304	4.992378	5.44118	5.283076
LINC00221	3.465625	3.031401	2.728664	3.289904	3.216454	3.26325	3.4417	3.386522	3.381428	2.751734	3.485922	2.998401
NAT16	4.75818	5.05351	5.069257	4.820711	5.020627	4.908133	5.009194	4.9772395	4.6723955	5.1293435	4.993162	5.005058
RAMP2-AS1	3.477341	3.046124	3.1514855	3.314992	3.2212725	3.2766765	3.5008025	3.3010555	3.2260355	3.539634	3.3107935	3.917201
ST7-AS2	2.8942905	2.8667285	2.883185	2.577469	2.6081425	2.8324485	2.7225655	2.5513015	2.7163795	2.639847	2.84477	2.7513845
LINC00529	2.869383	2.879456	2.971086	2.86239	2.893637	2.766359	2.792334	2.787361	2.986927	2.882231	3.284163	2.585648
LINC00628	4.443967	4.76036	4.3915045	4.788658	4.2502355	4.1697495	4.248215	4.2370085	4.226871	3.8050475	4.303778	4.0286
LOC100506411	3.3934705	3.1716735	3.559974	3.410826	3.402212	3.72604	3.470908	3.39524	3.4988875	3.618615	3.378289	3.598096
DGCR12	4.231694	4.508817	4.1505615	4.399497	4.366326	4.035645	4.256892	4.4229635	4.1584865	3.7953625	4.305534	3.9262725
SBF2-AS1	4.832061	4.8491655	5.29829	5.168667	5.939397	6.352095	5.541579	6.249256	6.4548275	4.777355	5.744361	4.807932
LINC00527	5.086031	5.4267455	4.919969	5.153108	4.957992	4.741941	4.925034	5.0202525	4.6868475	4.6322195	4.6776855	4.667409
OR9A1P	2.7691665	2.7969145	2.679352	2.7902265	2.804956	2.7872895	2.788916	2.931677	2.846624	3.001354	2.8541545	3.104891
BDNF-AS	3.082377	2.7372235	3.220165	2.499597	2.4561715	2.395102	2.6859695	2.3594835	2.678196	2.333876	2.371031	2.4179525
TREML5P	4.217245	4.697021	4.597638	4.689833	4.580434	4.578918	4.908427	4.568336	4.880716	4.529949	4.766623	4.312824
CECR9	3.7633365	3.627634	3.7609995	3.748824	3.7544215	3.8036555	3.9870825	3.7564535	3.810295	3.5655395	4.057462	3.6524585
SRD5A3-AS1	3.121092	2.912313	3.024832	3.404436	3.505119	3.173252	3.255113	3.389688	4.622014	3.289033	3.14695	3.257856
CAMSAP3	4.205248	4.563397	4.0085165	3.699932	4.2524115	4.0721775	4.139288	4.32474	3.9362275	4.2044475	4.1296055	4.061224
LOC100505851	3.10854	2.960143	3.035499	2.9554155	2.9889435	3.0132155	2.9391805	2.919952	2.944399	3.0365595	3.0441945	2.8181935
LOC100507336	4.10461	4.139477	4.391395	4.183609	4.343958	4.000685	4.310671	4.001027	4.343958	4.123857	4.130445	4.170856
LOC100506083	2.695667	2.653436	2.78604	2.428524	3.110539	2.878889	2.82164	3.077997	3.412992	2.755509	2.829126	2.748364
LINC00165	4.5283	4.899253	4.683763	4.717324	4.816915	4.366419	4.00556	4.714089	4.761895	4.533426	4.391495	4.111348
LINC00240	2.946106	2.87697	2.693132	2.831643	3.071162	2.954677	2.829879	3.038498	3.454614	2.787777	3.326817	3.350152

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
LYPD8	4.1078785	4.1862415	4.339756	4.2972635	4.2852055	4.3993515	4.353684	4.370949	4.1194475	4.2187525	4.3494965	4.0398075
LINC00458	2.747056	2.688235	2.845096	2.948228	2.440526	2.768544	2.640033	3.130478	2.751632	2.732317	2.884421	2.626873
LINC00488	2.990553	3.228053	3.243405	3.047172	3.146872	3.208912	3.133668	3.068146	3.016043	3.085976	3.225826	3.057709
GMNC	3.654774	3.850401	3.653355	3.746724	3.922117	3.890832	3.461153	3.77413	3.890406	3.700963	3.941351	3.522784
LOC100128079	3.99693	3.909787	3.6446875	3.947523	4.027875	4.0383845	4.143489	4.1284815	3.8458575	3.904684	4.0245335	3.8678875
KIRREL3-AS2	3.016301	2.823651	2.99808	2.87709	2.895258	2.694212	2.904016	2.929008	2.694212	3.0135	2.481002	2.610937
PP12613	4.097985	4.485708	3.930354	3.946727	4.053393	4.014397	3.684469	4.178543	4.042921	3.711378	3.957005	3.507844
LINC00423	4.131254	4.210186	4.220037	4.339938	4.275303	4.234646	3.955528	4.403579	4.144148	4.099329	4.411766	3.950384
LOC221946	3.400659	3.70787	3.677314	3.884196	3.885727	3.866148	3.970957	3.833874	3.866882	3.488138	4.018689	3.815233
LINC00276	2.903342	2.861754	2.853978	2.680561	2.881543	2.959568	2.872305	2.931014	2.604385	3.211442	2.64516	3.05056
LRRD1	2.427028	2.49342	2.402039	2.70028	2.312423	2.215056	2.349819	2.349216	2.33855	2.576741	2.445556	2.447371
LOC440346	2.576879	2.255044	2.337291	2.376032	2.338453	2.427261	2.334813	2.396276	2.321252	2.373229	2.418686	2.713264
LINC00566	2.422146	2.492227	2.426281	2.774601	2.382149	2.385982	2.587295	2.420338	2.433356	2.725209	2.868619	2.582538
DLEU7-AS1	3.916368	3.766613	4.037852	4.439318	4.127446	3.995792	4.039075	4.212877	4.324884	4.004406	4.452487	4.164249
ANKRD26P3	3.938646	4.231314	3.855331	3.999331	4.309645	4.072771	3.902402	4.258708	4.132073	3.787431	3.96972	3.724024
EGFLAM-AS4	3.02578	3.243521	2.859426	3.110184	3.283376	3.131372	3.223745	3.080514	3.119876	2.942721	3.594619	2.834748
ERVH-1	7.844804	8.304077	7.930091	8.062165	7.740543	7.451897	8.197577	7.780265	7.504545	7.67941	7.532562	7.955753
LOC646736	3.163267	3.089573	3.07973	3.484979	3.07605	2.988185	3.091799	2.931013	3.011965	2.99191	3.203569	3.225863
CLDN10-AS1	2.870313	2.624283	2.823614	3.052756	2.991312	2.932672	3.052974	3.148604	3.028912	2.955087	3.16403	2.6711
LINC00474	3.0542935	2.94188	3.155088	3.1061475	3.0328265	2.9793745	2.972252	3.18352	2.7721205	2.9242135	3.1422925	2.9676095
LOC100506585	4.577724	4.676061	4.506434	4.685484	4.811629	4.194118	4.685484	4.754785	4.68977	4.245025	4.55173	4.118397
LINC00452	4.566844	4.123963	4.230839	4.695453	4.621141	4.60365	4.49255	4.812128	4.678285	4.247154	4.620616	4.296935
GBP1P1	3.934772	3.736518	4.113299	3.932201	3.982343	3.819598	3.854954	4.075312	4.518548	3.569562	4.503693	3.782025
CPQ	7.71316	7.8968775	8.372452	7.8429725	7.7974485	7.3671665	6.8394535	7.949712	8.1051465	7.725567	7.941501	7.362847
HCAR3	3.941406	3.309167	3.853158	3.871308	4.342208	3.811286	3.80117	3.853158	4.325891	3.09781	4.032877	3.66731
PTGDR2	5.216608	5.378999	5.1454575	5.2486075	5.2405745	5.2387685	5.3863435	5.310769	5.255892	4.857554	5.278902	4.726637
ASIC2	4.217039	4.221675	4.330911	4.109061	4.47201	4.47117	4.415823	4.232726	4.370986	5.408963	4.51273	5.109695
RHPN1-AS1	5.372532	5.368102	5.188501	5.969623	6.068327	5.913717	5.928762	6.226376	5.852146	5.954002	6.144655	5.517127
THEMIS2	5.3900355	5.360048	5.153922	5.4597415	4.472234	4.22518	4.075489	4.529146	6.952537	4.032726	5.7379525	3.7633395
KIF25-AS1	3.510975	3.751156	3.839581	3.599196	3.514821	3.486594	3.458975	3.684776	3.563716	3.370936	3.552838	3.447014

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
LINC00597	3.932542	2.977438	3.721102	3.660247	3.551045	3.102708	3.694664	3.662968	3.340841	6.951283	3.950562	6.570669
ERC2-IT1	3.139413	3.311355	3.491829	3.022118	3.138164	3.051255	3.274863	3.205991	3.157688	3.075939	3.356026	3.038498
PPBPP2	3.187675	3.087872	3.116213	3.270265	3.339135	3.581431	3.617652	3.339274	3.313839	3.015947	3.55017	2.931014
BTN2A3P	4.736548	5.317553	5.18055	4.722697	5.16093	4.420066	4.387081	4.916965	4.817534	5.194586	4.998991	4.66407
PMEL	5.090047	4.941427	5.303192	5.210824	5.506827	5.214171	5.316196	5.41741	5.303192	4.931524	5.456894	5.253813
RAD51D	5.585894	5.5935985	5.6368475	5.768255	5.694592	5.8594215	5.862972	5.5948855	6.15147	5.988265	7.069276	5.948569
SND1-IT1	4.574637	4.290408	4.862604	4.707704	4.561535	4.452306	4.907237	4.34193	4.070125	6.338124	4.693949	6.258283
LINC00588	2.709281	2.493335	2.499174	2.512799	2.433662	2.186058	2.512799	2.403577	2.370193	2.469357	2.542924	2.747111
LINC00260	5.036275	4.545482	4.895113	4.845168	4.250317	3.809607	4.313658	4.234562	3.565093	4.637648	3.912205	4.925156
TRAV12-2	3.501931	4.029508	3.558335	4.020887	4.534005	4.22504	4.07517	4.665954	4.20047	3.537967	4.232509	3.691431
TUBB7P	3.900218	4.167901	4.082786	4.220003	4.038528	4.303097	4.138201	4.25535	4.143829	4.16834	4.381582	3.911906
TUBB4A	3.973187	4.120081	4.36639	4.152105	4.86713	5.279997	5.712046	4.992224	4.385286	5.604084	4.281069	6.293471
PXDC1	7.9405	7.948201	8.1626115	7.7829015	7.3971865	7.620255	7.609928	7.3903175	7.5001925	7.8972675	7.887894	8.1527215
TMEM246	7.04718	6.6002665	7.472545	6.298359	6.756799	7.7753565	7.690866	6.856677	7.995275	7.36575	8.137082	7.640214
PINLYP	6.212695	6.519432	6.263896	5.542937	7.724203	5.68721	5.941861	7.524139	5.616736	5.975235	5.633783	6.506466
NOP14-AS1	3.967709	3.956108	3.9723665	4.001323	3.973496	4.010075	4.136368	4.1464705	4.0109995	3.654107	3.9807615	3.9136525
KIAA1211L	4.24855	4.232317	4.21009	4.017039	4.21009	4.120689	4.157094	4.309592	4.179648	4.01764	4.099972	3.961828
SPRYD7	6.0767775	5.925649	5.6361985	5.7552455	4.671159	6.084375	5.9298955	4.8856835	5.5618105	5.173789	6.185239	5.754871
SNX29P2	2.903026	2.851065	2.6881	2.872589	2.761942	2.7089515	2.782263	2.7994215	2.8278715	2.865425	2.995215	4.067266
SBSPON	4.3410855	4.184697	4.0687465	4.2375445	4.762935	4.8058155	4.319737	4.685101	4.634988	4.190166	6.006851	5.007261
KIAA1549L	7.491616	7.323428	7.69559	8.039831	4.21009	5.469348	4.990185	3.863364	5.624861	4.27998	4.381582	4.572462
LOC100294145	3.15572	3.783634	3.327535	3.067055	3.048146	3.200856	2.971327	3.140997	3.048807	3.152804	2.960784	3.159345
ADTRP	5.896919	7.0404735	6.615142	5.6741795	5.3118465	6.8793135	4.2941875	5.5399795	5.204811	4.067304	8.231563	4.0520085
DNAAF1	4.569801	4.8364795	4.665734	4.506597	4.5988225	4.6139535	4.4001885	4.7066545	4.584698	4.1411695	4.839091	4.4552155
ACVR2B-AS1	3.820494	3.886549	3.943446	4.072285	4.136382	4.448499	4.350605	4.285524	4.361856	3.644557	4.069208	4.074171
LINC00563	5.070866	5.010492	5.199896	5.740393	5.422835	5.009933	4.949317	5.592547	5.170401	5.102394	5.154584	5.271483
SMG7-AS1	3.564861	3.6694785	3.8318295	3.607351	3.453269	3.4210515	3.3155315	3.2807675	3.36553	2.8387115	3.332829	2.978137
HCG4B	3.856634	3.776995	4.198513	3.925649	3.950562	3.994248	3.925649	4.163539	3.820453	3.869217	3.863088	3.821999
CYP2A7P1	3.848104	4.1228925	3.97631	4.1098585	4.0375325	4.1753725	3.9784115	4.056978	3.95576	3.776643	3.948775	3.76146
LINC00302	4.0741715	3.9665085	3.796398	3.9265435	3.814247	4.640662	3.7717395	3.855684	3.626525	3.6499205	7.631076	3.665063

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
FAM224A	3.761924	3.7925965	3.706436	3.857076	4.3280775	3.768305	3.721471	4.183939	3.675224	3.8614195	3.7308525	3.706417
ZNF259P1	3.556345	3.972124	3.972188	3.818229	3.859748	3.90645	4.181427	3.943023	3.886367	3.749751	3.950562	3.722548
LOC100287387	8.035669	7.388755	8.216754	7.653152	4.212873	5.75165	4.396614	4.19534	6.678799	4.248556	5.492587	4.762241
MILR1	5.695826	4.78343	4.907062	5.566103	3.761467	4.631857	3.350587	3.704224	5.637526	3.812376	4.12459	3.447013
STEAP1B	8.705976	6.3401	7.151719	8.020144	5.827863	5.264013	5.602363	5.619438	6.442983	4.093973	4.686803	5.60832
THEM6	5.91333	5.625092	5.441628	5.945746	6.231551	7.182648	6.79169	6.077746	6.697899	6.309438	6.51438	6.484908
RGCC	3.062807	3.058283	3.06145	3.048029	3.082661	3.126137	2.998693	3.189034	3.203437	3.372249	3.371517	3.406242
DEPTOR	3.6386255	3.6915315	3.688224	4.8606555	5.9451835	5.7994265	5.633173	5.8788455	5.7603965	3.7210735	5.2119185	4.8067525
MARC1	6.184454	6.018066	6.400354	6.12588	6.266525	6.044262	6.121733	6.504721	6.412214	6.108091	6.034707	6.491851
CERS4	4.021055	3.996759	4.090194	4.050764	4.009483	4.117401	3.64172	3.454853	4.807131	4.312175	3.950562	3.419569
CACFD1	6.804148	6.919679	6.7473085	7.0637625	7.107743	6.604063	7.033577	6.945354	7.0628765	7.5285535	6.9436705	7.4010395
SYNDIG1	6.143695	5.612757	4.210038	5.266541	7.029746	5.271922	7.971772	6.731356	7.048939	8.712141	5.611761	8.493328
CTC1	5.212508	5.402007	5.26149	5.154765	5.241554	5.145606	5.373579	5.321169	5.323944	5.063143	5.04873	5.169853
LAMP5	4.355203	4.393377	4.724603	4.608542	5.139135	4.925802	5.128489	5.303092	4.908737	4.65169	4.866446	4.866232
MARC2	4.758798	5.875849	6.476443	5.121369	4.52535	4.632077	4.411876	4.387558	5.944071	4.402094	4.659763	4.576267
TOR4A	6.132747	6.293013	6.022365	5.695524	7.228528	8.444899	7.271461	7.23164	6.975317	6.654362	7.138423	6.20207
TESPA1	4.252148	3.9334045	3.9377125	3.9411835	4.076954	4.1803195	4.1088285	4.0272095	3.903975	4.1399285	3.941795	4.0947445
GOLGA2P5	4.217626	4.136979	4.173472	3.887433	4.191857	4.267325	4.252447	4.126431	4.069106	3.887433	4.042643	4.345718
TMEM74B	4.047563	4.631532	4.253987	3.895929	3.998118	4.132416	3.995078	4.258222	4.572875	4.461834	4.154267	4.184066
ERVMER34-1	3.383636	3.625087	3.265971	3.44001	3.220251	3.07135	3.358958	3.434913	3.320946	3.257024	3.467353	3.433093
APOBR	5.079836	5.076928	5.248973	4.967466	5.086638	5.140308	4.840983	5.048926	5.111891	4.910285	5.107116	4.813772
CPED1	9.11711	8.789312	9.15495	8.5070375	5.3629095	6.4218935	7.977878	5.2652585	8.3815155	6.5183855	7.004067	5.558501
ZC2HC1C	4.668952	4.564855	4.756094	4.505095	4.782943	4.544527	4.184456	4.678516	4.938888	4.269021	5.612367	3.873289
SH3D21	5.451412	6.007234	5.966295	5.710716	5.184141	5.457963	5.674801	5.388809	4.992334	4.834221	4.893743	4.994053
RBM12B-AS1	4.012664	4.713599	4.379481	4.657282	4.168059	4.324958	4.114353	4.458482	4.291682	4.131918	4.14547	4.138726
PPP1R17	4.632951	4.825511	4.804539	4.9695945	4.80683	4.6668305	4.586251	4.591751	4.699328	4.7536535	4.7006665	4.7191895
LINC00312	6.712041	7.034456	6.989146	5.6386775	4.893732	4.671924	4.575398	4.9518695	5.417011	4.7984105	5.019841	4.7522685
SMAD5-AS1	4.883145	4.908773	4.97479	5.084243	5.348447	6.073623	4.899662	5.463227	5.391671	4.438538	5.103229	4.508782
IL36G	4.076491	4.233773	4.21009	4.184241	4.204747	4.023199	4.308935	4.521485	4.295184	4.080647	4.247926	3.776962
LINC00472	2.757861	2.787891	2.859426	2.79953	3.736792	3.001049	3.005973	3.939303	6.485152	3.587717	2.715977	4.043988

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
FAM86C1	6.285823	6.351194	6.841365	6.764891	5.731997	6.131413	5.971445	5.592373	5.827416	6.094923	6.116323	6.237763
MCF2L-AS1	4.310875	4.804677	4.049227	4.646155	4.464362	4.324356	4.269555	4.394286	4.378864	4.310875	4.163483	4.069106
NME8	3.282806	3.659772	3.163707	3.498999	3.562184	3.054375	3.265178	3.205715	3.145973	3.341993	3.591522	4.69708
FAM110D	4.386048	4.747798	4.489782	4.360616	4.379266	4.12101	4.730077	4.242613	4.260522	4.214543	4.001534	4.068298
CPS1-IT1	3.730112	3.657479	3.635406	3.691874	3.678047	3.436804	3.522523	3.62497	3.904905	3.893821	3.712468	3.692141
BPIFA1	4.599128	4.38535	4.658189	4.93506	4.666995	4.623149	4.38535	4.836533	4.717881	3.971415	4.381582	4.358024
IGF2-AS	5.616825	6.082186	5.349762	5.714226	5.045246	5.227431	5.383003	5.262497	5.278574	4.978385	5.376729	4.748684
CCDC170	3.95862	3.727778	3.902032	4.211606	3.658382	3.731358	3.795382	3.587912	3.799742	3.522638	3.527034	3.557895
ADGB	2.51405	2.650381	2.424497	2.474823	2.648933	2.670228	2.591549	2.568321	2.465552	2.75862	2.674456	2.594975
NXPE4	4.480011	4.461982	4.545041	4.67405	4.823989	4.330228	4.529013	4.821502	4.781461	4.512741	4.812768	4.94999
ASAP1-IT1	3.970035	3.712178	3.545438	4.035501	4.189075	3.674322	3.818978	3.970035	3.744121	5.663254	3.740643	6.469436
IDI2-AS1	4.645955	4.568006	4.648267	4.720283	5.781873	5.96871	6.328907	5.301472	5.694956	5.456569	5.998855	5.398368
ANP32A-IT1	3.061055	3.110724	4.21009	2.801699	3.174141	3.027699	2.969396	3.093337	2.816924	3.276349	2.782237	3.999178
HEXA-AS1	3.01219	3.177526	2.963183	3.564761	3.166482	3.125268	3.334452	3.063762	3.129171	3.306731	3.103798	3.134377
LINC00652	4.967262	4.536325	4.929402	4.852915	4.843122	4.784312	4.690846	4.941694	4.934135	4.910285	4.916315	4.633161
SLC52A1	4.204331	4.6267	4.181423	4.25387	4.350122	4.203492	4.245852	4.576893	3.998866	4.236721	4.278584	4.040277
LOC79999	4.764262	4.900539	4.728564	4.993057	4.782797	4.783624	4.711598	4.867663	4.738521	4.699207	4.875599	4.771397
FOXN3-AS2	4.46783	4.686807	4.193873	4.138256	4.095819	4.331251	4.293551	4.268422	4.314267	4.301555	4.310955	4.183458
LINC00574	4.612776	4.842628	5.148838	5.066376	5.470008	5.573138	5.3413	5.373821	5.064725	5.253261	5.873178	5.121342
RUNX1-IT1	4.097566	4.10697	4.301168	3.97524	4.417066	4.226099	4.114598	4.309206	4.31023	4.453206	4.076217	4.246151
SMIM2	3.1665485	3.1157245	2.9948755	3.153672	3.1076305	3.3193555	3.0650145	3.3171465	3.268041	3.2098215	3.2439025	2.9281175
SHCBP1L	5.06552	4.932008	5.283536	5.040453	5.01151	5.242181	5.032436	4.993466	5.018364	4.891237	5.195208	4.874226
NMRK2	4.794516	4.998968	4.785021	4.658419	4.809525	4.751112	4.562968	4.769571	4.740424	4.76899	4.5945	4.444525
GSN-AS1	4.049163	4.220826	3.93311	3.942981	4.087157	4.117469	4.03404	4.439628	4.204057	4.126486	4.251022	4.026936
FAM215A	4.617182	5.349358	4.584659	4.48071	4.362447	4.536291	4.600543	4.459402	4.594322	4.584496	4.907789	4.170279
ASIC4	5.472802	6.022364	5.582767	5.475913	5.682805	5.417106	5.396076	5.635785	5.537204	5.051413	5.490825	5.152128
DCSTAMP	4.540269	4.498564	4.361198	4.479733	4.272418	3.861657	4.190474	4.166551	4.013305	3.953214	4.309645	4.177758
MZB1	4.321336	4.66532	4.5973965	4.498768	4.451729	4.3522635	4.469147	4.272798	4.023361	4.077777	4.35794	4.128924
NPAP1	4.306826	4.713931	4.160617	5.213987	5.243015	4.588496	4.736627	5.054446	4.710263	4.27982	4.985084	3.922394
VWA7	5.180444	5.359221	5.409855	5.360334	5.630802	5.587586	5.50209	5.589752	5.535194	5.401079	5.673049	5.194864

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
IL36A	4.179627	4.249225	4.22936	4.417617	4.323007	3.888083	4.436999	4.261883	3.831655	3.950594	4.318336	3.926309
IL37	5.0013085	5.7549915	5.165643	4.910635	4.8551075	4.4776445	4.7000345	4.9728765	4.552878	4.4686175	4.5884085	4.4569285
NDUFB2-AS1	5.370585	5.488349	5.522014	5.553427	5.304381	6.453954	5.206133	5.530156	5.519837	5.331611	6.225615	5.660727
ERV3-2	2.981863	2.713162	2.760085	2.768518	3.033237	3.047834	3.098329	3.106584	4.357929	3.339198	3.724872	2.890028
IL36RN	3.246252	3.712839	3.369459	3.092451	3.190791	3.212895	3.121372	3.083879	3.484333	3.098274	3.631831	3.257856
ZFAND4	3.211155	3.378545	3.455787	3.391494	3.191755	3.431137	3.559837	3.149838	3.385232	4.298697	3.43148	4.179243
ACTRT3	5.771074	5.454364	6.436218	6.089012	6.176748	6.066767	5.528824	6.28655	7.408113	4.576169	5.108189	4.890172
MGARP	5.399448	5.21496	8.260885	7.830305	4.37518	4.51676	4.55873	4.629085	9.154461	4.933106	4.559927	4.567493
AGPAT4-IT1	6.257397	5.779138	5.753106	5.604897	6.060162	5.665071	5.551561	6.208497	5.64795	5.783768	6.428782	6.271535
C16orf95	6.520692	5.917293	6.228388	6.574068	6.573174	6.139269	6.541158	6.517145	5.99339	6.231953	6.923628	6.096028
SSR4P1	5.663166	5.351995	5.660612	5.670467	5.515765	5.200543	5.124033	5.174839	5.659957	4.953521	5.426873	4.807252
DBIL5P	4.720544	4.889244	4.440108	4.780032	4.320815	4.23465	4.425714	4.648371	5.201591	4.069911	5.235694	4.238321
MIR7-3HG	3.392675	3.651571	3.5391495	3.4406465	3.4426415	3.516625	3.4407085	3.6513105	3.34369	3.2879425	3.4717085	3.348117
TEX35	3.781823	3.949368	3.650944	3.632211	3.752966	3.723734	3.71528	3.803646	3.690725	3.57113	3.824059	3.540815
LINC00470	3.777293	3.556725	3.676742	3.627559	3.732552	3.658979	3.730519	3.6975035	3.6661615	3.6000225	3.8178	3.5998935
LINC00626	3.248793	3.238137	3.563751	3.409329	3.671457	3.530289	3.683623	3.658593	3.498139	3.347387	3.526937	3.295058
PRO1804	2.352073	3.039694	2.64054	2.509379	2.196426	2.430798	2.41942	2.350057	2.429857	2.794241	2.452163	2.738491
HCAR1	3.648418	3.538071	3.025575	3.573843	3.794111	3.910255	3.397838	3.647537	3.381764	3.265178	3.555921	3.271533
SHANK2-AS3	4.698508	4.682875	4.661544	4.540055	4.722396	4.614367	4.562528	4.51483	4.61361	4.654252	4.620265	4.975245
IL36B	3.1421775	3.1472115	3.0056265	3.1860745	3.215464	3.552749	3.014736	3.0600815	3.4315185	3.058754	4.2701285	3.0742515
DBIL5P2	3.522055	3.887461	3.936151	4.253023	3.463115	3.333435	3.770563	3.665442	3.645817	3.672784	3.599839	3.755116
FRMD8P1	6.303877	6.267949	6.138882	5.922941	6.217591	5.935925	5.650144	6.247887	5.922489	5.562303	6.007492	5.509663
CYP4F30P	2.802151	2.543338	2.783755	2.641116	2.36894	2.482207	2.570604	2.516885	2.368063	2.558785	2.458769	2.554064
VN1R10P	3.182123	2.79246	3.176407	3.056106	3.265178	3.000562	2.946268	3.251951	3.216823	3.090556	3.478147	3.360018
FOXD2-AS1	3.594816	4.0357405	3.7002585	3.8233895	3.554471	3.64269	3.518343	3.597512	3.5916075	3.7269775	3.4750765	3.4033
ABHD16A	4.242613	4.397675	4.58947	3.792956	3.760809	3.545635	3.749062	3.620436	3.499699	3.7999	3.542575	3.826394
HENMT1	6.214764	5.892662	6.451087	6.874873	7.169694	6.425166	6.983617	7.067006	8.223541	5.758029	7.108961	5.833979
BPIFB1	5.026598	4.892253	4.84784	5.125406	5.13569	5.002881	4.97479	4.97965	5.062095	4.89019	5.195001	4.925156
SLC18B1	5.336234	5.143415	4.618683	5.591668	7.802808	8.952848	8.315824	7.650537	7.827362	8.178274	7.812778	8.064403
BLOC1S5	6.391401	5.629026	5.606982	6.33852	5.713191	5.816753	5.786698	5.739064	6.303778	6.201736	6.27983	6.87059

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
IGIP	7.577741	7.08621	7.718207	6.903004	5.415273	5.552116	4.72964	5.459685	5.783545	5.328209	5.671865	4.941772
MOB3C	6.399484	6.6826615	6.633238	6.524661	5.913426	6.7078555	5.806678	6.031973	6.540244	5.845582	6.721945	5.6779035
TMEM178B	5.31981	4.799651	5.26932	4.749424	4.842522	4.933251	4.7724	4.935449	6.062752	4.767765	5.012477	4.874897
LURAP1L	7.968186	6.705712	7.34059	8.300961	5.57323	7.408682	4.875519	6.043328	9.857074	5.795242	7.632498	6.467603
LINC00673	3.377863	3.781822	3.356415	3.514774	3.673132	3.487916	3.523328	3.514774	3.424642	3.508027	3.580616	3.459559
CDPF1	6.928333	6.993755	6.302077	6.786315	6.192513	6.013814	6.352173	6.075276	6.64425	6.458062	6.627055	6.440174
MB21D2	7.749139	7.871366	8.103231	8.102086	6.237408	7.258771	6.301473	6.602002	7.163441	6.511567	6.518173	6.934823
STPG1	5.795087	5.510996	5.721228	5.5368875	5.6861385	5.914705	5.301751	5.490338	5.465858	5.1279975	5.670276	5.5143895
TRABD2A	5.1138585	5.274744	4.9694035	5.3754625	5.1098215	6.3881075	5.0261875	5.17711	5.408099	4.8769845	6.2093535	5.067246
ANXA2R	5.618778	5.441133	5.074281	5.564778	5.622997	4.980536	5.07762	5.499964	6.02457	5.260333	5.624434	5.398368
TPGS1	5.449256	5.363633	5.1654375	5.674942	6.3588795	6.2903915	6.0324025	6.208865	5.79629	5.7605215	6.199274	5.6567985
LOC100506098	3.402821	3.691238	3.310083	3.619094	3.53236	3.09589	3.361716	3.17345	3.371252	3.279374	3.128966	3.159906
LINC00261	3.289871	3.451799	3.189044	3.729891	3.127478	3.102819	3.143132	3.30914	3.278598	3.089154	3.234594	2.834748
ZNF503-AS2	4.6390745	4.72109	4.835637	4.8228045	4.260945	4.315522	4.187002	4.347798	4.2008055	4.015782	4.2108665	3.947925
SLC52A3	5.335443	5.3149005	5.543843	5.451458	5.4839245	5.459538	5.199481	5.577449	5.3082295	5.1165315	5.2913035	5.4851955
GGTA1P	3.810541	4.113169	4.2092	3.811382	3.762961	3.642982	3.792256	3.779745	3.689282	3.692111	3.722037	3.779068
FAM221A	3.106429	2.961428	3.243754	3.068696	3.490044	3.018819	3.734969	3.431475	6.194716	4.625502	3.65046	4.434076
MEG9	5.741049	5.521752	5.686661	5.160895	5.716482	5.386419	6.319981	5.54529	5.624515	6.867518	5.98955	6.790745
USP30-AS1	4.172894	4.078893	4.150082	4.031312	4.027488	4.25111	4.191312	4.24816	5.398366	3.967307	4.674534	4.069106
KRBOX1	7.313721	6.835328	7.337798	7.705631	6.146006	5.550148	7.908992	6.16145	6.95791	7.507714	4.943648	8.446829
LOC100506100	6.90789	6.241339	5.995245	7.064218	6.258541	5.614627	6.492028	5.891122	6.747316	5.094932	5.562786	5.390206
ITGB2-AS1	4.6137885	4.7284385	4.8586425	4.6627345	4.395665	5.5471545	4.4601595	4.334566	4.294396	4.3363665	6.193005	4.2770835
ATP6V0E2-AS1	4.004369	4.263669	4.25667	4.331532	4.672041	5.20758	4.659575	4.762461	5.843297	4.27485	5.686938	5.030725
FDCSP	3.863363	3.902542	3.626676	3.922167	4.383708	4.607162	4.703438	4.189616	3.958841	4.16419	7.959034	7.516895
PRKAG2-AS1	3.184246	3.265178	2.916902	3.066568	5.081259	4.294007	3.697214	4.654825	3.138483	5.315246	3.48462	4.21769
SLC51A	2.961819	3.086759	2.977367	3.445313	3.229506	3.151249	2.802833	3.446977	3.361815	3.011401	3.245455	3.071493
TMEM178A	3.975662	4.480111	4.837683	3.032392	6.476061	3.985012	10.12934	6.424232	6.349855	11.13203	4.160607	11.21572
UNC79	4.892848	5.491798	5.035996	5.02496	4.786188	4.73372	4.733246	5.040481	4.686898	4.910285	4.927181	5.137732
LOC100506725	3.66461	3.381233	3.731709	3.368028	3.378054	3.181443	3.358289	3.620437	4.005336	3.569562	3.542984	3.447014
TMEM238	3.378594	3.885257	3.733495	3.642678	3.622029	3.394809	3.845396	3.544593	3.610759	3.362384	3.550069	3.257856

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
LINC00654	4.267714	4.397867	4.178463	4.70707	4.490602	4.114354	4.215464	4.608799	4.224557	3.69838	4.040395	3.524551
LINC00324	4.290952	5.63181	4.916695	4.603014	4.915747	4.707302	4.633185	4.606109	4.599208	4.346256	4.381582	4.546367
TICRR	5.442919	5.694443	5.535153	5.525636	5.072487	4.925767	5.8417875	5.1859905	5.053771	5.47819	5.039168	5.4793065
DNAAF3	4.989129	4.952253	4.676419	5.078903	5.436584	9.451163	6.801376	5.566354	5.290383	4.842678	6.401901	5.374818
PEG3-AS1	3.717276	3.772854	4.020479	3.882258	3.740056	3.519717	3.906307	3.705557	3.844315	3.914652	4.034892	3.823032
FLJ46875	6.001656	6.275174	5.7122	5.30447	5.949015	5.53481	5.639315	5.459476	5.401444	6.07146	5.454133	5.874126
SOWAHA	3.108372	3.267732	3.300711	3.09341	3.12263	2.884358	3.234652	3.09341	3.093599	3.102209	3.201529	2.975737
LINC00473	3.633829	3.982792	5.072605	3.844408	3.629657	3.421857	3.381429	3.507794	3.640505	3.266412	3.297442	3.299642
METTL21C	2.85841	2.829111	2.970103	2.859796	3.06707	3.014296	2.63171	2.767	2.800514	2.593739	2.671547	2.54482
LOC100507291	5.794145	5.796823	5.902582	5.849039	5.74978	5.929756	5.97569	6.022309	5.902015	5.82438	6.063811	5.494741
C5orf63	4.332691	3.9373135	4.5119135	4.451881	4.290903	4.2076575	4.3852675	4.493882	4.5284525	4.885196	4.1392575	4.598778
MYLK-AS1	5.419577	5.372811	5.688181	5.694973	6.17372	5.552116	5.46867	6.382436	5.752666	5.291158	5.874466	5.109728
LOC100505942	5.415702	5.636834	5.495926	5.711719	5.361358	6.188173	5.246847	5.528878	5.611959	4.97744	5.886779	5.472891
WWC2-AS2	4.117241	4.571698	4.551121	4.42578	4.738706	4.511072	4.736807	4.687725	4.384147	4.54674	4.961295	4.36639
PGM5-AS1	5.4456615	5.211714	5.4333285	5.3474	4.8014185	5.254509	5.1316935	5.0982765	5.032937	5.4977955	4.907749	5.4827355
LAMB2P1	4.999711	5.184734	4.514966	4.582533	4.932957	5.142849	4.796818	5.265962	5.175845	4.537817	5.219623	4.762556
LOC100505938	3.893756	3.668902	4.042982	3.730562	4.426986	4.754506	3.757189	4.591206	3.817867	3.950267	4.95076	4.730659
HOXA11-AS	3.795666	4.1992085	4.1511155	4.0984725	3.7975565	4.01128	3.5352835	3.8807385	3.4815615	3.4847465	4.1460535	4.5943885
EXOC3L4	4.797448	4.894911	4.67059	4.6418735	4.4330915	4.50018	4.5757345	4.5690535	4.415616	4.3055245	4.4451365	4.093741
MIR210HG	7.4655455	7.771037	8.0614005	6.781046	4.621752	4.2357595	4.964138	4.2583625	5.769122	6.0468935	4.585014	5.7139545
HOXB-AS3	4.088539	4.686963	4.246699	4.139612	3.69672	3.831417	3.482163	3.879045	3.707772	3.692111	4.067789	3.494274
RNF157-AS1	2.583142	2.861923	2.55856	2.613035	2.541813	2.435339	2.522942	2.844918	2.619538	2.387652	2.741544	2.672912
C19orf81	3.781822	4.052629	3.764939	3.81168	3.762082	3.55066	3.804978	3.582248	4.094029	3.965792	3.565093	3.59394
SLC51B	4.087578	4.506229	3.869995	4.318296	4.368556	4.299123	4.141658	4.045706	4.341228	4.115725	4.309645	4.295389
SMIM1	5.666267	5.730176	5.991115	5.401304	5.620197	5.320037	5.620942	5.30447	5.476357	5.527582	5.628782	5.124664
DLX6-AS1	3.530917	3.562663	3.34972	3.584275	4.020788	3.323354	4.171732	3.887398	3.448671	4.207587	3.549778	3.306868
LOC100286922	3.421715	3.575875	3.293307	3.644882	3.827234	3.178114	3.458691	3.356432	3.407615	3.354222	3.180289	3.165423
LOC100505774	5.136518	5.122519	4.983753	5.528878	5.052273	4.931193	5.170836	5.195865	5.105075	4.916751	5.33383	5.18305
LOC100505664	3.988564	3.974628	4.009806	3.831418	4.02559	3.933638	3.834398	4.006908	4.079894	3.969386	4.36133	3.934207
TRPC5OS	2.582476	2.670974	2.708737	2.692221	2.689051	2.723215	2.712566	2.702543	2.533738	2.66478	2.679241	2.676774

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
LINC00643	2.7955875	2.779454	2.9748895	2.811699	2.762039	2.8124355	2.8918975	3.0007525	2.9282435	2.787931	2.824784	2.747683
LOC100506125	3.806162	3.933241	3.756995	3.79097	3.898055	3.659994	3.844962	3.613953	3.984525	3.900518	3.528614	3.617919
SPPL2C	4.470011	4.454206	4.420455	4.396616	4.325791	4.282742	4.359768	4.104487	4.373212	3.877636	4.479158	3.998653
ZNF582-AS1	5.218494	5.577043	5.753306	5.6694055	6.4606805	5.7245275	5.988277	6.6321775	6.411986	6.489038	7.3342215	6.5362285
ARMC12	4.56999	5.068074	4.875781	4.991696	5.159287	5.011189	4.956919	5.222176	5.406599	5.433958	5.217255	5.337513
LOC100506406	4.818988	5.232646	4.713356	4.891179	4.702705	4.586471	4.713001	4.584324	4.628505	4.375539	4.577161	4.171557
LINC00158	2.993663	2.995901	3.305416	3.187564	3.524477	4.466489	3.555983	3.301257	3.945521	3.319937	3.711251	3.142358
DNM1P46	3.267911	3.22645	3.233903	3.315752	3.205991	2.995788	2.809463	3.205991	3.366807	2.884003	3.420905	3.2564
LINC00445	3.438114	3.569375	3.600475	3.60691	3.812126	3.699241	3.707608	3.83347	3.91641	3.494755	3.649581	3.215501
LOC100505498	3.245864	3.198718	3.246666	3.465626	3.678942	3.955018	3.433668	3.8778095	3.257768	3.8799315	3.681015	5.1517765
BOD1L2	4.940114	4.803991	5.08344	5.176758	5.075992	5.168251	5.13425	5.076818	5.264519	5.114276	5.368786	5.006753
LOC100507560	4.765876	4.915711	5.118758	5.264733	5.000016	5.230024	4.891062	5.17841	5.049111	5.159325	5.276488	5.04194
FAM228A	4.241735	3.918842	4.756094	4.434774	3.604913	3.800739	3.523929	3.731595	3.865165	3.675721	3.823189	3.443958
PIH1D3	3.678037	3.814347	3.552927	3.885813	4.013897	3.778441	3.854536	3.850044	3.738253	3.868224	3.869772	3.676057
SPACA7	3.298139	3.22356	3.45752	3.236337	3.289212	3.306917	3.565093	3.575701	3.205811	3.184216	3.304265	3.124027
LOC100506929	4.205323	4.419404	4.346728	4.38103	4.31504	4.200151	4.197228	4.426039	4.518548	3.996899	4.309645	4.120456
LOC100505841	3.971011	4.084258	3.607261	4.19948	3.803394	4.029518	3.972932	4.204156	3.832471	3.527862	4.298592	3.748716
LINC00487	2.421646	2.55856	2.350808	2.583116	2.572948	2.297575	2.514912	2.472808	2.664779	2.514912	2.51405	2.469828
LINC00658	4.11445	4.428655	4.333993	4.209867	4.348021	4.184065	4.126093	4.185877	4.095122	3.953499	4.756094	4.228764
NTRK3-AS1	4.679883	5.032709	5.478874	5.013577	4.675849	4.413602	4.693972	4.462295	4.436962	4.464115	4.753659	4.504813
KHDC3L	4.399312	4.923759	4.352877	4.693845	5.057261	4.969169	4.793011	4.726712	4.720727	4.446446	4.887302	4.687193
LOC100505985	3.018849	3.026482	3.169819	3.137481	3.019934	2.935534	2.914425	2.939277	3.131237	2.888971	2.979755	2.910792
LINC00113	2.971813	2.595477	2.840737	2.954077	3.418867	3.001049	2.854188	3.242803	2.746603	3.076934	3.111828	2.622424
ZBTB20-AS1	4.988202	5.76293	4.910109	5.182919	5.004692	4.608004	4.675469	4.947231	4.85895	4.757787	4.988535	4.850638
SPAG5-AS1	4.5473245	4.651872	4.6109925	4.4043615	4.5380675	4.4698745	4.3816215	4.5199025	4.50921	4.546467	4.3664855	4.2996845
NOXRED1	4.084911	4.125953	4.027061	4.111313	4.175971	3.997159	4.231117	4.197221	4.648771	4.039641	4.610324	3.781823
MRVI1-AS1	5.648832	5.85491	5.58662	5.890985	5.683282	5.430302	5.338535	5.709012	5.480149	5.218813	5.437786	5.221161
CABS1	2.255696	2.562539	2.594851	2.324606	2.33488	2.429506	2.558211	2.55856	2.459134	2.664779	2.44732	2.506119
TEX33	2.573676	2.873019	2.564977	2.528302	2.664779	2.787782	2.700209	2.645652	2.690103	2.50329	2.697369	2.469828
LINC00029	4.913989	5.312894	5.412314	5.351582	5.260445	5.325021	5.173918	5.405054	5.31033	5.202187	5.192856	4.976768

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
AP5B1	4.383028	4.087427	4.651662	3.837364	4.028496	3.986991	3.913954	3.494433	3.83318	3.943327	3.915458	4.305897
PALD1	4.268958	5.086941	4.472507	5.631765	5.439549	7.823864	7.455874	5.641094	6.080369	7.192233	7.825752	7.628748
SOX2-OT	2.450638	2.192909	2.320807	2.19802	2.334881	2.472748	2.398217	2.282503	2.647342	5.597927	2.56109	2.240369
ERVH48-1	3.951112	4.388079	4.008319	3.995629	3.743008	3.474406	3.310034	3.683618	3.511247	3.61582	3.774884	3.308791
LINC00284	2.593708	2.697432	2.793137	2.676914	2.741091	2.962886	2.709499	2.660008	2.565539	2.469161	2.676234	2.554763
LINC00543	2.751891	2.958458	3.11971	3.069353	3.059436	3.013057	3.147569	2.897856	3.065021	2.981848	3.155036	2.686973
GCSAML-AS1	2.448704	2.627084	2.79895	2.529325	3.056257	2.58684	2.472893	2.568624	2.633011	2.576549	2.405931	2.704769
A1BG-AS1	5.631809	5.725657	5.751604	5.552116	4.852551	4.813768	4.757523	4.846703	5.387359	4.887853	4.894725	4.916197
BVES-AS1	3.366068	3.742009	3.578496	3.514433	2.958292	2.964936	2.966514	3.051406	3.010735	3.034456	3.556459	3.12213
FAM209B	5.454965	5.521272	5.501553	5.236006	5.157982	5.025398	5.079033	5.100112	5.471639	5.360604	4.97917	4.719771
UBAP1L	5.302628	5.446672	5.3528135	5.180421	5.239448	5.0704285	5.069249	5.240062	5.1826585	5.0564045	5.465287	5.2297695
ACTL10	5.992747	5.825929	5.37522	6.03845	5.557324	6.441136	5.987005	5.73608	5.173524	5.101245	6.236031	5.044215
EFCAB12	3.792251	4.113879	3.731275	4.069336	4.279584	4.363594	4.396486	4.434931	4.268864	4.067562	4.069554	4.126977
SLFNL1-AS1	3.962293	4.330237	3.887953	4.001636	4.26351	4.063375	4.233119	4.317819	4.05943	3.98088	4.085539	3.87466
ZNF503-AS1	5.735114	5.835905	5.843687	5.732812	5.77574	5.432356	5.786444	5.965781	5.702632	5.805757	5.86918	5.443454
SIGLEC17P	4.134868	4.054836	4.020394	4.218298	4.370375	4.02071	4.310176	4.188777	4.318054	4.102492	4.079689	3.801043
BPIFB2	4.866006	5.052921	5.017615	5.221342	5.07478	4.905945	4.968101	4.825161	5.089744	4.599838	5.248402	4.894222
LINC00589	5.513367	5.622441	5.463177	5.483665	5.415423	5.38832	5.270739	5.319971	5.340329	4.961606	5.265626	5.196398
LOC100652999	4.913989	4.860206	4.977683	4.855354	4.944675	4.784618	4.854555	4.924588	4.996347	4.764668	4.656659	4.900686
SLC22A31	5.739296	5.642494	5.656223	5.832755	6.026579	5.988011	5.810401	6.042583	5.958968	5.766771	6.164936	5.863133
LINC00629	3.145353	3.194796	3.13419	2.968015	2.965656	2.696407	3.150944	3.129997	2.823272	3.744657	3.177232	3.614084
NALCN-AS1	5.850934	6.074573	5.472107	6.025994	5.398086	5.772591	5.93076	5.762188	5.409485	5.254098	5.837162	5.17506
MIR4500HG	3.121092	3.157129	3.261154	3.618679	3.33114	3.121612	3.446136	3.320188	3.403289	3.4622	3.07749	2.747111
NR2F2-AS1	5.03116	4.76561	4.756094	4.746625	4.618606	4.463459	4.319747	4.746004	4.513522	4.87396	4.617984	5.345463
GNAS-AS1	3.921253	3.998631	4.494184	4.634017	4.932792	4.503287	5.501328	5.068802	3.963855	4.121392	4.061291	4.795058
ANKRD19P	5.341711	5.114388	4.958427	5.328146	5.376235	5.400842	5.279687	5.444242	5.245	5.588509	5.835945	5.312869
NAV2-AS4	5.245701	5.444357	5.552477	5.42902	5.773671	5.568729	5.499964	5.606177	5.545006	5.391853	5.600292	5.498693
FRMD6-AS1	6.141136	5.372532	5.619088	5.210562	4.38577	3.737559	4.833619	4.322841	5.520567	5.587485	5.038765	6.149494
PTCSC1	5.170369	5.285634	5.041164	5.457954	5.300719	4.813854	5.516413	5.178998	4.919189	4.898295	5.193773	5.18908
LOC100507642	5.451412	4.761557	5.976335	4.864023	5.495983	6.248474	5.969623	5.332701	4.18688	5.944746	5.022573	6.231941

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
LOC100134040	4.845444	5.221426	4.97744	4.916682	5.19887	4.999621	5.142672	5.604908	5.020336	5.0389	5.000705	5.054781
TPTEP1	4.611705	3.920086	3.900518	4.222282	4.091572	3.509564	3.715255	4.036471	3.381429	3.569562	3.71314	3.176088
LOC284240	4.411741	4.335244	4.616028	4.373387	4.316759	4.309645	4.370644	4.683473	4.468986	4.042645	4.451495	4.133491
LOC100653233	5.797566	5.775823	5.621925	5.848456	5.636477	5.536558	5.651073	5.63949	5.298346	5.146683	5.596417	5.352707
SH3RF3-AS1	2.866341	2.927064	3.089449	2.77488	2.698953	2.955907	2.55856	2.930194	4.03946	2.612068	3.092082	2.788517
BPIFB4	4.998201	4.94155	4.750752	4.840717	4.463699	4.598647	4.166615	4.687379	4.648451	4.261774	4.465881	4.127913
LINC00475	4.320693	4.187716	4.385095	3.996715	4.337668	4.296398	4.649212	4.27747	3.881433	4.219589	4.109905	4.73631
LIMD1-AS1	5.707242	5.834797	5.692872	5.883713	5.84975	5.831813	5.715365	6.089687	6.014318	5.696002	5.757443	5.562047
LINC00557	3.704183	3.960524	4.154099	4.213362	4.117152	3.932242	4.220332	4.056323	4.049172	4.112653	4.227994	3.906674
TPTE2P6	3.198296	2.896711	2.763754	2.68314	2.861951	2.367419	2.56389	3.147569	2.708624	5.243	3.378456	5.713764
POU6F2-AS2	2.396319	2.305547	2.420716	2.424204	2.417041	2.789906	2.431302	2.430103	2.50508	2.420716	2.429348	2.226853
LINC00028	4.784252	4.875503	4.770382	5.070251	4.540747	4.696437	4.711358	4.73235	4.730628	4.656553	4.744974	4.145212
NYAP2	3.072861	3.070899	3.509315	3.3253	3.081047	2.966711	3.127576	3.278967	3.2203	4.248472	3.471932	3.754563
LOC349160	2.570341	2.79406	2.786048	2.573217	2.545014	2.464126	2.324607	2.608704	2.519313	2.504554	2.412343	2.45242
TBX5-AS1	5.24135	4.982037	5.123678	5.231798	3.0493015	3.0539435	3.119831	3.094787	3.0995245	3.1466555	3.3388555	2.755044
ADCY10P1	4.848272	4.864905	4.8114995	4.826537	5.2808335	4.6539865	4.579647	5.266821	4.5368055	4.99515	5.3572015	5.2590745
ABHD16B	4.102652	4.956099	4.36639	4.338453	4.397676	4.5949	4.337374	4.371677	4.332839	4.064229	4.592946	4.168008
LOC286059	4.2642325	4.234674	4.183415	4.321318	4.3259215	4.3777305	4.35125	4.3714095	4.355675	4.3716405	4.7521395	4.2558245
LOC100506405	3.691555	3.39945	3.739864	3.849774	3.911684	3.652266	3.844175	3.799481	3.872209	3.465644	4.174208	3.535646
LOC91548	6.660421	6.691696	6.777748	6.461212	6.8295	6.419857	6.498313	6.786421	6.64298	8.078321	7.12813	7.674055
IGLC1	4.367999	4.6856635	4.556854	4.5878845	4.642587	4.799311	4.679271	4.621206	4.6403185	4.433478	4.9328045	4.599297
TRDV3	3.287477	3.1117345	3.4012085	3.312564	3.2435775	3.2585345	3.205058	3.200398	3.1892625	3.118611	3.1750395	2.9884855
LGALS8-AS1	5.469287	5.445254	5.523666	5.300476	5.653463	5.229789	5.454707	5.766296	5.818622	5.448292	5.712737	5.039642
PTCHD4	3.223144	3.898472	3.575807	4.073061	4.018348	3.650284	3.900519	4.065652	3.559535	3.620299	4.878697	3.676058
IGLV1-44	4.657474	4.97479	4.785305	4.837375	4.50088	4.715788	4.650943	4.826796	4.537254	4.514946	5.10407	4.490347
LOC100287497	3.874649	4.133416	4.408847	3.997651	3.673088	3.800205	3.671629	3.663235	4.191341	4.802142	3.531319	4.674635
LINC00309	2.864404	2.860195	2.989407	2.792323	2.909247	2.983968	2.774115	2.851184	2.834748	2.917985	2.971501	2.700932
ITIH6	3.607458	3.788975	4.024335	3.85483	3.774951	3.71187	3.669233	3.70769	3.624415	3.798179	3.702554	3.784267
LURAP1	5.961848	6.066887	5.936723	6.402703	5.982774	5.99878	6.274502	6.05905	5.423956	5.880074	6.118563	6.173634
TRMT10B	5.053815	4.7684795	4.9234265	4.929379	4.936868	4.390911	5.1387205	4.938409	4.8008515	5.740455	4.824712	5.796127

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
GCSAM	3.20086	3.12337	3.183039	3.460813	3.075406	3.474383	3.11698	3.408673	3.166667	3.201139	3.072288	3.188319
MLIP	3.33776	3.201355	3.155092	3.420867	3.885925	3.768971	3.405402	3.620436	3.721748	3.590021	3.643175	3.615983
LOC100506114	3.588693	3.982916	3.660251	3.601417	3.651505	3.709776	3.664736	3.726094	3.574633	3.494928	3.833066	3.562911
LINC00174	6.172399	6.440174	6.389554	6.104395	6.076812	5.853014	5.949793	6.166201	6.276306	6.078756	6.1428	6.215584
PPP1R32	4.574637	4.87123	4.489782	4.614606	4.312392	4.532979	4.54074	4.304666	4.396662	4.357343	4.333807	4.184065
SYNE4	4.437981	4.269555	4.363021	4.455485	4.256145	4.110738	4.020136	4.363996	4.511096	4.263463	4.556061	4.308172
CAHM	4.402015	4.431258	4.383783	4.35715	4.588253	4.313223	4.295032	4.644678	4.525406	4.665834	4.451712	4.859458
NAPA-AS1	4.8316235	5.3446275	4.8803665	4.907512	4.616467	4.7020445	4.6603295	4.465802	4.6341735	4.47185	4.6092975	4.343739
LRRC73	5.026813	5.039255	5.232033	5.347497	5.067543	5.051895	4.608684	4.930786	4.622049	4.829776	5.208132	4.187116
LOC100130744	4.479775	4.592452	4.25717	4.084616	4.147762	4.448943	4.38913	4.363492	4.674254	4.461993	4.616194	4.172402
IDH1-AS1	4.780176	4.849931	4.53478	4.949835	4.97551	4.88061	5.142211	5.084972	4.491653	5.304976	4.706712	5.239387
ARHGEF26-AS1	2.576741	2.582981	2.561544	2.845841	2.705478	2.581605	2.759653	2.808407	2.750416	2.878894	2.511528	3.036691
NKX2-1-AS1	3.614649	3.863363	4.093305	3.988014	3.836827	3.381918	3.762944	3.737044	3.718927	3.557	3.44774	3.298251
LINC00319	3.670813	4.190619	3.841143	4.007697	3.856422	3.968437	4.031748	3.894582	4.137751	3.698184	4.033791	3.720063
TMEM52B	2.398779	2.393894	2.315092	2.449347	2.496699	2.535538	2.447803	2.438636	3.139348	2.526034	2.450088	2.419475
RPS6KA2-AS1	4.520075	4.329728	4.370736	4.356182	4.537817	4.646868	4.597004	4.598004	4.308814	4.257083	4.616233	4.521599
STK4-AS1	5.018323	5.568336	5.426213	5.897641	5.841401	5.831428	5.745035	5.898413	5.726521	5.475913	6.191157	5.745035
C3orf80	2.777181	2.564239	2.516894	2.729356	2.475415	3.132093	2.695966	2.505112	2.549836	2.922646	5.042686	2.949192
TEX29	3.541476	4.186325	3.874575	4.058298	3.49499	4.162993	3.37331	3.501316	3.471639	3.513671	3.774993	3.162734
LINC00494	4.185649	4.137285	4.011398	4.031535	4.096929	4.12434	4.16769	4.275612	4.030051	4.007786	4.131047	3.60526
IQCF4	2.38788	2.668404	2.531015	2.233941	2.530001	2.695339	2.459919	2.589336	2.531084	2.831881	2.728053	2.454794
CCDC173	3.12995	3.015225	3.057529	3.066904	2.850843	3.944715	2.839911	2.923378	3.030956	3.080194	2.99041	3.0753
LOC100506790	4.597185	4.709351	4.277609	4.997235	4.415542	4.356355	4.387013	4.837876	4.240804	4.242731	4.62956	4.119038
CCER1	3.624852	3.568	3.713716	4.007317	3.260419	3.471202	3.299014	3.375882	3.461896	3.153787	3.49102	3.279196
LINC00582	5.003719	5.040215	5.085013	4.969539	4.678516	4.692304	4.745994	4.719754	5.011361	4.791287	4.943022	4.744799
CATSPERD	2.8601	2.916532	2.800498	3.273466	2.999851	2.916664	2.987902	2.914234	2.748618	2.818072	2.882107	2.886165
ENO1-AS1	3.995311	3.655447	4.021451	3.578962	4.441593	3.903945	4.847216	4.286741	3.914501	4.341111	4.372147	4.689547
SYNDIG1L	4.45793	4.919009	4.84433	4.64296	4.746826	4.857305	4.613202	4.751527	4.884181	4.856684	4.811428	5.161061
LINC00244	4.922944	4.432113	4.36639	4.583469	5.086639	4.879107	4.790574	4.783914	5.263082	4.822497	4.844562	4.30269
BPIFA2	3.556544	4.303553	3.722274	3.802314	3.6608	3.433394	3.346377	3.294296	3.539932	3.345404	3.867109	3.577507

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
RIIAD1	5.391639	5.41993	5.486476	5.66357	5.369632	5.35116	5.514198	5.77713	5.594223	5.26539	5.522382	5.281948
LOC100507384	3.51726	4.115957	3.367208	3.593864	3.546118	3.190944	3.360738	3.352658	3.28963	3.098981	3.424286	3.214165
HOXB-AS1	5.572529	5.8741445	4.960108	5.2496855	4.5539175	4.919515	4.899845	4.635911	4.3870095	5.2343805	4.92265	5.3168535
PHKA1-AS1	3.338283	3.612247	3.057385	3.254503	3.314209	3.246136	3.205991	3.49499	3.112017	3.047975	3.494786	3.733155
LRRC71	4.585063	4.592451	4.108715	4.494	4.434448	4.184065	4.536325	4.502458	3.890056	3.691836	4.536482	4.118582
IGSF11-AS1	2.411229	2.509283	2.285368	2.400182	2.473588	2.532651	2.509283	2.527709	2.549835	2.563358	2.540714	2.621746
LOC100505978	4.615379	4.379878	4.417133	4.373675	4.210383	4.410931	4.388929	4.321871	4.407881	4.341854	4.548901	4.290861
LOC100506675	4.0095	3.9579335	4.037968	3.8798785	4.1262795	3.9887695	3.8734605	3.9053885	3.977481	3.9528895	4.1772905	3.8284235
LINC00310	3.768463	3.778901	4.07305	3.996146	3.76581	3.416614	3.967212	3.522024	3.898344	3.416614	3.653879	3.380252
OSTM1-AS1	2.852206	3.32975	2.710496	3.043383	2.656641	2.789874	2.897358	2.758444	2.779173	2.718287	2.692291	2.4523
ELOVL2-AS1	2.456924	2.566408	2.708737	2.957206	2.864922	2.610485	2.626997	2.992856	2.834748	2.792674	2.830331	2.695621
FGF14-IT1	4.102704	4.283479	3.942623	4.052002	3.899336	3.703715	3.712714	3.783795	3.80153	3.863111	4.104682	3.618811
TPBGL	4.511453	4.455814	4.203933	4.52865	4.542192	5.416181	4.383917	4.550437	4.748694	4.62397	4.662999	4.366389
MSANTD1	4.909511	5.372531	5.187476	5.192687	5.051591	5.798742	5.26849	5.293878	5.165644	5.375431	5.293878	5.19687
PRSS58	4.589583	4.54917	4.058417	4.301879	5.002145	4.821405	4.563004	4.950711	4.807368	4.555233	4.793533	4.68199
ZC2HC1B	3.205991	3.756486	3.158163	3.591049	3.388366	3.454694	4.155106	3.422636	3.309848	3.243762	3.449073	3.422636
SEC1P	4.258955	4.457643	4.695241	4.256207	4.612994	4.323109	4.29974	4.309926	4.201918	4.063015	4.321615	4.251157
LINC00518	2.608644	2.7141545	2.818997	2.770194	2.605488	2.8870555	2.8045495	2.8544265	2.714055	2.6490495	2.5837415	2.7540655
PPP1R36	4.946689	5.149002	5.585422	4.956064	4.550984	4.533283	4.664343	4.691207	4.797157	4.279821	4.620265	4.502286
LINC00427	4.578114	4.711526	4.662705	4.13145	4.508485	4.453627	4.021036	4.313614	4.573265	4.289629	4.712489	4.223787
LOC100507513	5.081555	5.168212	5.244175	5.049023	5.043146	5.3198	4.932189	5.091683	5.306435	4.895229	5.183088	5.059097
LOC100507562	3.988806	4.350513	3.884571	3.898698	4.134231	3.994248	4.187308	4.381386	3.828132	3.580324	3.761257	3.982639
TSC22D1-AS1	4.3109525	4.294776	4.8758305	3.9279295	3.5803525	3.577454	3.604491	3.751139	3.711038	3.9495275	3.5040535	4.1487145
SCGB2B2	4.852318	4.842475	4.832763	5.215539	4.881643	4.932479	5.064039	5.199842	4.658629	4.63825	4.639956	4.508815
LOC100505685	3.210589	3.234054	3.347529	3.335916	5.764019	7.789077	4.126062	6.631319	3.272536	3.265178	6.244757	3.480912
LOC100505711	6.264582	6.24317	6.471915	6.204039	6.331236	5.824961	6.175363	6.522996	5.932483	5.948924	6.086427	6.016031
LOC100996263	3.679054	3.687981	3.372657	3.583133	3.57892	3.78078	3.529229	3.618783	3.589557	3.603233	3.504364	3.598682
C20orf78	4.626994	4.701335	4.593425	4.757744	4.718733	4.747518	4.854555	4.975574	4.631551	4.637868	5.117887	4.807474
LOC100996671	3.80379	3.672353	3.650116	3.797043	3.844089	3.781823	3.644333	3.700108	3.703702	3.520303	3.362752	3.496506
SOX21-AS1	2.656346	2.773961	2.830004	2.962277	2.651922	2.630999	2.827158	2.72245	2.515833	2.651922	2.880301	2.699049

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
SNRK-AS1	3.759196	3.71394	4.236352	4.006054	4.036912	4.043655	4.182552	4.011868	3.820183	5.257174	4.663426	4.537817
LINC00347	2.795542	2.914235	2.892226	2.875783	2.752175	2.965462	2.712075	2.931014	2.983537	2.959768	2.953961	3.025369
LOC100505549	4.3048265	4.132378	4.2671085	4.0380415	4.627058	5.1707105	5.021428	4.669761	4.925862	5.3285435	4.841604	5.48244
LOC100129617	5.130494	5.548494	5.34694	5.420906	5.697052	5.750253	5.651074	5.929607	5.533141	5.648635	5.806128	5.366234
LOC100506388	2.80997	3.008386	3.196658	2.816226	3.318071	3.142909	3.040179	3.379693	2.840354	3.235539	2.696917	2.820283
GAS6-AS1	5.139523	5.3289235	4.694216	5.0003645	5.475063	4.6572995	5.315292	5.4321505	4.4425385	4.7395055	5.189822	5.1920465
LINC00635	3.420827	3.196179	3.423182	3.161061	3.657356	3.165145	3.288122	3.315861	3.323196	3.209097	3.486326	3.267485
LINC00672	4.694579	4.760387	4.635149	4.488642	4.235371	4.309645	4.219486	4.392955	4.198176	3.738285	4.12624	4.144218
LINC00226	3.5703885	3.702244	3.5353045	3.553854	3.502948	3.618757	3.4352755	3.5630935	3.4488155	3.601151	3.6697555	3.4644915
LBX2-AS1	5.657987	5.690583	5.054425	5.760676	5.789506	5.109479	5.461889	5.83159	5.856891	4.887659	5.807355	5.110913
DLGAP1-AS1	5.5104765	5.584326	5.4689135	5.4063425	5.209628	4.884434	4.6973105	5.1846585	5.2714485	5.30912	5.7284445	5.013214
IQCH-AS1	5.003157	5.334065	5.30315	5.130739	5.086638	4.964036	5.174839	5.08202	5.326481	5.084874	5.753988	4.60754
SPTSSB	2.590914	2.568143	2.599087	2.392655	2.54057	2.86356	3.159336	2.490612	2.386553	2.484241	2.622886	2.688813
HOGA1	4.855914	4.454638	4.757442	4.457527	4.69846	4.795202	4.647249	4.88742	4.589447	4.540517	4.632618	4.730334
POLR2M	2.960424	3.057246	2.950832	3.09514	3.10935	3.142909	3.498651	3.123437	3.071385	2.953372	2.950113	2.920812
SLC25A5-AS1	3.666725	3.7370635	3.7308415	3.759126	3.587939	3.3826345	3.997866	3.496853	3.767904	3.424329	3.573763	3.5449115
DAPK1-IT1	3.274196	3.587551	3.689975	3.533294	3.947905	3.831844	4.24501	3.854671	3.720562	7.762665	4.201364	8.569275
LOC100505912	4.04172	3.723125	3.40822	3.89124	3.83271	3.608474	4.128407	3.938992	3.441449	3.900753	4.467784	4.230608
DNAJC27-AS1	4.071061	4.230457	4.179129	4.094136	4.136632	4.259722	4.150589	4.093581	4.126639	3.983068	4.222282	3.965709
HAVCR1P1	4.995048	5.366564	5.450924	5.513556	5.874959	5.541153	5.584753	5.784937	5.417917	5.749828	5.827119	5.371565
ARRDC3-AS1	4.728118	4.900679	5.592506	5.420905	5.502618	5.620408	5.658283	5.631809	5.461994	5.266163	5.530083	5.280727
LOC100506858	4.901763	5.177657	4.804082	5.066355	4.724035	4.935105	4.899214	5.043206	4.889699	4.56516	4.913994	4.875948
LINC00608	2.9888225	3.0168015	2.912277	2.8729335	3.005135	2.794071	3.157913	3.0750665	2.8938805	2.707277	2.90541	2.88912
LHFPL3-AS2	4.050496	4.029823	4.074995	3.89655	3.900519	3.696857	3.563044	3.752438	3.676055	3.581532	3.720261	3.676057
LOC286437	6.402026	6.30458	5.760222	6.133736	5.559221	5.651626	5.539153	5.469866	5.128791	5.832498	5.499964	6.288292
LINC00545	7.717719	7.858022	6.290836	5.247561	4.559935	4.71555	4.127825	4.703217	4.446981	3.78967	4.271413	3.761744
SYCE3	4.847655	5.077644	4.794492	4.749567	4.789631	4.985972	4.528164	4.821527	5.403338	4.659578	4.636002	4.799733
LINC00313	4.2315145	4.5060065	4.0871825	4.317026	4.4200565	4.0652125	4.2055645	4.283408	4.3050775	3.779161	4.2332235	3.7871125
LINC00323	2.490587	2.430172	2.831033	2.434731	2.455777	2.555442	2.488914	2.324607	2.473395	2.51114	2.575621	2.336557
LOC100506236	3.269119	3.281541	2.861618	3.780565	3.196784	2.936038	2.871913	3.22415	2.952837	2.762558	3.326289	2.867848

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
LOC100286925	5.661716	5.597072	5.184319	5.579367	5.162252	4.532393	5.301466	5.209395	4.982191	4.840313	4.562644	4.590345
SYNPR-AS1	3.734206	3.638143	3.801068	3.647305	3.559007	3.563251	3.598378	3.555356	3.398013	3.833845	3.683422	3.643658
LINC00327	4.179627	4.160883	4.541483	4.02388	3.487879	3.512176	3.575918	3.521213	3.533997	3.384216	3.718081	3.343787
LOC100507395	4.394998	4.110059	4.153517	4.780124	5.291955	5.769209	5.202861	5.366723	4.621726	4.764668	5.396962	4.903005
BPIFA3	6.092754	6.193834	6.12041	6.232574	6.357688	6.014772	5.811896	6.26142	5.769074	5.725658	5.96417	5.268204
LOC285000	2.835481	2.955088	2.855144	2.84426	3.045084	2.920449	2.797103	2.843563	2.701608	2.835481	3.012539	2.931014
LOC100996654	4.381582	4.397675	4.178292	4.242629	3.981303	3.805249	3.960038	3.866086	3.995824	3.811452	3.812458	3.900424
PTOV1-AS1	4.0065865	4.383796	4.1372665	4.208553	4.291964	4.0627935	4.037277	4.4049685	3.995495	4.029144	4.278182	3.9904325
LINC00293	4.389054	4.369391	4.298404	4.445806	4.563164	4.620294	4.356964	4.902951	4.332218	3.990468	4.400066	3.952903
PEX5L-AS2	2.701056	3.063871	2.786766	2.669864	2.906087	2.931014	3.150888	3.00107	2.92504	2.948822	3.122223	2.933375
ISM1-AS1	3.447014	3.453027	3.514075	3.454905	3.345619	3.238707	3.697476	3.592529	3.506637	3.35798	3.601	3.269339
LOC100507221	2.278418	2.261737	2.267265	2.358191	2.334881	2.18567	2.247733	2.229147	2.263834	2.458704	2.460694	2.377002
LOC100507443	4.549158	4.650193	4.394335	4.679588	4.607485	4.464178	4.580775	4.579698	4.52844	4.351048	4.343882	4.46057
VPS13A-AS1	5.661013	5.993897	5.615494	5.608822	5.494636	5.658233	5.331406	5.461438	5.618577	5.366874	5.768186	5.529785
ZNF295-AS1	4.518548	4.937088	4.417545	4.583469	4.530489	4.374832	3.986585	4.142906	3.778391	4.24774	4.023945	4.055013
MKNK1-AS1	5.201901	5.236979	5.200782	5.315657	5.639989	5.248027	5.31383	5.528483	5.545897	5.41087	5.747375	5.473057
JARID2-AS1	3.05123	3.71714	2.919269	3.325679	3.255024	3.356729	3.144209	3.117498	3.396017	3.072622	3.260529	3.120731
FAM221B	4.339637	4.97173	4.36639	4.53628	4.361663	4.467017	4.350466	4.418416	4.338913	4.183939	4.551743	3.938406
LINC00641	4.150689	4.371201	3.969151	4.296767	4.371463	4.113781	4.279671	4.545963	4.345199	4.437668	4.217529	4.273741
LOC100506851	3.61041	3.379474	3.458166	3.312087	3.811161	4.500084	3.904374	3.998478	3.488899	3.382796	3.567724	2.988947
FLG-AS1	3.837493	3.807081	4.3735395	4.0981185	4.3385305	5.59803	4.233498	4.6041625	4.466459	4.1874285	4.4909135	2.7057735
LINC00462	3.709175	3.587694	3.681682	3.873288	3.794151	3.461745	4.26309	3.835319	3.467891	3.680317	4.117227	3.350461
TRBV27	3.936162	3.856382	4.065398	3.777133	4.113912	3.940591	4.009171	4.065413	3.87856	4.036025	4.107926	4.138482
MAGI2-AS2	2.98773	2.821985	2.690952	2.81268	3.027211	3.056361	2.823651	3.204385	3.200619	2.942644	3.278856	3.197469
TOB1-AS1	4.398273	5.194369	4.485518	4.255181	4.547652	4.620491	4.124768	4.032755	3.676313	4.159545	4.150683	3.781822
SLIT2-IT1	3.407418	3.069916	3.900518	4.022426	2.958477	2.87031	2.931014	2.99877	2.84916	3.259129	2.504484	3.360238
AA06	4.345232	4.961259	4.570011	4.535057	4.76973	4.601559	4.481718	4.627672	4.579967	4.454072	4.457695	4.310129
NAALADL2-AS3	2.523494	2.478715	2.522143	2.495655	2.334881	2.440728	2.253403	2.420338	2.419184	2.249799	2.237157	2.233211
SERTM1	2.468643	2.410626	2.552936	2.625998	2.871367	2.512679	2.622582	3.121235	2.534695	2.486166	2.727323	2.368009
LOC100507557	4.436749	4.775815	4.801528	3.847112	3.047402	2.431483	2.931013	2.748694	4.678516	4.168701	3.712477	3.882153

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
MSS51	4.915501	4.198702	4.257201	4.34987	4.78711	4.186537	4.67702	4.618073	4.349075	5.826953	4.298598	5.657337
C18orf61	4.176904	4.434425	4.3990625	4.654875	4.4743795	4.503651	4.2830415	4.5157385	4.464832	4.230917	4.333266	4.151772
PCED1B-AS1	2.769202	2.312465	2.661555	2.480944	2.750186	2.469828	2.596907	2.628965	2.731598	2.564803	2.593316	2.733016
PPP5D1	3.1897015	3.6509905	3.887705	3.710383	3.207213	2.9376015	2.880016	2.9397005	3.955152	3.1873485	3.2482215	2.99325
LINC00466	2.966143	3.432077	3.27158	3.244857	3.56653	3.3135	3.475578	3.729409	3.312474	3.073092	3.642562	3.137481
SRGAP2B	7.305958	6.899962	6.740278	6.59926	6.917715	5.867072	6.719503	6.819966	7.498603	6.604121	6.075697	7.163788
HMGN2P46	2.618475	2.387613	2.735514	2.508173	2.88025	2.712656	2.696267	2.54778	2.700826	2.68107	3.966494	2.596337
LINC00668	5.370666	5.454389	5.65173	5.420905	5.365223	5.279997	5.304621	5.433219	5.406812	5.007023	5.512432	5.096734
PRRT3-AS1	7.083622	6.693491	6.973825	6.938598	7.277854	8.023558	8.144485	7.218804	6.671488	6.516697	7.912824	7.174372
PAN3-AS1	5.164865	4.551147	5.94933	4.787838	5.725658	4.538374	5.999406	5.202833	4.689019	5.749615	5.079774	4.84835
LOC100506302	4.892816	4.473517	5.329808	5.226257	6.028888	6.098451	6.263657	6.079051	5.697888	6.049174	6.054477	6.38514
LOC100506446	4.569531	4.962392	4.761175	4.592593	4.526823	4.472253	4.757389	4.370643	4.385949	4.262146	4.519667	4.183421
FAM205A	3.788015	4.148573	3.830539	3.759101	3.588756	3.172671	3.668259	3.807135	3.625021	3.383386	3.830368	3.22496
LEF1-AS1	3.222083	3.216267	3.41063	3.305549	3.37761	3.3572875	4.2035995	3.4183225	3.3942715	3.651494	3.7147285	3.9385685
TMCO5B	2.863099	3.167598	3.059981	2.728747	2.741725	2.69859	3.160601	2.82818	2.720395	2.818518	2.639922	2.853867
SIX3-AS1	3.613508	4.103325	4.023307	3.994248	3.938722	3.788112	3.832558	3.70891	3.904905	3.900518	3.774993	3.482229
LOC100506476	3.796049	4.631887	4.14924	4.338807	4.107351	5.015863	3.794263	3.882488	4.465141	4.053012	4.558367	4.24297
LOC100507006	4.584717	4.704169	4.760762	4.846703	4.855301	4.586245	4.763975	4.874388	4.561567	4.726331	5.285442	4.620265
LOC100506175	5.589662	5.662203	5.616915	5.631529	5.850233	5.601352	5.52081	5.596602	5.525466	4.902205	5.534561	5.33975
LOC100505797	2.81661	3.087944	2.845807	2.954675	2.916184	2.56421	2.920838	2.798768	3.184345	2.712504	2.843435	3.526713
TEX26	3.781108	3.50813	3.986517	3.672729	3.703832	3.392371	3.584108	3.334161	3.632029	3.615407	3.704974	3.153621
LOC100505622	4.303237	4.403069	4.28026	4.247149	4.246096	4.309645	4.076412	4.285018	5.379064	4.289783	5.226965	4.065651
LINC00355	2.869357	2.732869	2.870346	2.976472	2.812454	2.901062	2.87495	2.754018	3.116596	2.639312	3.158595	2.732869
LRRC72	3.676974	3.757555	3.906624	4.119144	3.647697	3.781822	3.63331	3.852955	3.845948	3.760523	3.897299	3.640981
LINC00551	2.453082	2.43651	2.292657	2.245178	2.584117	2.503431	2.411908	2.323096	2.469828	2.345436	2.418697	2.29876
FAM223B	5.06552	4.179472	3.79913	4.184853	3.593873	3.559465	3.682992	3.444839	3.789504	3.693347	3.676057	3.694904
KLLN	5.372531	5.044054	5.374833	5.239561	5.256033	5.238649	5.151524	5.315904	5.461353	5.027797	5.382869	4.637415
SHISA8	3.516138	3.817922	3.754742	4.013941	4.433415	3.884984	3.830959	3.893842	3.947422	3.754888	3.889692	3.540468
BCDIN3D-AS1	3.9249775	4.222811	4.3016655	4.079859	4.4930135	4.1821435	4.255971	4.39868	4.5995885	4.108661	4.3724555	4.0160275
LOC100996583	3.859141	3.971676	3.440528	3.77629	4.045566	3.883017	3.512562	3.918328	4.094599	3.582687	4.078627	3.137481

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
NUP210P1	3.637186	3.920205	3.935978	3.93192	3.923271	3.715126	3.716836	3.985159	3.884594	3.836088	3.82052	3.781161
TEX36	3.586155	3.333674	3.503709	3.322297	5.308578	5.083611	3.765067	5.264387	3.328848	3.887897	3.390852	4.069106
FMC1	7.663882	7.323973	6.9893	7.868966	8.82154	8.77963	8.461138	8.903201	7.909705	8.065737	8.785353	8.425846
ADGRE1	4.752731	4.83957	4.480794	4.858111	4.499018	4.376504	4.363683	4.692271	4.427944	4.654796	4.407657	4.288735
CXCL8	11.300395	9.6259005	8.9762185	8.360124	3.3911535	5.1994485	3.9802545	3.5759555	11.579425	5.033585	9.968427	4.85063
A2MP1	4.389517	4.640852	4.448428	4.419333	4.580314	4.295974	4.747786	4.627263	4.352633	4.188777	4.493465	4.36639
AADACP1	2.998615	2.559151	2.859426	2.94545	2.859368	2.801098	2.672447	2.73374	3.060862	2.814672	3.081411	2.796492
ACKR1	4.054325	4.589668	4.104736	4.643339	4.796669	4.275209	4.462648	4.546147	4.401466	4.580817	4.335264	3.80437
ACKR2	4.274433	4.2747855	4.456916	4.8071	4.542821	4.3270395	4.320022	4.4793665	4.4206395	4.2069135	4.4894055	4.4242775
ACKR4	7.859245	7.307081	8.922928	7.360319	3.06632	3.523217	2.636783	3.080138	4.867481	3.220259	3.487487	3.171563
ACTA2-AS1	4.597959	4.863301	4.699598	4.513686	4.722824	4.537485	4.683653	4.609417	4.565903	4.438878	4.618427	4.575633
ADAMTS9-AS1	3.4390505	3.444006	3.8277365	3.409121	3.276292	3.435495	3.677955	3.656558	3.529056	3.484069	3.743453	3.504069
ADD3-AS1	3.67788	3.873424	3.722301	3.848511	5.717849	4.906312	6.694812	5.964512	3.831656	5.223216	5.230048	5.442943
ADIRF	9.402607	9.745328	9.490583	10.29818	6.561778	9.582465	4.62135	6.618151	4.69354	4.906056	5.3159	4.518677
ADM5	4.612799	4.846055	4.748229	4.686541	5.007129	4.409116	4.668004	4.852477	4.996475	4.622074	4.499124	4.546456
ADORA2A-AS1	4.305398	4.1705975	4.3024825	4.457861	4.5056355	4.384101	4.5333445	4.516086	4.4756005	4.3796035	4.4776905	4.261626
AGAP2-AS1	7.912159	8.580692	7.564784	7.522319	7.132896	6.565545	6.710411	6.841405	6.875367	6.27235	6.988052	6.125495
AK9	4.647661	4.464467	4.313654	4.520273	5.086639	5.575386	4.448453	5.043346	5.480014	4.843376	5.32311	4.676728
AKR1C6P	5.080777	5.153365	4.700875	4.787996	4.730851	4.816445	4.494591	4.976662	4.620265	4.57681	4.691766	4.424433
ALKBH3-AS1	3.6673625	4.001925	3.501539	3.6356275	3.5576375	3.4493045	3.43419	3.444361	3.6503535	3.3993525	3.569473	3.2296395
AMER1	3.951197	4.422523	3.884884	3.788735	4.683764	4.117313	4.670438	4.563278	4.030051	4.302084	4.537817	4.154762
AMER2	2.813604	2.559118	2.759787	2.55081	2.654347	2.635466	2.762558	2.822746	2.618263	2.914704	2.851114	2.808319
AMER3	4.467864	4.910977	4.786995	4.738378	4.811083	4.812013	4.473551	4.587228	4.73823	4.149043	4.748697	4.408641
ANKEF1	3.6251105	3.8306435	3.5041385	3.5190035	3.6439245	5.2965465	4.3946935	3.9725215	3.740857	4.355599	4.5792405	4.0158795
ANKRD30BP3	3.265274	3.425223	3.386244	3.336512	2.990436	2.926047	3.007059	3.089708	3.016604	2.747468	3.10746	2.937034
ANKRD44-IT1	2.27235	2.381335	2.975946	2.427989	2.365501	2.258566	2.366451	2.476719	2.373291	2.41323	2.58146	2.385324
AOC1	3.488687	3.863364	3.38873	3.455973	3.262259	3.397351	3.495935	3.274436	3.610175	3.149244	3.650476	3.36301
AOC4P	4.759514	5.275723	4.68608	5.361672	5.012291	4.696307	4.782485	4.842652	4.822389	4.628808	4.794093	4.814866
APELA	2.919408	2.747111	2.978787	2.732982	3.122406	2.707678	9.251881	3.349696	2.619972	8.527207	2.802855	8.291077
APTR	5.3421505	5.15362	5.51401	5.1519255	5.4103485	5.1893975	5.4555585	5.2684145	5.677156	5.199254	5.3281955	5.208974

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
AQP4-AS1	2.724984	2.8411585	2.734841	2.818155	2.9237045	3.2060575	2.8933605	2.937161	2.9822805	3.062746	2.82871	3.0992905
ARIH2OS	3.716332	3.618861	3.355291	4.367643	4.311507	4.114353	4.268359	4.225212	5.895779	4.785048	4.828237	4.982101
ARPIN	5.3864355	5.589925	5.439454	5.2934805	5.1944435	5.032572	5.2537505	5.2113285	5.207682	5.099436	5.1612355	5.2149895
ARRDC1-AS1	6.37844	6.463765	6.303979	6.271712	6.480016	6.062595	6.550381	6.581711	6.558025	6.518175	6.342317	6.590922
ATP11A-AS1	2.553781	2.366704	2.582662	2.676522	2.285179	2.277244	2.350447	2.418452	2.328833	2.289529	2.555988	2.413557
ATP1A1-AS1	5.186423	5.2891315	5.0650645	5.166642	5.3302485	5.1858535	5.0931805	5.531526	4.8800935	5.054217	5.3125555	5.1814725
AZIN2	6.0050535	6.4155865	5.8117955	6.209066	7.297122	6.524855	5.9363935	7.1726845	6.386264	6.27134	7.429403	6.187625
BCO1	2.889479	2.961297	3.266159	3.262455	3.281025	3.211318	3.450929	3.488149	3.371631	3.281025	3.493498	3.190868
BFSP2-AS1	3.33431	3.5068815	3.5395945	3.549262	3.5127215	3.4697595	3.647541	3.821069	3.4697765	3.549244	3.693387	3.282861
BIN3-IT1	4.839448	4.968366	4.985491	4.878791	4.946564	4.557223	4.818151	4.740934	4.711201	4.832865	5.042022	4.467762
BRICD5	4.519602	5.562303	4.706364	5.040454	4.78736	4.482121	4.691142	4.732929	4.930207	4.877792	5.06552	4.686545
BRINP1	4.299706	4.082598	3.7674735	4.531341	4.885102	5.1762415	4.9520285	4.7523195	4.1483555	6.0985045	4.6667495	5.4114585
BRINP2	3.981915	4.150876	4.330887	4.159505	4.444374	4.497856	5.943363	4.604862	4.475652	4.460433	4.226441	5.174839
C10orf71-AS1	3.517476	3.895498	3.523445	3.621097	3.683413	3.761801	3.748708	3.621596	3.684998	3.54409	3.720086	3.565093
C11orf97	4.012768	4.077383	4.182735	4.061433	4.05018	4.117039	3.869364	4.190205	4.213462	3.831298	4.421185	3.951695
C12orf80	4.196381	4.325598	4.4526035	4.2850465	4.1485605	3.959161	4.1635555	4.2166955	4.1288025	4.244634	4.3847915	4.2183215
C19orf84	6.235213	6.494884	6.231164	6.604453	6.447267	5.752666	6.315125	6.460538	6.029111	6.212036	6.102935	6.002302
C1QTNF1-AS1	4.356782	3.918723	3.756403	3.822611	4.030221	4.561121	3.487863	3.947288	3.578886	3.26087	3.623953	3.675962
C5AR2	3.277684	3.326979	3.383952	3.074964	3.027823	2.840034	2.971327	3.129034	2.993796	3.006097	5.003675	2.839177
C5orf66	5.695827	5.988593	5.883983	6.226102	6.0579	6.168175	6.072039	6.152811	5.731278	5.942656	6.068697	5.81874
CADM2-AS1	2.655595	2.348337	2.663728	2.357273	2.377656	2.374117	2.287019	2.236875	2.232985	2.502779	2.248899	2.438632
CADM3-AS1	4.476912	4.980623	4.922588	5.058089	4.989879	5.026654	4.836283	4.893508	4.97512	4.677441	5.296811	4.610924
CARS-AS1	3.676749	4.420674	3.718068	4.497373	4.708911	4.634399	4.586185	4.533095	4.717092	4.226203	4.816103	4.13276
CASC11	3.370273	3.357856	3.893722	3.720214	3.430566	3.501826	3.52282	3.598886	3.499805	3.569562	3.684791	3.479703
CASC15	3.400101	3.883661	3.845653	3.623967	3.594455	3.521344	3.5932405	3.6674385	3.498453	3.35008	3.507092	3.260662
CASC16	3.699207	3.855928	3.782757	3.816849	3.858929	3.517789	3.686198	3.745978	3.607218	3.296613	3.67307	3.52558
CASC17	3.675211	3.599771	3.734123	3.606439	3.547075	3.455836	3.664053	3.74408	3.609246	3.51427	3.539476	3.26125
CASC18	2.948518	3.043185	3.287673	3.33635	3.388505	3.432656	3.280582	3.284454	2.94329	3.450122	3.243163	3.320297
CASC22	2.610457	2.75749	2.864789	2.679302	2.586247	2.525345	2.594159	2.485206	2.485206	2.614262	2.806762	2.586247
CASC6	3.137093	3.127579	2.954279	3.137481	3.225536	3.184334	3.222083	3.155408	3.08662	3.436307	3.203008	3.072095

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
CATIP-AS1	4.513195	4.70902	4.718286	5.10086	4.658776	4.709919	4.408771	4.832408	4.602849	4.666839	4.810597	4.704427
CCDC144CP	3.180084	2.608168	3.044161	2.706971	2.429348	2.412825	2.485832	2.470761	2.294736	2.820641	2.664779	2.814087
CCDC177	4.511526	4.296679	4.258424	4.64643	4.865266	4.831282	4.905908	4.768998	4.560411	4.217134	5.03304	4.38256
CCDC178	4.779663	4.790853	5.258308	5.16908	5.532552	5.364517	5.085617	5.842667	5.577773	5.206492	5.383688	5.388951
CCDC184	4.871519	4.362461	4.97917	4.703884	5.006506	5.844071	5.049226	4.990185	4.600657	4.609299	5.971598	4.932507
CCDC185	3.090503	3.382652	2.751827	3.165508	3.324011	3.098371	3.205991	3.452419	3.126937	3.178542	3.319726	2.938411
CCDC186	5.073372	4.947992	5.015145	4.917475	6.210868	6.747455	6.833842	6.179044	6.198587	5.695125	3.936805	6.219537
CCM2L	5.442379	5.68428	5.668637	5.7465575	5.7012675	5.586696	5.478579	5.683325	5.6771785	5.518794	5.702414	5.5765375
CCNT2-AS1	3.815153	4.127452	3.945264	3.449392	3.57413	3.863363	3.712106	3.596164	3.661092	3.122678	3.619991	3.127333
CCSER1	3.196466	3.221302	3.362529	3.220042	3.255653	3.260314	3.205991	3.230816	3.191804	3.394526	3.435752	2.985379
CD81-AS1	4.809891	5.175686	4.805681	5.175045	5.048395	4.862604	4.979353	4.764668	5.084735	4.95792	4.910456	4.707757
CEBPZOS	6.712968	7.590365	6.827825	7.426089	6.34089	7.126528	6.217426	6.295706	7.188589	5.920334	6.098375	6.890507
CEMIP	9.1181685	9.045352	10.3549535	8.7741265	5.8092785	7.383209	5.74347	5.6560515	6.234861	6.20638	7.212809	5.797778
CEP131	6.079053	5.950001	5.667791	6.431156	5.721369	5.145341	6.421714	5.680593	5.797742	6.317095	5.855521	6.556245
CFAP20	9.61587	9.264946	9.309212	9.619766	9.828611	9.864759	10.7601	9.92103	10.02031	10.30568	10.32419	10.3127
CFAP221	3.8801015	3.978287	3.9240495	3.862486	3.987939	3.921255	3.7638845	3.9154275	3.890647	3.742187	3.9584835	3.6122485
CFAP36	8.945463	8.993937	9.323621	8.819264	8.758374	8.859529	8.597494	8.833654	8.396033	8.343155	8.930551	8.418875
CFAP43	2.854996	2.8997725	2.822688	2.822208	2.939828	2.939348	2.7634565	2.864809	2.7789395	2.8196435	3.187643	2.8719225
CFAP44	4.790566	3.8484445	4.537886	4.1875845	4.9121475	3.8685475	4.110525	5.105868	4.419274	5.6888645	4.3784135	5.884951
CFAP45	5.624437	5.724962	5.717552	5.637393	5.72777	5.708976	5.794831	5.767224	5.475913	5.562621	5.700294	5.054781
CFAP46	4.349133	4.199297	4.078618	4.509007	5.438131	4.37095	5.00877	5.317682	3.594179	4.700645	4.887083	4.186334
CFAP53	2.920611	3.2276225	3.6001515	3.249837	3.2739435	3.205979	3.095378	3.1655305	3.1913805	3.126122	3.5499175	3.0979285
CFAP54	3.038498	2.718337	2.962735	2.819774	2.594858	2.521435	2.429912	2.714009	2.491858	2.470797	2.645497	2.557216
CFAP57	3.496653	3.683231	3.608799	3.827693	3.44271	3.549869	3.482291	3.559137	3.494641	3.717549	3.887919	4.138795
CFAP58	4.5189835	4.700107	4.771635	4.255286	4.2214665	6.249065	4.213163	4.4335685	4.2689675	4.8752495	3.787411	5.2400555
CFAP61	3.184512	3.399413	3.179033	3.211149	3.228359	3.20143	2.968802	3.487638	3.179107	2.981918	3.156399	3.060139
CFAP69	6.7009885	5.8675425	7.941246	5.7857055	5.118186	5.012222	4.859272	5.0940935	5.172096	5.5125365	5.31844	5.2248455
CFAP70	3.235058	3.225543	3.411994	3.283867	3.447014	4.541782	3.793159	3.561607	4.570994	5.375141	5.358011	5.49426
CFAP74	4.4084415	4.4853145	4.3719515	4.5353315	4.617042	4.607638	4.4675215	4.645142	4.606079	4.1968615	4.239415	4.3275725
CFAP97	4.2015855	3.99223	4.208953	4.2668725	4.599262	5.002188	4.5837825	4.298364	4.676212	4.386918	4.3359945	4.83134

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
CFAP99	3.745636	3.867275	3.790146	3.726305	3.954801	3.906807	3.83262	4.026764	3.888695	3.419676	4.149162	3.320991
CHIAP2	2.869383	2.911388	2.898193	2.822288	3.044126	2.868842	2.713222	2.777485	2.928732	2.867662	2.804053	2.964017
CHL1-AS1	3.206619	3.32975	3.351044	3.263721	3.228822	3.135891	3.221942	3.249195	3.2127	3.224343	3.437338	3.202205
CIART	6.929984	7.471949	8.310507	6.361855	5.924074	5.443151	5.884969	6.010226	7.464723	4.949401	5.621823	5.814912
CLIP1-AS1	3.910007	4.064951	3.605001	3.385148	3.599834	3.399522	3.216624	3.202964	3.650333	3.162428	3.457455	3.506493
CLSTN2-AS1	3.820131	4.069106	4.099545	4.200666	4.269771	3.915389	4.006415	4.153233	4.069106	3.865141	4.24629	3.776832
CLUHP3	5.443549	5.434418	5.2674845	4.8951045	5.371005	5.13095	5.344841	5.390793	5.2216865	5.8069295	5.683993	5.9473685
CLYBL-AS2	3.175782	3.265178	3.174299	3.117425	3.175782	3.1343	3.087553	3.303279	3.270535	3.217264	3.27094	3.024831
CNBD2	4.407759	4.2911135	4.4547495	4.3221985	4.2764945	4.263513	4.0958105	4.126479	4.280828	4.021843	4.519911	4.1640625
CNTFR-AS1	4.081968	4.256291	3.900518	3.900257	4.163279	3.866278	3.676057	4.072515	3.935936	3.900518	3.874098	3.995398
COLCA2	3.54105	3.463855	3.885795	3.461253	3.972489	4.091503	4.167689	4.082636	4.051368	5.107492	4.261299	5.622725
COLGALT2	5.430184	5.2986195	5.4425685	5.363512	4.6248995	5.2583455	4.8295215	4.738571	5.6150425	5.7231425	5.132732	6.0523445
CPTP	7.378157	7.689175	7.447082	7.65019	7.162929	8.201061	7.500824	7.264918	7.194468	7.250297	7.548684	7.387144
CRACR2A	4.361001	4.486249	4.651201	4.498334	4.202158	3.976104	4.533266	4.326951	4.136665	3.795826	4.455812	3.733542
CRACR2B	5.549964	5.515797	5.757405	5.753397	5.18174	5.504004	5.157369	5.069105	4.764651	5.029685	4.565814	4.197129
CSMD2-AS1	5.105897	5.286568	5.321722	5.2335	5.362814	5.27219	5.328849	5.445908	5.206947	4.84382	5.181246	4.850764
CT55	4.403758	4.738039	4.031721	4.217339	4.274316	4.069106	3.777681	4.188777	4.100229	3.963748	4.217339	4.131987
CT83	3.173547	3.551894	3.021303	3.025036	2.937155	2.908138	3.02096	3.144656	3.146642	2.841423	3.099784	2.747956
CTBP1-AS	4.271562	4.477091	4.067046	4.329367	3.89696	4.00657	4.000987	4.385496	3.935692	3.980918	4.347252	4.063314
CTD-2194D22.4	2.687331	2.684983	2.763472	2.720713	2.683312	2.78602	2.620211	2.798244	2.728618	2.661596	2.720713	2.763472
CTD-2297D10.2	3.847648	4.355568	3.766026	4.18811	3.717012	3.649124	3.964106	3.852298	3.953405	3.795651	3.817849	3.585028
CTD-3080P12.3	2.771327	2.974506	2.647399	2.755616	2.639645	2.817258	2.507978	2.778679	2.536475	2.715919	2.619377	2.569351
CYP2B7P	5.114369	4.755361	5.049777	5.111529	5.403101	4.970968	5.256257	5.498278	5.290181	4.987457	5.328429	4.867628
CYP51A1-AS1	3.100729	2.903098	3.12161	2.848925	2.737891	2.749401	2.711282	2.815799	2.85179	2.690912	2.398817	2.577276
CYSRT1	5.889985	6.344676	6.219337	6.140177	6.490046	6.282312	6.106716	6.357921	6.083742	5.762269	6.147749	5.672908
DAB1-AS1	2.640913	2.976757	2.656059	2.744763	2.737679	2.549655	2.892992	2.656059	2.678817	2.595658	2.683925	2.539929
DAW1	4.484754	3.296649	3.449642	5.838424	3.077336	3.205991	3.076634	3.076634	4.34193	2.704052	3.342692	2.853363
DDC-AS1	3.854517	3.753192	4.092122	3.682425	4.06861	4.067891	3.920757	4.079026	3.904905	3.909782	3.863363	3.682511
DDIAS	7.212964	6.34613	6.452993	7.361085	6.942384	4.86418	7.755074	6.794378	6.137237	6.40064	5.023125	6.32942
DDX11-AS1	2.701732	2.670022	2.708736	2.743084	2.602996	2.965707	2.942068	2.76543	2.968313	2.554978	2.753227	2.664841

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
DENND6B	4.671261	5.175336	5.339807	4.82379	4.701264	4.790864	4.456055	4.955246	4.665708	4.254375	4.786768	4.300041
DEPDC1-AS1	2.723215	2.882503	3.021456	3.780614	3.275177	2.649954	4.55824	3.147569	2.743676	2.813046	2.893186	3.087619
DLG5-AS1	4.722581	4.818411	4.764025	4.9492665	4.687661	4.526684	4.7050585	4.7891695	4.618802	4.4267425	4.8938015	4.6352325
DLGAP2-AS1	4.32349	4.266573	3.975791	4.266769	4.390144	4.133589	4.097907	4.517538	4.175817	4.111139	4.159838	3.98648
DLGAP4-AS1	4.993146	5.116492	5.259578	5.420905	5.205813	5.031134	4.947414	5.162261	4.958511	4.663352	4.899389	5.054781
DMTN	4.419527	4.848355	4.912413	5.187443	4.491791	4.370926	4.331133	4.678516	4.32819	4.203541	4.278589	4.240948
DNAH17-AS1	4.679632	4.801579	4.545407	4.738447	4.79228	4.363327	4.590835	4.79379	4.539987	4.353578	4.575943	4.620265
DOCK4-AS1	2.993536	3.058716	3.097431	3.180129	3.15934	2.980528	2.998976	2.750468	3.178123	2.853426	3.181242	3.156791
DPP10-AS1	3.614649	3.890249	3.73122	3.979189	3.77791	3.773838	3.694297	3.903312	4.059647	3.740734	3.924783	3.442657
DRC1	5.282768	5.366486	5.203384	5.264702	5.198117	4.945961	5.371674	5.319621	5.221969	5.085789	5.403258	4.955169
DRC7	5.388311	5.227745	4.862604	5.341729	5.185871	5.061718	5.113049	5.206773	5.036134	4.744529	5.149504	4.652668
DRICH1	5.470447	5.3204915	5.6667345	5.329797	5.385378	5.313084	5.272226	5.377703	5.3804225	5.3159945	5.4510645	5.2360395
EDNRB-AS1	3.007344	3.405348	3.29755	3.713716	3.435938	3.379908	2.978965	3.137463	3.216842	2.757197	2.864469	2.817288
EFCC1	3.5820295	3.9757745	3.899263	4.2820775	3.9175785	3.8300745	3.8929255	4.097132	3.6676965	3.8935655	3.9770325	3.9767185
EIF1B-AS1	5.401622	5.568383	5.369285	5.72613	5.405645	5.107493	5.488974	5.539876	5.243722	5.37894	5.428082	5.147225
EPHA5-AS1	4.495956	4.70902	4.49688	4.713264	4.705574	4.292699	4.37347	4.740348	4.268835	4.287322	4.242514	4.290349
EQTN	2.563409	2.773351	2.922187	2.539315	2.304285	2.432623	2.618386	2.52261	2.45647	2.688233	2.624399	2.476085
ERICH3	2.3983315	2.3298425	2.536623	2.739488	2.470756	3.750819	2.877123	2.5074265	2.4568435	2.568624	2.488172	2.577807
ERICH3-AS1	5.020912	4.881845	4.693294	4.686083	4.305401	4.28576	4.29953	4.348557	4.505957	4.003158	4.661068	4.253673
ERICH4	4.478665	4.592451	4.543999	4.643114	4.648214	4.863223	4.826999	4.871143	4.768453	4.525522	4.74346	4.611534
ERICH5	2.7846055	2.793643	3.4401185	3.2060435	2.578096	2.5743055	2.4519395	2.4579375	2.7501175	2.4417965	2.538348	2.463387
ERICH6	3.514037	3.749265	4.045491	3.944773	3.922262	3.714854	3.705681	3.866517	3.868223	3.359595	3.887557	3.676641
ERV3-1	2.744572	2.480764	2.618466	2.647979	3.325444	2.547803	2.974488	3.320779	2.752337	2.818159	2.594937	2.835612
ETNPPL	3.025275	2.90153	2.87358	2.861439	3.411851	11.14863	7.321762	3.714394	2.742187	3.809695	5.954929	6.618977
EVA1C	4.216575	4.236244	4.525544	3.957166	3.48178	3.31556	3.323428	3.531937	3.521567	3.192452	3.914607	3.390798
F11-AS1	2.779254	3.176952	3.372054	3.222033	3.38062	3.533816	3.381429	3.205991	3.258707	3.301739	3.348132	3.16963
FAM155A-IT1	2.867664	2.771505	2.921682	2.764524	2.766145	2.59763	2.620068	2.936203	2.766145	3.638036	2.769058	3.270157
FAM170B-AS1	3.281586	3.573984	3.532513	3.688418	3.833141	3.548152	3.49021	3.519741	3.321095	3.237515	3.340423	3.351735
FAM209A	2.497833	2.674918	2.424497	2.540102	2.532286	2.56407	2.539638	2.651772	3.301241	2.595713	2.787784	2.56407
FAM229A	5.5481085	5.662918	5.3354835	5.3354535	5.525761	5.48099	5.5525525	5.490899	5.4692725	5.5079295	5.327952	5.3988545

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FAM230C	3.002041	2.807406	2.690053	3.154012	3.049091	2.973296	2.899516	2.796957	2.876343	2.994755	2.952486	2.858534
FAM86B3P	4.1220765	4.3010905	4.437512	3.9759235	4.240393	4.6415255	5.2873255	4.3538175	4.364698	5.2467895	4.5510245	3.870149
FAM95A	4.814135	4.804673	4.434396	4.418295	4.267918	4.418304	4.343044	4.275539	4.385855	4.057957	4.131047	4.362323
FANCD2OS	5.065818	5.334388	5.717682	5.535178	5.18166	5.003948	5.172865	5.249916	5.099506	5.199042	5.010908	5.155691
FAR2P2	4.806838	4.391595	4.562213	4.58518	5.295886	6.491792	4.893261	4.937717	5.830443	6.247471	6.447457	6.377086
FAS-AS1	3.214551	3.225893	3.120475	3.254965	3.277559	3.317626	3.165547	3.267566	3.528504	3.440334	3.386963	3.389092
FAXDC2	6.934885	6.649611	6.149594	6.45155	6.523619	5.852044	5.928762	6.498761	6.205266	5.836876	5.567986	5.590174
FDPSP2	3.840542	3.614484	3.186094	3.746346	3.896908	3.520839	3.653731	3.913852	3.47107	3.536565	3.55664	3.834929
FENDRR	4.488289	4.672897	4.5639985	4.589221	4.4850385	4.433281	4.466891	4.3391735	4.290016	4.3037665	4.3479545	4.218949
FFAR4	2.863785	2.935925	2.869978	2.738959	2.771269	2.931014	2.879664	2.913005	2.869978	2.861168	3.068936	3.015636
FGF10-AS1	4.294824	4.278408	4.180045	4.214157	4.251613	4.279379	4.287262	4.34193	4.287102	4.287102	4.386798	4.222719
FIRRE	3.696969	3.770672	3.92661	3.767061	3.82319	3.893718	3.951562	3.968374	4.02282	3.79896	3.93941	4.507882
FOXP1-IT1	4.819114	4.858255	4.705634	4.444622	4.460061	4.32995	4.481072	4.339041	4.634066	5.375818	5.014456	6.297954
FTCDNL1	3.9308235	3.643384	3.7298745	3.741525	3.989985	3.9841235	3.895857	4.2446305	4.765639	3.8300245	4.8726505	3.7231555
FZD10-AS1	4.651407	4.493202	4.5927685	4.287659	4.242627	4.181025	3.9537995	4.290497	4.3936955	4.0465305	4.425251	4.0492615
GALNT15	7.317416	7.700916	7.223866	7.31554	3.975548	3.704766	3.321381	4.273405	4.675418	3.408654	3.180875	3.296339
GALNT16	4.272516	4.764668	4.093445	4.331057	4.104533	4.065659	4.055001	4.248826	5.590826	5.394446	4.631649	4.285607
GALNT18	5.005414	4.960499	5.0229725	4.971704	5.265248	6.0376355	6.160984	5.196777	4.5477035	5.736732	5.630261	6.176661
GAS5-AS1	4.122857	4.38211	3.916622	3.988595	3.768189	3.539285	3.574768	3.663328	3.417055	3.542965	3.529239	3.447014
GATA2-AS1	4.673216	4.895486	5.013896	5.410644	5.366891	4.946911	4.96278	5.619224	4.538598	4.865178	4.954922	4.807003
GATA3-AS1	3.616096	3.951176	3.788914	3.6344695	3.9414495	3.3942535	3.5318165	3.606089	3.683055	3.481304	3.776225	3.444685
GATA6-AS1	5.247216	5.831377	5.267642	5.777664	4.599315	4.523315	4.531916	4.734823	5.054675	4.172074	4.95913	4.275561
GATB	6.193385	6.255306	6.004687	6.2087385	6.5789635	6.604759	6.369209	6.526234	6.3467285	6.040682	6.782127	6.059965
GGACT	4.911105	4.7346075	4.6762815	4.8641685	4.436862	4.4948985	4.210275	4.524203	4.665735	4.245477	4.9712715	4.3940385
GNA14-AS1	3.956714	4.14721	3.685798	4.114353	3.383296	3.366518	3.526191	3.334296	3.479181	3.114266	3.495355	2.739062
GOLGA2P10	5.8411535	6.0708005	5.875905	5.9850935	6.285501	6.0990785	6.227385	6.375775	6.555087	7.3418335	6.8051175	7.4329895
GPER1	5.735452	5.695416	5.627483	6.4121305	6.9551565	7.1848285	5.453728	7.114679	5.9782265	4.0740815	5.086544	4.0677295
GS1-24F4.2	2.926317	2.710746	2.859014	2.631353	2.463518	2.74225	2.711187	2.72081	2.5845	2.606638	2.700185	2.765513
GS1-279B7.1	4.327958	4.397675	4.443151	4.58722	4.55817	4.429515	4.524619	4.687164	4.518548	4.58722	4.362254	4.36054
GS1-600G8.3	3.084858	3.022833	3.001078	2.92763	2.873978	3.138562	3.05766	2.960854	2.959125	2.859426	3.158024	2.902841

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GSAP	5.3225725	5.205477	6.2178475	4.9138295	3.4731725	3.619649	4.544716	3.821866	7.39764	4.539851	4.909712	3.7993795
GTF3C2-AS1	4.4405545	4.4387285	3.996758	4.158842	4.2259475	4.057099	4.0846085	4.081535	4.064107	3.9752185	4.1967385	3.9174165
GVQW1	5.63181	5.538344	5.538567	5.365026	4.332664	4.225677	4.29346	4.58334	4.573251	4.211344	4.304933	3.985794
HAGLR	4.430815	4.957411	4.830777	4.935965	4.292644	3.984152	4.24621	4.050971	4.078941	4.254411	4.225425	4.126714
HCCAT5	4.852901	5.310202	5.388734	5.30447	5.409178	5.319428	5.271893	5.57212	5.34938	5.159863	5.592452	5.00417
HEATR9	3.621962	3.708756	3.808035	3.673671	3.666362	3.730456	3.659051	4.2555	3.564266	3.534433	3.875453	3.659051
HGH1	6.994557	7.172314	7.1238275	7.2693325	7.256034	7.1511045	7.5759875	7.121048	6.9927855	7.357842	7.100765	7.2770385
HID1	4.4233615	4.663084	4.354638	4.408126	4.508065	4.4215425	4.4679065	4.6353855	4.3536365	4.11499	4.497651	4.215796
HIPK1-AS1	2.634546	2.7048205	2.5728275	2.5311315	2.536302	2.438861	2.469286	2.4592465	2.461286	2.5564745	2.464569	2.5143115
HMGN3-AS1	3.138321	2.958316	3.0378825	3.434992	3.5154315	3.3642635	3.472564	3.5813985	3.745485	3.5290555	3.2942185	3.525259
HOXA-AS3	4.396521	4.867844	4.862604	4.69477	4.64883	4.716466	4.576065	4.436744	4.750364	4.454925	4.873162	4.268929
HOXC-AS3	4.760529	4.804173	4.76964	4.637344	5.10159	4.783046	4.999367	5.108931	4.823328	5.078794	4.943201	4.64057
HYKK	4.502239	4.55359	4.598279	4.28488	5.036007	4.937515	4.896188	5.157477	5.132465	4.906767	5.308011	5.175457
HYPM	4.719582	5.289237	5.238797	5.115926	4.681473	5.095933	4.685315	4.85524	4.808214	4.540511	4.965248	4.449591
ICE1	7.1089915	6.81296	7.2223575	7.0269095	7.1820985	7.310013	7.510226	7.148757	7.2437845	7.634095	7.1480215	7.54775
ICE2	6.559162	6.1722685	6.238089	5.6709035	7.1156635	7.1750415	6.9637935	7.080242	6.72891	6.2244895	6.1277845	6.465293
IFNL1	4.053679	4.453286	3.851978	4.033515	3.934621	3.752432	3.785793	3.959887	3.69775	3.819412	3.990951	3.781627
IFNL2	4.012665	4.334226	4.196988	4.681763	4.108735	3.685399	3.980403	4.221991	3.825667	3.857312	4.076577	3.728636
IFNLR1	4.879723	4.8519145	4.8145025	4.969403	4.614855	4.7703295	4.7116575	4.7348665	4.995103	4.4266775	4.558098	4.5080495
IGFBP7-AS1	2.449809	2.399333	2.409472	2.590089	2.283131	2.341034	2.254365	2.469829	2.54809	2.553048	2.600739	2.385875
IGK	4.316311	4.818151	4.640672	4.634066	4.631981	4.478065	4.629214	4.616773	4.504967	4.270871	4.620265	4.273623
IL12A-AS1	3.647891	3.745704	3.902365	3.467365	3.614649	3.718277	3.38178	3.578372	3.49173	3.526552	3.515006	3.182736
INAFM1	8.509065	8.755271	8.103813	7.894326	8.375756	6.080369	7.029745	8.070037	7.267486	8.328173	7.281254	7.552667
INAFM2	6.905978	6.9463055	8.0956045	7.7113635	7.182809	7.9073765	6.705433	7.054166	7.4263775	6.649355	7.5033535	6.472379
ITGA9-AS1	4.189759	3.943722	4.39327	4.014512	3.625449	3.529089	4.048613	3.479114	3.773998	4.649497	3.710661	4.622766
ITPKB-IT1	5.836281	5.932298	6.025479	5.628114	5.340382	5.279268	5.356344	5.487513	5.261843	5.467335	5.355752	5.514002
KCNIP2-AS1	5.725336	5.631809	5.536385	5.36607	5.079857	5.297781	5.244763	5.036891	5.174839	5.213425	5.281198	5.285615
KCNMA1-AS1	4.5221	4.557169	4.732653	4.652202	4.489782	4.235614	4.302356	4.628258	4.657711	4.279821	4.498163	4.21318
KDF1	3.358387	3.649868	3.629838	3.512589	3.915346	3.691677	3.848637	3.809659	3.683942	3.819202	3.86012	3.289877
KIF9-AS1	5.90889	6.67212	6.526415	6.010615	5.934697	5.917264	5.770976	5.900129	6.022483	5.921188	5.994536	5.771638

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KIZ-AS1	2.703193	2.666664	2.9680315	2.901209	2.920508	2.943506	2.8496665	2.9379835	2.8346215	2.797125	3.001303	2.986883
KLF3-AS1	4.7268195	4.604802	5.311848	4.4731365	4.267908	4.504721	4.4884685	4.1188565	4.5506945	5.4633765	4.2279445	5.874216
KLHL40	4.333154	4.241282	3.743623	4.185292	4.340936	4.031671	4.037634	4.437059	3.976295	3.454292	3.872348	3.591569
KLHL41	3.096436	3.1646265	3.375422	3.458548	3.81317	3.393899	3.875326	3.7455955	3.283161	3.3915795	3.15355	3.399371
KMT2E-AS1	5.539177	5.1624	5.646977	5.213987	6.327696	6.101839	6.347702	5.798742	5.822761	5.781765	5.757439	5.849648
KRT17P5	4.967263	5.248242	5.37212	5.505681	5.205009	5.322189	5.253562	5.528878	5.238056	5.015482	5.596994	4.851004
KRTAP5-AS1	3.488601	3.65229	3.3475065	3.5367815	3.6821435	3.443308	3.6802545	3.507222	3.4962215	3.570238	3.700285	3.6421175
LAMTOR5-AS1	4.328617	4.36676	4.724393	4.322019	4.940176	5.639619	5.016547	5.066993	5.262874	5.213774	6.24826	5.351778
LARGE-AS1	2.4315085	2.538085	2.6211575	2.3777925	2.526416	2.6941785	2.4905885	2.458079	2.5137445	2.8557915	2.5046055	2.5222
LBX1-AS1	4.570074	4.44652	4.215267	4.678989	6.409833	7.978936	8.511442	6.579106	4.856634	7.218934	7.956435	8.507711
LDLRAD4-AS1	3.882514	4.210364	4.129304	4.4798	4.281815	4.114353	4.16769	4.401034	4.067335	4.169097	4.122149	4.180839
LHX4-AS1	4.993485	4.371026	4.538833	4.410205	4.854827	5.174839	5.06046	4.714758	5.152826	5.792689	5.062737	5.776385
LINC00265	3.9405095	4.004705	3.9187455	4.4018975	4.623291	4.1900835	4.657472	4.6441005	4.047104	4.3273535	4.730757	4.154273
LINC00266-1	3.97355	3.888848	3.824257	3.490321	3.842437	4.002069	3.963349	3.605955	3.692111	4.036241	4.051334	5.01635
LINC00298	2.779791	2.958586	2.859426	2.899369	2.878877	3.183333	3.032604	2.901581	2.962085	2.916822	2.772106	2.958773
LINC00348	2.955087	2.585457	2.957637	2.708736	2.747577	2.709494	2.771917	2.761663	2.71793	3.060508	2.76678	2.834748
LINC00354	3.507951	3.560893	3.564926	3.5058345	3.499365	3.555628	3.804315	3.7063455	3.584905	3.5875435	3.7438445	3.4904785
LINC00358	2.410026	2.329467	2.587854	2.170406	2.389871	2.416129	2.587854	2.431977	2.368713	2.299501	2.295432	2.66015
LINC00382	3.174173	3.466571	3.769594	3.283495	3.205991	3.59915	3.221966	3.43716	3.279274	3.427438	3.317969	3.16987
LINC00408	3.716847	3.955476	3.8626095	3.7597835	3.8907785	3.7096895	3.741369	3.887997	3.5955895	3.4406455	3.615049	3.6333065
LINC00544	3.657697	3.796064	3.447926	3.904115	4.101465	4.124337	4.026893	4.195349	3.795707	3.498363	3.904026	3.58746
LINC00595	5.582653	4.960545	5.188706	5.454922	4.871299	6.316392	4.462494	5.034122	4.585026	4.987427	5.094623	4.213192
LINC00632	2.558628	2.758217	3.026876	2.852141	2.867926	2.749229	2.66478	2.926986	2.762775	2.770346	2.747111	2.743179
LINC00664	2.685509	2.763475	2.700087	2.662211	3.328249	2.846738	2.849292	3.385854	2.795222	3.161328	2.925789	2.871147
LINC00685	5.288875	5.031988	5.425047	5.206539	5.649951	5.499044	5.373179	5.357012	6.280534	6.184004	5.535024	5.952596
LINC00687	4.288522	4.611904	4.450008	4.491054	4.266343	4.880368	4.504199	4.62886	4.402563	4.276685	4.374377	4.234541
LINC00689	4.158267	4.479328	4.247356	4.743323	4.40606	4.309646	4.322033	4.51535	4.275476	4.220366	4.53065	4.171617
LINC00690	2.711316	2.604869	2.6846585	2.6293295	2.6846785	2.6958425	2.7010145	2.683575	2.7264685	2.667069	2.6903625	2.7485125
LINC00691	2.833354	2.780749	3.108447	2.71325	2.976132	2.977081	3.189526	3.145318	2.87096	3.078451	3.110921	2.967682
LINC00692	2.5766575	2.5314465	2.7982925	2.4031035	2.4851595	2.4911745	2.3886005	2.4370725	2.33126	2.381726	2.578748	2.412571

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
LINC00698	3.804198	3.876001	4.080367	4.079213	4.105079	4.236667	4.443847	4.082424	4.015336	4.38045	4.703265	7.511725
LINC00700	2.769534	2.906498	2.874043	2.771162	2.839471	2.723215	2.805054	2.820744	3.015754	2.868567	2.928817	2.769534
LINC00702	4.459109	4.256156	4.068431	4.893439	3.264772	3.26349	3.0760825	3.192759	3.119059	3.2611095	4.5248915	3.2199405
LINC00703	3.415116	3.493726	3.318603	3.565093	3.809667	3.855707	3.7195	3.776663	3.63216	3.372053	3.666151	3.359251
LINC00705	5.568656	5.339124	5.008258	5.653463	5.483505	5.625498	5.620492	5.830449	5.459693	4.878265	5.532179	5.04908
LINC00708	3.372054	3.429101	3.270237	3.163361	2.865049	2.724468	2.869511	3.019473	2.864737	2.658671	3.07532	2.876363
LINC00710	2.655818	2.807603	2.982872	3.252876	2.817134	2.870968	2.968889	2.942614	2.787693	2.797481	2.866131	2.807603
LINC00837	2.659884	2.410222	2.548792	2.417588	2.613654	2.570223	2.27293	2.49913	2.591834	2.510582	2.623512	2.469828
LINC00838	3.337438	3.521635	3.369631	3.706546	3.441489	3.680648	3.74516	3.421241	3.394599	3.683773	3.558433	4.854526
LINC00839	4.919951	5.780574	5.883043	5.985104	5.531979	4.668682	4.615626	5.406567	6.603176	5.610708	7.372863	4.695129
LINC00841	4.030066	3.825208	3.807609	3.835911	3.900519	3.923015	3.887418	4.188777	4.104735	3.809737	3.812442	3.45869
LINC00844	2.764439	2.526721	2.700023	2.710854	2.564526	2.630234	2.667434	2.608704	2.698255	2.709538	2.691978	2.632801
LINC00845	3.424882	3.332595	3.545652	3.340722	3.84248	3.601279	3.605206	3.658862	3.660069	4.131547	3.441606	3.624993
LINC00851	5.105394	5.076866	5.33132	5.299169	5.497649	5.112798	5.210746	5.291863	5.238159	5.427845	5.521744	5.244688
LINC00852	4.574905	4.077309	4.353925	4.403408	4.451437	4.535529	4.373956	4.536847	4.376292	3.994249	4.228712	4.184065
LINC00853	3.033	3.690849	3.276462	3.403585	3.194075	3.110978	3.099087	3.076561	3.081401	3.154632	3.31763	3.260406
LINC00856	4.7119085	4.482438	4.1224805	4.529005	4.2307775	3.890644	4.182409	4.239753	4.1574255	4.04461	4.294609	4.0353475
LINC00857	4.856232	4.97479	4.393634	5.179931	5.36326	7.3251	5.239833	5.453457	5.023027	4.603921	4.906748	4.643978
LINC00858	3.179738	3.566351	3.607378	3.438734	3.438734	3.593138	3.70904	3.572335	3.430161	3.265178	3.468969	3.275425
LINC00862	3.817642	4.010026	4.2267	3.300256	2.820135	2.865939	2.790046	2.857862	3.075392	2.795899	3.017748	2.747111
LINC00865	4.172065	4.255804	4.148703	4.095505	4.275896	3.876418	3.843144	4.54444	5.00434	4.097745	4.078781	4.35529
LINC00870	3.320435	3.711843	3.547713	3.684898	3.61685	3.563454	3.351045	3.777931	3.487696	3.5028	3.6321	3.458162
LINC00877	3.338537	3.288846	3.687063	3.588471	3.766767	3.709049	3.572142	3.752932	3.598874	3.217993	3.84277	3.229338
LINC00879	3.605411	3.388951	3.585916	3.447014	3.606999	3.215139	3.453157	3.863767	3.732128	2.999836	3.323129	3.032702
LINC00880	4.522264	4.70353	4.604187	4.759336	4.479407	4.171258	4.60765	4.16555	4.249297	4.289617	4.172674	3.998068
LINC00881	3.895803	4.035352	4.143898	4.317466	4.100723	3.979838	4.079836	4.278649	3.922266	3.739761	3.967208	3.86174
LINC00882	3.457417	3.427101	3.53803	3.402265	3.574056	3.682313	3.369665	3.49499	3.718007	3.372054	3.61194	3.823145
LINC00884	4.836362	4.950793	4.916086	5.1511015	5.2290525	4.872176	4.893085	5.051611	5.0940625	4.7837295	4.9232845	4.653217
LINC00886	5.524652	5.253239	5.550464	5.790078	6.092754	6.016335	5.704443	6.218598	5.957987	4.566703	5.688227	5.258564
LINC00887	2.798448	2.841121	2.798301	2.799556	2.809447	2.865566	2.734576	2.904741	3.217378	2.901121	2.798301	2.371774

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
LINC00889	2.577889	2.361551	2.605019	2.521044	2.601665	2.595997	2.469828	2.61563	2.560508	3.941428	2.711238	2.526898
LINC00892	2.585111	3.031402	3.132702	2.715785	3.004392	2.990692	2.810806	3.143346	2.807563	2.972132	3.355557	3.045546
LINC00893	3.036288	2.704826	2.819558	2.365806	2.363121	2.383173	2.250319	2.263161	2.344173	2.3321	2.39471	2.571424
LINC00894	3.718025	4.0372485	4.0574245	3.907911	3.9251495	3.6555965	3.6287865	3.913289	3.923386	4.5477825	4.126796	4.46465
LINC00895	2.82471	3.122955	2.714931	2.723801	2.71696	2.620057	2.623911	2.601743	2.785985	2.650763	2.469972	2.560789
LINC00896	4.656783	4.816918	4.913167	4.876962	4.917675	4.678516	4.84204	4.592452	4.705799	4.106067	4.536388	4.682222
LINC00899	4.855871	5.003063	4.6371685	4.852483	5.1442385	4.836747	4.136505	4.9244745	4.896718	4.137153	5.200623	4.560904
LINC00900	3.4256775	3.4013005	3.6057675	3.4733445	3.316166	3.4225745	3.6282715	3.3752325	3.7390655	3.1778735	3.84639	3.2078095
LINC00901	2.990237	2.967328	2.809844	3.031066	2.88371	2.620916	2.415955	2.822249	2.773082	2.531164	2.794435	2.637837
LINC00905	4.760528	4.670681	4.994105	5.033967	5.503112	5.378324	5.559098	5.09464	5.062885	4.982265	5.190451	5.138498
LINC00906	5.117496	5.132257	4.902792	5.038267	4.895804	4.621924	4.579363	4.99578	4.747173	4.682887	4.87163	4.851503
LINC00908	4.572945	4.483908	4.489782	4.851396	4.170323	4.162241	4.372524	4.403131	3.964795	4.097746	4.37064	4.416391
LINC00910	3.380637	3.8159235	3.619176	3.6528055	3.9323365	3.5723125	3.4280675	3.910936	3.7437195	3.7371115	3.5394275	3.66708
LINC00911	4.013025	4.411176	4.588697	4.233928	4.096749	5.63181	4.198359	4.134038	4.38397	3.942955	5.047885	4.427871
LINC00917	4.268929	4.533283	4.063398	4.257184	4.006968	4.011052	4.190124	4.002632	4.069408	3.419015	3.838937	3.811511
LINC00919	4.127334	4.706094	4.023646	4.305377	4.495338	4.424471	4.281425	4.435342	4.147092	4.314953	4.35798	4.167209
LINC00920	3.613837	3.961262	3.591294	4.026338	4.77395	6.304831	4.228709	4.837689	6.045352	3.936923	4.201143	3.947444
LINC00922	4.32379	4.464447	4.630326	4.504796	4.61537	4.776246	4.424332	4.449927	4.529552	4.278177	4.823366	4.022663
LINC00923	2.738439	2.936428	3.057412	3.343616	2.988589	2.975168	3.233096	3.108333	2.823443	2.862819	2.79784	2.854104
LINC00924	3.428091	3.081376	3.665377	2.941742	3.27531	3.192236	3.085407	3.381429	3.357943	3.396785	3.081576	3.197244
LINC00926	4.6142935	5.368872	5.207021	4.6831005	4.696844	4.6440615	4.3746125	4.598811	4.824318	4.8401295	4.5867785	4.9816115
LINC00927	4.106968	4.039261	4.14275	4.2787865	4.089825	3.962659	4.0115905	4.0324045	3.9667525	3.8941115	3.9512405	3.815823
LINC00928	4.809891	4.920455	4.862604	4.816052	4.838504	4.907237	4.803343	4.859766	4.84494	4.606089	4.674946	4.742397
LINC00929	4.425329	4.996182	4.366389	4.913018	4.525793	4.562307	4.732064	4.640987	4.73143	4.124084	4.653646	4.575746
LINC00930	4.813993	5.074551	4.57652	5.08018	4.52155	4.565402	4.506798	4.551172	4.53012	4.659015	4.472327	4.446589
LINC00933	3.332006	3.290833	3.546386	3.542868	3.496692	3.356042	3.421154	3.49499	3.525244	3.165002	3.472281	2.967173
LINC00934	3.6193	3.804556	3.630831	3.705098	3.586459	3.467091	3.583804	3.75852	3.430026	3.642632	3.555923	2.950873
LINC00937	4.434589	4.618774	4.35114	4.4949905	4.5298425	4.571685	4.650811	4.4360405	4.618022	4.68089	4.586464	4.9082065
LINC00939	3.190501	3.924214	3.916346	3.186997	3.153698	3.145317	3.038498	3.153897	3.820096	3.27903	3.519229	3.302029
LINC00942	4.0561805	4.128708	3.9825405	4.322274	4.228089	4.57478	4.1737785	4.206195	4.247799	3.932418	4.848444	3.8975685

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
LINC00943	3.287854	3.968205	3.469952	3.479327	3.495407	3.143326	2.98849	3.438381	3.018211	3.067525	3.210595	2.845009
LINC00944	3.2881045	3.4559905	3.338186	3.271075	3.395086	3.224167	3.2280535	3.3353535	3.3472475	3.220357	4.390125	3.1169235
LINC00950	4.357383	4.640273	4.624828	4.327165	4.711123	4.741116	4.513359	4.467224	4.466513	4.648013	4.97244	4.998232
LINC00951	5.451412	5.19993	5.297391	5.065558	5.461979	5.348471	5.155397	5.374439	5.154808	5.427921	5.291643	5.342723
LINC00954	3.824993	3.817897	4.419498	3.693594	3.792025	3.451275	3.283925	3.712224	3.997749	3.518061	3.398097	3.381467
LINC00955	2.751596	2.820327	2.830204	2.802878	2.4784	2.73874	2.742198	2.713222	2.606491	2.693258	2.694117	2.618118
LINC00958	4.123102	4.178601	4.252979	4.169618	4.773128	4.311248	4.47053	4.678654	4.449609	4.480339	4.537817	4.88803
LINC00964	3.026762	3.0668035	3.0093415	3.1628825	3.417304	3.0618925	3.2950505	3.358257	3.0931305	2.9515205	3.2845585	3.0054595
LINC00965	5.751304	5.765968	7.011191	5.790751	5.416213	5.245701	5.552116	5.088168	7.617353	6.889824	6.307663	5.317061
LINC00967	4.033577	3.702096	3.733747	3.850377	3.685143	3.72298	3.505189	3.824325	3.60419	3.653526	3.676744	3.725716
LINC00968	6.421316	5.791013	8.467385	8.8508	3.072867	3.883529	3.314645	3.447014	5.406003	3.788461	3.727617	3.768029
LINC00970	4.179627	4.428043	4.31034	4.45574	4.253674	4.177551	4.095663	4.1903	4.113513	4.130248	4.264087	4.064386
LINC00996	2.82167	2.792618	3.35677	2.751946	2.396325	2.576241	2.763525	2.74295	2.562994	3.028615	2.751946	2.706408
LINC00997	4.432715	4.493535	4.934321	4.587549	4.984437	5.463245	4.975214	5.069106	4.633378	4.943557	4.581617	4.949864
LINC01007	5.065373	5.418384	4.878408	5.387096	4.85714	4.765229	4.983775	5.225287	4.328588	4.612459	4.800303	4.997282
LINC01010	4.959527	4.693037	4.260661	4.708484	4.716572	4.706264	4.635683	4.553814	4.563004	4.16723	4.305493	4.531517
LINC01012	3.007804	2.897109	3.05205	2.914478	2.876017	2.861187	2.994252	2.942728	3.061605	3.004249	2.935148	2.75904
LINC01013	3.30861	4.053267	3.6095305	3.379447	3.465393	3.715925	3.5445285	3.6152695	3.996453	3.3484455	3.782767	3.6222335
LINC01015	5.320241	5.324183	5.159595	5.279997	5.174073	5.192337	5.2072	5.2072	5.13419	5.181191	5.223857	4.985972
LINC01016	4.4817035	4.76089	4.5132125	4.8041895	4.5545875	4.6059295	4.567926	4.6275695	4.5773705	4.4184105	4.7259835	4.541078
LINC01018	3.875615	3.793672	3.725153	3.639393	3.978951	3.547362	3.644813	4.025259	3.56692	3.407849	3.863364	3.397628
LINC01019	3.804134	3.940917	4.21009	3.953075	4.148479	3.933568	3.940917	3.822186	4.075233	3.707744	4.29125	3.686948
LINC01020	2.7601235	2.825949	2.720986	2.9214965	2.823973	2.9350985	2.6882875	2.9587805	2.7294545	2.6717425	2.774392	2.647721
LINC01023	4.568805	4.647196	4.455963	4.365134	5.158358	4.793047	5.398894	5.118649	4.425226	5.361736	4.874934	5.686001
LINC01029	3.365887	3.337336	3.064571	3.187308	3.319085	3.065698	3.064571	3.548511	3.255781	2.829198	3.10992	3.172506
LINC01049	3.906603	4.050017	3.733666	4.197267	4.026359	4.121422	3.877895	4.064512	4.058223	4.041616	4.465881	4.323849
LINC01056	5.0512555	5.2008565	4.7576335	5.0451385	4.954938	4.7229865	4.721402	4.8084905	4.6511165	4.684176	4.609793	4.5362625
LINC01082	3.975104	3.920618	3.76656	3.999348	3.794126	3.863363	3.860544	3.83408	3.719475	3.808692	3.688399	3.51433
LINC01085	2.684751	2.498929	2.745602	3.715565	2.467141	2.632058	2.490026	2.531134	2.950406	2.609803	2.729545	2.704509
LINC01087	2.343655	2.332346	2.339002	2.512072	1.976494	2.178968	2.357793	2.332346	2.126155	2.337158	2.384639	2.325475

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
LINC01088	2.800515	3.199278	2.900059	3.103279	3.108793	3.61818	3.668405	3.154768	3.172944	3.241093	3.588981	3.74853
LINC01089	6.619977	6.39474	6.240169	6.324927	6.185518	5.795697	5.889872	6.099776	6.188173	6.362787	5.737258	6.213969
LINC01093	2.669921	2.608601	2.539276	2.647315	2.585583	2.857047	2.567572	2.807961	2.805496	2.702389	2.864171	2.923115
LINC01094	3.225671	3.026702	3.373588	3.524277	3.284458	5.415172	2.756513	3.687346	4.578836	3.19542	5.666637	5.737638
LINC01095	3.021496	3.145139	3.078534	3.00312	2.921928	2.79966	2.790289	2.982816	2.790289	2.694404	3.037713	3.056523
LINC01096	3.251009	3.420912	3.196659	3.612898	4.495934	5.547678	6.296741	4.655112	4.425398	4.105101	3.592816	5.248801
LINC01097	3.313578	3.300097	3.432327	3.468543	3.107315	3.341024	3.110211	3.354225	3.400122	3.390001	3.437178	3.153013
LINC01098	2.305261	2.287168	2.363122	2.585619	2.361723	2.496671	2.608715	2.51405	2.471043	2.330282	2.618677	2.32052
LINC01101	4.703884	4.887846	4.911006	4.8708	4.675341	4.658276	4.733106	4.755448	4.700077	4.545967	4.737601	4.190556
LINC01102	3.311165	3.208583	2.965115	3.215519	3.373238	3.310705	3.338978	3.147569	3.276497	3.212562	3.381429	5.579066
LINC01104	3.433905	3.616865	3.3784	3.483498	3.693352	3.673943	3.697474	3.656365	3.584346	3.599968	3.721994	3.674928
LINC01106	3.898715	3.776887	3.636007	3.673941	3.843962	4.233008	4.880583	3.643106	3.933488	4.035313	3.718533	4.061833
LINC01107	4.523585	4.616302	4.574144	4.532363	4.582067	4.400057	4.613958	4.863261	4.541915	4.383688	4.551681	4.349314
LINC01111	4.658958	4.497691	4.887872	5.458071	4.658433	6.498354	4.681795	4.751121	5.817266	4.649989	4.682957	4.410789
LINC01114	4.337906	4.403738	4.977927	4.918556	4.933759	5.217916	5.063775	5.032577	4.831723	4.704427	5.0153	4.620265
LINC01115	3.568506	3.887723	3.668396	3.730244	3.560796	3.552808	3.503136	3.480668	3.336743	3.247318	3.667912	3.23194
LINC01118	4.853076	4.925156	4.944477	4.599329	4.723452	4.884272	5.11013	5.026261	4.8564	4.890231	4.818151	4.833863
LINC01119	9.823606	9.877647	9.375965	9.603537	5.0897	5.402803	4.754515	5.162359	5.06665	4.873495	5.37963	4.629682
LINC01120	3.355197	3.5685915	3.523234	3.8860495	3.884968	3.700544	3.6138315	3.7985035	3.699047	3.582542	3.9242745	3.290744
LINC01121	5.720978	6.178712	5.573122	5.759683	5.928762	5.907307	5.753306	5.750434	5.281962	5.375431	5.75233	5.338612
LINC01122	3.133737	2.850989	2.939228	2.9893695	3.0327955	3.028682	4.1816825	3.0680825	2.9661835	3.150526	3.138491	3.375659
LINC01126	4.355631	4.3055	4.673325	4.571113	4.291029	4.19045	4.222789	4.222789	4.427337	4.039672	4.200486	4.32446
LINC01127	3.57667	3.953405	3.274347	3.762487	3.671268	5.378324	3.781822	3.659227	3.465148	3.728757	4.565022	4.890732
LINC01133	4.976074	4.6814385	5.525346	5.205347	4.3377395	6.3884815	3.216963	4.3453965	3.972447	4.7472185	6.249018	5.036699
LINC01134	6.64019	6.710981	6.668193	6.79319	6.6891885	6.7212945	6.701264	6.6995845	6.681934	6.6268855	6.6725755	6.4054455
LINC01136	5.808067	5.997549	5.503108	5.574898	5.85903	5.586421	5.969622	5.983775	5.612297	5.69948	5.679332	5.473481
LINC01137	5.153814	4.608096	4.832678	4.534009	5.00772	5.064432	4.694777	4.901594	5.268363	4.844707	6.085751	4.980906
LINC01138	4.01978	4.06064	4.343903	4.222282	4.157566	3.970405	3.855445	3.778594	4.036855	3.866887	3.897508	3.707151
LINC01140	6.122927	5.104106	5.086828	5.434627	6.546438	4.087743	5.461814	6.066895	4.095877	3.941268	4.023192	4.01659
LINC01141	4.348829	4.304764	4.21009	4.183498	4.634066	4.591547	4.414538	4.508373	4.45021	4.423781	4.465881	4.775486

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LINC01142	3.935716	4.607075	4.555527	4.356793	4.347473	4.36639	4.589415	4.392955	4.355605	4.302953	4.546641	4.051039
LINC01144	5.69368	5.635587	5.423746	5.501807	5.183588	5.213988	5.47321	5.40858	5.213988	5.263614	5.123097	5.126234
LINC01146	2.539069	2.425269	2.424706	2.540102	2.32598	2.372024	2.290642	2.322407	2.380561	2.688085	2.375915	5.05694
LINC01159	4.767628	5.225491	4.980854	4.900257	4.725385	4.869339	5.166271	4.972154	4.896865	4.956639	5.075346	6.234235
LINC01165	3.69348	3.77985	3.595759	3.683868	3.737478	3.678384	3.563137	3.896708	3.627346	3.556535	3.823762	3.408868
LINC01169	3.202758	3.475531	3.123673	3.328324	2.744576	3.16531	3.172254	3.146125	3.053875	2.874745	3.182008	3.436189
LINC01180	4.664022	4.507158	4.310299	4.222887	4.273397	4.346054	4.530526	4.474569	4.370373	4.136642	4.411941	4.242816
LINC01181	3.783799	4.364778	4.045212	4.320683	4.397675	4.303985	4.749949	4.362811	4.38447	4.440409	4.66997	4.137683
LINC01186	3.614649	3.641539	3.497174	3.924544	4.042624	3.705911	4.163966	3.915374	3.886099	3.356885	3.596032	3.596032
LINC01187	3.305668	3.6445625	3.598092	3.2418955	3.163445	3.170586	3.2629685	3.2873405	3.3450385	2.823954	3.1674075	3.005143
LINC01191	3.444841	3.71085	3.498992	3.552813	3.670285	3.438393	3.451179	3.373468	3.340091	3.307414	3.63591	3.127616
LINC01192	3.724195	3.8608595	4.0407695	3.6181295	3.7185335	3.8318645	3.6295665	3.876987	3.729851	3.826707	3.6967	3.6255325
LINC01197	2.8242	2.87078	2.570723	2.90547	2.8242	2.732594	2.85229	3.07387	2.873482	2.792168	3.029619	2.598579
LINC01204	5.145872	4.895787	5.326009	4.994586	4.367678	4.378649	4.321418	4.15011	4.562763	4.559967	4.89732	4.180014
LINC01206	3.7675045	3.674949	3.711717	4.024484	3.819307	3.683925	3.602368	3.938125	3.7399875	3.6454725	3.7596515	3.7885035
LINC01208	5.248664	4.956783	5.251842	5.473158	4.746121	5.458117	5.224613	4.900768	4.981177	4.515473	4.723482	4.455338
LINC01209	3.663208	3.22931	3.268024	3.414457	3.205991	3.278613	3.09046	3.065827	2.798039	2.809086	3.084162	2.927045
LINC01210	3.036412	3.082307	3.030709	3.309458	3.107739	3.0244	2.860445	3.187141	3.154855	3.056147	3.226517	2.915933
LINC01220	2.659885	2.799322	2.68096	2.745983	2.712551	2.705826	2.470508	2.762558	2.920312	2.717364	2.784754	2.584393
LINC01225	4.807578	4.7876735	5.0392705	5.059925	5.122846	4.9692525	5.041951	5.0580745	4.9423195	4.649958	4.9840355	4.653764
LINC01226	4.348628	4.680291	4.737188	4.862535	4.84418	4.805729	4.953813	4.852416	5.007946	4.945458	4.773191	4.839939
LINC01227	3.06918	3.15722	3.215259	3.137481	3.054442	3.060497	2.922444	3.007792	3.064934	2.834543	3.020244	2.986769
LINC01231	5.420794	5.448792	5.487432	5.456312	5.475913	5.542191	5.377139	5.646289	5.328429	5.24521	5.982594	5.195702
LINC01233	2.580577	2.74711	2.823397	2.599593	2.624977	2.81001	2.595034	2.525805	2.647423	2.249798	2.923959	2.576018
LINC01234	2.6733045	2.9031845	2.641329	2.739394	2.7683505	2.7353475	2.6126445	2.736407	2.6174665	2.7651845	2.584407	2.7076045
LINC01252	3.762897	3.515879	3.554593	3.452957	3.505574	3.129741	3.407714	3.231598	3.761062	3.382328	3.314451	3.397625
LINC01254	3.766529	3.571518	3.446589	3.389475	3.421176	3.565094	3.833988	3.585541	3.608242	3.282456	3.677737	3.411696
LINC01257	2.27022	2.486173	2.504174	2.590455	2.728217	2.597278	2.616889	2.570398	2.559027	2.576741	2.776608	2.55856
LINC01260	4.819199	4.955872	4.8101085	5.1927695	4.917357	5.7363555	4.7773135	4.9277005	4.7405915	4.596588	4.7995945	4.8255135
LINC01268	2.546858	2.662113	2.581545	2.95047	2.585151	2.730023	2.871617	2.813322	2.751632	2.774977	2.923351	2.762743

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
LINC01270	4.045094	4.457366	4.094621	4.294226	4.233613	4.431937	4.179459	4.277238	4.281034	4.271327	4.378271	4.172728
LINC01271	3.826721	4.003869	4.01976	4.076762	3.625303	3.529631	3.45174	3.93276	3.629089	3.620108	3.55433	3.187288
LINC01278	5.231883	5.455552	5.114031	5.39996	5.668087	5.7361965	5.5848475	5.78287	5.1580745	5.44196	5.2361175	5.4315215
LINC01279	11.69535	11.5173	11.39902	11.54949	7.069588	9.235168	7.188006	7.152016	7.332128	7.470537	8.680386	7.363415
LINC01281	4.455338	4.592364	4.498313	4.4798	4.454356	4.091167	4.533185	4.537817	4.422094	4.039375	4.206984	4.173583
LINC01289	2.797769	2.679033	2.991954	3.017748	2.815717	2.705435	2.895649	2.757282	2.800515	2.617083	2.607023	2.530917
LINC01300	3.068298	3.494455	2.685954	3.032648	3.032648	2.908081	3.021541	3.057137	3.049111	2.757289	3.003611	2.931014
LINC01301	2.419911	2.691028	2.764209	2.432183	2.386553	2.478316	2.54898	2.670334	2.559482	2.4228	2.691637	2.315092
LINC01304	4.527259	4.6835	4.704924	4.941525	4.642046	4.611052	4.661975	4.574447	4.657633	4.65006	4.707964	4.842542
LINC01305	2.937025	3.12282	3.083583	2.680456	2.920126	2.800549	2.884816	2.774387	2.86264	2.576741	2.826478	2.879561
LINC01310	5.065519	5.283722	5.010597	5.221378	5.155274	5.155274	5.219648	5.139999	4.879736	5.178708	5.114388	4.999833
LINC01312	2.7463585	2.572712	2.628261	2.7465835	2.84285	2.8254475	2.797548	2.6912425	2.7100575	2.772569	3.014139	2.8436285
LINC01333	3.321442	3.238212	3.32225	3.175814	3.271366	3.054658	3.142414	3.259775	3.295238	3.32225	3.211563	3.122708
LINC01341	5.495299	6.366696	5.725658	5.727473	5.671209	5.790232	5.364697	5.57842	6.220808	6.208539	6.46975	6.358413
LINC01342	4.827364	4.925156	4.915747	5.362589	5.294485	5.174892	5.048412	5.16267	5.073179	5.107493	5.086804	4.795792
LINC01343	4.247906	4.584742	4.21009	4.524119	4.459985	4.370871	4.248169	4.446137	4.42623	4.237369	4.338207	4.130332
LINC01346	3.466567	3.065822	3.420328	3.604755	3.615179	3.588893	3.359419	3.550103	3.478213	3.060147	3.47464	3.529427
LINC01347	5.121829	5.564293	5.094913	5.016881	4.958009	4.871158	4.97479	5.17484	4.914219	4.622031	4.948677	3.926277
LINC01351	3.637845	3.540384	3.540384	3.501866	7.314619	4.73996	7.253225	6.965666	3.789577	6.453731	4.214505	5.491187
LINC01352	2.749313	2.5389175	2.819625	2.8511075	2.615559	2.5618915	2.592767	2.682537	2.8763705	2.546045	2.660149	2.732741
LINC01354	2.80401	2.717433	2.516883	2.746027	2.397496	2.500349	2.573514	2.55856	2.359124	2.387391	2.564905	2.469828
LINC01355	5.4812845	4.4618925	5.058701	4.6719785	4.4967185	4.264617	4.6823965	4.56125	4.199281	6.290269	4.7179995	6.087954
LINC01360	2.573004	2.622217	2.771201	2.367759	2.502949	2.765738	2.55856	2.650303	2.755963	2.496366	2.759015	2.53185
LINC01361	2.482168	2.474284	2.572606	2.391759	2.429348	2.505484	2.487212	2.478136	2.482168	2.492815	2.591953	2.618043
LINC01364	3.172423	3.136754	3.415138	3.103699	3.120114	3.09991	3.085037	2.996426	2.909343	3.124701	3.114352	3.223736
LINC01365	4.574235	4.903178	4.796298	4.764668	4.807372	4.458366	4.571828	4.909515	4.314549	4.723401	4.571891	4.38917
LINC01366	4.107601	4.1776815	3.842119	4.162543	4.0791515	3.885883	3.9185575	4.1127465	3.9208935	3.874451	4.029658	3.683046
LINC01393	2.539849	2.638831	2.765186	2.494989	2.667692	2.575596	2.62739	2.62696	2.411347	2.514115	2.617806	2.577516
LINC01398	3.752561	3.625088	3.683553	3.864671	3.923858	3.864684	3.576018	3.865261	3.715712	3.707613	3.58447	3.588917
LINC01405	3.968969	3.994249	3.664965	3.570682	3.350187	3.234382	3.201108	3.339777	3.386424	3.245291	3.107784	3.344668

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
LINC01419	2.219405	2.246874	2.209338	2.283125	2.327525	2.197511	2.294167	2.26335	2.255653	2.298341	2.383721	2.510071
LINC01425	5.073181	5.058391	4.67253	5.047989	4.950017	5.073487	4.764253	5.118476	5.129938	4.937537	4.991867	4.366417
LINC01426	2.7857	2.780563	2.994904	2.856938	2.700935	2.459101	2.428168	2.769399	2.454945	2.688934	2.800794	3.659519
LINC01428	3.863364	4.397675	4.158801	4.189391	3.780896	4.024056	4.113312	4.27014	3.880134	3.601338	3.843903	3.467847
LINC01431	3.589026	4.000598	4.131748	3.628573	3.795526	3.687286	4.140912	3.785207	3.679174	3.677393	3.674639	3.437265
LINC01432	3.053151	3.41523	3.17769	3.375772	3.634231	3.474399	3.604816	3.684776	3.484621	3.412918	3.720561	3.587775
LINC01449	3.003208	3.152183	3.512796	3.004758	3.20364	2.899613	2.931014	3.10421	2.948008	2.976139	3.371813	3.037271
LINC01465	2.978602	2.96339	3.243025	4.221745	3.337855	3.060069	3.218945	3.384989	4.414007	2.998564	3.063276	3.107786
LINC01477	3.895188	4.309379	3.909265	4.18061	4.182311	4.141267	4.26247	4.466468	4.056149	4.015388	4.146849	3.988482
LINC01482	4.008991	4.577248	4.320816	3.905991	4.307626	4.044976	4.307526	4.145556	4.311857	4.027316	4.267648	4.00761
LINC01487	2.790817	3.322507	2.809708	2.979081	2.8713	2.998592	2.681828	2.798222	2.990906	2.612053	2.770067	2.706645
LINC01490	3.255061	3.056772	2.936611	2.967712	3.335399	2.789907	3.053432	2.967591	3.053432	3.250202	3.261314	3.00584
LINC01504	5.155956	5.385485	5.245887	5.055039	5.575567	5.752666	4.932879	5.681739	5.134274	5.391323	5.464664	5.532026
LINC01505	3.3059445	3.4777155	3.551157	3.4012885	3.105027	3.38862	3.2063915	3.232877	3.1608745	3.030006	3.3581755	3.0631595
LINC01511	5.306137	5.248816	5.068091	5.386206	5.336272	5.291751	5.011864	5.097917	5.41225	5.043922	5.409367	5.034553
LINC01512	5.450798	5.715667	5.671132	5.353293	5.390045	5.342213	5.189857	5.357378	5.336504	5.068276	5.700449	5.140467
LINC01514	2.521317	2.507775	2.350395	2.485668	2.882823	2.926661	2.720489	2.832496	3.264198	2.615023	2.80781	3.441545
LINC01520	4.340697	4.135987	4.624829	4.704231	4.436918	4.182029	4.229399	4.537818	4.340524	3.945074	4.280836	4.298025
LINC01521	3.636644	3.547151	3.683614	3.700508	3.577035	3.536066	3.171753	3.47538	4.51062	3.620594	3.578572	3.773605
LINC01523	4.574637	4.973985	4.291494	4.217339	4.126529	4.114354	4.232111	4.137283	3.883249	4.148587	4.337681	4.212072
LINC01530	3.614649	3.776348	3.7223	3.555017	3.580011	3.565093	3.592534	3.437408	3.427767	3.779067	3.521014	3.547695
LINC01532	3.2799875	3.554115	3.4709675	3.5915495	3.511462	3.469328	3.502602	3.5134935	3.252718	3.2852835	3.4168615	3.1879725
LINC01533	5.577321	5.869376	5.502842	5.434556	5.137348	5.286333	5.716475	5.805355	5.30063	4.822163	5.570133	5.315173
LIPE-AS1	4.8619345	4.9423045	4.8115145	4.771403	4.6071685	4.933707	4.499032	4.5324855	4.594883	4.806815	5.2277945	4.8741565
LKAAEAR1	5.891111	6.015849	5.762891	5.615597	5.707649	5.5841	5.834069	5.603875	5.60977	5.433828	5.764709	5.282089
LMNTD1	5.481444	5.268502	5.032528	5.386455	5.93709	5.263874	5.653305	5.987808	5.406812	5.375431	5.428069	5.512465
LMNTD2	4.146779	4.570889	4.60584	4.324699	4.158694	4.427144	4.46006	4.373042	4.852118	4.202381	4.430415	4.069635
LMO7DN	2.856013	2.628481	3.131145	3.302594	4.321858	3.149272	3.305756	4.09518	3.023535	3.488499	3.26658	3.199921
LOC100287808	3.623388	4.397731	3.676693	3.677102	3.563722	3.402152	3.38384	3.557042	3.596989	3.653039	3.878943	3.480502
LOC100289473	4.275814	4.494718	4.334704	4.353178	5.110919	4.522963	5.177783	4.945333	4.330546	4.64861	5.012416	4.620265

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
LOC100289495	4.986719	5.450341	5.564287	5.049715	5.341583	5.496818	5.236074	5.394713	5.333603	5.154872	5.718588	5.135725
LOC100505782	2.372936	2.975471	2.761762	2.761853	2.730439	2.537189	2.730439	2.722579	2.53314	2.528411	2.876018	2.579538
LOC100506235	3.597295	3.6504585	3.4896955	3.529429	3.719515	3.7452805	3.472034	3.5891235	3.4920335	3.453399	3.5079685	3.7142745
LOC100506289	2.960793	3.401927	3.071152	2.638679	2.871609	2.917565	3.031906	2.931014	2.945191	2.863779	2.920448	2.974699
LOC100506472	4.6243905	4.657581	4.569314	4.487701	4.289863	4.4584295	4.5843175	4.365481	4.572803	4.379947	4.453735	4.458654
LOC100506679	4.747923	4.699891	4.657531	5.133946	4.54911	4.704651	4.771071	4.837368	4.595679	4.430414	4.747486	4.26922
LOC100507053	3.794707	3.70892	3.6505115	3.7016265	4.078332	4.1864345	3.7962745	4.0647595	3.582288	4.023213	3.996015	3.5595305
LOC100507065	3.81414	3.940864	4.098814	3.823763	3.953588	3.590476	3.808	3.980227	3.939784	4.066802	4.126737	3.896699
LOC100507377	3.275002	3.618284	3.124571	3.603081	3.682883	3.777751	4.043986	3.742867	3.435973	3.612735	3.583996	3.862106
LOC100507388	4.228253	4.457735	4.454195	4.637165	4.354405	4.295363	4.926165	4.617145	4.262558	4.153542	4.82473	4.186632
LOC100507516	3.105349	3.186839	2.998303	3.577717	4.597754	4.135427	4.520711	4.888079	4.268979	3.998371	3.089708	3.697149
LOC100508046	2.717816	2.823651	2.610544	2.703196	2.455815	2.544837	2.850827	2.721901	2.567139	2.764005	3.192115	2.672609
LOC100631378	3.2559375	3.1785075	3.2737795	3.3544985	3.227569	3.2026625	3.0121945	3.377819	3.336291	3.136187	3.2617815	3.0624355
LOC100652768	6.223756	6.285015	6.218388	6.064221	6.170102	6.12198	5.860868	6.20042	6.214949	5.843396	5.996762	6.067557
LOC100996404	2.897875	2.630634	2.659458	2.64199	2.547433	2.921246	2.569091	2.69546	2.67859	2.48476	2.552811	2.519799
LOC100996447	2.586126	2.6357045	2.604859	2.707868	3.4558535	3.3224675	3.4480995	4.34605	2.819066	3.1201605	2.860265	3.33585
LOC101060553	3.928333	4.104656	4.091313	4.132653	4.082571	3.918255	3.6167	4.317724	4.083427	3.791369	4.123231	3.816006
LOC101926892	3.252598	2.767066	2.614704	2.962709	2.732373	2.754462	2.97484	2.679751	2.512533	2.786326	2.939154	2.790715
LOC101926943	3.390747	2.972925	2.713096	2.883565	4.149926	4.08766	3.752851	4.592607	3.316779	3.186327	3.052948	3.156828
LOC101926944	2.909078	3.097607	2.987226	3.130468	2.921025	2.896453	3.019513	2.954403	3.019385	2.576741	2.941437	2.808401
LOC101926962	3.387913	3.602519	3.684251	3.518799	3.621114	3.784034	3.676057	3.648537	3.602519	3.334291	3.612351	3.235942
LOC101927021	4.455338	4.471583	4.738129	4.542348	4.75467	4.13479	4.321418	4.706098	4.501539	4.183545	4.756094	4.36639
LOC101927040	3.178379	3.662102	3.035314	3.311104	3.298941	3.289125	3.105316	3.289125	3.267147	3.163059	3.585562	3.437115
LOC101927051	4.024012	4.783467	4.034747	4.169531	3.821298	3.861597	3.978668	4.094249	3.915907	4.204802	4.139761	4.063959
LOC101927124	2.547189	2.384214	2.633964	2.870477	2.659543	2.861905	2.506598	2.583172	2.583172	2.48514	3.086869	2.641886
LOC101927138	3.056423	2.83605	2.852634	3.171941	3.119301	3.198771	3.062423	3.036745	3.089708	3.097133	3.213804	3.13892
LOC101927143	6.916065	6.973064	7.097692	7.037944	7.5051	7.2032	7.213983	7.396319	7.276123	7.119952	7.217944	6.56732
LOC101927159	4.135171	4.251863	4.26054	4.349225	4.594039	4.47117	4.574993	4.960689	4.08944	4.139327	4.411051	4.112085
LOC101927164	5.326733	5.474652	5.154015	5.329799	5.427061	5.281835	5.08128	5.445908	5.153656	5.423529	5.378008	4.924643
LOC101927310	2.34771	2.436934	2.433185	2.502942	2.442449	2.328085	2.386942	2.762558	2.457709	2.522614	2.412166	2.314031

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
LOC101927358	2.770047	2.576729	2.770796	2.69782	2.430359	2.708163	2.793297	2.599285	2.406189	2.488316	2.612648	2.54949
LOC101927450	2.817751	2.791022	2.779514	3.260999	2.673669	2.510793	2.674499	3.047135	2.825358	2.621615	2.723699	2.984257
LOC101927495	3.683028	3.816273	4.032892	4.100081	3.946532	3.787172	3.767881	4.056334	3.729005	3.680046	3.936621	3.601743
LOC101927502	3.236691	3.608938	2.836888	3.244817	3.312246	3.380997	3.190093	3.338655	3.523533	3.241668	3.381429	3.101872
LOC101927543	4.074764	4.031403	4.231514	4.380718	4.209384	4.05069	3.927461	4.175464	4.039037	4.168466	4.309645	4.107482
LOC101927583	2.88678	3.063126	2.95594	3.039237	2.871504	2.931014	3.010863	3.003918	3.023673	2.846008	3.019335	3.294587
LOC101927604	4.228074	4.34193	4.520622	4.589279	4.564682	4.114353	4.220144	4.756011	4.933867	3.894481	4.051261	3.958298
LOC101927636	2.53404	2.747111	2.733582	2.404478	2.436339	2.475428	2.518144	2.536522	2.475796	2.577332	2.748429	2.585247
LOC101927657	2.960306	3.119555	2.926254	2.959277	3.209991	3.143639	3.463223	3.013098	3.001049	3.150072	3.080871	3.032251
LOC101927746	3.121092	3.345318	3.054858	2.820286	4.346239	6.228383	6.508917	4.114946	3.253474	3.256451	6.516734	3.839969
LOC101927769	3.355461	3.145988	3.455504	3.265178	3.156767	3.305069	3.192471	3.232936	3.158751	3.061722	3.196658	3.3461
LOC101927798	3.7464295	3.5233095	3.4988315	3.5801585	3.2055615	3.273442	3.222263	3.387198	3.280559	3.4285245	3.325271	3.4601745
LOC101927829	3.080799	2.921182	3.067249	2.985643	3.201069	3.020608	2.993228	3.204197	2.985153	2.92459	3.163915	2.839547
LOC101927851	3.692997	3.930714	3.61921	4.052067	4.325754	4.134002	4.36902	4.13084	3.854915	3.373548	4.248477	3.349334
LOC101927870	2.4786365	2.811821	2.5303055	2.2757595	2.501367	2.312919	2.487089	2.3245795	2.431969	2.462537	2.508104	2.3000345
LOC101927884	4.958057	4.613265	4.761039	5.208505	5.140508	4.876502	4.97828	5.269597	4.616614	4.993692	4.783492	4.972816
LOC101927907	3.273419	2.753315	2.920089	3.348834	2.920976	3.135655	2.820057	3.070018	3.019372	3.012064	2.934521	3.065306
LOC101927914	4.305928	4.782163	4.903953	4.717026	5.015432	5.008604	4.840045	4.926737	4.686563	4.316459	4.740958	4.522086
LOC101927948	3.205991	3.404712	3.669766	3.626336	3.25464	3.512559	3.541102	3.686527	3.96016	3.580729	3.867595	3.049601
LOC101928002	2.605491	2.62133	2.546897	2.634691	2.605491	2.240768	2.419442	2.482672	2.467353	2.611773	2.621148	2.601417
LOC101928009	4.402644	4.205418	4.137865	4.086512	4.417828	4.247323	4.158533	4.548922	4.203687	4.138392	4.075877	4.098619
LOC101928012	2.723215	2.675842	2.682798	2.861074	2.732745	2.749478	2.592424	2.862782	2.543674	2.762558	2.991493	2.643552
LOC101928020	2.418583	2.41565	2.377823	2.591834	2.420129	2.402128	2.33149	2.51458	2.340759	2.362897	2.341937	2.468442
LOC101928052	2.257929	2.61203	2.609743	2.429374	2.429721	2.648484	2.241631	2.419643	2.353833	2.49511	2.389655	2.529438
LOC101928100	4.20159	4.155284	4.252217	4.456215	8.238585	7.797705	4.872827	8.242914	4.702137	4.303352	6.874765	5.166022
LOC101928107	3.577073	3.576356	3.735771	3.636659	3.727902	3.480685	3.530963	3.92428	3.651514	3.395486	3.655919	3.382292
LOC101928140	2.385306	2.21994	2.666852	2.443648	2.522987	2.478615	2.666838	2.577246	2.725479	2.527259	2.450067	2.525169
LOC101928283	3.175947	2.843288	2.83165	2.802419	2.770646	2.684745	2.852815	3.042878	3.078663	2.85234	2.979929	2.567388
LOC101928307	2.736415	2.913511	2.724175	2.683255	3.067842	2.66478	3.699902	3.290721	2.734986	6.036619	2.505878	5.678715
LOC101928333	4.211451	4.47117	4.544494	4.376822	4.334373	4.248933	4.257864	4.42924	4.442519	4.235638	4.527731	4.274132

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LOC101928335	3.125953	3.074979	3.081452	3.252195	3.160733	2.778368	2.97646	3.293449	3.177733	3.265178	3.181198	3.135648
LOC101928371	4.765163	4.701466	5.094997	5.227268	5.473384	5.296832	5.388783	5.415665	4.928562	4.764264	5.006009	5.054781
LOC101928386	2.463016	2.332087	2.227014	2.428804	2.2663	2.408398	2.599962	2.340491	2.340329	2.576741	2.229154	2.655225
LOC101928418	2.995229	3.622252	2.916214	3.153559	3.137086	3.051472	3.199388	3.30521	3.281511	3.124939	3.253561	3.146087
LOC101928495	2.139612	2.54402	2.361402	2.268926	2.32283	2.127762	2.549319	2.327432	2.230983	2.331887	2.423013	2.320451
LOC101928516	3.915505	3.810648	4.242781	3.889946	3.935253	3.791805	3.781823	4.026437	7.738118	3.408522	3.793233	3.725759
LOC101928521	3.6359	3.966054	3.900519	3.939952	3.563257	3.563257	3.354092	3.617719	3.412992	3.064384	3.488507	3.155135
LOC101928525	5.166615	5.386348	4.889268	5.23478	5.443632	5.477316	5.185222	5.591605	5.512952	5.105997	5.640376	4.850907
LOC101928535	3.4205235	3.4252205	3.3991205	3.7470575	3.5674725	3.6216815	3.6507625	3.492735	3.3241315	3.287829	3.650113	3.455441
LOC101928590	3.21949	3.030359	3.134265	2.864752	3.10182	3.01866	2.956781	3.084604	3.218321	3.04879	3.00155	3.090824
LOC101928597	4.749681	4.925156	4.577726	4.52571	4.683594	4.472473	4.547156	4.687979	4.537817	4.768919	4.705629	4.505125
LOC101928618	2.27668	2.268734	2.446256	2.310803	2.276423	2.332756	2.420782	2.420337	2.23169	2.323977	2.381673	2.446256
LOC101928622	2.214072	2.441354	2.730166	2.316944	2.45679	2.41613	2.286587	2.311439	2.436503	2.625085	2.45679	2.398865
LOC101928626	2.775826	3.310588	2.812501	3.011593	3.027119	2.995096	2.909074	3.598399	3.131127	2.676433	3.248398	2.970868
LOC101928651	3.085633	3.089649	3.108101	3.3253	3.16515	3.121487	3.086506	3.14757	3.066756	2.925988	3.079401	2.956399
LOC101928661	4.878718	4.98254	4.865181	4.74995	5.1932	4.793005	5.083175	5.158793	4.818151	4.699193	5.10998	4.832697
LOC101928700	2.907877	2.926624	2.864389	2.880267	2.831982	2.921945	2.923291	2.966158	2.897684	2.955088	2.874849	2.609363
LOC101928708	3.801609	4.677883	4.127702	3.944345	3.685112	3.694163	3.682229	3.836221	3.761237	3.6241	3.755377	3.723434
LOC101928731	3.547489	3.27235	3.099273	3.31891	3.362557	3.137866	3.251137	3.002629	3.080414	2.973533	3.23569	2.988881
LOC101928739	2.256532	2.315092	2.483768	2.687624	2.43845	2.142066	2.23786	2.393546	2.23786	2.285867	2.298955	2.320191
LOC101928748	3.678401	3.910273	3.977603	3.834642	3.654272	3.693365	3.778836	3.734299	3.901231	3.573467	3.808277	3.562424
LOC101928797	2.875696	2.871686	3.068024	2.77428	4.590437	3.149194	2.762558	3.855346	2.720659	2.833177	2.925789	3.64703
LOC101928834	2.962844	2.88041	2.628754	2.767552	3.205991	2.878255	2.823651	2.966987	2.838904	2.664779	2.774896	2.800961
LOC101928847	3.372054	3.015415	3.10287	3.420131	3.565093	4.223372	3.593952	3.697737	3.573031	3.561639	3.533994	3.345225
LOC101928858	4.646132	4.819869	4.423739	5.008007	4.535883	4.720385	4.750507	4.809289	4.299218	4.188777	4.632288	4.246819
LOC101928894	4.007941	4.315989	4.315121	4.187497	4.1353	3.933366	4.258638	4.296698	4.036026	3.879007	4.158985	3.781823
LOC101928896	3.9442935	3.878543	4.126673	3.9737255	4.2366165	4.170688	3.8261145	4.264372	4.301323	4.02183	3.984371	4.2442375
LOC101928909	2.871835	2.943404	3.061923	3.151341	3.064208	3.074964	2.786429	3.075154	3.110803	3.023964	3.018599	2.934794
LOC101928937	3.81517	3.660206	4.234383	4.070598	4.521823	4.114353	4.236676	4.227994	4.307066	4.147099	4.124237	4.261931
LOC101928978	3.493717	3.48462	3.358412	3.359895	3.048899	3.204158	3.104638	3.193935	2.926675	2.948813	3.09928	2.805823

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
LOC101928988	2.919216	2.800543	3.018725	3.067483	2.834565	2.656423	2.624859	3.032964	2.899621	3.05035	2.923215	2.700663
LOC101929064	3.010745	3.622149	3.182977	3.298238	3.365491	3.21991	3.184755	3.259253	3.264256	3.161474	3.292743	3.096945
LOC101929076	4.689681	4.780006	4.690892	4.846703	4.803066	4.604678	4.716183	4.701633	4.293218	4.414861	4.695725	4.402375
LOC101929116	3.457024	3.702096	3.533878	3.299063	3.38635	3.48511	3.381429	3.488988	3.375184	3.288601	3.501809	3.257856
LOC101929148	3.3269	3.295154	3.328838	3.283314	3.135137	3.222452	3.250901	3.300401	3.349146	3.159896	3.341994	3.315871
LOC101929162	3.006876	3.034336	2.473404	3.074964	3.096744	3.006401	3.090255	3.164158	2.933436	2.687679	2.953289	2.991683
LOC101929172	3.686693	4.269555	4.058417	4.63203	4.108083	3.958817	3.831491	4.024358	3.779157	3.733713	3.981964	3.515335
LOC101929210	2.96873	2.847249	2.771069	2.647054	2.896301	2.965889	3.055402	2.955673	2.752844	2.689521	2.927888	2.96873
LOC101929268	3.488597	3.522775	3.992074	4.336267	4.25139	3.90673	3.935362	4.164361	4.05296	3.504287	3.960503	3.649923
LOC101929340	3.123501	2.667988	2.55856	2.647593	2.830747	2.858525	2.907403	3.211123	2.8672	2.756554	2.921167	2.702589
LOC101929384	3.276842	3.44222	3.792836	3.571374	3.565093	3.480382	3.910021	3.677424	3.549728	3.714955	3.724158	3.296106
LOC101929413	3.193072	3.274189	3.311152	3.676404	3.075684	3.421607	3.391799	3.205991	3.318534	3.34733	3.299009	3.382866
LOC101929473	2.510924	2.553718	2.636209	2.975675	2.777275	2.716205	2.733075	2.984851	2.739855	2.896204	2.777368	2.699832
LOC101929488	5.219198	5.158168	4.911355	5.072361	4.934657	4.89768	5.045621	5.193419	5.008795	4.860664	5.045969	4.976792
LOC101929524	2.358468	2.613032	2.768277	2.861777	2.384395	2.621997	2.476998	2.742389	2.433359	2.289391	2.525026	2.575397
LOC101929526	5.12772	5.29911	4.855237	5.0304	5.110687	4.951545	5.110913	5.150121	5.100683	4.968504	5.078056	4.882161
LOC101929528	3.490203	3.170958	3.214499	3.175916	2.915672	3.14291	2.9453	2.899432	3.145411	2.812242	3.074658	2.954334
LOC101929570	2.022695	2.187078	2.216635	2.321716	2.226347	2.248793	2.08548	2.151113	2.132636	2.121747	2.172541	2.239977
LOC101929622	2.820153	2.649066	2.571487	2.343585	2.727981	2.535538	2.714411	2.505965	2.556789	2.598892	2.447415	2.469828
LOC101929657	4.113739	4.215264	4.31385	4.31872	4.331547	3.994323	4.109575	4.356158	3.980682	3.984051	4.033823	3.785441
LOC101929662	3.172941	3.477125	3.3922	3.181671	3.666424	3.26225	3.483233	3.485474	3.480092	3.480092	3.247323	3.224389
LOC101929705	4.404513	4.258835	4.692573	4.701905	4.499432	4.398977	4.643484	4.499502	4.769704	4.126772	4.223944	4.376246
LOC101929718	5.22753	5.141957	5.06469	4.856556	4.793516	4.799692	4.873894	4.895402	4.725733	4.704427	5.279997	4.803112
LOC101929762	3.038498	2.823651	2.995253	2.895151	2.856962	3.073613	3.051612	3.006695	3.068184	2.802095	3.017748	3.068184
LOC102546294	3.520824	3.587464	3.953051	4.168589	4.204473	3.898535	4.071579	4.227984	3.684315	3.902097	3.880242	3.812946
LOC102546299	2.74495	2.884646	3.411528	2.75505	2.65258	2.839444	2.833588	2.608829	2.702847	2.664779	2.717622	3.038498
LOC102723701	4.978188	4.844623	4.750775	5.00806	5.017161	4.980382	4.971156	5.054249	4.95573	5.013249	5.178273	4.759076
LOC102723831	4.094028	4.209612	4.188786	4.201143	3.879576	4.242886	3.928591	3.880206	4.084034	3.979547	4.135711	3.873289
LOC102724612	3.590844	4.134447	3.550195	4.021017	3.790356	3.774773	3.765515	3.709286	3.711657	3.722583	3.997145	3.521468
LOC102724927	2.782155	2.666553	2.833788	3.084429	2.991312	2.664145	3.048835	2.6411	2.952569	2.782601	2.511888	5.205007

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
LOC403323	4.972668	4.940666	4.422261	5.362852	5.349205	5.104271	5.374358	5.255302	5.240053	5.354501	4.882721	5.441448
LOC439933	2.801518	2.788132	2.825147	3.03294	2.7828695	2.7802125	2.910786	2.9169105	2.708519	2.752968	3.0505585	2.76853
LOC84214	2.618621	3.039187	2.558732	2.692475	2.83033	3.032648	3.067803	2.843322	2.977063	3.035217	3.114979	2.806938
LRRC2-AS1	3.820511	3.582063	3.869862	3.646345	3.764332	3.443419	3.563252	3.696573	3.569099	3.303662	3.810673	3.350564
LRRC74A	4.1893095	4.397459	4.127857	3.8131635	4.1102225	4.12912	3.9378915	4.1769625	3.996512	4.01905	4.091684	3.9216615
LRRC74B	2.381583	2.694938	2.812376	2.801225	2.848838	2.706977	2.783728	2.707293	2.69398	2.7902	2.813251	2.756018
LRRC75A	4.557352	4.268013	4.304229	4.09991	4.243036	4.22585	3.891216	4.183343	4.696831	4.013237	4.788198	4.188754
LSMEM1	4.5051085	4.3820875	4.2924565	4.4122765	4.4601915	4.4781755	4.491622	4.5859745	4.545281	4.77687	4.753873	4.510059
LSMEM2	5.161333	5.80446	5.766231	5.04067	5.517078	5.55424	5.588695	5.701196	5.68134	5.148235	5.732497	5.220999
LYRM9	5.987437	5.7037285	5.865623	5.2666395	5.732851	5.284129	5.1271465	5.867379	5.223129	6.325695	5.403498	6.331282
M1AP	3.112158	2.9996505	3.138993	3.1240015	2.9182165	2.759594	2.690447	2.6241295	2.855894	2.5577225	2.810592	2.6625425
MAATS1	3.0217735	3.139397	3.0137215	3.0610255	2.900276	2.9660315	2.894067	3.1160525	2.9925045	2.9555075	3.1043865	3.021028
MALRD1	2.755528	2.750149	2.716508	2.620755	2.931013	2.851267	2.718564	3.260003	3.190552	3.114787	2.745219	2.850828
MAMDC2-AS1	3.3733215	3.505042	3.4795765	3.458931	3.3806865	3.259768	3.2062185	3.3244385	3.3363085	3.0820005	3.2866775	3.187996
MAP10	3.451874	3.082273	3.284334	3.484161	3.072077	2.948303	3.044235	2.950432	3.027303	2.812564	2.992615	2.85295
MAP3K19	4.586833	4.892716	4.547765	4.852567	4.800089	4.6139625	4.6738035	4.737348	4.824952	4.4472085	4.7385975	4.4722115
MAP3K7CL	7.819079	8.239446	8.664019	8.767941	4.832177	8.849405	4.794936	5.297128	9.249125	4.655515	9.193951	5.551214
MBNL1-AS1	6.2055145	5.766285	7.0881985	7.185964	7.0903625	7.819141	7.379329	7.5316895	5.6547845	6.26457	5.74874	6.726522
MCHR2-AS1	2.6246765	2.86375	2.8202235	2.6461545	2.8217675	2.6679215	2.8458875	2.8826595	2.6284535	2.6900155	2.739194	2.6846415
MED15P9	5.357128	5.57172	5.025055	5.722155	5.059981	4.806062	4.867157	5.213988	5.040582	4.914714	5.145912	5.125734
MEDAG	8.5342885	7.8156705	8.5089695	7.222793	4.7861875	6.072714	4.780752	4.876676	6.3230865	4.440206	6.501955	4.6407425
MEF2C-AS1	4.781103	4.953016	4.610465	4.836555	4.795732	4.733658	5.203904	5.089139	4.450998	4.797156	4.922579	4.856048
METTL21EP	3.848763	3.602546	3.699041	3.689111	3.563811	3.708374	3.617667	3.548765	3.528113	3.367188	3.5954	3.418709
MGAT4D	2.423995	2.230161	2.177293	2.315346	2.349975	2.350055	2.189145	2.440997	2.261316	2.31238	2.197062	2.284699
MGAT4EP	2.43128	2.649517	2.716029	2.541607	2.720977	2.680383	2.688203	2.548082	2.569825	2.449405	2.689477	2.567635
MIEF2	5.759338	5.981954	6.071906	6.123705	5.76558	6.115473	5.724586	5.70735	6.099357	5.749303	5.97903	5.534075
MIF-AS1	6.05579	5.86217	6.120288	5.845022	5.758336	5.956054	5.599926	5.940719	5.768186	5.909938	5.913405	5.93468
MIR124-2HG	2.996535	3.470838	3.039118	3.319908	3.428044	3.502874	3.342479	3.585916	3.460355	3.120182	3.666119	3.45546
MIR3663HG	2.509367	2.421295	2.503224	2.474948	2.517776	2.515792	2.458482	2.686796	2.308578	2.793709	2.55496	2.437906
MIR3916	2.747683	2.919599	3.348296	3.226276	3.910902	4.117011	3.691145	4.006327	3.60864	3.380141	3.916195	3.459032

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
MIR3939	4.69471	3.592393	4.10479	4.03822	3.137936	3.001049	4.42165	3.063022	2.643105	4.973805	3.415146	5.205705
MIR3976HG	3.087404	3.551611	3.122456	2.94371	3.097446	2.933457	3.087404	3.183901	3.047591	2.986895	3.044623	3.187959
MIR4697HG	4.857004	4.686522	4.7079995	4.818075	4.5506295	4.649093	4.5755285	4.492641	4.4819745	4.6810165	4.8658155	4.793462
MIR646HG	4.093539	4.642831	4.507302	4.062099	4.163555	4.250175	3.879545	3.921157	3.954431	3.686223	4.021079	3.761674
MIR663AHG	2.491304	2.55856	2.930079	2.726423	2.770988	2.99593	2.712918	2.651489	2.785655	2.661852	2.856603	2.549075
MIR670HG	5.124833	5.462646	5.267642	5.146487	5.666281	5.196631	4.987384	5.291766	5.241621	5.092604	5.445572	4.99033
MIR99AHG	3.541137	3.377692	3.574667	3.419897	4.82152	3.023413	3.328161	4.268591	3.663845	5.943433	3.565093	4.787111
MISP	5.847577	6.270164	5.761428	6.219319	6.20799	5.908349	6.264716	6.383446	6.022364	5.413738	5.717638	5.694507
MKRN7P	4.931729	5.336147	5.270294	5.158073	5.248533	5.128627	4.880696	5.173426	4.926683	4.722829	4.786869	4.803093
MLLT10P1	3.476358	3.305743	3.361777	3.50553	3.646708	3.224687	3.244812	3.893322	3.472813	3.350486	3.681258	3.308299
MNX1-AS1	4.002411	4.037299	4.032087	4.275561	4.04444	3.632461	3.892506	4.066975	4.151334	3.911288	4.034693	4.020323
MROH1	4.6591585	3.954343	4.42964	4.5982245	4.5780625	4.136605	4.2139715	4.4449105	4.089742	4.1731625	4.8334085	4.200391
MROH2A	3.383218	3.82407	3.437132	3.5687345	3.1734045	3.161242	3.209794	3.1301145	3.13138	2.9543215	3.206349	3.2763055
MROH2B	3.740901	4.615802	4.423509	4.200657	3.89163	4.48152	3.854035	4.155829	4.295388	3.60247	4.54915	3.977197
MROH8	4.009535	4.039432	3.946062	4.0868885	4.0956395	3.99845	4.0208275	4.2346415	4.2390255	3.985124	4.5473435	4.072851
MROH9	2.707316	2.558634	2.424497	2.95982	2.613743	2.827193	2.87314	2.496327	2.878525	2.445539	2.482105	2.993801
MS4A8	5.119703	5.374693	5.19901	5.651744	5.380602	5.528878	5.47321	5.56544	5.347488	5.273297	5.740254	5.150005
MST1L	3.038113	3.262988	3.303886	2.9711025	3.0096075	2.9396725	3.1301875	3.017066	3.299226	3.175387	3.0882205	2.8489675
MTERF1	6.196804	5.74469	5.972746	6.569211	7.276983	7.255132	7.229124	7.349884	6.449079	6.665231	6.472727	6.656808
MTERF2	5.816265	5.6529635	6.0716995	5.8840025	7.823541	7.414923	7.756882	7.7345315	6.68991	7.601868	6.7499995	7.244428
MTERF3	8.531747	8.487066	8.694262	8.788267	9.343185	9.55121	9.689108	9.218209	9.061621	9.59338	9.200643	9.645466
MTERF4	6.8159985	6.8099135	6.905467	7.0507495	7.123671	7.4098125	7.3389725	7.2646705	7.638829	6.9438075	7.3765775	6.802125
MVB12B	5.461475	5.651177	5.644708	5.777694	5.59404	5.3707825	5.1313545	5.31696	5.71288	5.5229725	5.666633	5.513527
MYCL	4.0705285	4.369039	4.3966155	4.5598735	4.36139	4.3359145	4.057923	4.584753	4.4272575	4.2946235	4.773009	4.434452
NADK2-AS1	3.037297	3.744225	2.797297	3.073272	3.157149	2.925481	2.938792	3.088376	3.198319	3.003682	2.911553	3.343787
NAPRT	6.628997	7.234987	6.505488	6.462413	8.093755	7.225607	7.881113	8.050704	6.353449	7.627677	7.430856	8.489041
NATD1	6.251975	6.3978065	6.772206	6.1697775	6.1187155	6.086239	5.865529	6.199158	6.399234	6.1817905	6.8220855	6.4781685
NEBL-AS1	3.674957	4.383204	3.895241	3.834925	3.778901	3.922832	3.886486	3.82617	3.694227	3.789958	3.379693	3.780003
NEURL1	4.6511125	5.1705595	4.722696	5.2031995	4.9262605	4.8716875	4.9315895	4.963578	4.9146535	4.916702	5.092261	4.8762345
NFIA-AS2	3.118817	3.380669	3.175824	3.306125	3.135689	3.168849	2.90236	3.205991	3.216034	3.103434	3.381852	3.063509

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
NFYC-AS1	5.258993	5.15367	5.51811	5.022994	5.348169	5.107492	5.526869	5.120098	5.039317	5.028468	5.021188	5.207492
NIM1K	5.436791	5.64517	6.034556	6.115474	5.051672	4.41698	4.888922	5.384085	4.457054	4.080091	4.866175	4.648379
NOL4L	4.8290565	4.7442715	4.671699	4.7551075	4.971634	5.5738955	4.484364	4.9846045	4.7316105	4.711257	6.178658	4.0854135
NPIPB3	7.276017	7.402847	7.116896	5.560235	5.595409	5.926786	5.710055	5.689749	5.623407	6.537065	5.957314	6.427542
NRROS	4.678753	4.835059	4.742398	5.020004	4.896462	4.97215	4.869161	5.044103	5.781881	4.746102	5.37783	4.750846
NRSN2-AS1	4.819151	4.116776	4.849463	4.468382	4.762452	4.070688	4.930546	4.802145	5.528878	4.694087	5.161737	4.591024
NUTM1	5.8506205	6.039892	5.758797	5.654922	5.7022595	5.2037195	5.29189	5.6737605	5.4485605	5.207849	5.551513	5.3269795
NUTM2A	5.181072	5.446011	5.377616	4.96709	5.348729	5.221435	5.101788	5.096728	5.316707	5.168212	5.179295	5.217974
NWD2	3.338468	3.02472	3.5285	3.110588	3.370842	3.084562	3.038497	3.192242	2.867269	3.163029	3.196658	3.506266
OGFRP1	6.4442	6.80122	6.671103	6.895825	7.012814	6.877994	6.728326	6.991142	6.82266	6.619606	6.864184	6.455262
OOSP2	2.5016	2.486573	2.412063	2.867319	2.531917	2.34388	2.55856	2.543891	2.633718	2.39231	2.46239	2.386553
OR7E2P	2.82947	3.068783	3.105189	2.778697	2.878359	2.728385	2.861504	2.854543	2.688734	2.57674	2.854015	2.711545
OTUD6B-AS1	7.0822815	7.150746	6.8096515	7.5234735	7.727674	8.707465	8.3282905	7.7584855	7.5391995	7.235068	7.4427585	7.157801
OVAAL	4.161811	4.242406	3.936798	4.571098	4.177708	4.181687	4.282149	4.16602	4.34193	4.401383	4.220398	4.302104
OVCH1-AS1	4.901297	4.890626	5.10216	5.009296	4.589313	4.705516	4.710176	4.537817	4.790917	4.370384	4.480057	4.397355
PARD3-AS1	3.402259	3.401526	3.48001	3.381429	3.760618	3.482978	3.187613	3.87613	3.375754	3.972791	3.425762	3.549238
PAX8-AS1	6.046608	6.932185	6.197689	7.700356	6.3562	7.464721	3.897836	6.491796	8.687085	3.874087	9.022958	4.253385
PAXBP1-AS1	3.2369085	3.4137705	3.182886	3.463145	3.342202	3.3036255	3.3081175	3.4523985	3.4252375	3.539669	3.6828415	3.5575395
PCAT18	3.138053	2.960996	2.745458	3.190848	3.096782	3.115496	3.060873	3.317422	3.431959	2.704215	3.669666	3.23173
PCAT4	4.204272	4.0135085	4.276152	4.429243	4.6448475	4.0661965	4.439956	4.529108	4.489419	4.5449235	4.522272	4.7394865
PCAT7	4.455338	4.164546	4.359881	4.192062	4.324551	4.100265	4.4817	4.416862	4.630365	4.599558	4.653871	4.287725
PDCD4-AS1	4.589608	4.818151	4.179915	4.281584	5.611207	5.658234	5.129345	5.325253	5.808259	5.21703	4.5287	5.193778
PERM1	5.231962	5.394489	5.483855	5.294267	4.993797	5.032088	4.800941	5.146371	4.910958	4.850764	5.297334	5.1131
PIDD1	6.043157	6.201733	6.015227	6.432949	6.42555	6.3695575	6.486917	6.5729245	5.811575	6.8326965	7.0622285	7.2161185
PIFO	4.235267	4.445713	4.431637	4.485243	4.479101	3.618687	4.180341	4.675043	4.550813	4.04002	4.148214	4.109921
PLCE1-AS2	3.4701825	3.5509645	3.427441	3.713662	3.6526055	3.3414345	3.4184805	3.7033385	3.3945065	3.331812	3.6851245	3.3516475
PLCG1-AS1	2.524378	2.734321	2.651315	2.809636	2.429348	2.535539	2.554447	2.722778	2.829205	3.171896	3.132771	3.049744
PLCH1-AS1	4.000912	4.583337	4.05597	4.440881	4.059136	4.034602	3.950562	4.079679	3.781822	3.923928	3.942476	3.853847
POMK	4.54787	4.897708	4.483008	4.694263	5.267357	5.085781	5.481044	5.188033	5.00434	4.871089	5.1878	4.537818
POT1-AS1	2.667508	2.714213	2.612837	2.750323	2.723215	2.540035	2.834798	2.84487	3.199718	2.883546	3.11892	2.972238

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
PRAC1	3.060884	3.320099	3.007087	3.141642	2.809673	2.806979	2.830099	3.263443	2.952497	2.963108	3.170706	2.683185
PRAC2	4.869868	4.732352	5.05969	4.929648	4.643863	4.703214	4.698601	4.645963	4.709723	4.530579	4.539681	4.34094
PRKG1-AS1	3.362716	3.222545	3.151788	3.265322	3.117237	3.063519	3.032097	3.320866	3.205378	3.253733	3.201802	3.038498
PRORY	4.259714	4.349605	4.462288	3.994884	4.134365	4.061327	4.107821	4.14327	4.130083	4.188777	4.06545	4.045029
PROSER2-AS1	3.196854	3.710847	3.587837	3.4959575	3.4013765	3.4048625	3.436701	3.378611	3.4326405	3.315462	3.6119305	3.3956925
PROSER3	5.9358955	5.9087635	5.669259	5.81301	5.5999395	5.530367	5.612775	5.460314	6.274152	5.869171	6.072364	5.4593575
PRR26	3.0446305	3.0834345	2.93565	3.1517495	3.224158	3.213901	3.205154	3.2198735	3.0689305	3.272883	3.2362225	2.94825
PRR29	5.804976	5.969623	5.779227	5.979277	5.875911	5.594736	5.792658	5.897362	5.804096	5.416157	5.975986	5.75934
PRR30	5.372531	5.025867	5.401359	5.246135	5.290051	5.29775	5.203121	5.255155	5.340625	5.29408	5.401654	5.201818
PRR32	3.340453	3.728346	3.594282	3.282791	3.641059	3.595785	3.598202	3.683836	3.698369	3.692111	3.561155	3.554836
PRR34	6.252484	6.531637	6.430037	6.56595	6.400083	6.456912	6.070738	6.397193	6.470911	6.254562	6.570226	6.08783
PRR34-AS1	8.578371	7.65667	7.749126	8.581445	8.851405	9.000225	9.540944	8.754567	7.573524	9.093165	9.478193	9.045609
PRR35	6.274738	6.624383	6.441558	6.480377	6.447943	6.632896	6.481123	6.368351	6.303778	6.752105	6.860297	6.329474
PSMB8-AS1	4.6742945	4.4671905	4.5618885	4.6412695	4.585492	4.218592	5.5983705	4.559752	5.7165355	4.8670615	5.6715745	4.9527135
PSMG3-AS1	5.762119	5.404605	6.120936	5.777267	5.537251	6.533003	5.553983	5.830833	7.142246	6.276374	6.608318	5.964332
PTGER4P2-CDK2AP2AS1	5.374201	5.24763	5.328876	5.528878	5.579995	5.288486	5.401949	5.342742	5.08229	4.933937	5.288388	5.041095
PTPRD-AS1	2.887004	2.592139	2.569596	2.607053	2.693004	2.829549	2.996594	2.640644	2.718071	5.187897	2.63044	6.914565
PTPRG-AS1	3.842418	2.99573	3.068854	3.556902	3.399988	2.353833	3.472906	3.381429	4.041973	4.595243	2.97463	3.676057
PWAR5	3.232999	3.194595	3.345105	3.287086	3.169649	3.615152	3.091958	3.2641	3.125249	3.239027	3.341679	2.968383
PWAR6	4.554781	3.627113	4.297031	4.320204	4.196507	6.406878	4.5864015	4.2124985	5.069127	7.789245	4.7614415	3.229429
PXYLP1	5.521078	5.68571	5.774362	5.709541	6.2713205	6.3872275	6.771364	5.943486	5.72874	6.120112	5.264637	6.237221
RAB29	5.99933	5.861659	6.268344	6.522995	7.883875	7.760208	6.915429	7.855553	8.641015	6.236001	8.144589	6.911843
RAP2C-AS1	3.895015	3.988288	4.135312	3.775971	3.870209	3.70476	3.872187	4.10797	4.01209	3.962141	3.988288	4.408618
RBBP8NL	4.600709	4.696614	4.611839	4.397618	4.372952	4.5069	4.511155	4.659875	4.651637	4.566247	4.568753	4.317374
RBFADN	4.543903	4.721931	4.590906	4.2797565	4.3121945	4.294526	4.4403075	4.5501095	4.5446055	4.7820795	4.5198025	4.5713795
RBPMS-AS1	5.561861	5.599961	5.476469	5.793632	5.047682	4.781695	4.952419	5.001561	5.718078	4.514468	4.818151	4.576415
REC114	4.174281	4.492137	4.169523	4.331533	4.863548	4.772097	4.764669	4.724659	4.208052	4.4532	4.710966	4.431965
REXO1L1P	3.929011	3.945908	3.929011	3.662147	3.832542	3.4613	3.836076	3.678439	3.4282	3.914281	3.542957	3.522475
RGMB-AS1	3.614649	4.253448	3.620867	3.658542	3.544948	3.423925	3.598888	3.677993	3.590693	3.321867	3.595597	3.136827
RGPD4-AS1	2.752913	2.52903	2.708737	2.443091	2.48809	2.38446	2.419292	2.470338	2.372168	2.324607	2.429348	2.233211

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
RIC1	5.6318375	5.7428155	6.098242	5.8756845	6.441351	6.7423975	6.3107765	6.485325	6.104221	5.7116145	5.837077	5.8592605
RIPPLY3	3.221832	3.174422	3.339843	3.303797	3.08748	3.029632	3.101777	3.119332	3.307882	3.132892	3.072244	2.964921
RNF185-AS1	5.241374	5.40834	5.163607	5.511363	5.49575	5.121823	4.951753	5.123935	5.72937	4.890773	5.106862	4.941947
RNF212B	3.544745	3.784938	3.883787	3.58305	3.644094	3.437409	3.690942	3.577501	3.78533	3.492219	3.698421	3.625399
RNU6-64P	4.099236	3.768288	4.039814	3.884301	4.385106	4.145143	3.973756	4.115541	4.037508	4.031247	4.308434	3.743928
RNU6-82P	3.228901	2.597347	2.584633	2.6464	2.460005	2.496795	2.675245	2.65307	2.44293	4.377004	2.690852	5.063006
ROR1-AS1	2.539665	2.674006	2.546242	2.534528	2.577823	2.441744	2.34149	2.51994	2.572513	2.368161	2.531251	2.33089
RPARP-AS1	3.8889135	4.0338635	4.5575385	4.014986	4.4420985	4.256568	4.6323435	4.183349	4.060562	4.160386	4.6829275	4.3219115
RRS1-AS1	2.486989	2.350442	2.378132	2.449168	2.510473	2.948783	2.709644	2.367424	2.491074	2.338729	2.561238	2.656177
RSPH14	4.7832595	5.0105975	4.6976335	4.7392975	4.726302	4.4866975	4.396254	4.668783	4.5530395	4.1268215	4.7047915	4.3840045
RSU1P2	2.9052085	2.607681	2.7720725	2.7280785	2.738389	2.6196	2.50675	2.748285	2.654396	2.605946	2.6652885	2.8166055
RTCA-AS1	2.31838	2.212715	2.594436	2.219817	3.425398	3.097106	3.584827	3.508056	3.30337	5.004356	2.50927	5.270897
RTP5	5.550089	5.847033	5.448754	5.983132	6.096218	5.883524	6.097121	6.148097	6.080078	5.871869	5.891525	5.415242
SARAF	10.70462	10.2548	10.76178	11.03432	11.3451	11.53744	11.07673	11.37477	10.89115	11.03324	11.38336	10.92542
SCAND2P	4.417838	4.5152895	4.344707	4.351984	4.2894135	4.3935755	4.2460785	4.5543385	4.413014	4.1680355	4.764711	4.564186
SCART1	5.155828	5.3244	5.093286	5.125573	5.107765	5.057047	5.144855	5.026474	5.045223	5.075478	5.220239	5.045885
SCIMP	4.788334	4.849106	4.783877	4.886771	4.801551	4.496318	4.782182	4.523299	4.797839	4.620466	4.869023	4.519262
SCOC-AS1	3.20365	3.1133605	3.224936	3.120881	3.374936	3.3179445	3.153593	3.4220905	3.541203	3.3570665	3.232007	3.4854055
SCP2D1	4.400404	4.253011	4.34481	4.167288	4.343553	4.274792	4.313031	4.361829	4.18124	4.12839	4.581257	3.879093
SENCR	5.449492	5.788819	5.912982	5.831442	5.135353	6.076102	4.85042	5.186148	5.340329	4.85565	5.29116	4.853351
SEPSECS-AS1	2.736833	3.152036	2.697858	2.958701	3.031293	2.729391	2.884117	2.851649	2.521971	3.418536	3.002196	3.343787
SEPT5-GP1BB	5.3864965	5.952324	5.542429	5.4411205	5.1025705	5.1266475	5.107483	5.1449665	5.046217	4.882171	5.134111	5.0844745
SERPINB9P1	4.757237	5.075284	4.828415	4.881823	4.962578	4.793043	5.200869	4.983077	5.549428	4.904913	4.842223	4.354702
SH3PXD2A-AS1	3.611754	3.830818	3.701917	3.789308	3.468679	4.804785	3.669248	3.359648	3.812059	3.480385	4.029748	3.476141
SLC25A21-AS1	4.510225	4.337151	4.407816	4.285397	4.455338	4.183879	4.482847	4.307784	4.818151	5.503616	5.75034	5.305768
SLC25A25-AS1	5.879544	5.949643	6.078591	6.010443	5.920092	6.113808	5.829637	5.984889	6.79547	6.61308	6.558923	7.117434
SLC8B1	5.5200085	5.9865475	5.9146925	5.6083215	6.337891	8.949767	6.936762	6.4801205	5.6939415	5.665504	7.234857	6.064993
SLCO4A1-AS1	5.295677	5.418097	5.249923	5.578856	5.670921	5.543496	5.473208	5.604908	5.154808	5.043922	5.391723	5.032561
SLIT1-AS1	4.148876	4.579019	4.521396	4.219893	4.085223	4.3819	4.120669	4.12394	3.743429	4.008769	3.805363	4.1468
SLX4IP	5.466491	5.391388	5.4465865	5.52759	6.1618355	5.825312	6.24666	6.1235565	6.3052675	6.990746	6.6404485	6.97925

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
SMAD1-AS2	2.990054	3.065146	2.983682	3.032225	3.008863	2.971591	2.919916	3.023975	2.849333	2.647954	2.982961	3.072965
SMCO1	3.199332	2.970726	3.254357	3.074964	3.302457	3.03626	3.058764	3.014543	2.920312	2.804668	2.886966	2.721223
SMCO3	3.170694	3.404647	3.022417	3.33427	3.530684	3.278613	3.305971	3.36603	4.209922	3.916594	6.225566	4.488895
SMIM10	3.622489	3.854449	3.772831	3.899842	3.40821	3.276173	3.559798	3.472069	5.058392	3.256528	3.992308	2.935327
SMIM17	3.408809	3.171092	3.924442	2.995416	2.569015	2.470372	2.305799	2.329739	3.06717	4.286299	2.824693	2.66904
SMIM21	3.5961005	3.5708125	3.521122	3.627119	3.6766965	3.559365	3.689176	3.7800915	3.563378	3.481606	3.432919	3.464581
SMIM22	5.130677	5.248172	4.976224	4.893317	5.302243	5.117287	5.16792	5.502438	4.794105	4.942665	5.436253	4.905904
SMIM24	4.530161	4.812421	4.507932	4.966064	4.707627	4.471613	4.507073	4.391687	4.605026	4.135365	4.543044	4.240049
SMIM5	4.586533	4.533283	4.379687	4.660082	4.383684	4.165077	4.487679	4.438264	4.248099	4.255619	4.356712	4.046645
SMIM6	4.528118	4.072338	4.21009	3.999969	4.136597	3.891004	4.247291	4.030358	3.791253	4.141262	4.174305	3.92259
SMKR1	3.061455	3.216027	3.698732	3.177027	3.442075	5.925354	3.553888	3.620436	4.377004	3.902102	5.036009	3.340158
SMLR1	3.255625	3.366525	3.502677	3.164338	3.3700665	3.611343	3.268235	3.181994	3.465858	3.033444	3.251939	3.3305595
SNAI3-AS1	4.720631	5.2012445	4.865442	5.041823	5.000023	4.8003305	5.2434585	4.9332995	5.2814355	5.5910025	4.89984	5.100705
SNAP25-AS1	3.572212	3.537379	3.425276	3.353885	3.479891	3.719295	3.225829	3.440775	3.097615	3.277407	3.24446	3.309338
SNHG18	7.262509	7.912298	8.402104	7.226435	6.476432	5.755837	6.059127	6.479099	7.979877	7.274744	5.387065	6.419625
SORCS3-AS1	4.012665	4.17769	4.098462	4.243149	4.41328	4.042302	4.201045	4.243149	4.525024	3.81972	4.512861	4.305096
SOX9-AS1	3.1690035	3.1783765	3.264397	3.434113	3.2600005	3.342038	3.2933325	3.3408475	3.3367285	3.3717995	3.346851	3.5586625
SPATA3-AS1	4.932472	5.168212	4.881824	5.024984	4.957669	4.47117	4.756949	4.786263	4.812961	4.780061	5.070826	4.603852
SPATA31C2	2.861948	2.747089	2.583399	2.711091	2.603382	2.621249	2.574322	2.631206	2.623445	2.499514	2.617468	2.62901
SPATA31E1	3.766398	3.9500705	3.813037	3.784061	3.935207	3.90562	3.791397	3.9208955	3.6252585	3.56304	3.9124565	3.686776
SPATA32	5.1558645	5.757338	5.703593	5.4722685	5.486334	5.1987095	5.399981	5.468984	5.462651	5.3448995	5.2844335	5.299358
SPATA33	5.504213	5.6245755	5.4280225	5.223306	5.2889945	5.945249	5.2821905	5.3209825	5.4858705	5.457609	5.3641175	4.970984
SPATA41	3.656223	3.465151	3.806006	3.780739	3.271767	3.637214	3.609219	3.721479	3.811386	3.481419	3.60504	3.37879
SPATA42	3.000608	3.044725	3.035295	3.062697	3.131561	3.295959	3.388501	3.308742	2.953338	2.859426	3.017748	2.715641
SPATA45	3.048542	3.471415	3.424087	3.322375	3.341131	3.174978	3.223254	3.469983	3.282658	3.174978	3.17564	2.967001
SPX	3.607457	3.6388825	3.706569	3.6569475	3.70019	5.428837	3.684816	3.828328	6.6545	3.5626655	4.1030885	3.48438
SSC4D	5.055652	5.312217	5.073884	5.213987	5.092145	5.091876	5.097898	5.203494	5.581912	4.960127	5.039396	4.955032
SSMEM1	2.8328155	2.9017365	2.9344675	2.8229105	2.65596	2.4544335	2.5908115	2.641681	2.592908	2.76225	2.5337655	2.4588125
SSUH2	5.551336	5.556336	5.570728	5.743716	5.770802	5.658233	5.556834	5.753252	5.669415	5.336734	5.452926	5.125834
ST8SIA6-AS1	4.078565	4.399269	4.005502	3.915932	4.133973	4.092732	4.144026	4.515436	4.119181	3.815931	4.118805	3.641455

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
STARD13-AS	4.4488035	4.378122	4.2583065	4.623883	5.1420765	4.6082255	4.4468355	5.028154	3.991132	5.9861145	6.7658145	5.3628575
STARD7-AS1	5.588855	5.608944	5.227437	5.867684	5.809876	6.320884	5.493976	5.837811	5.958603	5.594661	6.109973	5.40116
STK26	5.423381	5.049655	5.6291335	6.3993505	7.7424055	7.8840505	9.142352	7.4933925	7.3240615	8.206575	5.6947115	7.9871785
STKLD1	3.966328	4.416198	4.176306	4.2564625	3.788778	3.992158	3.946912	3.9936905	4.2226465	3.908869	4.3280255	3.9544725
STX17-AS1	6.315424	6.664135	6.4015515	6.574463	6.253306	6.0137755	5.834574	6.2932705	6.605603	5.994026	6.1241765	5.9119315
STX18-AS1	3.441097	2.858002	3.42353	3.22078	3.57829	2.964378	3.61266	3.738095	4.008694	4.543733	3.367463	4.25373
SUCLG2-AS1	4.000212	3.871898	4.052279	3.910619	4.356653	4.166095	3.887903	4.74605	3.838674	2.952073	4.149666	3.124196
SUGCT	5.113795	5.914915	5.873694	6.280855	7.568588	9.155003	7.936564	8.238296	6.378295	7.58794	10.13672	7.645041
TAF1A-AS1	4.978704	4.590357	4.756093	4.353892	6.25246	6.012049	4.910239	6.186029	5.363715	5.340307	6.171256	5.196794
TBC1D22A-AS1	4.13	4.30794	4.08712	4.158915	4.132369	4.019377	4.137264	4.00512	4.238507	4.039712	4.102692	3.880723
TENM1	3.057214	3.1907505	2.951484	3.0394175	4.450253	3.1985595	2.807827	4.636502	2.9655435	3.233422	3.3328475	4.0080855
TENM2	9.729044	10.71128	10.67808	9.836864	7.343119	3.77479	3.839357	7.404638	6.87964	5.82829	8.252096	3.602223
TENM4	6.479697	6.25625	6.079936	7.349854	5.351953	6.158481	5.138539	5.303096	7.848101	6.02375	7.334974	7.928471
TEX36-AS1	2.544221	2.67363	2.793132	2.774674	2.591503	2.97524	2.585643	2.69816	2.734882	2.545439	2.965388	2.327415
TEX37	5.074522	5.36521	4.959763	4.950037	5.114382	5.045809	4.883046	5.035527	4.753439	4.865666	5.281692	4.924967
TEX38	4.373061	4.65229	4.640825	4.61173	4.62407	4.135232	4.182461	4.459283	4.268786	4.279821	4.104464	3.799853
TEX43	2.812876	2.898472	2.718882	2.949862	2.855678	2.89066	3.060069	2.852945	2.928103	2.844196	3.159062	2.719684
TFAP2A-AS1	4.9174405	5.0338305	4.9065995	5.054372	5.1155505	5.758083	4.799606	4.7980805	5.553026	5.1849395	4.9421515	5.2759185
THEG5	3.511661	2.997499	3.667433	3.353335	3.362445	3.327681	3.314228	3.280114	3.314468	3.247409	3.511661	3.16372
TINCR	4.951791	5.290717	4.912537	4.993799	4.972059	4.790673	4.818151	4.811939	4.574636	4.709261	4.75533	4.810629
TLDC2	4.348215	4.209113	3.789586	4.254855	3.27679	3.702162	3.613825	3.784498	3.852677	3.202982	3.900738	3.264832
TMCC1-AS1	2.865988	2.879591	2.794157	2.861043	2.768457	2.977639	2.784204	2.86775	2.906115	2.740082	3.026675	3.027751
TMEM108-AS1	3.814445	4.300817	3.673133	3.90086	4.199335	4.033734	4.118448	4.338811	4.381006	3.896645	4.431873	3.772301
TMEM147-AS1	6.3526715	6.34122	6.160966	6.0563025	6.5992215	5.63173	6.443812	6.3661145	6.2381845	6.607823	7.070769	6.409022
TMEM254-AS1	5.618775	5.782694	5.512414	5.635852	5.665813	5.55459	5.643249	5.488136	5.962442	5.589311	5.843396	5.721107
TMEM255A	2.577566	2.49893	2.55856	2.315282	2.326517	6.473022	2.850169	2.596889	2.786333	2.441321	2.762603	2.357631
TMEM255B	4.764208	4.429736	5.25192	4.414627	3.634799	4.242243	3.728057	4.028938	4.189888	3.804388	5.279997	3.934715
TMEM262	4.69593	5.241651	4.815018	4.762521	4.665678	4.627093	4.713728	4.735785	4.819813	4.546681	4.953118	4.546681
TMEM263	11.2769	11.15166	11.1128	11.57806	11.08012	11.06011	10.7774	11.21862	11.22806	10.51468	10.0337	10.44493
TMEM51-AS1	3.970416	4.2434405	4.323212	4.2618935	3.920042	4.086224	3.942339	3.7477935	3.973703	3.4872945	4.210193	3.816567

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
TNK2-AS1	3.378186	3.369012	3.419131	4.014945	3.708734	3.443413	3.417529	3.528825	3.934433	3.458477	3.497864	3.195292
TOLLIP-AS1	4.589162	4.699943	4.752532	4.670013	5.283493	5.332593	5.434607	5.258688	5.260962	5.003421	4.97842	4.863922
TPTE2P5	3.248667	3.740286	3.202769	3.553422	3.56072	3.4268255	3.4214565	3.538436	3.534495	3.343675	3.5850175	3.436627
TRAPPC3L	2.871794	3.2569	3.022417	3.176741	3.084894	3.250456	3.089708	2.946619	3.128682	3.098474	3.046139	3.172568
TRG-AS1	3.717748	3.787835	3.610979	3.941296	3.303787	3.599532	3.460803	3.448655	3.639637	3.271507	3.494077	3.496878
TRPM2-AS	4.992156	5.53503	5.302256	4.969941	4.96884	4.845665	5.083704	5.149347	4.864547	4.471113	4.969941	4.907804
TUNAR	4.049691	4.222426	4.667688	4.585351	4.524671	4.878836	4.464283	4.846704	4.513528	4.337749	4.969879	4.244612
TUSC7	3.2529925	3.218779	3.29432	3.1066675	3.3602075	2.9635845	3.071714	3.4018885	3.156073	3.08468	3.2745085	3.2379955
TUSC8	2.918344	2.810325	2.846963	3.448876	2.400248	2.371212	2.920408	2.693861	2.625264	2.43556	2.66478	2.3503
TVP23A	3.534388	3.606079	3.342174	3.648726	3.500313	3.118629	3.382144	3.511028	3.507483	3.041776	3.447662	3.100807
TXLNGY	6.212695	3.130027	4.049993	5.219996	6.879595	3.657365	6.687216	6.812085	6.823419	7.358199	6.127275	3.475623
TYMSOS	4.80829	5.496208	4.661526	4.807562	5.094865	6.829721	5.366576	5.292978	4.768012	4.836658	5.90889	5.141776
UBE2E2-AS1	4.16019	3.64852	3.680385	3.717694	3.548389	3.327028	3.452319	3.280929	3.626125	3.548389	3.639946	3.421669
UBE2Q2L	5.502329	5.63181	5.36784	5.040453	4.963979	4.525735	5.156383	4.648317	5.492811	5.222689	4.647606	4.953797
UNC5B-AS1	4.309645	4.642831	4.499996	4.397752	4.310165	4.892433	4.204564	4.576151	4.866505	4.769201	5.132515	4.620265
UQCC3	7.231968	7.297008	6.967734	7.406733	7.294163	7.520159	8.026468	7.017694	6.952253	7.452888	7.402272	7.834223
USP2-AS1	2.914389	2.926397	3.090716	2.739145	2.592479	2.915067	2.543003	2.925024	2.689359	2.988014	2.640689	3.061611
USP27X-AS1	4.634066	4.561708	4.596761	4.316486	4.261255	4.128111	4.399689	4.369134	4.850764	3.780105	4.944352	4.372299
USP3-AS1	3.052907	2.945055	2.945055	2.954569	3.915579	4.081308	3.922801	4.124952	3.561453	3.521923	4.508216	3.844295
UTS2B	3.16187	3.177214	2.988678	2.905421	3.184613	2.85556	2.805696	3.038498	2.880787	2.524148	3.565093	2.957279
VAC14-AS1	3.628294	3.181125	3.547448	3.375	3.251319	2.925535	2.99923	3.193847	3.235892	2.887208	2.959599	2.918068
VLDLR-AS1	5.375322	4.936205	4.958442	5.046712	5.489028	5.247517	5.519149	5.653991	5.554049	5.766092	7.382968	5.952993
VPS9D1	6.112111	6.218714	6.370847	6.196855	5.475913	4.961685	4.835375	5.249929	5.916472	5.715227	5.183006	6.165991
VPS9D1-AS1	6.089973	6.148756	5.698636	6.096272	6.092818	5.716083	6.101581	5.954441	5.719551	5.741747	5.957649	5.831459
VSTM2A-OT1	3.083453	2.841421	2.593316	2.781665	2.894306	2.750114	2.807611	2.855508	2.713505	3.11467	3.055702	3.492067
WEE2-AS1	3.798007	3.603327	4.140491	3.775416	3.553192	3.905021	3.552236	3.746792	4.921831	3.781822	4.103335	3.257359
WFDC21P	6.508541	6.342365	6.60413	6.498491	7.884587	10.53245	7.568588	8.096664	10.79987	6.567547	10.32214	6.01866
YBX3	7.5026625	7.703325	7.704927	7.3858915	8.315044	8.9424025	8.743043	8.9886125	8.307538	8.289512	9.366729	8.791209
YWHAEP7	4.4615155	4.619439	4.449573	4.889628	4.8067855	4.7035315	4.886691	5.1085205	4.726135	4.542303	4.6744745	4.6030995
ZBED6CL	3.635039	3.650845	3.949986	3.986911	4.0229	3.904784	4.126842	4.201193	4.274718	5.754498	4.084482	4.580349

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ZBED8	6.611806	5.564689	5.188918	6.425496	5.866412	5.239267	6.153767	5.945018	7.207013	7.022396	6.473115	6.5151
ZBED9	3.814284	3.635839	3.448233	4.046058	5.744649	6.228818	5.892534	5.610847	4.777584	6.472106	4.537817	6.577068
ZBTB11-AS1	4.140505	3.8656905	3.9781705	4.322423	4.755758	5.1519015	5.288015	4.7697885	4.264727	4.540942	4.655301	5.0092315
ZFP69B	3.635848	3.818642	3.51578	3.99313	3.75407	5.187637	4.691141	3.983882	4.075412	5.231939	5.864746	4.537817
ZHX1-C8orf76	5.144152	4.997738	5.141296	5.352505	5.433849	5.571896	5.433849	5.446349	5.436868	5.043922	4.885231	4.5348
ZKSCAN8	5.9556	5.884986	5.8225005	5.3009415	5.5182135	5.651917	5.1337015	5.3915365	5.7272445	5.308052	5.0848685	5.3670465
ZMIZ1-AS1	6.449741	6.080639	5.460633	5.339156	4.769374	5.378324	4.324326	4.493279	5.005731	4.941835	4.922607	4.64495
ZNF529-AS1	5.133265	5.845459	5.365696	4.771818	4.71265	4.99062	4.347597	4.714186	5.169127	5.352581	5.289949	4.86631
ZNF542P	7.3622625	7.8649645	7.390401	7.0461795	7.12068	7.3119765	6.8091995	7.0248295	7.110009	7.445737	7.513655	7.3843695
ZNF561-AS1	5.986786	6.124083	5.935022	5.955641	6.144807	5.68464	5.918109	6.190574	6.137841	6.660489	6.234356	6.679471
ZNF767P	6.520453	5.682161	6.257814	5.754382	5.872465	5.266906	6.035999	6.072501	6.010675	7.026182	6.169921	6.782975
ZRANB2-AS1	3.403338	4.35583	3.544819	3.716852	3.516608	3.611854	3.413083	3.413083	3.543231	3.09386	3.966769	3.423481
AATBC	4.2695	3.790085	4.18521	3.751154	3.86104	3.863364	3.696385	3.802604	3.779305	4.374486	4.167184	3.502998
ACTR3BP6	4.570548	4.843607	4.392485	5.067746	4.765901	4.305551	4.952738	4.86554	4.476517	4.422482	4.738616	4.846258
ADIRF-AS1	5.68688	6.021338	5.9247	5.790078	5.613402	5.421568	5.220338	5.436367	5.341173	5.40227	4.985983	5.066467
ALOX12-AS1	4.5450935	4.5184785	4.6573185	4.3858895	4.9546805	4.6688385	4.4522355	4.7499795	4.5371485	4.4904005	4.9077335	4.387059
ATP13A4-AS1	2.404913	2.433566	2.55856	2.650287	2.698596	2.540705	2.400447	2.469828	2.507637	2.38423	2.304994	2.50246
ATP2A1-AS1	4.806096	4.800155	4.468599	5.206487	4.859171	4.42126	5.435041	4.915817	4.413708	5.651589	5.630279	5.432341
B3GALT5-AS1	3.460373	3.8310705	3.6503915	3.7224765	3.571434	3.545941	3.4733005	3.541181	3.232902	3.3775025	3.437601	3.41105
B4GAT1	6.5238295	6.521005	6.74839	6.7832105	6.640136	7.5273545	7.1591345	6.827248	6.7331255	7.065109	7.1017425	7.372015
BAALC-AS2	4.449732	4.783706	4.3946925	4.582044	4.4607555	4.250457	4.370363	4.456998	4.4961495	4.388408	4.5344995	4.2775385
BANCR	4.407608	4.341497	4.392274	4.130094	4.703279	4.602174	4.617746	4.626464	4.236278	7.363586	4.346325	9.292185
BBOX1-AS1	6.07493	5.696185	5.404623	5.762871	6.420807	6.92239	5.577484	6.739876	4.704427	4.850764	7.710271	5.061434
BGLT3	5.236782	5.385755	5.084813	5.215521	5.010981	5.047771	4.824782	5.106791	5.305502	4.910285	5.210107	5.214875
BLACAT1	2.948232	3.618097	3.387014	3.092383	3.161328	3.827145	3.318974	3.324569	3.208659	3.147773	3.009163	3.33107
BMS1P2	6.145055	5.796653	6.571715	6.054809	6.142202	5.694287	6.278565	6.192007	5.932704	6.44055	5.966621	6.565133
C21orf62-AS1	4.6300215	4.88305	4.6747615	4.595244	4.924653	4.9112755	4.664809	4.851599	4.79337	5.0387535	5.29935	4.9990075
C5orf66-AS1	2.898332	3.081459	2.847144	2.550745	2.838577	2.859426	2.944908	2.880275	3.037683	2.705745	2.696659	2.915328
CARD8-AS1	4.5623425	4.287805	4.207909	4.899695	5.004555	6.146505	4.931573	4.9794445	5.097837	4.098287	5.1847765	4.5030715
CASC23	5.405563	5.535894	5.406944	5.629739	5.700449	5.161808	5.494461	5.390565	5.058392	5.178884	5.364613	5.151355

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CCDC182	5.150939	5.611447	5.102606	4.998908	4.957717	4.697686	4.915815	4.890261	4.758187	4.443419	4.876088	4.66811
CEP295	5.072972	4.9340275	5.185002	5.0428365	5.5766005	5.1000985	5.8356295	5.489042	5.5545645	6.14069	4.9725255	5.927422
CFAP126	3.502082	3.781822	3.398122	3.40703	3.717584	3.733565	3.604027	3.19126	3.657529	3.512126	3.515677	3.458588
CFAP52	3.4445955	3.4515125	3.4503615	3.475428	3.8109715	3.680615	3.6442565	3.750014	3.7218325	3.6192465	3.6691165	3.516817
CH17-340M24.3	7.426451	7.392924	7.672861	7.693403	8.223542	7.00266	7.787901	8.372935	8.022903	7.734138	7.65443	7.502499
CPEB1-AS1	3.214249	3.268788	3.189259	3.361456	3.192101	3.272497	3.069717	3.278813	2.988722	2.803405	3.243984	3.230922
CTD-2350J17.1	2.771355	2.701375	2.696523	2.483092	2.663604	2.756362	2.659045	2.55453	2.791664	2.633582	2.664779	2.659885
DARS-AS1	4.093755	3.793798	3.990183	4.389751	4.251418	4.005792	4.029389	4.059906	4.339918	4.140176	4.25049	3.760085
DIAPH2-AS1	2.9435	3.103068	3.394371	3.019112	3.3784995	3.154797	3.0884405	3.2179735	3.175054	3.225728	3.3321225	3.037179
DLG3-AS1	4.589642	4.772818	4.751102	4.691758	4.420494	4.186866	4.495481	4.699416	4.236114	4.415163	4.648138	4.305202
DNAAF5	7.911375	8.105036	8.1700105	7.983627	8.131787	8.6362685	8.7724385	7.923924	8.256575	7.4814295	7.9897165	7.2336595
DNM1P34	5.6326345	5.7753835	5.6639465	5.918557	5.9695275	5.8174725	5.9311265	5.97732	5.7751935	5.579	6.033947	5.768734
DPP10-AS3	3.034474	2.842727	3.143592	3.240933	3.383524	3.419276	3.322664	3.151613	3.204479	3.135587	3.373874	3.177888
DSG2-AS1	2.686812	2.955087	2.762033	2.776452	2.841105	2.929111	2.61305	2.795007	4.682027	2.856678	3.190348	2.747111
DUSP5P1	4.145006	3.659766	4.756094	4.240222	3.950562	3.278614	4.025754	3.739198	3.906113	4.230136	4.130211	5.062808
EEF2KMT	6.75141	6.882917	6.656243	6.817592	6.397159	6.79982	6.702262	6.266835	6.373208	6.640104	6.938921	6.740047
ELFN1-AS1	5.390735	5.928719	5.747172	5.834512	5.58872	5.550392	5.462954	5.740724	5.558208	5.672587	5.710227	4.992845
EWSAT1	5.098828	4.851392	5.177297	5.174254	5.314958	5.76604	5.337154	5.246533	5.28667	5.281025	5.462643	5.454097
EXOC3-AS1	4.6908	4.68934	4.733794	5.350979	4.880954	5.178134	5.511173	4.802002	5.237912	5.201093	5.141086	5.559962
FAM167A-AS1	3.509895	3.128987	3.590941	3.456878	3.45349	3.50221	3.444621	3.407216	3.314884	3.163805	3.381529	3.169696
FAM205BP	3.553521	3.5791805	3.7212935	3.734422	3.670606	3.42964	3.4996015	3.5652075	3.483349	3.6090295	3.6776795	3.5950315
FAM223A	3.623722	3.660013	3.434214	3.757216	3.606008	3.631269	3.569956	3.534035	3.995394	3.600612	3.774994	3.321358
FAM83C-AS1	4.455987	4.776628	3.804214	4.363179	4.333677	4.103554	4.094247	4.196945	4.287617	3.902329	4.480727	3.895007
FOXD3-AS1	4.107991	4.70902	4.078664	4.31846	3.447014	3.709049	3.747833	3.333801	3.614192	3.159194	3.696375	3.126554
FOXP4-AS1	3.907315	3.70954	3.594693	3.844418	4.386468	5.927813	6.21755	4.467533	2.958829	6.47978	5.768186	6.006147
GABRG3-AS1	4.942374	4.986151	4.945251	5.184945	5.165203	4.795896	5.051446	5.19614	4.762529	4.807183	5.522666	4.807668
GAS8-AS1	3.374214	3.834581	3.70149	3.87329	3.676057	3.821311	3.791423	3.88626	3.819715	3.866696	4.073775	3.244675
GLMP	7.432631	7.662317	7.537014	8.007121	8.196318	7.846349	8.156083	8.206199	8.70809	8.053171	7.937842	8.001341
GLYCTK-AS1	4.058185	4.09486	4.36639	3.896889	4.102843	3.979989	4.06227	4.154602	4.029864	4.262387	4.207502	4.076257
GS1-124K5.4	6.603625	6.485723	5.642975	6.8516	7.179784	8.195029	7.158477	7.359549	6.735407	7.627041	7.911654	7.321927

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
HAGLROS	5.410806	5.463384	4.827638	5.350732	5.081023	4.307436	5.297437	4.979636	4.368323	5.51756	5.218458	5.497306
HMMR-AS1	3.064226	2.879457	3.100308	3.426566	4.058417	3.00494	4.34058	4.088514	3.480314	2.916901	3.27589	3.278436
HNF4A-AS1	2.587076	2.323224	2.43569	2.438254	2.685409	2.482454	2.490011	2.483342	2.32193	2.34572	2.238466	2.315092
ID2-AS1	5.781784	5.66963	6.260089	5.657516	5.580983	4.988998	4.619242	5.217149	5.04254	4.564031	5.214994	4.566255
IGF2BP2-AS1	3.5826105	3.763452	3.600121	3.620643	3.9051055	3.6226015	3.6730415	3.6231475	3.5526455	3.3615625	3.540575	3.443845
INTS4P1	2.786241	2.904843	2.798329	2.659449	2.830331	2.46951	2.823651	2.823067	2.727671	2.636736	2.740308	2.616902
IPO9-AS1	4.751157	4.74648	4.718634	4.643675	4.806638	4.615661	5.117225	5.055387	4.596257	4.493018	4.730825	4.683245
IQCJ-SCHIP1-AS1	4.444032	4.749683	5.072605	4.763638	4.80884	4.690752	4.678806	4.537817	4.457754	4.661179	4.493068	4.452126
KCNE5	4.222416	3.720698	4.001887	3.99328	4.168952	4.248932	4.056211	4.470334	4.168952	3.89224	4.261639	3.781822
KIAA2012	2.893912	3.585725	3.005562	3.157378	3.161328	2.845291	3.127816	3.089708	3.089708	3.080284	3.002484	3.109461
L3MBTL4-AS1	4.559981	4.069106	3.94443	3.944972	3.827982	3.842157	3.781823	3.710017	3.947978	3.781823	3.846837	3.627454
LAMA5-AS1	5.666154	6.501171	5.767892	5.743954	5.850516	5.677152	5.801453	5.775927	5.750189	5.285281	5.922275	5.29108
LBHD1	8.364134	8.010214	7.995508	8.749262	9.87858	8.650164	10.23614	9.888401	8.694628	8.843853	9.409567	8.8514
LCMT1-AS2	3.7050385	4.0167365	3.744139	3.7942975	3.8084925	3.782675	3.8113755	3.9439105	3.8338245	3.7471715	3.933613	4.0969905
LINC00216	3.384981	3.331684	3.395806	3.3253	3.527457	3.099189	3.386472	3.674174	3.197254	3.217885	3.089708	3.244351
LINC00280	4.163401	4.616232	3.935976	4.217954	3.971183	3.825747	3.81556	3.828711	3.908492	3.719049	4.061771	3.862004
LINC00454	4.488302	4.520645	4.328521	4.331533	4.133805	4.182082	4.053033	4.105591	4.395812	4.153243	4.319406	4.05694
LINC00644	2.677571	2.737185	2.90366	2.621791	2.563984	2.631643	2.458285	2.347293	2.496242	2.38752	2.544007	2.499785
LINC00824	4.1130495	4.140332	4.0186235	4.0216155	4.1996815	3.9513605	4.0587635	4.0796055	4.0674275	4.0186565	4.0254815	3.8596485
LINC00867	3.430241	3.891964	4.01387	3.80267	3.901145	3.806022	3.447014	3.86681	3.757964	3.668862	3.959795	3.526754
LINC00868	4.872061	5.76451	5.261878	5.560297	5.266812	5.10822	5.319222	5.512684	5.403113	4.807287	5.249708	4.841334
LINC00907	3.582883	3.781822	3.946464	3.795554	3.76446	3.892395	3.846278	3.885006	3.786977	3.872706	4.053667	4.150382
LINC00993	3.319935	3.06619	3.522909	3.589569	3.093972	3.121316	3.208409	3.339756	3.251425	3.072196	3.246241	2.931014
LINC01006	6.499277	6.523545	6.452456	6.411098	6.868772	6.096273	6.436557	6.705787	7.339387	6.83908	7.268346	6.483557
LINC01103	2.935375	2.894914	2.982321	3.298794	3.784925	2.909554	3.142967	3.205991	3.269017	3.34824	3.038011	3.020695
LINC01139	4.884013	4.733268	5.126152	4.41738	4.540116	4.177827	4.315601	4.677091	9.013621	5.931315	4.361358	5.245419
LINC01149	3.152162	3.113073	3.155449	3.022492	3.130628	3.072829	3.103361	3.164412	2.990849	2.664779	2.925789	2.931014
LINC01153	3.062796	2.78351	2.988643	3.223282	2.772944	2.793815	2.855037	2.854541	2.985122	2.583399	2.801688	2.805745
LINC01189	2.662395	2.670022	2.273326	2.880936	2.604187	2.648494	2.593947	2.420337	2.433677	2.588498	2.657669	2.683578
LINC01213	2.925186	3.206423	2.774405	3.107291	3.023002	3.124092	3.053247	3.230785	2.903049	2.764131	3.275007	2.862986

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
LINC01215	2.494532	2.386627	2.425873	2.358093	2.620824	2.768005	2.499427	2.545125	2.483896	2.64407	2.442012	2.457427
LINC01242	2.510175	2.406999	2.718674	2.321625	2.423134	2.255141	2.381038	2.342234	2.456183	2.594368	2.399629	2.546849
LINC01243	3.152018	3.083182	2.762286	3.137481	3.336149	3.118662	3.245973	3.367311	3.341207	2.936053	3.41684	3.187884
LINC01255	3.348036	3.277841	3.812523	3.512672	3.78072	3.810753	3.449627	3.79317	3.528283	3.320797	3.443252	3.238817
LINC01267	4.246179	4.029502	4.257178	3.895405	4.098365	3.997813	3.977988	4.014632	4.049393	3.986703	4.02542	3.968582
LINC01282	3.417791	3.596734	3.989186	3.64047	3.715028	4.153841	3.534949	3.664701	3.772302	3.787083	3.774994	3.680171
LINC01287	5.30271	5.494645	4.891959	4.834475	4.668843	4.933565	4.836225	4.963415	4.870591	4.441775	5.082479	4.41177
LINC01293	3.305846	2.911775	3.163785	3.266794	3.059168	3.101762	3.101762	2.755525	2.923203	3.100708	3.089708	2.669675
LINC01339	4.782012	5.253797	4.816848	4.764668	4.972169	4.735253	4.605274	4.837502	4.593417	4.704428	4.691835	4.486505
LINC01350	3.129704	3.139778	3.282739	2.960853	3.044646	2.98385	2.860202	3.09317	3.188482	2.976056	3.075416	2.843487
LINC01424	3.354064	3.675021	3.647681	3.394994	3.660486	3.572942	4.075902	3.508371	3.551454	3.922805	3.774994	4.432909
LINC01448	3.171622	2.660195	3.54353	2.92025	2.713908	3.091875	2.872646	2.790268	2.791051	2.841677	3.096639	2.693821
LINC01467	2.869383	2.946326	3.417089	2.962982	3.082119	2.878056	2.80942	3.356993	3.204714	2.988893	3.336617	2.718743
LINC01494	4.029376	3.907829	4.02533	3.61439	3.821869	3.730616	3.615666	3.79291	3.731963	3.794653	3.723035	3.613389
LINC01500	2.303896	2.517099	2.407362	2.497296	2.429348	2.603057	2.407362	2.508063	2.422579	2.259651	2.99152	2.532031
LINC01503	6.145484	6.725364	7.465628	6.760445	10.43392	7.772308	8.765347	10.55616	6.702316	9.958864	10.78026	9.863798
LINC01526	3.771109	3.630047	3.605185	3.785062	3.945846	3.775044	3.833036	3.737642	3.751596	3.761842	3.776284	3.6783
LINC01527	2.196561	2.114981	2.123186	2.156514	2.542746	2.697533	2.344312	2.628202	2.51405	2.25473	2.520992	2.524143
LINC01537	2.288401	2.209164	2.346835	2.114197	2.378631	2.845821	2.283567	2.274748	2.495313	2.373841	2.48095	2.659885
LINC01538	2.648786	2.61527	2.715295	2.940305	2.654791	2.50227	2.792586	2.71366	2.696321	2.398577	2.338798	2.900985
LINC01539	4.497655	4.688647	4.492151	4.200575	4.509456	4.447526	4.292938	4.484149	4.573269	4.156137	5.013395	4.109099
LINC01541	2.279245	2.212804	2.424497	2.376976	2.238087	2.262921	2.274686	2.265541	2.183094	2.321672	2.302654	2.269598
LINC01545	3.72894	4.069106	3.478585	3.797168	3.676057	3.627763	4.048473	4.139477	3.582207	3.161328	3.690241	3.595642
LINC01547	5.797739	5.878971	6.092181	6.241708	5.82515	5.810934	5.552116	5.737279	5.795743	5.743551	5.914083	5.794616
LINC01549	3.070599	2.81585	2.950809	2.606801	2.678188	2.814599	2.77013	3.022397	2.713222	2.756163	2.747111	2.610412
LINC01550	3.854619	3.870283	3.780777	4.058417	3.823771	3.625006	3.943125	4.061109	3.515655	4.188777	3.622797	4.170089
LINC01551	4.309645	4.511211	4.21009	3.937541	4.663144	4.686352	4.64621	4.609968	4.693983	4.764668	5.06552	4.537817
LINC01553	2.219405	2.583444	2.437829	2.382978	2.663917	2.808116	2.667286	2.569269	2.591834	2.948704	2.524384	2.764948
LINC01554	3.532608	3.344393	3.372054	3.445549	3.480367	3.107785	3.357654	3.135392	3.063422	2.960657	3.33745	3.238898
LINC01555	3.006703	3.031402	3.344048	3.15892	3.04252	3.084217	3.160666	3.064922	2.977742	3.04879	2.986922	2.970031

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
LINC01558	3.8225495	4.0739835	4.0146845	3.917923	4.072521	3.916409	3.799143	4.1109275	3.839661	3.9140265	3.8677985	3.980125
LINC01560	4.56858	4.377517	4.664683	4.546646	5.195997	4.477373	5.31128	5.104533	5.66977	6.357773	5.413845	5.919722
LINC01561	3.970908	4.104926	4.031876	3.872037	4.315468	3.920205	4.157709	4.346894	4.185976	4.235053	4.075068	4.107356
LINC01563	4.718525	4.590965	4.658866	4.298499	3.97787	3.752629	4.042788	3.975064	4.005339	3.843104	4.186805	3.969327
LINC01565	5.372531	5.92777	5.642221	5.469859	5.379229	5.410345	5.402949	5.280349	5.24364	5.440153	5.325181	5.171046
LINC01566	5.242931	5.314322	5.23685	5.226316	5.137418	5.078982	5.138733	5.464501	5.156258	4.859479	5.079833	5.026729
LINC01568	2.978334	2.831806	2.9165965	3.0461325	2.9092475	2.827694	2.7757285	2.949099	2.7171415	2.696028	3.027337	2.976999
LINC01569	5.26539	5.880136	5.67629	5.475913	5.767969	5.658233	5.565209	5.458947	5.777702	5.795512	5.862704	5.716369
LINC01578	3.28133	3.7723355	3.6089465	3.8731605	4.460236	3.9461245	4.424747	5.1283125	4.8259685	4.6270115	6.220502	4.4216155
LINC01579	2.823058	2.843187	2.924488	2.98355	3.185593	3.018184	2.873891	3.403889	3.032303	2.86032	3.3929	2.957362
LINC01580	3.431738	3.534085	3.535735	3.484991	3.915108	3.635681	3.747582	3.620436	3.873007	3.469513	3.591966	3.523365
LINC01581	2.454479	2.567024	2.522231	2.647979	2.672286	2.663395	2.643922	2.638257	2.54105	2.558313	2.591835	2.602919
LINC01583	2.233442	2.157258	2.228192	2.227763	2.243845	2.354324	2.166109	2.437609	2.517699	2.259571	2.563308	2.323408
LINC01585	4.011353	4.229019	4.132099	4.093731	4.256721	4.163802	4.051666	4.19162	4.067465	3.931104	4.218823	3.779597
LINC01587	2.963728	2.970879	3.287095	4.182354	2.889823	2.969306	3.198463	2.890624	3.343787	2.963831	3.167907	2.869044
LINC01588	4.2258215	3.64999	3.441607	3.997424	3.765427	4.5745535	4.228688	3.845513	3.274757	3.9349025	4.9741535	3.5734385
LINGO1-AS1	3.836044	4.234574	4.27714	4.059077	4.355194	4.149304	4.408503	4.171762	4.371976	4.507656	4.057178	4.091137
LINGO1-AS2	5.216288	5.636057	5.261304	5.174839	5.35912	5.129282	5.110912	5.304469	5.101702	4.96199	5.269435	4.78856
LL22NC03-63E9.3	3.398136	3.704898	3.751603	3.577069	4.143699	4.061594	4.194302	4.15598	3.860945	3.887889	3.8024	3.942762
LSAMP-AS1	4.543639	4.928303	4.739056	4.660939	4.685876	4.968056	4.365797	4.472578	4.332723	4.546395	4.758847	4.850764
LURAP1L-AS1	2.925485	3.061846	3.402267	3.098756	3.114194	3.515124	3.423314	3.521555	3.7708	3.624215	4.374829	3.966758
MAGOH2P	4.922814	4.684396	4.482424	4.991121	4.9086355	5.335126	5.2651495	5.179957	5.4524695	4.942226	5.286286	5.366604
MIR1-1HG	5.886598	5.938596	5.764229	6.008792	6.173258	6.152911	6.130711	6.11966	6.200649	6.041368	6.379344	6.067728
MIR4458HG	4.899092	5.0345935	5.090518	5.116955	3.8321135	6.9269635	5.688634	4.093617	5.9895145	5.4381875	5.6681165	6.2572025
MMP25-AS1	5.04161	5.2628785	5.446854	5.0034435	5.3005865	5.00381	5.0916025	5.294954	5.272419	5.1157565	5.2872565	5.2081045
MROH7	4.277808	4.585942	4.003196	4.331532	4.397675	4.312614	4.728943	4.313384	4.268003	4.283566	4.368096	4.153315
MT-CO3	6.2567465	6.597833	6.501691	6.962881	7.3858835	6.0408065	6.957519	7.971947	6.4053805	6.7926255	6.754708	6.9348915
MT-ND5	11.9206	12.5237	11.97549	11.39296	11.81383	12.07905	11.49074	11.90854	10.2934	12.79394	11.7229	13.06229
MT-ND6	7.314269	6.803225	6.240355	7.042189	8.809774	6.468477	10.12073	9.196807	6.467875	7.417888	8.215296	8.395514
MYCNUT	5.304147	5.274375	5.475082	5.389792	5.21703	5.434263	5.110799	5.439426	5.354848	5.414204	5.626967	5.081707

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
MYDGF	11.11954	10.90954	10.563505	10.88051	9.5344405	10.3322	9.6803205	9.531863	9.6091025	9.3218165	10.17055	8.8486085
MYRFL	2.974879	3.882094	3.372054	3.137481	2.796627	2.80455	2.762558	3.058255	2.920312	2.955087	2.76445	2.846781
N4BP2L2-IT2	4.096115	3.638528	4.209596	4.092372	4.161547	3.959942	3.846846	4.145061	4.341929	4.662609	4.264054	4.227639
NAV2-AS2	5.391308	5.212651	5.303447	4.953971	5.114667	5.168173	4.944862	5.140054	5.370444	4.764668	5.098304	4.654085
NBAT1	4.485338	5.069105	4.618639	4.217167	4.09502	4.090051	4.09502	3.981459	3.892541	3.837392	4.283213	3.806473
NBPF5P	3.107479	3.408319	3.199242	3.210463	3.335571	3.069137	3.198456	2.949972	3.093622	2.97516	3.104766	3.205904
NDUFV2-AS1	3.890514	3.7694055	3.8077595	3.91819	4.048351	3.710737	3.96602	4.1729315	4.313434	3.8632915	3.8324795	3.5943205
NELFA	3.009195	2.973901	3.31609	3.019123	3.241496	3.197329	3.106678	3.266118	3.11649	3.353707	3.475722	3.360286
OLMALINC	3.82626	3.810673	3.499281	3.626574	5.059527	5.554612	5.198538	4.811422	4.394642	4.747382	4.457762	5.239386
OR8G2P	3.314641	3.1103765	3.1857835	2.9884155	2.928036	3.1569335	2.988162	3.0696705	3.0566075	2.8536935	3.053753	2.82159
OVOL1-AS1	5.847578	5.988681	5.72541	5.688709	5.741475	5.449952	5.328496	5.880725	5.572893	5.371675	5.578025	5.199273
P3H1	9.420662	9.514049	9.837232	9.660439	9.127051	10.14375	8.957963	9.045077	8.941849	9.254112	9.015972	9.339144
P3H2	7.350266	7.2368625	7.2232835	7.102762	5.0078185	5.797736	5.137579	5.171229	7.2174605	5.368511	5.245277	4.62212
P3H3	7.759061	8.086642	7.901515	7.987189	6.484114	6.21964	6.357539	6.395411	7.395735	8.026345	6.56357	7.843235
P3H4	8.201602	8.407268	8.487751	8.742561	8.517809	9.152082	8.715103	8.477322	7.711232	8.554255	8.236412	8.705646
PAXIP1-AS2	4.683533	4.496285	4.5643735	4.4861115	5.01946	4.8070475	5.638332	5.075019	4.592369	4.7722565	4.8110415	4.770995
PCAT19	4.567104	4.540426	4.403905	4.498146	4.607949	4.43276	4.285462	4.722079	4.354715	4.411819	4.545946	4.420767
PCDHB17P	3.439456	3.504865	3.3509575	3.492657	3.4541325	3.164597	3.285078	3.350994	3.323269	3.2380495	3.432067	3.102796
PCDHB18P	4.2062825	4.5195355	4.090292	4.1899405	4.051604	4.0346035	3.977466	4.200129	3.820623	4.214833	3.7102465	3.937475
PIK3CD-AS1	7.092412	6.956795	6.869152	6.960678	6.681547	6.372741	6.702539	6.942374	6.479628	6.564739	6.722661	6.495454
PIK3CD-AS2	3.0545835	2.953724	2.973205	2.932163	3.052352	2.877575	2.92846	3.000737	3.5149255	2.804	2.9688835	2.7880805
PIK3IP1-AS1	3.169035	3.388951	3.146242	3.250295	3.210952	3.297805	3.271591	3.3253	3.095013	3.165426	3.450554	3.191574
PLA2G4E-AS1	2.3226735	2.5713155	2.3545755	2.477346	2.473986	2.429914	2.500659	2.468938	2.327295	2.5127745	2.597697	2.473651
PRR23D2	3.139458	2.918443	3.338999	3.110477	3.160486	2.915614	3.242131	3.146109	3.236036	2.895801	2.903874	2.62449
PRR36	5.041964	5.211658	5.152472	5.209484	5.244341	5.415914	5.105491	5.536432	5.005884	5.066729	5.187596	4.536432
PRRX2-AS1	5.140899	5.373272	4.766883	4.971659	4.809212	4.591691	4.97479	4.777851	4.779697	4.402151	5.022762	4.230739
PSMA3-AS1	6.117935	5.384199	6.465526	4.513155	5.592487	4.447586	5.107436	5.496711	5.112667	6.59867	4.821437	6.620662
PTGES3L	3.613959	3.26404	3.655983	3.463119	3.814717	3.33	4.3038	4.050058	3.844718	3.694143	3.703402	3.873289
PYCARD-AS1	5.379793	5.63181	5.951283	5.502897	5.302515	4.722434	4.592849	5.32179	5.018219	5.146018	5.068299	5.054781
RALY-AS1	5.32313	5.171009	5.032154	5.785168	6.282313	5.725742	7.035717	6.340485	5.637503	5.327343	5.90729	5.035673

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
RARA-AS1	6.51482	6.732212	6.651203	6.488533	6.189736	6.55863	5.699767	6.255687	6.340949	5.331406	6.199243	5.693953
RBSN	5.986786	6.024443	6.144024	5.410599	5.451412	5.637212	5.375176	5.307088	5.298548	5.087142	5.271006	5.071415
RPS16P5	5.85661	6.043927	5.998689	5.859823	5.57582	5.673817	6.082542	5.4972	5.458069	7.325792	5.745762	7.125415
RUNDC3A-AS1	2.888155	2.635231	2.514377	2.472657	2.576741	2.728196	2.55856	2.550308	2.610494	3.04679	2.672184	3.07036
SLC14A2-AS1	4.143838	4.319003	4.086176	3.899933	3.767556	3.968443	4.017501	3.915374	3.821171	4.156195	3.983622	4.056288
SLC16A12-AS1	3.515312	3.526431	3.337881	3.496811	3.525586	3.629206	3.571743	3.508272	3.514017	3.308261	3.440947	3.122817
SMIM2-AS1	2.970066	3.204453	3.112484	2.923938	3.118511	4.638468	3.089708	3.118511	3.291007	2.804061	3.863364	2.662981
SP2-AS1	4.964946	4.51531	5.203117	4.920449	5.127237	3.205477	5.18146	4.794226	5.887198	5.606426	6.35575	5.681816
SRGAP3-AS2	3.758472	3.905354	3.761061	3.833394	3.594118	3.605552	3.472243	3.578204	3.497222	3.474752	3.451838	3.410304
ST20-AS1	6.668476	6.287602	6.801027	6.79084	6.984563	6.936022	6.645319	7.122766	6.84803	6.275622	6.961939	5.999791
STAM-AS1	2.904092	2.995378	2.906492	2.551198	3.253057	3.001049	3.270068	3.164546	3.040256	3.477649	2.794177	3.496293
SUCLA2-AS1	3.542805	3.523052	3.78961	3.802441	4.106328	3.842157	3.957389	4.166749	3.729279	3.589043	3.861297	3.44266
SUSD6	7.892008	7.979229	8.673143	8.112116	7.816728	8.66156	7.969061	7.789531	10.31347	9.00721	8.94017	8.565805
TCAF1	5.183705	4.67477	4.392844	5.101112	5.154807	3.770954	5.47496	5.337365	6.31721	5.28799	5.171548	5.712596
THSD4-AS1	3.844563	3.723862	3.752003	3.818059	3.880577	3.778882	3.751017	3.805362	3.937552	3.904848	3.788694	3.827533
TMC3-AS1	5.099691	5.458352	5.2793	5.702689	4.903953	4.616109	4.671869	4.925156	5.100697	4.796524	5.02123	4.771247
TNS2	8.089497	8.549711	7.817804	7.665929	5.854627	5.328055	5.174839	5.806384	6.646256	5.768186	5.94552	5.867406
TPT1P8	3.913676	4.094823	3.970166	4.263879	4.540709	4.122887	4.435177	4.354807	3.861567	3.900519	3.950398	3.275289
TSPEAR-AS2	5.199721	5.079866	4.9809015	5.04236	4.9113395	4.78295	4.8759085	4.969725	4.743682	4.3721345	4.8055165	4.4316905
TTLL13P	4.299397	4.305148	4.110819	4.2908875	4.5187615	4.4778185	4.356087	4.4096775	4.4829905	4.309964	4.530671	4.272804
TVP23C	6.680345	7.281554	7.015828	7.230929	6.914718	6.633281	6.983464	6.932888	6.984086	6.944435	6.861024	6.996268
UBXN10-AS1	6.007281	6.129617	6.373657	6.259165	6.668426	6.47911	6.19833	6.372534	6.606831	5.984221	6.444287	5.866527
UMAD1	5.938309	6.039622	5.92208	6.718881	7.103693	6.847357	7.200577	7.178308	7.370796	6.619606	6.340362	5.906654
UMODL1-AS1	3.956674	4.20501	3.882771	3.971057	4.16412	4.179248	3.940127	4.260095	3.979553	3.984571	4.01292	3.696593
URB1-AS1	6.696121	6.594733	6.142033	6.594865	6.626066	6.985806	6.715625	6.509112	6.651303	6.145629	6.578349	6.01518
YTHDF3-AS1	5.587826	5.213655	5.010682	5.735609	5.461194	5.576431	5.765979	5.542157	5.411796	5.549198	5.805235	5.278167
ZNF271P	4.843788	4.431535	5.094191	5.528878	5.649983	8.093948	5.924036	5.617465	5.555338	5.323665	6.266423	5.707916
ZNF436-AS1	6.603056	6.521021	6.470627	6.482786	6.259643	5.214029	6.244781	6.131205	5.599868	6.774144	6.384624	6.760908
ZNF571-AS1	4.645224	4.838515	5.419687	4.945483	4.644834	4.247865	3.929733	4.925766	5.419392	5.953477	5.158121	4.749225
ZNF649-AS1	5.292809	4.758049	4.97479	4.92402	4.919823	4.93033	4.86498	4.921055	5.051945	5.076255	5.328429	4.982067

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
ZNF663P	3.478447	3.798264	3.610443	3.492046	3.672353	3.83272	3.555085	3.754056	3.484621	3.372054	3.484621	3.973455
ZNF793-AS1	3.146218	3.029034	3.265307	2.834988	2.943123	2.915351	2.762558	3.026399	4.096568	4.51561	3.074281	3.148595
LOC100288175	5.620187	5.171053	4.990825	5.081434	5.130791	4.81351	4.517424	5.103628	5.027565	4.954129	4.919921	4.854996
LOC100506639	3.447014	3.728371	3.900519	3.53884	3.34833	3.377906	3.515042	3.5356	3.304053	3.538517	3.5356	3.967571
LOC100505915	5.841757	4.992131	4.854041	4.1092845	4.1972115	4.1219415	4.207484	4.2547765	4.013013	4.7161145	4.2863245	5.661896
LOC100505715	7.790075	7.921492	7.766385	7.348492	7.325546	7.337835	6.865215	7.203939	7.836229	8.304129	6.937456	7.682403
CYAT1	5.340123	5.496096	5.093933	4.73775	4.954141	4.983664	5.029862	5.126656	4.973204	4.779979	5.160296	4.894392
ERVH-3	4.366983	4.54768	4.641838	4.7047	4.900442	4.646113	4.611022	4.947045	4.617115	4.533907	4.710974	4.433458
LOC100505635	3.676521	4.028584	3.24736	3.705245	3.884692	3.678262	3.535593	3.517924	3.381428	3.531467	3.399072	3.565093
LOC100505874	3.963805	3.590805	2.743284	3.769438	3.650138	3.855145	4.03599	3.741683	3.657753	5.669006	3.812841	3.251135
SDHAF3	6.667321	6.233888	6.277457	7.421362	8.573908	9.148042	8.609336	8.446177	7.85063	7.25261	7.49991	6.81157
ACTG1P17	4.545094	5.069106	4.612249	4.902507	4.961936	4.856861	5.063019	4.811207	4.939374	4.621764	4.726505	4.683711
LINC00842	3.543749	3.541552	3.67996	3.750422	4.309645	3.541453	3.541453	4.071889	3.997025	3.252568	3.835452	3.293907
LINC01348	6.021967	6.213781	6.18878	5.703272	5.957984	5.978149	6.255271	6.041564	5.816651	5.693142	5.975236	5.322401
LOC100128325	4.234324	4.742541	4.460622	4.0912	3.57608	3.722883	3.557278	3.59187	3.74856	3.693232	4.15335	3.922379
LOC100996681	5.669231	5.027204	5.259538	5.547361	5.453976	5.332756	5.224899	5.42548	5.56272	5.252908	5.329786	5.225082
LOC101059948	3.073402	3.640724	3.022417	3.195876	3.097199	2.989827	3.201858	3.072581	3.165149	3.155009	3.095217	3.049953
LOC101559451	3.574658	3.811187	3.648935	2.947606	3.922819	3.953152	4.28964	3.819257	3.203099	3.940795	3.842676	3.724066
LOC101926934	3.926329	3.658694	3.60877	3.316939	3.339135	3.28005	3.273675	3.451563	3.194026	3.445205	3.571049	3.380223
LOC101926948	4.858581	5.181214	4.844946	5.520615	5.118881	4.77746	4.922961	5.186811	5.00434	4.76405	5.06552	5.093591
LOC101926959	2.743166	2.728045	2.587049	2.882172	2.612463	2.931014	2.55856	2.696636	2.59895	2.717432	2.61922	2.544209
LOC101926963	4.584374	4.867843	4.622651	4.411118	4.485011	4.489199	4.233131	4.522428	4.661368	4.412689	4.263915	4.577494
LOC101927018	2.788088	2.372564	2.565128	2.347066	2.460306	2.209345	2.363759	2.38948	2.562573	2.641613	2.683648	2.435133
LOC101927020	3.411628	4.069106	3.567846	3.419755	3.896727	3.43579	3.440204	3.485814	3.514006	3.556612	3.818281	3.38598
LOC101927060	4.275175	4.251897	4.317944	4.371848	4.344178	4.53721	4.190925	4.469691	4.485282	4.5319	4.751012	4.086017
LOC101927079	2.755658	2.74298	3.045102	2.705659	2.910361	2.88949	2.864308	2.868824	2.790345	2.529623	2.82767	2.777459
LOC101927098	3.283985	4.047493	3.798897	4.061394	3.83011	3.615429	3.247296	3.503232	3.365718	3.376938	3.676057	3.299234
LOC101927237	2.598442	2.473665	2.53732	2.499026	2.57674	2.57606	2.490248	2.829475	2.774511	2.78248	2.969338	2.546253
LOC101927253	4.668694	3.996727	3.884321	4.009389	4.165368	4.24641	3.718825	4.062587	3.687764	3.542361	4.481027	3.137481
LOC101927256	3.938646	4.132788	4.059177	4.009015	3.914429	4.238827	4.209631	3.833545	3.662329	3.692111	3.863364	3.578585

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LOC101927272	3.161872	3.174422	3.102705	3.287499	3.071658	3.032354	3.291273	3.129491	3.234956	3.087287	3.216855	3.171934
LOC101927342	2.844097	3.289602	3.085453	3.369693	3.414644	3.249359	3.469642	3.269661	3.348255	2.917386	3.491287	3.243824
LOC101927377	3.12567	3.0624115	3.0934685	2.922536	3.0806035	2.9706275	3.273559	3.240818	3.00467	3.0669205	3.2704185	2.87916
LOC101927391	2.589755	2.348222	2.486117	2.595521	2.523787	2.497744	2.51405	2.522183	2.742508	2.134588	2.803332	2.469829
LOC101927410	4.603653	4.689341	4.831569	4.981615	4.887991	4.927039	4.989521	4.87707	4.94746	4.410939	4.938594	4.712356
LOC101927417	3.540911	3.62942	4.014355	4.003497	3.400345	3.64966	3.738392	3.49499	3.550011	3.442756	3.482476	3.289584
LOC101927447	3.351208	3.864176	3.372054	3.393628	3.237468	3.087365	3.367576	3.549635	3.324303	2.949291	3.367576	2.87247
LOC101927479	3.79985	4.472419	3.833787	4.164701	3.858958	3.886341	4.103853	3.782536	3.555278	2.986972	3.831625	3.493156
LOC101927490	2.885048	2.948585	2.923648	3.222014	2.895181	2.934497	2.875007	2.778201	2.933023	2.413488	3.010322	2.90837
LOC101927513	5.513358	5.210746	5.096417	5.279997	5.225644	5.038243	5.260441	5.464038	4.973233	5.120493	5.348927	5.110913
LOC101927531	3.705449	3.539818	3.383927	3.468845	3.611593	3.523548	3.563574	3.652789	3.831656	3.528908	3.307815	3.471119
LOC101927534	5.79386	5.861785	5.679729	5.490419	5.983038	5.743426	5.79898	5.999029	5.791602	5.763495	6.037966	5.609253
LOC101927539	5.158843	5.114388	4.652737	5.055498	4.900578	5.243742	5.009078	5.050772	5.074622	4.740681	5.088737	4.856814
LOC101927550	3.97071	4.0738	4.075982	3.595497	4.057968	3.704908	3.803553	3.945857	4.058547	3.900518	3.946821	4.418175
LOC101927609	4.477996	4.177145	4.933782	5.044286	5.905662	6.628304	5.531006	5.666771	5.234086	5.428282	7.720853	5.629844
LOC101927620	3.301504	3.13751	3.63118	3.192307	3.486831	3.278737	3.003429	3.24705	3.078587	3.091942	3.468199	3.554476
LOC101927640	4.428479	4.324668	4.799811	4.29681	4.467416	4.413458	4.324668	4.472536	4.493465	4.567067	4.818151	4.375182
LOC101927690	3.101336	2.972659	3.295553	3.064213	3.101771	3.185085	3.068327	3.3253	3.077988	3.238418	3.474131	3.240449
LOC101927702	5.372466	5.549391	5.143639	5.328537	5.40735	5.298598	5.31714	5.49185	5.387724	5.217029	5.602045	5.424502
LOC101927723	2.55236	2.672617	2.238506	2.880569	2.741916	2.469828	2.55236	2.51405	2.655676	2.522017	2.508095	2.368856
LOC101927752	7.893384	7.823147	8.042312	7.687667	6.724511	3.989041	5.847896	6.694489	7.64401	6.762225	5.283355	6.075831
LOC101927787	4.799457	4.673228	4.618258	4.895515	5.035985	4.792525	4.971463	4.926953	4.899836	4.434808	5.042256	4.799457
LOC101927809	4.308655	4.726981	4.313276	4.503634	3.877568	4.114117	3.878859	3.94754	5.037805	4.427351	4.185932	4.53206
LOC101927811	5.520711	6.11082	5.727792	5.649085	6.24111	7.02013	5.135398	6.136452	5.186473	5.689206	6.300463	5.554564
LOC101927824	5.110964	5.248816	5.276889	5.079867	5.044058	4.785942	4.665845	4.881993	5.264518	5.11952	5.25732	4.825325
LOC101927839	3.80859	4.065428	3.825792	3.960371	4.106774	3.838102	4.010069	3.911534	3.911534	3.727049	3.774993	3.847221
LOC101927877	4.413159	4.369469	4.552692	4.578496	4.726685	4.421778	4.478606	4.840038	4.336612	4.134101	4.64883	4.329423
LOC101927943	3.479152	3.48462	4.333812	3.488368	3.549374	3.737904	3.214806	3.483439	3.73958	3.069066	3.43009	3.434148
LOC101928000	6.299206	5.548613	5.920846	6.279633	6.689325	7.167392	6.580369	6.507298	6.19237	6.078465	7.174796	5.603611
LOC101928014	4.82634	4.865605	4.801057	4.958435	4.959494	4.779689	4.870009	4.938898	4.481588	4.443419	4.711688	4.074128

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
LOC101928035	2.857767	3.068138	2.925054	3.192394	3.844089	2.777578	3.069576	3.741777	2.800515	2.925054	3.276912	3.663454
LOC101928069	5.503265	5.423688	5.472046	5.4974515	5.4133665	5.3767745	5.3280645	5.4040355	5.3828685	5.5348205	5.442673	5.2405535
LOC101928076	6.169665	6.10357	6.970688	6.836048	3.265178	4.363305	3.637057	3.549046	6.535273	3.156579	3.380661	3.469728
LOC101928098	3.263501	3.023488	3.372054	3.123308	3.053289	2.800493	3.029469	3.043462	2.953908	2.762558	2.974605	2.825002
LOC101928123	3.9608905	4.0787865	3.861029	4.1549375	3.7496055	3.446306	3.493907	3.697445	3.80854	3.550143	3.7677	3.5553575
LOC101928134	4.481688	4.50039	4.629628	4.728073	4.681002	4.530804	4.764668	4.658976	4.72218	4.689543	4.692974	4.971227
LOC101928188	3.748552	3.533562	3.758531	4.207901	4.534425	3.186893	3.476017	4.081681	5.437142	3.51476	3.349168	3.108901
LOC101928196	3.049328	3.223252	3.089355	3.221374	2.924982	3.131502	3.209315	3.037317	3.404621	3.048925	3.011003	2.988025
LOC101928201	2.787692	2.847045	2.628611	2.631599	2.652674	2.510853	2.424719	2.457652	2.406362	2.424072	2.457652	2.318785
LOC101928222	4.488788	4.943041	4.749244	4.746715	5.038551	4.884024	4.786785	4.873035	5.174839	4.612826	5.327079	4.93135
LOC101928251	4.48981	4.389245	4.000203	4.331532	4.170217	4.309629	4.008778	4.269964	4.195565	3.900519	4.046648	3.994249
LOC101928277	3.420518	3.746963	3.859318	3.410994	3.523501	3.644212	3.52457	3.418268	3.429296	3.401297	3.410994	3.314655
LOC101928284	3.526745	3.418687	3.558155	3.521887	3.661011	3.608615	3.345347	3.542631	3.41373	3.567669	3.940361	3.611582
LOC101928303	3.461702	3.451958	3.352708	3.322038	3.362965	3.382226	3.174776	3.324825	3.331771	3.257099	3.496322	3.284286
LOC101928304	5.121381	4.967516	4.967516	5.498765	5.132335	5.000511	5.060527	4.942792	5.051344	4.833595	5.06552	4.847997
LOC101928324	4.401073	4.30697	4.390979	4.500975	4.345169	4.286782	4.176778	4.31443	4.178874	3.975509	4.222282	4.158998
LOC101928326	2.75887	2.992824	2.910685	2.832149	2.783907	3.117575	2.995214	2.907043	2.869383	2.637433	2.986481	2.747111
LOC101928343	6.459424	6.6233735	6.559479	6.499921	6.6830665	6.343705	6.4963925	6.675784	6.4016265	6.5154915	6.43171	6.2661785
LOC101928370	3.420863	3.998077	3.256208	4.134962	4.676522	6.828972	4.460485	4.842942	3.737813	3.887289	4.164219	3.955504
LOC101928389	3.341882	3.296082	3.206511	3.227776	3.271033	3.103209	3.15509	3.385797	3.117779	3.044462	3.283446	3.388959
LOC101928417	3.293906	3.505391	3.50054	3.40065	3.403888	3.533838	3.545872	3.830964	3.498845	3.411401	3.442291	3.538101
LOC101928424	4.493306	5.026537	4.976484	4.967168	4.698846	4.383932	4.739741	4.854456	4.95979	4.921833	4.754518	5.008393
LOC101928446	3.848255	3.751813	3.364213	3.87025	3.733512	3.436804	3.56179	3.891001	3.715509	3.297538	3.87025	3.129641
LOC101928451	6.932705	6.649647	6.515583	6.517705	6.474917	6.366677	6.442735	6.613602	6.363744	6.667827	6.728169	6.695736
LOC101928461	4.341578	4.355966	4.213448	4.693761	4.439509	4.244612	4.400057	4.86698	4.576742	4.044054	4.446994	3.94988
LOC101928475	2.843677	3.317483	2.832057	3.29723	2.839339	2.831074	4.531656	2.940574	2.940574	4.347026	2.76333	4.191795
LOC101928504	4.029827	3.781822	4.045146	4.176198	4.259272	3.738194	4.145716	4.312357	4.12258	4.196842	4.430404	3.881209
LOC101928553	2.685332	2.62058	2.626694	2.613679	2.680083	2.574972	2.796854	2.648843	2.591834	2.596907	2.633396	2.641989
LOC101928557	5.255342	6.040908	5.39177	5.05547	4.866866	4.83826	4.914251	4.833707	5.256906	4.768579	5.196174	4.795465
LOC101928565	3.711672	3.682517	3.654897	3.760299	3.422693	3.615896	3.453066	3.625084	3.564358	3.756917	3.669752	3.605374

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
LOC101928595	3.896552	4.467256	4.094194	4.210714	3.776421	3.639147	3.659421	3.889568	3.938729	3.58703	3.919332	4.043554
LOC101928617	4.967494	5.273102	5.053954	5.167658	5.676012	4.820731	5.870869	5.504984	4.348091	5.97625	5.17041	5.521164
LOC101928663	2.853872	2.956096	2.688837	3.150193	2.901853	2.682186	3.012202	2.845667	2.75468	2.77574	2.673681	2.790161
LOC101928682	4.42202	4.578685	4.2871215	4.675788	4.5793115	4.5452435	4.5792515	4.68408	4.6470855	4.297401	4.699123	4.27139
LOC101928697	2.90581	2.716251	2.865414	2.855407	2.699166	2.977242	2.634238	2.682885	2.727583	2.552691	2.935292	2.361321
LOC101928707	3.337487	3.839262	3.435384	3.537036	3.379947	3.777417	3.309433	3.442601	3.353008	3.023455	3.869761	3.265682
LOC101928716	2.994637	2.790971	3.088127	3.139448	3.392384	3.009948	2.994637	3.418656	4.602528	3.100754	7.15928	3.468737
LOC101928725	4.276693	3.81048	4.366389	4.280009	4.135742	4.003414	4.084327	4.08725	5.062074	4.188777	4.377358	4.427994
LOC101928817	3.927043	3.9008515	3.798332	3.90482	3.9683145	3.942603	3.938342	3.9905815	3.856703	3.7250575	3.902203	3.807052
LOC101928833	2.817844	2.770547	2.54172	3.001379	2.681648	2.717756	2.636307	2.55708	2.684787	2.83249	2.837859	2.447711
LOC101928837	5.534935	5.56969	5.288465	4.999288	5.936684	5.738268	5.646395	6.061348	5.124207	6.030769	5.671721	6.40563
LOC101928850	3.145407	3.675599	3.755413	3.481885	3.607524	3.709049	3.455498	3.825653	3.472024	3.182835	3.405178	3.062481
LOC101928907	3.0826715	3.113646	3.0999895	3.220174	2.9489305	2.8836275	2.922148	3.0779365	3.1331205	2.787343	3.0618425	2.8830385
LOC101928940	3.139274	2.699239	2.719269	2.964933	3.121898	2.861726	2.931014	2.878596	2.923313	2.908554	3.061432	2.611017
LOC101928943	2.955835	3.519311	3.401512	3.277115	3.340921	3.387063	3.519311	3.345019	3.378558	3.377733	3.373148	3.429869
LOC101929007	4.250026	4.642832	4.142312	4.4798	4.823983	4.158821	4.286566	4.499086	4.41368	4.250026	4.381582	4.171984
LOC101929109	3.038498	2.834941	3.217996	2.783196	3.273517	2.942081	3.317231	3.298261	3.07762	3.265178	3.324215	3.08235
LOC101929229	4.400762	4.179553	4.248604	4.246363	3.990297	4.129396	3.90141	4.20826	3.799945	4.001971	4.104496	4.036697
LOC101929243	5.69738	5.34345	5.202707	5.968771	6.503725	5.934732	6.171094	6.440127	6.099783	6.941461	6.606683	6.46976
LOC101929269	4.455338	4.649348	4.869576	4.625811	4.638417	4.420016	4.754029	4.781919	4.616043	4.161616	4.831008	4.374043
LOC101929315	4.242614	4.460676	3.69328	4.362381	4.198372	4.180344	4.069106	4.122241	4.076056	3.963641	4.198372	3.841017
LOC101929341	2.535017	2.584297	2.657965	2.687728	2.51782	2.41613	2.616508	2.606874	2.280483	2.582314	2.421858	2.594267
LOC101929459	2.502852	2.556182	2.808535	2.578198	2.539774	2.416129	2.480836	2.424405	2.611679	2.797812	2.820414	2.407155
LOC101929460	4.633264	4.979999	4.47144	4.641035	4.769585	4.650113	4.789485	4.769422	4.755796	4.842889	4.670398	5.041027
LOC101929464	4.661864	4.825092	4.785257	4.788787	5.101229	4.860802	5.076458	5.041114	5.294805	4.593678	5.086216	4.339988
LOC101929480	3.609322	3.856482	3.900519	3.887529	3.981008	3.831384	3.524197	4.079739	3.788636	3.805497	3.812806	3.64014
LOC101929512	2.720141	2.852427	2.690468	2.723661	2.842061	2.847919	2.823147	2.895531	2.831918	2.522058	2.923434	2.716237
LOC101929529	3.227872	3.228087	3.292575	3.035558	3.134991	2.852732	3.13746	3.10476	3.134623	3.056318	3.00987	2.736348
LOC101929552	4.003501	4.330471	3.932814	4.16769	3.709976	3.499403	3.509156	3.533352	3.831656	3.577348	3.715665	3.274462
LOC101929560	2.654462	3.067381	2.640121	2.640121	2.422833	2.683075	2.713222	2.55856	2.807458	2.733261	2.51405	2.635363

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
LOC101929592	3.657511	3.32975	3.163153	3.381429	3.717021	3.09735	3.491722	3.539458	3.357223	4.514294	3.34413	4.167466
LOC101929609	4.516168	4.681363	4.536139	4.65271	4.1582	4.337456	3.779947	4.14897	4.144573	4.07269	4.815389	4.509704
LOC101929752	5.216756	5.181752	5.005919	5.545407	5.266949	5.279997	5.016446	5.314059	4.931434	4.674963	5.069295	5.060971
LOC101929759	2.882462	2.731399	3.425267	3.040135	2.989319	3.099051	2.559814	2.9363	3.06799	2.975028	2.83033	2.639843
LOC101929897	5.642409	6.103487	5.530979	5.961645	6.162671	5.613881	5.721373	6.109868	5.527765	5.57494	5.760225	5.646528
LOC101930421	4.5975035	4.8040745	4.598554	4.835833	4.736956	4.676183	4.64891	4.735022	4.587912	4.22532	4.656857	4.2671145
LOC102723335	3.319377	3.791851	3.385497	3.714611	3.494681	3.538882	3.709089	3.943354	3.511259	3.629912	3.672446	3.290417
LOC102723786	3.788922	4.174944	3.800552	3.831683	3.641769	3.540015	3.518033	3.709451	3.709451	3.454848	3.994738	3.53019
LOC102723809	3.595578	3.73108	3.565093	3.096761	3.238208	3.133916	2.998953	2.975783	2.915089	3.172904	3.088608	3.02454
LOC102723824	4.756869	4.088354	4.102817	3.824406	4.817021	4.94267	5.064832	5.751596	4.944637	4.529893	4.809866	5.606368
LOC102723924	3.312428	3.48462	3.137373	3.482873	3.176329	3.49499	3.011361	3.415101	3.006376	3.154268	3.162421	2.972624
LOC102724009	5.313745	5.72546	5.219995	5.389792	5.435152	5.602796	5.483594	5.650381	5.240201	5.241675	5.359087	5.27884
LOC102724094	5.863035	5.88516	5.622711	6.023142	6.138746	5.973221	5.618183	5.971506	5.136656	4.449717	6.920978	4.792745
LOC102724323	4.541196	4.948648	4.602478	4.54532	4.596263	4.678516	4.507193	4.380386	4.475652	4.286098	4.695555	4.260859
LOC102724587	3.317399	2.959917	3.157548	2.422268	2.856944	2.860046	2.713059	2.70473	2.783362	2.82921	3.159848	2.978033
LOC102724814	4.535679	4.7664895	5.1164675	4.6090055	4.6257765	4.76306	4.414346	4.774639	4.720472	4.934808	4.6533725	5.030722
LOC102724938	2.645737	2.780297	2.733758	2.433388	2.599911	2.708095	2.584863	2.762875	2.684319	2.738227	2.505348	2.419739
LOC171391	5.666044	5.681746	5.673937	5.903899	5.978629	5.708882	5.434302	5.901811	5.677865	5.445336	5.702385	5.063144
LOC403312	2.914348	2.294969	2.598212	2.210913	2.386553	2.532696	2.324607	2.328059	2.400357	2.463047	2.429348	2.279942
LOC642696	3.372054	3.900729	3.335768	3.219352	3.23034	3.114065	3.206656	3.175155	3.204518	3.189599	3.201431	2.834748
NRAV	5.575355	5.3937265	5.38886	5.705227	5.616726	5.1841335	5.4412715	5.623201	5.856946	5.3497055	5.7554325	5.3157505
NECTIN2	7.0457805	7.6705785	6.94172	7.2737095	6.6602005	6.584678	6.4733525	6.5085195	7.8863905	6.275414	6.170671	5.8397975
TIGAR	7.844033	7.222796	7.765029	8.953979	9.933019	10.90376	9.827929	10.24171	8.964723	8.140586	9.665618	8.386795
LEXM	4.283426	4.523354	4.579955	4.6822	4.57456	5.551786	4.545152	4.749334	4.530152	4.465067	4.816128	4.311329
ABHD18	5.977014	6.040954	5.931347	5.903054	6.269513	6.310852	6.668883	6.325853	6.236545	6.338363	5.548613	6.655524
ACOD1	3.736768	3.71666	3.769697	3.622966	3.605668	3.209745	3.477588	3.46815	3.417685	3.327224	3.536998	3.509618
ADGRA1	5.084643	5.522218	5.513045	5.638071	5.508875	5.570188	5.411312	5.739961	5.660489	5.301467	5.683874	5.138019
ADGRA2	8.737902	9.627376	9.1765855	8.718514	7.790983	6.609571	6.94511	7.506088	7.100837	8.9875505	7.905875	8.165106
ADGRA3	5.596503	5.8913615	5.567363	5.65166	5.866675	6.178868	6.371916	5.9351375	5.2489575	6.4384165	5.657506	6.3153185
ADGRB1	5.234149	5.918903	5.496863	4.802145	5.044279	4.809611	4.602598	4.706537	5.033394	4.642704	5.370097	4.764668

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
ADGRB2	4.85074	5.295126	5.443101	5.01347	5.660994	5.029793	6.022364	5.482111	5.532119	9.093971	6.102925	9.217972
ADGRB3	2.9653335	2.5992525	2.7496115	2.547023	3.1305595	2.705536	2.76112	3.242145	2.6448505	4.706995	2.566514	4.3740515
ADGRD1	6.223144	5.714142	8.637447	4.599452	7.451758	7.350201	6.423551	7.582454	3.058193	8.086692	8.52828	9.057847
ADGRD2	4.568999	4.369754	4.333564	4.031119	4.121863	4.089391	4.294977	4.252625	3.867685	4.016593	4.23695	4.04215
ADGRE2	3.680321	3.7525055	3.3092015	4.11232	4.4877105	5.6308615	4.349851	4.266229	4.1389515	4.73822	4.943179	5.336659
ADGRE3	3.509856	3.211729	3.994591	3.544615	3.521226	3.745727	3.766019	3.74033	3.593131	2.99218	3.410686	3.467331
ADGRE5	9.004013	8.374679	8.839203	9.255857	7.982226	9.617908	8.053528	7.960206	8.061127	7.962955	9.345798	7.907891
ADGRF1	3.4784055	3.0514085	3.2389365	3.338859	3.3325345	3.2386935	3.417678	3.3420395	3.2752575	3.216743	3.1558235	3.3999345
ADGRF2	2.723215	2.804568	2.471369	2.724409	2.755116	2.78865	3.089708	2.960171	2.619318	2.659496	2.933743	2.641315
ADGRF3	3.697136	3.747	3.734938	3.6740525	3.7758885	3.7332685	3.6287835	3.951639	3.7173675	3.681229	3.9111345	3.7422015
ADGRF4	2.972519	3.23248	3.022457	3.3475765	3.408792	3.408543	3.4534425	3.48504	6.0267555	3.389753	3.20742	3.4133815
ADGRF5	3.589858	3.6126085	3.947668	3.984732	3.9248145	3.887672	3.842749	3.868441	3.8568645	3.8039505	3.757519	3.8503765
ADGRG1	6.1721215	5.0973475	5.1314205	6.160893	5.051237	6.0896745	4.780133	4.939739	7.151101	5.0504415	6.6853615	4.58026
ADGRG2	4.015376	3.709954	4.036263	4.38543	3.670211	3.966743	3.356749	3.709954	4.063022	3.861676	3.549982	4.350243
ADGRG3	4.0525695	4.139923	4.331505	4.2803345	3.977232	4.3696315	4.112056	4.224812	4.081107	3.9761215	4.090239	4.4465675
ADGRG4	3.269953	3.365372	3.287102	3.104512	3.344913	3.09874	3.222442	3.331483	3.231927	3.315395	3.291105	3.324274
ADGRG5	5.304968	5.442429	5.111079	5.196977	5.0216575	4.8577095	4.8583695	5.1006355	4.988604	4.9751575	4.9057395	4.972559
ADGRG6	3.232811	3.503647	3.366527	3.220224	3.255532	3.226258	3.284011	3.294648	3.359169	3.294648	3.328153	3.374201
ADGRG7	2.914071	2.916389	8.671695	2.951036	2.659731	2.623984	2.518585	2.734183	2.628852	2.53869	2.67331	2.569279
ADGRL1	6.146258	5.417939	5.794417	5.841954	6.667819	7.009591	6.674782	6.349632	6.208139	7.082159	6.811388	7.595963
ADGRL2	5.315886	5.1924	5.2664825	6.3999445	6.2986515	3.2574735	3.4580505	6.1208555	5.586988	5.910865	3.1932225	4.4602235
ADGRL3	3.376496	2.9733245	3.22968	3.180813	6.616793	3.0855965	6.6003945	6.308767	4.5744215	8.1684275	3.148696	8.0973145
ADGRL4	7.698347	6.757251	6.772635	8.743141	4.644605	5.133596	3.038497	5.000705	10.59367	2.664779	3.284163	2.659884
ADGRV1	2.869376	2.906358	3.174989	3.073868	3.089354	3.104047	3.01581	3.041378	2.887034	2.955088	2.972802	3.051578
AFDN	3.91726	3.730397	3.648415	3.694205	3.594642	3.994248	3.567908	3.602173	3.815753	3.895759	3.950791	3.710676
AKAIN1	3.002535	2.760813	2.865516	2.874985	2.860899	2.982044	3.030945	2.701282	2.75384	3.01776	2.95507	2.756112
ALMS1P1	4.501433	4.306675	4.468682	4.26772	4.314649	4.744962	4.321418	3.820109	4.294098	4.060744	4.176906	4.018604
ANGPTL8	3.849445	4.445943	4.707449	4.660695	4.299966	3.872695	4.057958	4.029593	3.830467	3.488427	4.082506	3.811466
ANOS1	3.8920705	4.333615	4.1522225	4.301093	7.524018	4.7619945	6.559308	7.5748055	6.718065	6.358656	5.9599945	6.5167315
ARFGEF3	3.276425	3.08195	3.372054	3.022088	2.768255	3.994249	2.759727	2.970882	4.453003	3.57133	3.310167	4.990585

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
ARHGAP45	5.315534	5.1228405	5.270281	5.1062455	4.930816	4.5583055	4.7300775	4.774262	4.673041	4.5610335	4.7364155	4.560974
ARMT1	8.967952	8.86972	9.098333	9.589642	10.17138	10.22701	11.2867	10.10663	9.706843	9.589413	8.901326	9.926052
ATP23	5.651017	5.8010055	5.8265605	5.8034015	6.6893005	5.594505	6.64522	6.3545255	5.885118	5.9469155	5.9293095	5.256471
B3GLCT	7.344693	6.5030395	7.6000675	7.3812085	7.0115675	7.0591215	5.9292685	6.8672345	6.330775	6.6893185	6.4355655	6.1972405
BBOF1	6.470746	6.299533	6.203353	6.0704015	5.581761	5.4306675	5.007639	5.513531	5.8303385	5.2589995	5.6219445	5.058548
BEX3	12.13666	12.08967	11.87604	12.21803	11.6763	8.537486	11.72482	11.65604	12.69439	12.23377	9.482975	12.04615
BICDL1	5.0526915	5.575108	5.557404	5.5798085	5.256917	6.1796145	5.646062	5.4864355	5.5282955	5.5223075	5.880067	5.273908
BICDL2	4.893035	5.168104	4.60159	4.764668	4.108083	3.864061	3.893299	4.282267	3.832586	4.228941	4.256986	4.38212
BMT2	8.297169	8.285395	8.900369	8.833093	7.070538	7.480629	6.50167	7.197801	8.667	7.26112	6.18072	6.895825
BORCS5	6.820968	7.15098	7.129961	7.202117	7.118074	7.9868	7.267944	6.965542	6.922087	7.501244	7.891222	7.232353
BORCS6	5.307986	5.3304025	5.242402	5.4137795	5.5800485	5.884943	5.6699915	5.597982	5.600508	5.554192	5.492516	5.2842045
BORCS7	7.831223	8.39046	8.593176	8.541794	8.927608	9.83945	8.166069	8.801832	10.08896	7.780606	9.405685	7.458678
C1GALT1C1L	4.179627	3.682206	3.77211	4.331532	4.142496	4.035696	4.633498	4.457952	4.764668	4.669538	4.230535	4.23327
C7orf77	3.205629	3.494166	3.280222	3.055153	3.410393	3.418651	3.614649	3.088422	3.314144	3.177197	3.186023	3.162807
C8orf34-AS1	2.869383	2.605372	3.066158	2.688872	2.964969	2.548885	2.464499	2.919953	2.89646	2.449831	2.528253	2.593285
CARD19	6.5692415	6.6428675	6.6206575	6.558239	6.2575855	6.2601355	6.566488	6.2142225	6.3866345	5.9743415	6.709454	6.0270095
CARMIL1	4.8717435	4.8342675	4.9080855	5.121389	4.8194765	5.390291	5.716236	4.815639	5.191161	5.422017	4.6723325	5.7856975
CARMIL2	5.340474	5.406222	5.2480135	5.240193	4.9808515	5.0131455	4.902998	5.0317905	4.8287835	4.777028	5.0424815	4.65035
CARMIL3	5.785362	6.507529	6.147917	5.722978	5.71563	5.44804	5.594083	5.672546	5.597081	5.706119	5.686908	5.786898
CARMN	5.910164	5.919169	6.243404	5.2388	5.440281	5.688526	5.297997	5.528878	5.552742	6.252662	5.447241	5.902216
CARNMT1	6.948993	7.6903605	7.162206	7.6415685	8.1937	9.112098	8.322485	8.260783	5.9878525	6.620566	7.294736	6.3536865
CASP16P	4.432214	4.412479	4.337711	3.79443	4.198355	4.366389	4.06839	4.332266	4.116777	3.581535	4.032063	4.194556
CBARP	4.9287975	5.3338525	5.0144135	5.0573315	4.849945	4.846231	4.9316295	4.913319	4.6881855	4.7730795	5.0093875	4.788877
CCDC163	4.9419715	4.9001385	4.8901115	4.816544	4.6875035	4.4730065	4.9344965	4.832273	4.815439	4.842284	4.936178	5.072235
CCDC18-AS1	6.278465	6.0725895	6.6991985	5.985649	5.7185755	5.4083755	5.704131	5.673587	5.564543	6.6856765	5.899223	6.6591285
CCDC189	4.77885	4.944493	5.154582	5.410313	5.672065	4.335194	4.997852	5.564091	4.304579	4.680898	4.537817	4.327146
CCDC190	2.670418	2.748494	2.820666	2.738424	2.929413	3.972269	2.788975	2.6601	2.85634	2.807462	2.829176	2.634238
CCDC191	5.38004	5.435094	5.583026	4.989408	5.091003	5.043527	4.709582	5.098068	5.636197	5.747612	5.544966	5.506924
CENPX	9.4297	9.305156	8.772249	9.521819	10.02793	9.891644	10.59185	9.98838	8.643173	9.391895	9.543035	9.485074
CEP126	5.608699	4.241593	4.489782	5.281591	5.086639	4.670492	5.670645	5.327618	4.74937	5.331554	3.816556	6.206418

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
CFAP100	4.750058	5.1423115	5.174105	5.052841	4.9151795	4.9169185	4.6910405	4.865896	5.0162225	4.7051275	4.9625115	4.527522
CFAP157	5.490256	5.162567	5.160495	5.260483	4.853158	4.848579	4.643993	4.863324	5.018382	4.861495	5.155045	4.761492
CFAP161	2.251611	2.582993	2.396036	2.205473	2.493302	2.978573	2.460712	2.675695	2.434777	2.195925	2.769408	3.50525
CFAP47	2.973704	3.14962	3.366035	3.014933	2.865913	2.844729	2.962327	2.98453	2.845516	2.859426	2.88148	2.878105
CFAP65	4.748181	4.925156	4.590888	4.69415	4.691105	4.86099	4.638878	4.868811	4.616859	4.000172	4.758089	4.02813
CFAP73	5.005557	4.97757	4.9893695	5.273427	5.15504	5.1277865	5.083166	5.310731	5.027384	5.0051145	5.6588395	5.2333915
CNOT9	7.0585765	6.4195845	7.1045705	7.357823	7.2250465	7.4804845	8.0161305	7.231453	7.2325425	7.2633355	7.908878	6.9268605
COPS9	6.987042	6.886904	6.7651475	7.045408	7.1576275	7.3756365	7.227319	7.197227	6.6142765	6.9168805	7.314529	7.0607335
COQ8A	5.217749	5.8900285	5.438721	5.182242	6.2840845	7.424746	6.0905775	6.1230445	6.145774	5.2485585	7.1237985	5.697447
COQ8B	5.0452235	5.3777125	5.230626	4.976236	5.005265	4.8020095	5.2514615	5.1722055	4.796327	4.979472	4.735112	5.13802
CRAMP1	4.8276445	5.091392	5.3548435	4.801919	4.825933	4.857373	5.0694135	4.8903755	4.888741	4.8198205	5.0612165	4.8956435
CYTOR	6.09086	5.217384	5.198839	5.224222	4.819745	5.210881	4.817556	5.098949	5.031883	6.109334	6.058506	5.670359
DANT2	3.128196	3.456459	3.565094	3.625352	3.555334	3.34099	3.566233	3.575074	3.427357	3.873684	3.565485	3.436317
DCAF1	6.083541	5.988681	6.03174	5.858011	5.936669	6.332718	6.638686	5.774116	5.721964	6.338362	6.060692	6.27146
DEUP1	2.5675905	2.834534	2.430138	2.3495665	2.4153705	2.494995	2.2921595	2.392875	2.7595765	2.379055	2.5002495	2.289549
DHFR2	6.1338055	5.4863885	5.463392	6.2197295	6.674488	6.3775695	6.7733295	6.657193	6.955579	6.7643115	6.804268	7.030326
DHFRP3	3.013135	3.005357	3.124199	2.853473	2.839386	2.709372	2.790792	3.038498	2.74522	2.864472	2.853473	2.773077
DISP3	5.761143	6.2341325	5.9777155	5.933515	6.078845	6.005342	5.8305505	6.2636775	6.148719	6.0238305	6.3184955	5.984044
DRAIC	3.1291685	3.1388145	3.145465	3.0945565	3.200531	3.1320395	3.015616	3.327142	3.3641205	3.1108425	3.3119455	3.4921745
DRC3	4.293224	4.6740245	4.4061865	4.271629	4.296921	4.2783975	4.1815565	4.2838055	4.202391	4.006541	4.4974595	3.970182
DUBR	4.8644705	4.3504705	4.965112	5.1245315	5.1782615	6.7054805	4.466984	5.433032	6.852113	5.0098565	5.3353115	5.0536205
DUXAP9	4.811244	4.819184	4.872797	4.987861	5.031964	4.603976	5.338755	4.733331	6.813752	6.424111	5.951404	4.69546
EBLN3P	8.922998	9.023077	9.087241	8.581391	7.788922	8.609808	8.454439	7.824427	8.79072	7.775428	8.18516	8.049215
EEF1AKMT1	7.641511	7.851055	8.210291	8.145326	8.093946	8.507102	8.038491	8.019802	7.209022	7.91011	8.13578	7.756836
EFL1	8.986551	8.818571	9.159987	9.057991	7.976912	8.207289	7.497185	7.939476	8.149953	7.145505	8.280441	6.945891
EML2-AS1	5.4583785	5.2750445	5.3831165	4.797622	4.689608	5.264362	4.9890135	4.6781395	4.3114745	4.5372775	5.1686255	4.6347855
EMSY	5.4083175	5.0044475	5.466414	5.0670165	5.4152535	5.545803	5.2402865	5.4880365	5.783642	5.2655815	4.9785385	5.3144535
ERBIN	9.149303	8.877095	9.302311	9.317589	7.935764	7.656424	7.829503	8.007642	8.780535	7.772414	7.104487	7.143909
ERFE	6.208163	6.012354	6.04485	5.440239	4.824976	4.694962	4.857902	5.005608	9.296153	5.264226	5.064286	5.415235
ERO1A	10.27177	10.57351	10.31721	10.24625	8.682242	9.507627	9.34254	8.637852	9.624851	8.367741	8.26609	7.509542

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
ERO1B	4.027343	4.131178	4.732629	3.7233285	3.95899	3.83276	3.4472715	4.032867	4.8335495	3.9996155	4.290309	3.726286
ETFBKMT	4.629189	3.875585	4.061518	4.579543	4.187875	4.329041	4.032224	4.123103	5.004991	4.38884	4.654076	3.845676
ETFRF1	9.158366	8.845138	8.753834	9.422371	9.696719	10.06959	9.21408	9.76729	9.366829	8.782178	8.791952	8.992669
FAAP100	5.669782	6.763922	6.003545	6.21127	5.910506	5.843254	5.892504	5.819017	5.608963	5.922319	5.622621	5.548388
FAAP20	5.388458	5.528878	5.072605	5.278047	5.280668	5.398748	5.220823	5.014829	5.164526	4.910285	5.390621	5.263254
FAAP24	5.36034	5.63181	5.093984	5.872416	5.756927	5.534557	6.074093	5.869652	6.002104	5.679977	5.630055	5.300569
FAM234A	7.716537	8.118542	8.053934	8.356086	8.219341	8.694107	7.628652	7.97049	7.77868	8.190805	7.315903	8.149334
FAM234B	3.651923	4.032268	3.811606	3.961335	4.024355	4.204932	3.968625	4.127148	4.04677	3.818497	3.920271	3.738536
FAM92A	8.168715	8.286948	8.422674	8.729734	7.674341	7.124557	8.036631	7.632344	7.79295	8.400916	7.729676	8.267
FCMR	6.188173	6.019535	5.506758	5.906727	5.500652	4.952751	5.075644	5.267684	5.183771	5.076985	6.495852	5.083782
FDX2	7.577065	7.966558	7.584335	7.896963	7.667848	7.813532	7.574626	7.75862	8.195623	7.139743	7.781905	7.107022
FNDC10	6.678221	7.13014	6.959492	7.179078	6.086772	5.619292	6.167731	5.677152	7.362196	6.152899	6.153961	6.449203
FNDC11	5.795791	5.747953	5.488281	5.496192	5.176561	5.308488	5.203001	5.381009	5.296098	4.916438	5.420822	4.645275
FRG1BP	4.745248	4.1442675	4.8337465	3.902067	4.3781805	3.921541	4.243607	4.4483785	4.0421065	4.947561	4.335987	5.0516825
FRG1CP	8.279171	8.582113	8.496178	8.650267	8.937618	7.589961	8.822083	8.929073	8.682776	8.443288	9.233594	8.420661
GAPLINC	4.687131	4.241596	4.003925	4.396804	3.781822	3.847297	3.621156	4.259173	5.969622	4.104693	4.552034	3.993849
GAREM1	4.4019895	4.0211945	3.9140145	4.432911	6.094113	6.2704885	6.3062075	5.8632405	5.3226695	6.298746	4.8679385	6.6448675
GAREM2	6.1751395	6.4901945	6.4777915	6.472789	5.709131	5.403215	5.594235	5.968171	6.39725	6.441486	5.6249545	5.886041
GAS1RR	3.9860575	3.758651	4.1367395	4.448149	3.4372885	3.4165555	3.455777	3.534227	3.968522	3.4231085	3.5858975	3.45953
GCC2-AS1	4.662125	5.024937	4.551865	5.029339	4.896494	5.133526	5.037552	5.018341	4.994266	4.552854	5.195339	4.730721
GCN1	8.4284185	8.221503	8.672742	8.6145345	8.8091965	9.41228	8.9503065	8.950553	8.0275855	8.7509505	8.87252	8.8661715
GON7	8.08702	7.439937	7.447082	7.91679	8.450848	7.994403	8.165582	8.423649	7.844422	6.624059	8.048192	5.565584
GPAT3	6.016053	5.009608	5.730659	5.947447	5.401557	5.15984	4.849355	5.355576	2.962085	5.406558	5.787862	3.772388
GPAT4	6.2923	6.598403	6.504876	6.273599	6.309289	7.090397	6.163403	6.145786	6.638793	6.905023	6.834994	7.391861
GRK2	6.118559	6.71408	6.003947	6.017307	5.959325	5.976646	5.904765	6.066566	5.858074	6.02284	6.063346	6.107762
GRK3	4.701338	4.516986	4.291929	4.439531	5.961842	5.627985	6.483771	5.677152	4.961843	5.256949	5.32843	5.346027
GTF2IP7	4.257366	4.969645	4.38565	4.069997	4.647716	4.470984	4.359166	4.609286	4.564266	4.4323	4.687146	4.485538
GVQW2	2.939939	2.862128	2.858262	2.79057	2.890985	2.836894	2.522295	2.77607	3.262261	2.854013	2.955033	2.834748
HACD1	7.045975	7.1727835	7.1176735	7.1421215	5.8564135	4.99563	4.87556	5.8166575	6.627913	5.61218	5.1566395	4.697809
HACD2	8.133499	8.3010835	8.1931525	8.2986765	9.781253	10.033354	8.6714125	9.868734	8.9889115	7.5299005	8.3388285	7.505522

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
HACD3	10.825315	10.40745	10.62836	10.38728	10.994165	11.1452	11.26819	10.863685	10.5829	11.125735	11.017085	11.26386
HACD4	5.882216	6.115068	5.8801085	6.085493	5.1058265	3.9594255	4.1434685	5.140409	4.4734535	4.525488	5.1898295	4.1715835
HIKESHI	9.1118735	8.7695555	9.161304	9.1869905	9.559494	9.291275	9.649885	9.558637	9.3953025	8.7019495	9.5810995	8.56851
HPF1	6.2690465	6.285252	6.079327	6.4121985	6.2116235	5.3577985	6.3189955	6.1581535	6.3161545	6.212901	5.758711	6.0379815
INTS6L	5.514866	5.181212	5.237631	5.101485	6.545605	6.083541	6.884953	6.486989	5.790372	8.013614	6.769311	8.840256
JAML	5.348063	5.963915	5.521535	5.390936	4.678516	6.527328	8.679496	5.062429	4.674199	5.778746	5.429604	7.775253
JCHAIN	3.863364	3.994249	4.956904	5.700449	2.384109	2.41613	2.373945	2.378446	2.495471	2.246388	2.252558	2.197453
KAT14	5.963483	5.480827	5.780284	6.1551415	5.9158365	6.345524	6.2132105	5.721255	6.0439835	6.0897935	6.3091735	6.104358
KIF1BP	9.958279	9.776031	10.01546	9.858372	8.949148	9.136374	9.220573	8.867126	9.506419	8.316488	8.593813	8.446124
KLRA1P	3.110445	3.079919	3.37413	2.808599	3.397832	2.825399	3.577696	3.250354	3.259937	4.258365	3.18212	3.454382
KMT5A	7.5317335	7.8763355	7.3740845	7.536748	7.461258	7.612658	7.7662345	7.3276605	7.035411	7.1157465	7.56972	7.196492
KMT5B	7.53121	7.434343	7.469914	7.682184	7.213266	7.64666	7.048031	7.307721	7.709309	7.511751	7.38916	7.354989
KMT5C	4.549716	4.8413905	4.758023	4.375049	4.442665	4.478779	4.419588	4.3932595	4.30456	4.1901925	4.5386645	4.276736
KNL1	4.550635	4.131091	3.7837125	4.045943	4.4233535	3.146423	5.628945	4.2587735	3.13675	4.140943	3.1368695	3.875721
KYAT1	4.328693	4.568694	4.626328	4.417727	4.592452	4.294891	4.631589	4.341524	4.326413	4.681245	4.112909	5.377141
KYAT3	9.199871	9.567607	8.837405	10.16327	10.2225	10.22406	10.46145	10.27012	9.806548	9.934328	8.903927	10.18391
LACTB2-AS1	2.46579	2.285081	2.434064	2.344876	2.559637	2.253942	2.166109	2.516018	2.469828	2.293796	2.507653	2.395124
LARGE1	4.182371	4.619169	4.336614	4.165019	3.812043	3.913609	3.8626	3.828246	3.874673	3.476274	3.957973	3.604278
LARGE2	5.562871	5.83124	5.562589	5.288008	5.685819	5.633708	5.465141	5.880606	5.7198	6.015531	6.047786	5.489675
LDAH	7.41553	6.934815	7.453041	7.00361	8.272485	8.151923	8.792728	8.306226	7.709782	7.748751	7.545068	7.410366
LIN28B-AS1	5.418097	5.542095	5.0788	5.006825	4.894712	5.129326	4.976727	5.128562	5.151482	5.041212	5.230495	4.936414
LINC01416	2.987744	3.15151	3.350276	3.022045	2.936494	2.758352	2.70601	2.816622	2.713222	2.864375	2.628549	2.522468
LINC01592	2.774662	2.756237	2.764705	2.919545	2.900291	2.967741	2.75738	3.14757	2.929467	2.92946	3.286708	2.997335
LINC01600	3.675492	3.563387	3.504276	3.423358	3.509128	3.542496	3.944907	3.344998	3.411591	3.470908	3.528099	3.370909
LINC01607	4.081394	3.673425	3.812138	3.89666	3.556901	3.289739	3.38549	3.779052	3.901813	3.567904	4.116638	3.562496
LINC01618	3.625044	3.305965	3.452191	3.664019	3.361937	3.272004	3.053056	3.225571	3.349165	3.256768	3.544382	2.997302
LINC01619	2.771046	2.661326	2.823144	2.850023	3.408202	2.901087	2.903157	3.494844	2.652601	2.901087	3.082841	2.882578
LINC01620	3.637326	3.747396	3.431637	3.657663	3.517975	3.490876	3.392962	3.503736	3.494681	3.458916	3.518421	3.274996
LIPC-AS1	3.260208	3.265178	3.022417	3.2133	3.09329	3.435186	3.275495	3.392077	3.130378	3.085529	3.311232	2.931174
LNPK	9.075066	8.959698	9.193909	9.336533	6.568587	7.344294	6.679275	6.512677	7.753514	6.811531	6.287959	6.762949

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
MAIP1	8.204677	8.02844	8.449586	8.502159	9.363801	9.705115	9.678639	9.239193	9.356932	8.371763	9.275392	8.54113
MAJIN	4.618962	4.691215	4.38669	4.363161	4.521274	4.36639	4.792619	4.52576	4.793983	4.549462	4.515739	4.294949
MCRIP1	8.679687	8.711236	8.558031	9.51104	8.106885	7.009017	7.598273	8.161775	8.579322	8.593325	8.005259	8.09147
MCRIP2	7.3142925	7.7519185	7.607749	7.942806	8.4310755	9.591698	8.889551	8.3651325	7.7799715	8.2376885	9.022467	8.8935465
MCUB	8.448113	8.559826	8.822033	8.701814	8.76307	7.790355	9.750215	8.486851	8.513638	8.83117	8.602083	8.648956
MEIOC	3.036874	3.022328	2.986734	2.94371	2.991741	3.346943	2.931014	2.880322	3.328068	2.827541	2.689133	2.992636
MELTF	4.6057125	4.9067465	4.9018495	5.040743	6.0860205	5.556316	4.717323	6.0680185	5.883311	4.207138	5.210646	4.230807
MELTF-AS1	5.747727	6.528347	6.225706	5.877401	5.843674	5.196633	5.242539	5.797778	5.834919	5.98489	6.186959	5.736026
METTL26	7.2570315	7.354999	7.312474	7.6256605	7.3700175	7.0968895	7.3344115	7.268405	6.9185785	7.2474855	7.440176	7.0818415
MFSD13A	5.334388	4.873825	4.739848	4.803151	5.332049	4.840753	5.811882	5.100121	5.867686	5.925078	5.44302	5.591536
MFSD14A	9.187389	9.127192	9.344227	9.430449	9.634245	9.731988	9.691577	9.606507	9.682122	8.924701	9.626685	9.344402
MFSD14B	5.8159465	5.641528	5.998314	6.0008855	6.148708	6.386403	6.2114745	6.3891035	6.4093455	5.9613235	6.264191	6.1434125
MFSD14C	7.676851	7.653662	7.222367	7.497374	8.684749	8.629528	8.675957	8.672506	8.320293	7.250297	8.304619	7.099421
MFSD4A	3.619689	3.877077	3.539108	3.967954	3.9930005	3.599265	3.682923	3.93433	3.8777465	3.479477	3.743974	3.5117265
MFSD4B	5.210745	5.184021	5.556201	5.066851	5.424033	5.435251	5.949699	5.386557	5.908889	5.239309	6.007491	5.901678
MGAM2	2.701692	3.031402	2.859426	3.017679	2.89505	2.792555	2.903506	2.938898	2.884688	2.94398	2.989044	2.831976
MIGA1	8.016055	8.0255545	7.362521	8.187633	7.6289095	8.8730025	7.438914	7.6814635	8.235554	7.0778505	7.6001825	7.1635085
MIGA2	6.320643	6.480021	6.572429	6.493357	6.378986	6.971719	6.549567	6.430195	6.293643	6.856941	6.500056	6.681822
MINCR	4.446095	4.694611	3.89099	4.348433	5.003166	4.063463	4.520534	4.619768	3.998799	4.618186	5.080483	4.643401
MIR2052HG	4.329733	4.34193	4.266462	4.287455	4.201965	4.100975	4.20141	4.301313	4.162888	4.136529	3.913706	4.05766
MIR3681HG	4.070495	4.489071	4.148824	4.162142	3.950562	4.559827	4.0053	4.035115	4.033394	3.736062	4.021855	3.950791
MIR3945HG	4.1500935	4.462131	4.443066	4.3693005	4.762948	4.3099455	4.5582555	4.7136575	4.3794965	4.2695825	4.697673	4.179584
MIR4290HG	2.958975	2.867418	2.621601	2.71102	2.797836	2.713457	2.798856	2.728354	2.703693	2.885478	2.850538	2.736283
MIR4300HG	4.953611	4.906166	4.663441	5.188615	5.124241	5.00808	5.084504	5.036891	5.008069	4.75033	4.977956	4.659767
MIR4307HG	2.775426	2.962653	2.707054	2.882738	2.962577	2.924809	2.969749	3.123677	3.130727	3.010904	2.857041	3.157597
MIR4435-2HG	4.328274	4.466872	5.0256105	4.227002	4.403198	4.0518345	4.238973	4.2717105	4.1470705	4.6547765	4.720957	5.120704
MIR5188	2.77198	2.77776	2.757929	2.619465	3.076361	3.559029	2.807361	3.062077	2.608025	2.768874	2.66007	2.474494
MIR9-3HG	4.2121355	4.722456	4.223818	4.654558	4.116126	4.128164	4.183546	4.3393185	4.152589	3.768312	4.0828445	4.168072
MISP3	4.926325	5.192156	5.427319	5.827015	4.705896	4.527519	4.250966	4.592452	4.261348	4.860984	4.880732	4.545496
MRE11	3.935878	3.881939	3.963673	3.646528	3.505754	3.897055	3.368782	3.633568	3.476151	3.004807	3.334594	3.994249

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
MRLN	3.023535	3.08901	3.196658	3.486547	3.311693	3.048746	3.461463	3.544921	3.195229	3.372054	3.365321	3.054012
MRM2	7.975257	7.8028345	8.041004	8.3040835	8.362469	8.098673	8.7341305	8.2371	8.2384315	8.0305475	8.708061	8.157819
MRM3	7.66991	7.435243	7.662466	7.661014	8.334198	9.09594	8.710003	8.215485	7.634015	7.969734	8.755326	8.137508
MRNIP	7.175076	7.364438	6.895967	6.588745	6.493185	6.679121	6.702747	6.276579	6.267277	6.71444	6.999955	7.294066
MRPL58	8.663342	8.487839	8.517769	8.655191	9.096714	9.258658	9.392296	8.991661	8.590019	8.235096	9.378517	8.513289
MSC-AS1	8.670385	8.936056	8.954043	8.120237	3.803133	3.974674	3.697445	4.335121	8.682815	6.218528	6.648256	5.855514
MT-ND2	12.09004	12.82494	12.04801	11.85877	13.11418	13.02868	13.03778	13.00623	12.1698	13.57126	13.22354	13.40319
NAXD	9.015793	8.967665	9.091876	8.992268	8.971013	9.035569	9.032923	9.016813	9.009848	9.146622	9.040745	9.078552
NAXE	9.118777	8.933787	9.200758	9.583842	9.457595	9.609802	9.907762	9.382083	9.532804	9.560724	9.033784	9.324742
NCBP3	6.987361	6.3549095	7.0672795	6.8856935	6.795756	6.947595	7.1142035	6.7479605	7.000944	7.3380765	7.1013545	7.3605525
NDUFAF8	7.5530755	7.225693	7.5167485	7.8403775	7.9375885	7.885843	7.9988745	7.856141	7.486484	7.6839915	8.0522225	7.836273
NECTIN1	4.303619	4.6271705	4.7460295	4.649048	4.5090685	4.769248	4.674077	4.426923	4.525531	4.2831545	4.6832635	4.2432645
NECTIN3	9.67135	9.294444	9.571815	9.043254	8.355456	8.173705	10.10072	8.290655	8.670164	10.14011	7.776752	9.027445
NECTIN4	5.063878	5.689157	5.006674	5.754385	6.852587	9.319847	7.498986	7.332196	5.402692	6.268266	10.32709	6.839557
NEMP1	7.2540145	7.2104505	6.8181715	6.5405695	7.3119185	4.994822	7.497907	6.9878905	6.4868365	6.798597	6.2944785	6.4789265
NEMP2	4.584371	4.067214	4.463274	4.464913	4.248946	5.181165	4.669224	4.270026	4.1131	4.413012	3.905149	4.468045
NEPRO	7.396955	7.095398	7.563615	7.236176	7.877204	7.947193	8.133834	7.9018645	7.7196235	7.825928	7.7307385	7.813546
NMRAL2P	4.249138	4.069106	4.673242	4.524643	5.28197	5.328876	4.628679	5.319839	6.067928	5.862619	8.044831	7.12284
NOCT	4.640064	5.267804	5.307934	5.1496765	5.34043	6.350919	5.9396215	5.175108	5.8402005	5.4678395	6.3865985	5.500711
NORAD	9.463271	9.8917735	9.5267525	9.665488	10.807458	11.33028	10.477623	10.742574	10.903747	9.7541895	10.754886	10.138409
NRDC	9.315454	8.619583	8.685834	8.135375	7.869783	6.850065	7.871577	7.721289	7.8117645	8.3723965	7.224885	8.653084
NUP58	7.368655	7.0394465	7.523151	7.1850355	7.2339	7.3708015	7.9162745	7.196039	6.0357475	7.510665	6.721566	7.451026
OPRPN	3.629771	4.058484	3.709208	3.905214	3.83595	3.640889	3.542935	3.897467	3.583883	3.77407	3.796042	3.939229
PACRG-AS2	2.726838	3.06737	2.750686	2.760707	2.956409	2.847057	2.645044	2.749376	2.844481	2.730758	2.970683	2.734549
PAK5	3.5442165	3.700412	3.5598215	3.667142	4.0023645	3.8150125	8.365945	4.1031805	3.7319175	9.3430155	3.657023	9.2232835
PATJ	4.235922	4.4191995	4.4455415	3.92532	3.5387865	3.490134	3.674771	3.5614895	3.8427585	3.698029	3.223037	3.69076
PCNX1	5.437082	5.162012	5.683681	5.534623	5.493031	6.127033	5.859252	5.677152	6.113619	5.773139	5.686041	5.488524
PCNX2	5.556029	5.440418	5.420583	5.307796	5.474476	5.341653	5.331406	5.243822	5.841823	5.427648	5.639843	5.337365
PCNX3	6.453379	6.840055	6.823401	6.964955	7.209345	7.701087	7.177157	6.978806	7.098334	7.380633	7.160574	7.545598
PCNX4	5.4203985	5.530893	5.963103	5.7995025	5.8569645	5.9874485	5.7793635	5.778673	6.640648	5.770292	5.55158	5.735132

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
PGGHG	6.273774	6.6129735	6.4158045	5.80818	5.905185	5.6758555	5.829347	5.9429245	6.003655	5.989573	5.7279425	6.1825855
PHACTR2-AS1	2.8109035	2.9743885	2.9303225	2.9902435	2.913673	2.642009	2.7265715	2.914767	2.639841	2.709197	2.6545255	2.8504455
PHF24	4.0000695	4.066905	3.83756	3.821941	3.8442845	3.8473585	3.805643	3.8684595	3.6150305	3.6347615	3.72446	3.741873
PICSAR	4.634278	5.166068	4.863141	4.70205	4.909694	4.673041	4.565692	4.695827	4.681081	4.442257	4.782926	4.37263
PKIA-AS1	2.170668	2.116485	2.327837	2.096376	2.265912	2.184577	2.227947	2.073289	2.221759	2.41949	2.238907	2.326416
PLPP1	9.7699925	9.1951155	9.3035115	9.9645085	9.8670125	7.7510585	7.0230435	9.811528	8.763827	7.086938	8.5461995	6.920551
PLPP2	4.783306	5.73426	5.836703	4.573223	5.790041	6.431154	7.749511	5.429823	8.36997	6.805404	7.255458	6.194443
PLPP3	11.42309	10.60331	11.39986	10.53003	10.36605	8.358601	8.607879	10.35685	7.924437	9.795471	9.419092	10.01478
PLPP4	6.497218	7.848156	6.651362	7.489846	8.430059	6.057543	4.567989	8.570489	7.062141	7.48542	5.976762	7.799818
PLPP5	8.3928915	8.0593515	8.425161	8.036576	6.8715845	6.7047745	6.9730415	6.90686	7.525061	7.280533	7.5335615	6.795987
PLPP6	7.039001	6.29256	6.653481	7.152948	6.639392	6.952759	6.789298	6.686287	7.139723	6.970383	7.355005	7.127297
PLPP7	5.753539	6.108152	6.714575	6.097399	7.002395	6.84529	7.278155	6.95072	5.846582	6.729853	5.769624	5.890286
PLPPR1	3.3423675	3.2613455	3.3800745	3.3499115	3.0872155	3.086881	3.101765	3.1904965	2.975509	2.857752	3.0949435	2.9946885
PLPPR2	7.975031	8.229086	7.784996	8.2232785	7.579711	8.2432105	7.64088	7.397682	6.6412885	7.642807	7.019517	7.5798395
PLPPR3	5.360381	5.745647	5.244403	5.477252	5.313118	5.572072	5.217428	5.401439	5.356969	5.357983	5.613026	4.910945
PLPPR4	3.205991	2.759288	3.372692	5.599961	10.44425	7.122108	11.09574	10.41601	3.888335	9.933867	3.985676	8.05754
PLPPR5	3.676158	3.3000525	3.336368	3.1606835	5.450155	6.4822995	9.198172	5.00908	3.443674	8.4805685	4.9780405	8.0209225
PPP4R3A	7.302549	7.69067	7.225607	7.459042	8.410093	8.022542	8.711865	8.300826	7.34165	7.669317	7.451458	6.898287
PPP4R3B	6.303882	5.9389305	6.2492415	6.4045915	6.789381	6.747207	6.7853335	6.4455595	6.5197855	6.7141755	6.2567085	5.889376
PPY2P	3.670019	3.781822	4.14555	3.772562	3.701332	3.615752	3.590697	3.447014	3.671618	3.398277	3.937703	3.588478
PRELID3A	5.834861	5.751423	6.070517	5.876647	5.599961	5.441206	5.242515	5.604907	6.561794	5.214927	6.269975	5.118103
PRELID3B	8.28816	8.095837	8.474458	8.75695	9.218868	9.849627	9.744642	9.152537	9.310274	8.507957	9.305445	8.813977
PRUNE1	5.4961545	5.491212	5.595495	5.6307595	6.902876	6.320647	6.675474	6.5549805	6.246913	5.9519875	6.07845	5.562659
PTPA	6.976057	7.763276	7.102334	7.776741	7.67194	7.475684	7.443972	7.368142	7.140051	7.092546	6.88791	7.507562
PUDP	8.462028	9.036864	9.426137	8.437976	7.571822	9.942115	8.602861	7.624719	7.963224	7.485992	8.348559	8.067258
PUM3	4.234212	4.221842	4.624828	3.984969	4.655549	5.009902	5.143281	4.973319	4.114353	5.064158	4.347958	4.652575
PYM1	6.54811	6.390916	6.283653	6.800734	6.863976	6.484782	7.465967	6.809592	6.237621	6.59867	6.615216	6.360272
QTRT2	2.806742	3.011928	2.747246	2.708737	2.868401	2.741709	3.164514	2.728183	2.713222	2.730204	2.7201	4.1169
RCC1L	5.843443	5.9180075	5.7782505	5.7481875	5.940743	6.402989	6.187107	5.968876	6.0163725	5.3595515	6.0795235	5.12802
REG1CP	4.381804	4.103909	4.472183	4.73546	4.47794	4.195055	4.523595	4.794629	4.527001	3.897542	4.531441	4.564465

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
RFLNB	10.764335	11.00116	10.878665	10.575422	8.670693	8.0014255	10.47869	8.755629	8.062038	9.8296325	5.976681	9.2900125
RIDA	7.129888	7.175597	7.3024465	7.2623985	7.903419	8.0875905	7.8693265	7.9671385	7.017776	7.1302565	7.3402385	7.1345425
RUBCN	4.7397735	4.675192	4.507018	4.829409	4.641101	4.7499055	4.8297645	4.654275	4.737412	4.656848	4.7923515	4.508477
RUBCNL	5.9382685	5.0866435	5.4522725	5.2374745	7.084031	4.2161645	7.044498	6.939305	4.225358	6.883017	4.296533	5.3596815
SAMMSON	2.752412	2.879457	2.896837	2.647979	2.624334	2.701377	2.390958	2.639153	2.674588	2.819736	2.925789	2.55345
SAXO1	4.957643	5.272183	5.254433	5.5554	5.357363	5.501124	5.407838	5.281475	5.127246	5.272183	5.219664	5.22815
SAXO2	2.651903	2.670022	2.584085	2.509654	2.651903	3.076212	2.280518	2.532995	3.735232	2.4849	2.849827	2.465213
SDHAF4	6.57531	7.26131	6.233286	6.217911	7.213085	8.058375	6.730677	7.350935	6.330053	7.153991	8.125834	6.854514
SELENOF	11.14376	11.01417	11.28854	11.20783	11.77991	11.86381	11.68076	11.88903	10.93624	10.78791	11.57436	10.80986
SELENOH	8.088522	7.7532005	7.782239	8.1387075	8.2831215	7.269069	7.6351245	8.341741	8.335045	7.893154	8.361948	7.6081855
SELENOI	7.090256	6.095671	6.293027	7.039385	7.467991	8.334272	8.10346	7.60337	7.343468	7.10066	7.944691	7.45847
SELENOK	6.787736	6.7603765	6.835916	6.980627	6.914985	6.7153895	6.986938	6.7359645	6.8152715	6.784306	6.8186455	7.0383215
SELENOM	9.993847	10.2499	9.993652	10.42612	9.646109	9.95092	9.096388	9.595549	10.33842	8.779511	10.06476	8.525148
SELENON	8.000281	9.042442	8.424587	8.226867	7.142361	6.4331	6.134614	6.972499	6.17637	7.431543	6.359453	7.04209
SELENOO	6.679587	6.994971	6.9598105	7.4874955	8.076789	8.3180065	7.730505	7.785418	6.562878	7.559086	7.3130845	7.6260665
SELENOP	3.184952	3.240666	2.970238	3.133546	3.281091	3.284795	3.26438	3.693643	3.162478	3.117227	3.26438	4.508263
SELENOS	10.55965	10.25865	10.41594	10.43322	10.04765	10.27792	10.55508	10.06038	9.828226	10.57924	11.17354	10.62155
SELENOT	9.15216	8.739876	8.8048245	9.287385	9.4851725	10.0628495	9.8846455	9.590438	9.765273	8.6459685	9.2388045	8.5243015
SELENOW	11.173315	11.007685	10.87578	10.883225	10.163305	9.9333145	9.6866555	10.19476	10.747985	10.699595	10.49014	10.0682875
SGF29	6.477504	6.9048535	6.6639655	6.791595	6.771302	6.587637	6.752318	6.6118765	6.9806015	6.6272345	6.862021	6.792841
SGO1	3.929677	4.198616	3.8235115	4.1401175	3.591206	3.134145	4.073103	3.6153505	3.143998	3.7576075	3.101893	4.178293
SGO2	7.794439	7.907556	7.219071	7.766436	7.415186	5.0159745	8.166837	7.118008	5.7426925	6.789325	3.7169885	6.868461
SHTN1	6.603828	5.032394	6.588537	5.822283	7.238756	5.423794	8.220965	7.011077	7.090392	9.512583	4.902954	8.398742
SLF1	4.508999	4.566832	4.489782	4.405084	4.523331	4.288134	4.317752	4.571867	4.226992	4.724407	4.314142	4.72573
SLF2	6.244276	5.8072755	6.174487	6.267177	6.019962	5.129389	6.047522	5.8960465	6.3730015	6.6126885	5.8160905	6.2720985
SMIM10L1	5.977326	5.737932	5.637912	6.196434	6.76701	7.244679	7.441686	6.964144	7.04603	6.608248	6.32124	7.108076
SMIM10L2A	2.800515	2.95021	2.55856	3.293423	3.214205	4.83961	3.276035	3.127732	2.779499	3.742972	3.48456	4.129199
SMIM11A	5.861954	6.044391	6.033574	5.818968	6.432191	6.633037	6.126489	6.260517	6.777532	5.523309	6.962813	5.725639
SNU13	6.809881	6.8381705	6.6753725	6.9025	7.0100315	7.383487	7.2751785	7.1021425	7.258528	7.185639	7.750153	6.797823
SPACA6	4.9460225	4.62186	4.543245	4.637055	4.6368265	4.4555295	5.151898	4.9613575	4.809728	5.054684	4.535461	5.091428

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
SPACA9	5.0824015	5.468073	5.197485	4.8063285	4.66434	4.4245745	4.2216515	4.7034705	4.6666315	4.554746	5.2672725	4.44624
SPOUT1	6.7531535	6.5579815	6.649445	6.6146685	6.22458	6.0508315	6.2825685	6.1491995	6.6313025	6.782883	6.753975	6.758621
SRPRA	9.176355	9.5276215	8.707926	8.71456	8.73298	9.16802	8.552422	8.526884	8.5805785	7.867704	8.412248	7.3043255
STN1	5.954445	5.629378	5.624104	5.903411	5.678121	7.156294	5.4078455	5.6886485	5.884807	5.2949665	5.833461	5.721489
STPG3	4.517479	5.214898	4.94295	5.486251	5.19252	5.101463	4.984894	5.230139	4.70527	4.91276	5.343909	4.58534
STPG3-AS1	5.7114645	5.797801	5.894301	5.958471	5.975206	5.8383855	5.920239	5.950998	5.867618	5.7746395	5.944128	5.98341
STUM	4.824254	4.85921	4.788438	4.6528665	4.645858	4.417262	4.397027	4.688372	4.6241205	4.7242965	4.714117	4.589934
SVBP	5.3397545	5.1447605	5.6504265	5.655668	5.5658055	5.5422935	5.7372075	5.554535	5.431041	5.4073675	5.541045	5.1871775
TCEAL9	11.44708	11.40641	11.34014	11.61637	10.74189	8.827106	10.31221	10.64284	11.91156	10.7408	9.185919	10.04869
TEPSIN	5.436453	5.8033795	5.4623855	5.645715	5.5148465	5.369648	5.4412175	5.3693615	5.295689	5.1201675	5.426493	5.2920965
TERB1	3.575112	3.806646	3.351824	3.810879	3.70825	3.565094	3.565094	3.839766	3.597514	3.525047	3.497365	3.166214
TERB2	2.226057	2.351651	2.341003	2.526356	2.335752	2.274468	2.350518	2.05545	2.104341	2.114981	2.335752	2.315093
TESMIN	3.498251	3.424995	3.558136	3.332355	3.494096	3.608143	3.685324	3.520598	3.588292	3.586545	3.639755	3.636293
THAP12	9.392738	9.332577	9.489506	9.477869	9.203311	9.410057	9.542337	9.093828	9.379459	9.671533	9.244247	9.72954
TIMM29	7.106859	7.030638	7.17299	7.120872	7.617403	7.800615	7.713484	7.41981	7.465565	7.275159	7.784661	7.29092
TKFC	5.4563465	5.757445	5.441925	5.5281475	5.7351745	5.429473	5.8398245	5.520176	5.3991645	5.9991245	5.747269	5.8790165
TMEM266	4.130992	4.069106	4.387234	4.303828	4.387624	4.554449	4.770278	4.718553	4.119642	4.482895	4.848757	4.184065
TMEM267	6.429996	5.401857	6.314136	5.542754	5.227101	5.187852	5.182178	5.189278	6.74279	7.262676	6.645597	7.599248
TMEM268	5.544978	5.242497	5.818287	5.436649	5.767614	6.570711	6.544978	5.552116	8.719042	7.00375	7.636387	7.708614
TMEM35A	5.744299	5.281675	5.431824	6.422592	3.5257	5.623046	5.459803	4.527556	4.182691	4.974375	8.299675	5.556142
TMEM94	5.9155625	6.032637	5.9961455	5.8980115	5.7053525	5.3922255	5.6130235	5.6827205	5.9964	5.9936385	5.9605515	5.882787
TOMM70	9.4576405	9.276336	9.320561	9.5925165	9.108363	9.655114	9.677445	9.0588985	9.1231665	9.063206	9.5885155	9.3022075
TRMO	6.139607	5.712562	6.190261	6.444282	6.66239	6.530762	6.746548	6.680021	6.974309	6.154849	7.089804	5.799438
TSPOAP1	4.86372	5.431115	5.323545	4.694595	4.989294	4.496794	4.886959	4.713053	4.513988	4.731234	4.520882	4.730887
TSPOAP1-AS1	3.795656	4.46197	4.1392965	4.220142	3.9590775	3.8938825	3.6906395	3.9154295	3.6532705	3.4383535	3.7710445	3.6134835
TTC41P	3.4757945	3.7716665	3.590097	3.6420515	3.6455125	3.2913685	3.425305	3.4822575	3.355864	3.035805	3.414265	3.1568565
TWNK	6.170407	6.265221	6.83462	6.365964	7.757398	8.931726	8.107444	7.656418	7.587923	7.446023	8.73737	7.795436
UBR5-AS1	4.648767	3.91668	4.738082	4.316998	5.120434	5.955496	5.616163	5.407124	4.870008	5.331406	4.740244	5.477396
USF3	5.19195	5.086785	4.46849	5.223964	4.873848	5.388551	5.110912	5.382749	5.088759	5.025692	5.118576	4.846805
UTP11	6.000344	6.0214145	5.79496	5.989564	6.374846	6.2777885	6.43989	6.3503305	6.1938055	6.0240055	6.1438555	5.902718

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
UTP4	9.5226955	9.190213	9.145719	9.169173	10.1011745	10.14521	10.47271	10.007302	9.664326	9.8503605	9.944639	10.110858
VPS50	3.952999	4.168891	4.1221915	3.935077	5.1096315	4.7051185	4.6385815	5.119189	4.5714725	3.702493	4.027413	3.8838625
WAPL	8.3600235	8.2953245	8.480052	8.2418425	8.177671	8.570386	8.858906	8.184914	8.4011595	7.7328165	8.195919	7.6380285
WDCP	6.460008	5.750365	5.319129	6.727495	6.508672	7.202111	6.847391	6.315924	6.214188	6.662148	6.629985	6.56732
WDR97	3.601579	3.793189	3.847934	3.65544	4.184405	4.160296	4.172686	4.335555	3.903858	3.690552	3.906585	3.644205
WHRN	5.21375	5.57553	4.949513	5.157126	5.832548	5.705046	5.5426775	5.8086045	5.067314	6.6117775	5.9619935	6.886693
ZNRD1ASP	3.153613	3.115143	3.167335	2.8459005	3.064639	3.1725	3.012709	3.0884225	3.0608815	3.507376	3.180167	3.2930715
IGL	4.397693	4.68469	4.530296	4.500801	4.410352	4.346726	4.407461	4.58977	4.26712	4.366467	4.560994	4.429162
ABITRAM	8.255341	8.173692	8.503439	8.193767	8.451553	8.73128	8.577669	8.360573	7.960326	8.109336	8.656438	8.176968
ABRAXAS1	7.344631	7.5972195	7.2889245	6.9270615	7.625386	6.6837	7.2956455	7.70189	7.671619	6.278952	6.7656245	6.1864905
ABRAXAS2	8.1590775	7.801411	8.12525	8.0989395	8.0316505	8.24434	8.4006755	7.990583	8.2343115	7.5406565	7.8400955	7.753471
ACP4	5.503464	5.850468	5.712686	5.999382	5.919295	6.00684	5.813088	6.021223	5.956691	5.768186	6.219164	5.714457
ACTR3-AS1	3.918647	4.031213	3.830959	3.847641	4.39877	3.605934	3.342138	4.760934	4.788126	3.692111	3.565093	3.257855
ADA2	7.455417	7.811116	7.564783	7.73955	5.164002	5.038155	5.174839	5.461859	5.992142	5.202068	5.369631	5.161375
AFDN-DT	3.361895	3.524527	3.67205	3.242309	3.477586	3.785518	3.520989	3.720085	3.22394	5.573489	3.828764	5.500246
AFG1L	3.4991505	3.47153	3.6294255	3.4255865	3.52945	3.6180595	3.73086	3.482891	3.3316145	3.8639125	3.769653	3.8934215
AHSA2P	7.308337	8.43774	8.905556	7.02736	7.332274	5.335848	6.606343	7.328047	6.274089	7.958603	6.529234	7.644111
ALKAL2	3.266783	3.358488	3.080942	3.410535	3.035229	3.084244	3.498633	3.081256	3.411891	6.907521	3.608958	6.968926
ALPG	5.529128	5.592289	5.7106	5.789157	5.686833	5.485225	5.4236605	5.424476	5.1738175	5.404084	5.472596	5.380076
ANKRD40CL	2.605497	2.925745	2.969558	2.856318	2.71447	2.622472	2.662471	2.666103	2.601068	2.697783	2.568932	2.692534
AOPEP	7.111094	6.866477	8.1934725	7.703982	9.0367685	7.529928	7.693015	8.9423865	7.526584	8.0639065	8.564563	7.9345775
APCDD1L-DT	3.952834	3.852307	3.668592	4.229428	6.846239	6.442338	5.751775	6.893049	3.200008	3.193049	5.330634	4.221014
ARHGAP27P1	4.338583	4.6748165	4.6990095	4.4533745	4.4228545	4.3307865	4.4325185	4.5313625	4.322147	4.0829665	4.3985785	4.261631
ARLNC1	6.047674	6.055263	5.770086	5.678433	5.528857	5.698333	5.700252	5.893285	5.773616	5.574026	5.700252	5.656151
ARMH1	4.691142	4.502592	4.350314	3.744683	3.987173	4.265587	4.01716	4.294263	4.139685	4.067382	4.033899	4.073665
ARMH3	6.123068	5.683086	6.21831	6.345743	6.485512	6.598399	6.528813	6.336932	6.166611	6.573344	6.520316	5.958731
ARMH4	5.790078	6.032662	5.708554	5.832889	4.147851	4.308482	4.222282	4.277157	4.405201	5.023455	4.354942	4.985972
ATP2B1-AS1	6.772173	6.304457	6.767926	6.828802	6.958461	6.482374	6.630845	6.623924	7.971149	7.266958	7.745955	8.135349
ATP5F1A	8.338885	8.459576	8.0914095	8.6151175	8.8173625	8.869382	9.007233	8.968737	8.582454	8.576061	8.573986	8.3003515
ATP5F1B	11.35097	11.05073	11.47869	11.72635	12.49614	12.62885	12.5925	12.47646	11.41882	12.26026	12.29227	12.24292

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
ATP5F1C	11.443025	11.352235	11.285685	11.12205	11.38319	11.33955	11.667545	11.32462	10.68391	11.308955	11.143555	11.31288
ATP5F1D	8.8332425	9.30616	8.7594705	9.040693	9.746396	9.877144	10.052929	9.6417045	8.8461045	9.6494065	9.748129	9.700202
ATP5F1E	7.6677565	7.515813	7.420503	7.8127495	8.3841055	8.2143535	8.387535	8.3423085	7.686628	7.5137775	7.6265605	7.6284095
ATP5IF1	9.39435	9.409658	9.151684	9.5926	9.725567	9.077806	9.561096	9.839714	9.359566	9.296427	9.169357	9.227754
ATP5MC1	9.529957	9.137734	8.681747	9.360298	10.32787	9.749841	10.34527	10.47519	8.92728	9.941047	10.12247	10.05161
ATP5MC2	7.6093055	7.8737945	7.801222	8.040517	8.4114495	8.3558165	8.478948	8.395281	7.860704	8.3343005	8.3506075	8.444811
ATP5MC3	11.18986	11.24484	10.82216	11.38031	12.08524	12.00216	12.45558	12.16227	10.96488	11.69781	11.68358	11.77536
ATP5MD	12.36963	12.16442	12.08626	12.35482	12.70133	12.67322	12.55654	12.68476	12.31732	12.42248	12.42467	12.53851
ATP5ME	10.5236985	10.503332	10.0817765	10.61129	10.97261	10.79334	11.26642	10.92241	10.054622	11.166755	10.7796	11.42962
ATP5MF	7.9753635	7.851285	7.814134	8.30725	8.530438	8.632179	8.475539	8.428018	7.9031245	8.4227735	8.426357	8.4370675
ATP5MG	11.639255	11.302185	11.402885	11.9165	12.33484	12.25593	12.34899	12.307455	11.932725	12.26602	11.987675	12.14386
ATP5MPL	10.6270075	10.644079	10.433149	10.816875	10.616436	11.104285	11.09351	10.5922825	10.1990675	10.805775	10.969835	10.940205
ATP5PB	8.6684685	8.511436	8.365284	8.5422475	8.9539245	9.3232855	9.021904	8.8225275	8.8495215	8.4453055	8.691796	8.6073335
ATP5PD	9.1052915	8.946486	8.9986305	8.84121	9.0043395	8.673387	9.0219785	9.0575785	8.8648425	9.0814215	8.8691915	9.1056215
ATP5PF	11.25007	11.24391	10.71399	11.38201	12.21425	11.83634	12.19206	12.18042	11.09959	11.57658	11.59606	11.58177
ATP5PO	8.701018	8.564789	8.348028	8.924204	9.280826	9.161132	9.881718	9.753474	8.553413	9.123441	8.942428	9.574888
ATP6V1FNB	4.384376	3.415963	4.522725	3.892688	4.444742	6.079474	4.470809	4.470809	5.653615	5.11261	5.037758	4.433398
ATPSCKMT	5.70237	5.338833	5.597997	5.372588	5.4938325	5.422228	5.374107	5.4565735	5.4085205	5.8792615	5.3272965	6.121355
BABAM2	8.551498	8.070436	8.700375	8.515179	8.720008	8.991067	8.586351	8.85078	8.894462	9.038225	9.027676	9.744678
BABAM2-AS1	4.905502	4.847579	4.66114	4.636345	4.590713	4.269803	4.131564	4.530407	4.470523	4.167291	4.56237	4.684069
BAIAP2-DT	6.467603	5.940065	6.59818	6.755217	5.724658	5.148118	5.175236	5.511401	5.687588	6.588175	5.785645	6.541608
BARX1-DT	4.455338	4.733843	4.568748	4.734506	4.695799	4.775947	4.68735	4.882776	4.646802	4.657611	5.109615	4.684465
BASP1-AS1	3.229564	3.382545	3.229937	3.106652	3.429471	3.358375	3.28209	3.460145	3.712684	3.92055	3.582151	3.807384
BCLAF3	5.182335	5.033223	5.828839	5.454491	5.510532	5.621368	5.710562	5.426659	6.41703	6.551266	5.650187	6.615933
BICRA	6.478846	6.511587	6.53799	6.716644	6.657018	6.754175	6.572382	6.705891	6.951571	6.803053	6.606757	6.735483
BICRAL	7.1874125	6.930899	6.996613	7.078943	6.102217	6.174958	6.437474	5.9593675	7.5497595	6.9465165	7.0670535	6.9564445
BMERB1	6.7517155	7.0659165	6.8035765	6.8224775	6.5937795	4.9214525	5.949064	6.4553645	5.5605315	6.209956	6.4256295	6.067773
BORCS8	5.260368	5.276003	5.026937	5.579995	5.755939	5.864184	5.737474	5.675333	5.160017	5.023601	5.698785	5.445908
BRD3OS	8.376609	8.2139565	8.2015355	7.2054025	7.012239	6.9085395	6.4507765	7.035644	7.044242	6.7278975	7.3702255	6.5366395
BSN-DT	4.30342	4.238419	4.180293	4.380343	4.503111	4.215578	4.391061	4.522386	4.612316	4.036214	4.53486	4.103894

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
BUD23	6.8061345	6.7136955	6.7349935	6.859747	6.9638655	7.132105	7.2148905	7.1303135	6.889333	6.9151045	7.073755	7.0928585
C10orf143	5.907456	4.778215	5.794417	5.478612	5.445812	5.002711	5.814509	5.389761	4.764739	5.28791	6.435596	5.519658
C1QTNF12	6.316266	6.530476	6.48247	6.382154	5.844713	5.199283	5.772403	5.750435	5.380437	5.123679	5.397617	4.620265
C20orf204	3.85067	4.772805	3.879186	4.222282	3.843734	4.01717	3.657307	3.437248	3.712022	3.471967	3.486138	3.369294
C2CD6	2.6845105	2.657905	2.7532355	2.633344	2.8633085	2.745706	2.6591	2.9697575	2.640937	2.9227695	2.665249	2.6330245
C2orf92	4.381582	4.852538	4.394578	4.52057	4.497749	5.278043	5.799464	4.895655	4.645043	4.926205	5.188545	5.64202
C3orf85	2.734633	2.981802	2.60024	2.686434	2.629599	2.686434	2.723373	2.664779	2.56765	2.992476	2.651617	2.560908
C4orf54	2.955088	2.843601	2.517301	2.636553	2.786247	2.955064	2.58261	2.889333	2.431607	2.580943	2.605126	2.6944
C5orf64-AS1	4.110158	4.623943	4.284161	4.217908	4.489782	4.177004	4.464497	4.485802	4.399737	4.172647	4.368483	4.27556
C9orf135-DT	3.325807	3.564253	3.367729	3.712653	3.364959	3.239944	3.267386	3.293501	2.947816	3.007347	3.40398	3.278919
CABCOCO1	2.742595	2.695963	2.789811	2.552163	3.063506	2.781199	2.739981	3.417297	2.616529	2.762558	2.577015	2.716956
CALHM4	3.145775	3.175861	3.326038	3.068904	3.125637	2.841907	2.901644	3.304993	2.932394	2.776911	3.079963	2.977438
CALHM5	6.5141315	5.8706985	6.2817265	6.828553	4.696768	5.3231685	4.9291725	4.9309935	6.714831	5.5919205	5.4923765	5.387481
CALHM6	5.4933575	5.2687985	5.4189965	5.079489	3.861825	4.9129625	4.7233995	3.727678	6.057114	3.512708	5.02683	4.0939755
CAPN10-DT	4.139195	4.397676	4.380829	3.967219	4.351873	8.730927	4.930605	4.564748	3.97086	4.549135	4.292938	4.275561
CARNMT1-AS1	3.93482	3.699514	3.786817	4.130729	4.081504	3.9021	3.620064	3.968604	3.81376	3.828892	3.90417	3.93482
CASP17P	3.0162225	3.0038005	2.9812165	3.264648	3.0544935	3.0568645	2.8940165	3.2285075	4.557939	3.7771965	3.0384725	3.130734
CASTOR1	5.154308	5.236392	5.151329	5.289034	5.6763445	5.4714555	5.3180195	5.624756	6.7599025	5.287401	6.4927485	5.0419995
CASTOR3	5.277303	4.935079	5.535315	5.178441	5.332664	4.7046035	4.6254625	5.1618015	5.244783	5.1443635	4.8455185	4.800998
CATSPERE	3.3331825	2.8365205	3.28624	3.1144	3.1323055	3.0111795	2.818154	3.3110135	3.5232615	3.0135015	3.170326	3.0306445
CATSPERZ	5.55967	6.092762	5.572492	5.843978	5.64758	5.336808	5.778314	5.920224	5.604832	5.287684	5.328429	5.485329
CAVIN1	11.17121	11.96146	11.40648	11.80023	9.534139	10.04221	9.057366	9.562127	9.174876	8.126488	7.782173	7.642783
CAVIN2	3.4279275	3.5452845	3.18162	4.8493615	3.2596945	6.7410345	4.963816	3.568804	4.070884	2.9966115	4.5443315	4.943234
CAVIN3	10.65325	10.54337	10.29161	10.67111	8.276512	8.543943	7.977072	8.462162	8.509554	4.464146	8.697262	4.306988
CAVIN4	4.18145	4.197603	4.624828	4.836352	5.405806	5.876843	4.310743	5.687929	4.722542	5.050328	4.657172	4.322294
CBLIF	3.460414	3.379659	3.267451	3.08993	3.137526	3.144992	2.664779	3.28384	3.095891	3.157731	3.323905	2.933024
CBLL2	4.468442	4.778692	4.748433	4.55309	4.465394	4.654563	4.549082	4.698832	4.92967	4.686604	4.837986	4.648651
CCDC196	2.64251	2.534642	2.471789	2.409815	2.459266	2.438931	2.321205	2.407903	2.363393	2.568033	2.660339	2.35503
CCDC197	3.866174	4.303271	3.924646	3.876357	3.795841	3.93138	3.838219	3.635859	3.603381	3.69494	3.846091	3.762576
CCDC198	3.128112	3.209331	3.157333	3.302553	3.265178	3.17858	3.20448	3.340237	3.607218	3.077265	3.107975	3.137481

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
CCDC37-DT	4.044503	4.094909	3.902431	3.918075	3.799347	3.739791	3.871103	4.032258	3.667633	3.540059	3.537593	3.558146
CCDC9B	6.734399	5.255272	6.396414	6.551316	6.058187	6.309141	4.17596	6.239288	7.442348	5.254229	6.177633	3.814331
CCN1	12.946275	13.094975	12.56668	12.735075	9.790099	10.99019	8.3747925	10.045869	12.849675	10.87829	11.54153	10.013628
CCN2	12.32935	13.18506	12.91395	11.98652	7.917745	9.616447	6.770807	8.641881	13.12221	7.985841	9.448632	7.441151
CCN3	5.086861	4.636086	6.398802	5.6946465	11.47837	8.3565365	9.6606795	11.7598	8.8161545	8.4240175	6.1372125	9.1210015
CCN4	6.051435	4.9546535	7.390462	5.212801	3.3509955	3.734101	3.192509	3.3760925	4.1793885	3.355143	3.80296	3.548675
CCN5	9.584114	9.094042	9.483331	6.733519	5.715854	6.40456	5.069077	5.463491	5.158537	4.462479	5.333599	4.515278
CCN6	3.7110065	3.566356	3.523183	3.59655	3.6716505	3.7830305	3.623907	3.6066435	3.8309895	3.6230855	4.1022335	3.9386645
CCNQ	8.01746	8.010294	8.331662	8.916513	8.031421	8.355677	8.455853	8.082741	7.907497	7.897432	7.959221	7.476407
CDIPTOSP	5.657821	5.131938	4.928259	5.332863	5.485549	5.091209	5.324768	5.467435	5.249629	5.143025	5.20985	4.972508
CDKN2A-DT	3.789097	4.403595	3.951263	4.306418	4.273633	3.748974	3.849426	4.341929	3.910049	4.020396	4.343486	3.710763
CEBPA-DT	6.110289	6.496757	6.220315	6.346206	6.3344	5.980242	6.258421	6.526337	6.05086	6.099164	6.537406	6.529215
CEMIP2	7.397758	7.748144	7.663471	7.742005	8.876486	8.334396	7.800754	8.995962	6.343129	9.165609	8.859011	9.057263
CEP83-DT	3.659506	3.892956	3.752434	3.630142	3.918251	3.830551	4.027592	3.882882	3.765132	3.840562	3.856868	3.68063
CERNA1	2.71164	2.563301	2.602458	2.770652	2.611695	2.607965	2.473707	2.93894	3.01096	2.901971	2.826451	2.518764
CFAP206	5.578131	6.041549	5.57418	5.486681	5.180984	5.125592	5.035795	5.213987	5.553455	5.034522	5.743489	5.110912
CFAP298	4.286747	4.47117	4.96521	4.768661	4.753757	5.004905	4.860918	4.469166	5.320472	4.943387	5.104964	4.400656
CFAP299	3.009441	2.902169	3.137246	3.278936	2.898787	2.861925	2.674215	2.787027	3.183572	2.872158	2.633088	2.971209
CFAP300	6.8324465	5.966703	6.889944	6.2485405	6.882841	6.483153	4.8278355	7.0700345	7.1437945	4.5813745	7.2903	4.7515165
CFAP410	5.206043	5.486775	5.35457	5.479654	5.495849	5.710479	5.23426	5.574765	5.471915	5.402484	5.402801	5.392342
CFAP97D1	2.734437	3.134655	2.59037	2.709622	2.770646	2.723215	2.673988	2.569501	2.729163	2.738677	2.899474	2.551124
CGAS	2.966889	3.13755	3.095446	3.188287	3.131102	2.625682	3.071266	3.078724	3.107985	3.486881	3.102822	3.743701
CHKB-DT	5.940706	6.234693	5.716161	5.840595	6.048629	6.370584	6.168693	6.050887	5.685833	6.034157	6.24354	5.869037
CIAO2A	10.2745	10.30429	10.13309	10.14709	10.74279	10.6954	11.14768	10.67417	10.25052	10.51131	10.77197	10.53708
CIAO2B	10.40259	10.50569	10.22188	9.991596	10.34149	10.31424	10.38094	10.36049	10.35917	10.1711	10.54222	10.11355
CIAO3	6.649457	6.651299	6.791193	6.93343	6.844295	7.124628	7.022765	6.717943	6.993164	7.000175	7.206202	6.892947
CIDECP1	4.657014	4.885956	4.982293	4.986491	5.272469	5.20081	5.254632	5.308689	5.413356	5.063966	5.406002	4.904536
CIP2A	5.397851	5.27021	5.247852	5.748708	5.6095595	4.429188	6.608996	5.3588845	5.189603	4.5364685	3.6269515	4.494259
CLBA1	6.115474	6.327495	6.110823	6.215934	5.946415	6.557747	5.556766	6.2017	5.888982	6.045266	6.799819	5.65939
CLMAT3	4.242614	4.493185	4.585292	4.634066	4.29045	4.391854	4.374918	4.607514	4.144059	3.668638	4.212886	3.968054

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
CLTRN	2.470762	3.270667	3.509564	2.499329	2.551275	2.556815	2.307856	2.497171	2.607339	2.68119	3.576832	3.815514
CNMD	3.548285	3.798746	4.037554	3.565094	3.560469	3.502284	3.8808	3.581902	3.5501	3.387097	3.552649	3.46118
COA8	8.39282	8.329138	8.179208	8.119062	8.340189	8.001113	8.39095	8.324733	7.945595	9.360815	8.321541	9.99693
CPEB2-DT	3.003681	3.357208	3.070672	3.094712	3.323466	3.124119	3.129446	3.178231	3.139274	2.926368	3.077548	3.19352
CPLANE1	3.6732735	3.6277055	3.965429	3.6778725	3.533103	3.9463725	3.3488095	3.5152015	4.0701	4.019001	3.2947675	3.9124905
CPLANE2	4.6710275	4.523179	4.945481	4.950625	4.8328575	5.457179	4.6625655	4.6933785	5.0206095	4.365506	5.144649	4.677443
CRAT37	2.478677	2.55856	2.427592	2.647979	2.44453	2.467453	2.503717	2.810373	2.388881	2.39706	2.468077	2.615611
CRIM1-DT	7.1536475	7.244739	7.854125	8.314842	5.302964	7.004705	6.2478485	5.511528	7.970135	5.455922	6.3307555	5.485789
CRPPA-AS1	2.836744	2.7279685	2.781374	2.7724725	2.7149915	2.6626285	2.8522965	2.747018	2.5316875	2.7096645	2.7955355	2.9204955
CRYBG1	6.235738	5.225796	5.48059	7.629733	3.257393	7.539064	6.723635	3.433877	6.205133	3.285307	6.261901	6.975534
CRYBG2	4.9600655	5.3184265	4.8926055	5.057891	4.9160215	5.3473955	4.8398595	4.9600985	5.290358	4.9193265	5.1380005	4.701275
CRYZL2P	4.3078495	4.534168	4.4699135	5.210748	3.1354605	3.042048	3.0767165	3.473533	4.4997735	3.0193875	3.258993	3.265281
CSTF3-DT	2.476206	2.409631	2.277248	2.251194	2.391504	2.321179	2.432629	2.377896	2.282503	2.371443	2.229154	2.130811
CT66	3.306336	3.431365	3.196658	3.403764	3.362038	3.500804	3.352326	3.577795	3.947486	3.321795	3.467619	3.287935
CT75	2.73869	2.911537	3.037724	3.197076	2.851006	2.682964	3.172659	2.79928	2.712524	3.662018	2.74351	2.817321
CTBP1-DT	6.041241	6.181843	6.241933	6.114926	6.076705	5.980412	5.9638115	6.013841	5.9858535	5.8094415	6.134146	5.853411
CTXND1	4.96969	5.210746	5.247906	5.062756	5.11771	6.08173	5.076135	4.903798	5.006622	5.568685	4.944471	6.474743
CUTALP	4.7146095	4.520545	4.622635	4.5008705	4.2802765	4.1035595	4.545855	4.353269	4.698347	4.7166625	4.4850205	4.71591
CYBC1	7.760598	7.798317	7.821869	7.851748	7.639072	7.678839	7.771674	7.569643	7.837477	8.537267	7.856734	8.279533
CYMP-AS1	5.183929	5.279452	5.668485	5.513702	5.100505	5.282354	5.211987	5.108586	5.557836	5.217177	5.401162	4.980632
CYP3A7-CYP3A51P	3.939174	4.414261	3.500786	3.800208	4.245839	3.947894	3.759391	4.23208	3.782732	4.072154	4.246416	4.165874
CZIB	8.784356	9.058733	9.172427	9.053787	8.96996	8.36517	8.699501	9.00299	8.634079	8.398623	8.781301	8.245984
DCST1-AS1	4.309646	4.116357	4.440557	4.008699	4.04514	4.173035	4.035945	3.802086	4.08292	4.122841	3.948907	4.193079
DDR1-DT	4.0882615	4.081503	3.963695	4.0385405	3.991891	3.615977	3.8850175	3.898704	3.6585475	4.173049	3.881993	4.390545
DELE1	6.962759	6.6284985	7.219781	6.77366	6.577274	6.094996	7.0508475	6.422749	6.894857	7.3013065	6.946482	7.5131885
DEPP1	5.973963	5.9913505	6.6524895	5.8641225	5.596617	4.741885	5.190003	5.3563575	6.1506125	5.164755	5.3268355	4.4400325
DGLUCY	7.009211	7.3715995	6.8218525	6.7252145	6.8145445	6.0229195	6.809529	6.7448145	6.711544	7.201733	7.5197625	7.2350475
DIPK1A	8.963595	8.56368	9.110408	9.371774	6.601269	8.098318	7.544291	6.844442	7.92121	7.596589	7.640468	7.995788
DIPK1B	3.9661155	4.3172475	3.9503095	3.929955	4.0448645	3.9811605	4.3475485	3.9552045	4.1079235	4.145271	3.8506855	4.064739
DIPK1C	5.5344895	5.462496	5.4925735	5.704521	5.714131	5.6317835	5.67916	5.7699725	5.680131	5.5404255	5.7122485	5.183039

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
DIPK2A	4.595889	4.877089	4.683678	4.85355	5.151873	5.164321	5.000061	5.086714	4.942918	4.460433	5.431018	5.0772
DIPK2B	4.6780055	5.1711595	4.958132	5.060678	4.729677	4.747515	4.9499815	4.9052495	4.9312225	4.537557	4.9091425	4.4834535
DMAC1	7.8137175	7.628774	7.686162	8.174528	8.999812	9.754941	9.169509	8.9115525	8.6705465	9.249501	9.2729945	9.355951
DMAC2	8.228524	8.101187	7.996177	8.385598	8.204103	8.005433	8.327582	8.195044	7.971251	8.040366	8.23365	8.25299
DMAC2L	5.931529	5.635377	5.734798	5.880393	6.811696	7.100125	6.898565	6.769982	6.808826	6.349908	7.007309	6.357381
DNAAF4	5.206748	4.316175	5.083388	5.509066	4.742517	10.9215	7.188793	4.921418	6.294617	5.487288	6.73072	6.08742
DNAJC3-DT	3.57439	3.6658465	3.3715155	3.471695	4.332083	3.986512	4.3114675	4.289927	3.9979095	4.046854	3.8126295	4.1427655
DOCK8-AS1	3.232929	3.302826	3.275292	3.343258	3.421165	3.284348	3.24548	3.343258	3.232929	3.505465	3.284163	3.508995
DOCK9-DT	4.521264	4.6703035	4.490525	4.2485965	4.243176	4.2242275	3.811826	4.0341275	4.523349	3.929996	4.261049	4.181062
DOP1A	4.3693575	4.034037	4.1496125	4.5100565	4.383234	4.6052365	4.513985	4.466521	4.593845	5.3323335	4.142388	5.103068
DOP1B	4.135951	4.3380625	4.5454965	4.423882	3.498111	4.1370885	4.2801875	3.5915665	4.252395	4.211078	4.0235635	4.3424705
DPH6-DT	2.882743	3.023733	2.953677	3.064781	3.202393	3.865154	2.960664	3.147569	3.357004	2.952996	3.55885	2.727249
ECPAS	7.3112815	6.6334785	7.552796	7.063727	7.1562805	7.786828	7.3635105	7.0535425	7.668391	7.312282	7.392854	7.4837715
EDDM13	5.74045	5.745207	5.851747	5.743719	5.439373	6.373847	5.499964	5.499496	5.447705	5.229532	6.46054	5.490767
EDRF1-DT	3.345947	3.323029	3.099246	3.137481	2.816115	2.988388	2.854761	2.752133	2.690419	2.68164	2.83033	2.466428
EEF1AKMT2	6.245425	5.865325	6.296773	6.279221	5.663653	5.421752	5.745248	5.252307	6.731165	5.963769	5.632466	5.979758
EEF1AKMT3	7.69277	7.823981	8.462666	7.59407	7.248786	7.200092	7.177418	7.135961	7.546195	7.245872	7.405818	7.500251
EEF1AKNMT	7.649121	7.234632	7.177418	7.787301	8.450556	9.244108	8.858036	8.624	8.048167	7.965548	8.751225	7.838589
EIF2AK3-DT	4.70945	4.489013	4.613788	4.821112	4.738532	4.750302	4.296039	4.802145	5.282059	4.850764	4.894403	5.133324
EIF3FP2	4.763111	5.056978	4.99466	5.731914	5.169891	5.092297	5.38629	5.049837	5.027934	5.307643	5.123717	4.83823
EIF3J-DT	6.48556	6.691159	6.315133	7.164333	6.424647	6.456853	6.876515	6.516046	7.20311	6.530981	7.137609	6.511845
EIPR1	7.92986	7.416514	7.693486	8.016541	7.963182	8.239793	8.133883	8.007778	8.000118	7.406106	7.992465	7.527726
ELOA	7.666401	7.316815	7.422673	7.362334	7.472938	8.249837	7.864709	7.090632	6.829029	7.436897	7.978927	7.4759
ELOA-AS1	6.924612	6.561838	6.823849	6.56732	6.752843	7.06073	7.283972	6.811458	7.040679	6.877537	7.241824	6.922025
ELOA2	2.659884	2.956829	3.205979	2.651884	2.648643	2.564857	2.82365	2.681728	2.638649	2.502168	2.66791	2.611327
ELOB	9.59415	9.50916	9.4464495	9.8381865	9.8362405	10.119545	9.8622715	9.817727	9.5145555	9.6106685	10.1137055	9.6870245
ELOC	9.738473	9.481854	9.344309	10.1199395	10.098049	10.5475255	10.212305	10.1195415	10.0750195	9.1567325	9.899331	9.4318535
ELP1	6.77114	6.433818	6.2483755	6.521947	6.557505	7.399973	7.108651	6.426871	6.8511875	6.7829575	7.0747525	6.535212
ENTR1	6.325954	4.991743	6.145434	4.954785	5.276755	5.676011	5.354762	5.098675	5.245014	5.589876	5.911063	6.519633
EP400P1	5.013933	4.938799	4.961036	4.929106	5.060295	5.196247	5.130281	5.176632	4.943469	5.029555	4.991076	5.043092

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
EPB41L4A-DT	3.834141	3.684906	3.867737	3.513431	3.369661	3.222928	3.447014	3.208905	3.583722	3.374824	3.569149	3.253753
EPCAM-DT	3.436497	3.394274	3.1044675	3.153395	3.27039	3.060391	3.15066	3.283877	3.3475015	3.0026195	3.342294	3.358767
EPOP	6.087268	5.994573	6.817043	5.92817	5.8819	6.569536	5.91382	5.912658	6.727039	6.589622	6.832148	6.899567
ERG28	7.590879	7.671408	7.104624	7.567065	8.97159	8.774633	9.078066	9.009113	8.751644	8.087713	8.393013	7.582976
ERLNC1	6.741477	6.469306	6.153977	6.828224	6.699484	6.088428	6.572381	6.519408	6.047391	5.792325	6.250289	5.910433
ERV9-1	4.56236	5.198869	4.630941	4.548147	4.547342	4.818707	4.791895	4.61061	4.308386	4.767498	4.567657	4.557113
ERVFH21-1	2.633652	2.861485	2.75463	2.83217	2.709881	2.524271	2.713222	2.718282	2.976441	2.445658	2.620982	2.576761
ERVH-4	4.246185	3.982129	4.054513	3.994249	3.49499	3.654688	4.042251	3.737445	3.332163	3.900519	3.526618	4.133914
ERVK3-2	2.923282	2.790271	2.614587	2.620775	2.529585	2.960948	2.578672	2.722693	2.851699	2.622969	2.83033	2.854902
ESS2	7.061908	6.832633	6.858558	6.555018	6.174385	6.300766	6.007491	6.123503	6.344209	6.231643	6.408245	6.49185
ETS1-AS1	2.79144	3.00214	2.942917	2.896034	2.991459	2.953171	3.367469	3.049613	3.238748	2.879752	2.905613	3.092012
EZHIP	3.04277	3.10088	3.03249	3.408653	3.553948	3.565094	3.30024	3.573812	2.975675	3.185215	3.44375	3.299841
FAM111A-DT	7.613561	6.925799	7.120441	7.175848	5.236324	3.997339	4.650846	5.172583	7.006671	5.420223	5.724108	4.828438
FAM230I	4.955349	5.122594	4.625389	4.449317	4.57257	4.669439	4.808207	4.605242	4.461579	4.452204	4.737392	4.351583
FAM238B	4.79452	5.1902755	5.382027	5.0958555	5.1678025	4.876602	5.155016	5.113066	5.0337085	4.88607	5.025182	4.696012
FAM238C	5.118255	5.703476	5.396779	4.580983	4.991688	5.072937	4.967191	5.250258	5.130171	5.350016	5.230352	4.969419
FAM241A	5.958221	5.8167705	5.602754	5.910105	3.529453	6.027127	3.161249	3.387855	5.7750615	3.3815105	5.4155255	3.5197845
FAM241B	4.322184	5.19522	4.958868	4.992589	5.073317	5.170589	5.268165	5.150728	7.206674	5.823772	5.478864	5.197673
FBH1	6.189594	6.1620855	6.4523305	6.4415395	6.5907125	6.582673	6.6580585	6.5871625	6.1392805	6.3862545	6.47323	6.580555
FBXL21P	2.970515	3.327064	2.868032	2.931878	3.090686	2.921313	2.942685	2.842218	3.143149	2.672203	2.971527	2.703207
FCSK	6.390287	6.214448	6.357268	6.484438	7.122318	8.897843	7.825374	7.205007	6.740699	7.580441	8.151785	7.837816
FGF7P3	7.841276	7.990931	7.302862	7.29404	4.470247	5.785811	4.111494	4.23596	3.922221	4.671409	4.571911	3.645608
FILNC1	2.399905	3.044333	3.052962	2.680424	2.340127	2.428895	2.308517	2.558418	3.354435	2.36656	2.429348	2.338645
FLACC1	3.656749	3.7539315	3.512907	3.7726335	3.760703	3.589705	3.687705	3.896175	3.766916	4.073055	3.695374	3.7049585
FLVCR1-DT	5.328036	5.566871	5.599291	4.712198	5.864051	6.912998	7.397279	5.750434	6.229875	6.572897	6.664855	5.483521
FRG1HP	5.932704	5.822306	5.994284	5.528878	6.32273	5.813167	5.856378	6.363855	5.982677	6.087614	6.098176	6.390634
FRG1JP	3.334246	3.293338	3.473534	3.788104	4.660568	3.548832	3.966802	4.420104	4.001585	4.994593	3.841444	4.383831
FRG2EP	2.833469	2.782044	2.866079	2.889878	2.83033	2.833469	2.817172	2.803497	2.866079	2.716264	2.965195	2.743227
FSIP2-AS2	2.311224	2.179497	2.334278	2.329224	2.718602	2.798249	2.399401	2.491655	2.46041	2.431395	2.457808	2.461587
FYB1	3.991203	3.929028	3.714293	3.910694	4.252134	3.931946	3.601514	4.154177	3.856895	3.265178	3.863364	4.376602

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
FYB2	3.703855	3.8118565	3.7565515	3.8231615	3.829976	3.772375	3.620714	3.756429	3.9131635	3.583743	3.5967345	3.6982455
FZD4-DT	4.330728	4.464357	4.710904	4.098473	4.156171	4.056049	3.928881	4.16621	4.466649	4.094862	4.152882	3.994248
GABPB1-IT1	5.177555	4.532824	5.209245	4.939482	4.858765	4.556727	4.506785	4.749966	5.276008	5.575257	5.513513	5.417053
GARS-DT	5.7925745	5.664005	5.6630235	4.959188	5.2990675	5.3019395	5.1862165	5.398034	5.5214705	6.1322935	5.152686	5.9493705
GASK1A	3.591749	3.10951	3.570417	3.125511	2.873977	2.964803	3.013528	3.096679	3.154519	3.147547	2.855546	3.242224
GASK1B	7.2948825	6.8645935	5.8522045	7.557641	8.620274	8.1509545	5.923443	8.9812255	7.7555785	6.4433965	3.3237995	5.63398
GATD1	7.943045	7.791704	7.78522	7.973105	7.709312	7.569058	7.243269	7.602509	7.69834	8.072355	7.684683	8.012713
GATD3A	8.272114	8.7718235	8.6669405	8.6967415	9.429028	9.2529245	9.574624	9.5066155	8.7766635	9.178589	9.9730055	9.308527
GAU1	4.811582	5.110763	4.871563	5.018151	5.088077	4.953094	4.970754	4.794513	4.706213	4.901389	4.595998	4.768033
GBAT2	4.816286	5.154785	4.735794	4.924012	6.727698	6.219165	6.135112	6.435585	5.438077	6.008088	5.36077	5.438077
GCNA	5.465647	4.353426	5.251614	5.242926	5.783096	5.314984	5.912687	5.666856	5.19584	6.509112	6.97501	6.736721
GET1	10.34753	10.15553	10.23674	10.52465	10.23026	10.92866	10.42381	10.20563	10.11538	10.02385	10.38853	10.00817
GET3	9.054245	9.143501	8.382412	8.834972	9.179286	9.357966	8.90624	8.977368	9.028503	8.093981	8.905257	8.00348
GIHCG	5.0977935	5.0554065	4.8862605	5.020458	5.0973645	4.4957465	4.6814035	5.0116305	5.127468	4.72853	5.1577185	4.6146215
GLUD1P2	4.390623	4.374339	4.058417	4.583553	4.592452	4.58261	4.469427	4.586818	4.480558	4.239534	4.457654	4.585212
GMDS-DT	5.06101	5.202819	5.072604	5.286036	5.270411	5.378324	5.306338	5.314242	5.420905	4.76838	5.176143	5.192038
GPR176-DT	2.864573	2.967193	2.913763	3.3272	3.013052	2.940743	2.69311	2.959095	2.854498	2.946279	2.952624	2.744237
GPRC5D-AS1	3.4836715	3.792663	3.835171	3.4140465	3.536052	5.031333	5.48627	3.5094825	4.965332	4.834289	3.5908475	3.109043
GRAMD2A	4.87558	4.850619	5.522739	5.784919	5.500142	5.233252	5.633704	5.533435	5.27914	5.493182	5.44188	5.244992
GRAMD2B	6.7621015	7.375003	8.403576	7.254494	6.85254	6.045647	5.257568	6.7873815	7.901387	4.8583265	5.1838475	5.24512
GRASP-AS1	4.929361	5.489252	5.406628	5.343696	4.951046	5.009051	4.91118	5.000705	4.825515	4.800607	5.279997	4.608956
GSDME	9.265239	8.74411	9.236411	9.228868	7.633857	5.213987	6.467634	7.561522	10.18343	8.105471	9.325853	8.111391
GSEC	6.322996	6.198835	5.927189	5.912915	5.584922	5.529888	5.921539	5.434442	4.620661	5.408761	5.608823	5.85981
GSTT4	5.640717	5.568707	5.592506	5.664223	5.301988	5.375741	5.517893	5.603068	5.472761	5.52681	5.548862	5.30263
GTF2IP20	6.988839	6.683414	6.334975	6.721545	6.832223	6.306938	6.67918	6.775512	6.872373	6.813694	6.968863	6.975096
GTSE1-DT	3.593437	3.613846	3.7223	4.05412	3.513651	3.602216	3.677822	3.471104	3.540162	3.653279	3.985188	3.606945
GUCY1A1	3.276215	3.1103795	3.202839	3.177378	3.141403	3.005793	3.186564	3.173156	3.213274	3.1677795	3.3368285	3.30339
GUCY1B1	4.75397	5.148345	4.884289	5.1625395	3.4748295	3.040006	3.3400755	3.7788	5.3203355	4.409529	3.325495	3.691384
GVQW3	3.2251755	3.425358	3.306544	3.2896015	3.173882	3.324887	3.2714075	3.2658905	3.1549145	3.3647285	3.1769655	3.3485225
HASPIN	5.349758	5.497157	5.602396	5.528879	5.314288	4.321978	6.385141	5.286797	4.60476	5.01914	5.162024	4.764669

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
HDAC4-AS1	4.018712	4.0114	4.246136	4.041427	3.764692	3.60651	3.735751	3.508053	3.532773	3.881894	3.798624	3.730856
HDGFL2	7.870925	7.579152	7.86703	7.72309	7.515377	6.870798	7.57915	7.636724	7.494467	7.693952	7.330202	7.707308
HDGFL3	7.1452555	6.8097975	6.79748	7.193927	6.6922725	6.896912	7.433157	6.37019	8.117484	7.934544	7.083424	8.0124075
HDHD5	8.632086	8.814643	9.174855	8.902526	8.364891	8.738722	9.296554	8.217445	7.980471	8.880685	9.134542	8.879117
HDHD5-AS1	3.902753	3.789578	3.615831	3.438309	3.588951	3.923819	3.926653	3.615831	3.678679	3.232094	3.74873	3.61167
HECW2-AS1	2.419966	2.315542	2.491702	2.21208	2.410048	2.358584	2.080101	2.326952	2.774987	2.137508	2.477681	2.099809
HEXD	5.325986	5.5987455	5.4989175	5.443002	5.6469705	5.640628	5.53044	5.6845965	5.562359	5.5006985	5.524392	5.614515
HJV	3.386151	3.218235	3.358672	3.367761	3.014569	3.633808	3.269167	3.364269	3.269982	2.955087	3.045512	3.109309
HSD11B1-AS1	4.68984	5.14121	4.818016	5.372595	5.55564	6.035314	5.517559	5.418986	5.71892	5.107493	5.999209	5.102835
HSPC324	4.489627	4.371342	4.670607	4.485827	4.272199	4.742949	4.600174	4.534081	4.463305	4.382234	4.756093	4.216115
HYAL6P	2.568339	2.542651	2.664026	2.566545	2.542651	2.542402	2.41191	2.435672	2.467136	2.523757	2.560316	2.553848
IBA57-DT	3.422805	3.972082	2.874162	3.52541	3.49499	3.288838	3.614649	3.352043	3.168546	3.041738	3.478683	2.906148
IL10RB-DT	3.2332495	3.497899	3.32872	3.3587315	3.5978375	3.801192	3.322934	3.635454	3.4386215	3.2493695	3.49746	3.327148
IL6R-AS1	3.092437	3.58342	3.734781	3.32338	3.293853	3.549205	3.456392	3.299262	3.517474	3.372054	3.209536	3.307223
ILF3-DT	6.001763	5.380565	5.455166	5.941181	7.319429	7.457612	7.759294	7.172083	7.221472	6.91639	7.976798	7.512855
ILRUN	6.569883	6.909891	6.99911	6.767048	7.440088	7.731915	8.529535	7.214008	6.927095	6.02706	6.699931	6.312326
INAVA	4.595654	4.842656	4.722669	5.110913	4.895849	4.588763	5.015853	4.779275	6.661828	4.843929	5.8464	4.834781
INKA1	6.508524	6.423382	6.595488	6.291447	6.100481	6.318734	6.17126	6.220272	6.158867	5.923925	6.251698	5.941262
INKA2	5.803676	5.768215	5.946737	6.632008	6.025913	5.913875	5.88671	6.402081	5.640318	5.486202	5.983468	5.958416
INKA2-AS1	6.129607	5.998778	5.494374	6.080369	5.938404	5.985359	5.894943	6.271078	6.030289	5.896741	6.221779	5.892653
INSYN1	5.792301	5.881	6.329463	5.811644	6.031804	5.183567	5.27074	5.821263	5.851748	5.442073	5.873478	4.539707
INSYN1-AS1	4.204628	4.620973	4.435373	4.11605	3.769119	4.001378	3.855156	4.023552	4.022787	4.080972	3.942417	4.041558
INSYN2A	2.579704	2.381038	2.483748	2.417689	2.502946	2.420804	2.425096	2.451735	2.442318	2.734277	2.819043	2.817687
INTS11	8.354637	8.477244	8.307312	8.33095	8.209129	7.90388	8.50903	8.135068	7.790823	8.287689	8.282179	8.428011
INTS13	9.726669	9.62713	9.914384	10.13227	10.65984	11.22182	10.74574	10.65517	10.00071	10.24919	9.211462	10.45502
INTS14	6.1135685	5.882227	6.1941475	5.992459	6.3328305	6.3427375	6.388062	6.3272045	6.1755	6.563535	6.368965	6.8794985
IQCM	3.858728	3.625087	3.797432	3.639257	3.838662	3.650579	3.838662	3.699874	3.761821	3.750623	3.804615	3.868893
IQCN	4.97638	5.429817	4.8276295	5.0123965	4.979842	4.7835555	4.577192	4.812653	4.956598	4.60426	4.8381555	4.444851
ITGA6-AS1	5.39986	5.614811	5.612858	5.603706	5.46384	5.567984	5.350517	5.483081	5.288426	5.112283	5.494753	5.422259
ITGB1-DT	6.324332	5.600978	5.29517	5.599961	4.886502	4.853248	4.741003	4.894816	6.275188	4.591935	4.844882	4.400365

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
ITPR1-DT	3.549562	3.379281	3.330368	3.046302	5.005872	4.22058	5.474892	4.777387	4.314664	5.460507	4.080065	5.685512
ITPRID1	3.0615705	3.2379515	3.1275805	3.2553545	3.1995935	3.333973	3.158559	3.3080435	3.1836565	3.1769365	3.2896105	3.0206835
ITPRID2	6.299205	5.904519	5.918963	7.075746	5.674801	5.838905	5.56369	5.536748	7.621366	5.8009	6.273168	5.37995
JCAD	6.98484	7.863801	7.200065	7.551007	3.148822	4.751237	3.212071	3.227009	7.300291	3.285175	6.369305	3.196455
JHY	4.4786425	4.6389815	5.178428	4.834356	4.1260395	3.5813535	3.319214	4.3780615	4.2272185	3.582638	4.0469245	3.5669895
JPT1	9.5565015	9.4780745	9.095771	9.8799925	9.8334105	10.074802	9.7287085	9.7053015	8.530357	9.388906	9.6168275	9.044241
JPT2	7.273252	6.813751	7.067497	7.37864	7.329643	7.564978	7.732717	7.213699	7.297893	7.276824	7.578509	7.580807
KCCAT333	2.657029	2.913051	2.644409	2.81855	6.600875	2.722127	2.642867	5.913424	2.469829	2.32884	2.486221	2.506305
KDM7A-DT	6.320754	6.194753	6.282333	6.077667	6.019946	6.588631	5.539184	5.816742	5.798742	5.720757	6.274735	5.655761
KHDC4	7.7470905	7.0237945	7.0664775	6.6831785	7.325018	7.196336	7.5737095	7.269805	6.757485	8.1417895	7.4545145	8.184905
KIAA2012-AS1	4.105811	4.346755	4.196876	4.330171	4.161545	4.15202	4.240752	4.204947	3.753935	4.258932	4.444583	4.15202
KIRREL1	6.108984	6.255608	5.48583	5.298296	5.42601	5.416196	5.714099	5.415912	5.281166	5.073159	5.453098	5.403224
LCAL1	3.949269	4.025173	3.779647	3.599648	3.913627	3.712695	3.794346	3.963855	3.723304	3.905539	4.119447	3.400843
LHFPL6	8.230595	8.071995	7.811479	8.3720975	6.140459	7.6018165	7.007169	6.3472245	7.821423	7.921727	7.4397985	8.507621
LINC002481	5.636209	5.77625	5.596515	5.89109	5.8795425	5.9427235	5.773308	5.9854305	5.9101345	5.860514	5.9764615	6.086594
LINC00513	3.830954	3.5543165	3.716368	4.018303	4.059231	5.344546	3.6992345	4.1979175	3.893577	3.3460345	3.992619	3.455915
LINC00653	4.567385	5.334388	4.872396	4.971975	4.845229	4.615017	4.982423	5.063481	4.882493	5.154525	5.626967	5.230799
LINC01148	3.40364	2.911734	3.196659	3.175702	3.447014	3.141846	3.193722	3.244718	3.107426	3.202437	3.518306	3.261159
LINC01238	3.618336	4.139477	3.951353	4.104932	3.844089	3.820678	3.927716	4.098838	3.751345	3.700802	3.697907	3.873289
LINC01590	3.0056365	3.215181	3.301373	3.091954	3.0577905	3.0688405	3.053273	2.9491765	3.0431945	4.5714605	3.295305	5.0889275
LINC01599	4.967262	5.070234	4.649016	5.1686	5.125749	4.992896	5.036973	5.109533	5.072991	4.926475	5.175447	4.976743
LINC01622	4.009154	4.111154	4.042717	3.818183	4.271811	4.114353	3.892541	4.203363	4.188777	4.097745	4.081091	3.803809
LINC01635	3.564474	3.655168	3.609792	3.567296	3.36215	3.709049	3.538501	3.725739	3.48462	3.418475	3.599437	3.682979
LINC01644	4.405542	4.303243	4.584319	4.18787	4.278046	4.300411	4.02607	4.479933	4.096847	4.190766	4.325587	4.038011
LINC01647	3.241076	3.266936	3.17313	3.223809	3.160458	3.299224	3.297092	3.299856	3.216823	3.265178	3.610171	3.332366
LINC01648	5.168821	5.599961	5.379911	5.524647	5.410749	5.379972	5.325187	5.530168	5.570474	5.3853	5.388335	5.157363
LINC01649	3.399277	2.925661	3.066645	2.932005	3.00495	3.00495	2.958239	3.327829	3.188102	3.559015	3.207615	3.278537
LINC01653	4.231126	4.103968	4.079785	4.022823	4.218696	4.071683	4.296057	4.228124	4.027658	4.12838	3.813298	3.504336
LINC01654	3.218722	3.254005	3.627013	3.277208	3.064274	3.369301	3.097959	3.253018	3.508061	3.192913	3.166508	3.214163
LINC01656	4.156307	4.507677	4.825425	4.511355	4.21009	4.283607	4.391296	4.242613	4.549421	4.193895	4.112823	3.882738

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
LINC01657	3.654833	3.680956	3.76006	3.937531	3.849043	3.915734	3.849427	3.914796	3.750705	3.798533	4.075828	3.861363
LINC01664	5.601322	5.915955	5.786282	5.609954	5.603611	5.645908	5.73206	5.888937	5.63162	5.671819	5.78764	5.236993
LINC01667	4.087936	4.115498	3.922416	3.859212	3.7485445	3.8196625	3.715295	3.7553735	3.7621965	3.7500295	3.855137	3.8389715
LINC01676	4.159944	4.551673	4.475564	4.486922	4.742908	4.093736	4.215151	4.720236	4.285005	4.732285	4.417133	4.362158
LINC01679	4.738419	4.686642	4.676232	4.68406	4.444148	4.44263	4.482891	4.444148	4.222869	4.198793	4.563917	4.528921
LINC01686	4.763589	5.057131	4.657785	4.922292	4.750408	4.881668	4.815749	4.60696	5.231869	4.684157	5.145797	4.751527
LINC01687	3.121092	2.778182	3.673253	3.155836	2.731241	2.700239	2.701956	2.977787	3.070245	2.981138	3.185467	2.69316
LINC01689	2.699863	2.608872	2.77979	2.588061	2.478521	2.750106	2.336211	2.577701	2.586061	2.576741	2.704758	2.387338
LINC01692	2.094057	2.215067	2.287625	2.237574	2.128735	2.15366	2.173305	2.229154	2.20909	2.147571	2.169029	2.279922
LINC01700	4.635413	4.970285	4.9351	4.714723	4.660063	4.577462	4.518548	4.686127	4.485208	4.419174	4.420448	4.299236
LINC01704	3.792266	3.6661315	3.814729	3.9761945	4.10993	4.0056015	4.054097	4.117509	3.8630085	3.93524	3.9851625	3.6725225
LINC01706	3.464092	3.643148	3.133576	3.205991	3.113206	2.997365	2.931014	3.207196	3.49366	3.036708	3.199939	2.899824
LINC01711	5.210745	5.220994	5.257613	5.420051	5.489484	5.351418	5.546469	5.285907	5.517755	4.861084	5.554334	5.052284
LINC01718	5.539378	5.90889	5.552398	5.614802	5.563746	5.378066	5.559612	5.685841	5.570897	5.26632	5.462519	5.243623
LINC01720	2.386553	2.256136	2.44809	2.380441	2.346522	2.264914	2.221943	2.55856	2.194261	2.409737	2.589763	2.469829
LINC01722	2.94633	2.884274	3.141565	3.285451	3.15678	2.779493	3.14318	3.349091	3.05869	3.037932	2.761378	3.008856
LINC01723	4.517766	4.741884	4.568123	4.176183	4.66213	4.518982	4.54762	4.721816	4.499677	4.633548	4.233048	4.505926
LINC01732	4.4450405	4.825183	4.622621	4.5457835	4.3867175	4.370436	4.3628535	4.2968755	4.224025	4.24799	4.359479	4.3773165
LINC01734	3.26719	3.48462	3.468774	3.508509	3.632139	3.569812	3.49499	3.567617	3.575107	3.328506	3.900793	3.679157
LINC01737	3.820921	3.762858	3.784439	3.906794	3.395864	3.383555	3.423016	3.450557	3.591161	3.375367	3.558272	3.412405
LINC01741	4.892502	5.022187	4.620405	5.159963	5.170288	4.944352	5.059995	5.199296	5.301786	4.601218	4.895525	4.56128
LINC01743	5.688724	6.33741	6.010907	6.119988	6.269903	6.083879	6.071959	6.196372	5.901898	5.968374	6.132501	5.584898
LINC01750	3.060731	3.121003	3.252737	3.443872	3.309547	3.065325	3.01651	3.497566	3.201508	2.83613	3.178166	3.057216
LINC01751	4.354849	4.493571	4.78256	4.829458	4.61498	4.551554	4.518775	4.608406	4.510862	4.625806	4.940882	4.276119
LINC01756	4.436603	4.496058	4.21009	4.662563	4.436603	4.451696	4.553779	4.522932	4.369766	4.5029	4.340643	4.320308
LINC01775	5.4244	5.807555	5.335904	5.580107	5.407901	5.469018	4.994529	5.465248	5.391881	5.142086	5.501861	4.809309
LINC01777	3.3210885	3.5332365	3.308232	3.2834585	3.1356755	3.166172	3.2140065	3.128921	3.159154	3.040475	3.091153	2.820637
LINC01782	3.251726	4.076462	3.707062	3.793343	3.508526	3.476607	3.480695	3.700511	3.607218	3.424376	3.777075	3.317464
LINC01785	5.28616	5.229112	5.135186	5.442503	5.240566	5.107493	5.104433	5.246316	5.077668	5.144701	5.112988	4.831759
LINC01788	3.442833	3.355979	3.379085	3.468886	3.381429	3.403919	3.3253	3.140031	3.216823	3.135973	3.431283	3.379085

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
LINC01792	3.056336	2.971087	2.923429	3.103723	3.39623	3.277331	3.108821	3.3253	3.285694	3.244336	3.492126	3.315828
LINC01798	3.1105465	3.3176675	3.2664135	3.395085	3.267683	3.208276	3.1693645	3.312176	3.144453	3.3047005	3.371024	3.426294
LINC01799	2.709648	3.013594	3.039264	2.995806	3.338898	2.931724	3.13245	2.886547	2.979274	2.762558	2.999025	2.847979
LINC01800	3.932603	3.751555	3.999777	3.912824	3.90221	3.936563	3.900672	3.87775	3.989581	3.54826	4.150319	4.144195
LINC01806	3.134617	3.0107375	2.950824	2.911585	2.7842805	2.834946	2.7801415	2.7981275	2.820407	2.7178145	2.9602205	2.7455335
LINC01809	3.075923	3.483854	3.611765	3.465687	3.626975	3.360579	3.639665	3.541886	3.737104	3.193411	3.621151	3.435667
LINC01812	4.119661	4.251653	4.131641	4.299122	4.187853	4.382766	4.06159	4.220736	3.877382	3.876233	4.164915	4.072354
LINC01815	2.850623	2.778534	2.831349	2.540103	2.778863	3.136773	2.754071	2.792607	2.697863	2.888074	2.831886	2.670815
LINC01816	4.331427	4.387049	4.18623	4.479799	3.819902	4.195563	4.114734	4.357788	3.923304	3.796562	4.514854	3.82432
LINC01821	3.874331	4.056475	4.352494	3.978511	3.766905	3.70346	3.687678	3.85338	3.74563	3.81296	3.774994	3.778219
LINC01831	3.026982	2.944354	3.332674	3.139192	3.072734	2.943076	3.153783	2.870836	3.008565	3.306027	2.987298	2.973742
LINC01838	4.497149	4.643888	4.281026	4.382924	4.421042	3.994249	4.310332	4.330339	4.467183	4.125214	4.443862	3.964612
LINC01842	3.339067	4.269554	3.699391	4.149243	4.363959	4.152239	4.30255	4.229317	3.688951	3.697158	4.05126	3.933442
LINC01843	4.337692	4.319599	4.801537	4.180154	4.655609	4.426749	4.219252	4.66493	4.617872	4.238848	4.604014	4.339698
LINC01844	3.624028	3.380509	3.565094	3.283555	3.570642	3.499682	3.525627	3.849426	3.513979	3.569562	3.821567	3.624028
LINC01845	3.809627	4.056537	4.116534	3.675255	4.003175	3.993847	4.114353	4.199975	3.946108	3.921887	4.320427	3.815668
LINC01847	3.958261	4.057721	3.856936	4.069596	4.069022	4.142557	3.854521	3.95256	3.848212	3.611506	4.147327	3.827909
LINC01854	3.441757	3.48462	3.474422	3.591527	3.95658	3.652476	3.614649	3.917458	3.826893	3.727468	3.878856	3.916316
LINC01858	3.031434	3.26711	3.146558	3.255962	3.253409	3.554681	3.617428	3.18061	3.287686	3.276531	3.45566	2.956394
LINC01859	4.095364	4.162826	4.041213	4.025262	4.127685	4.327113	4.117948	4.529292	4.024583	3.953697	4.152176	3.923133
LINC01864	3.059845	3.208576	3.336808	3.3253	2.937818	3.049237	2.944923	3.139348	3.005882	3.214418	3.24017	2.937163
LINC01869	5.430538	6.080657	5.382478	5.765676	5.61167	4.835367	5.538372	5.587541	5.260944	5.249493	5.323119	5.105113
LINC01874	5.206485	5.020103	4.729232	5.207376	5.352435	4.986582	5.03745	5.051409	4.848248	4.841676	4.820573	4.556317
LINC01875	5.489302	5.932447	5.660909	5.913589	5.807355	5.717695	5.569234	5.677152	5.689841	5.423709	6.089226	5.246942
LINC01876	3.473682	3.864469	3.464698	3.988786	3.891098	3.63443	4.056985	4.005222	3.879341	3.634075	3.676603	3.817307
LINC01877	3.315647	3.329211	3.238685	3.390929	3.778819	3.299956	3.478001	3.332182	3.268387	3.372054	3.284163	3.097791
LINC01883	3.396375	3.271864	3.136046	3.371386	3.292339	3.347715	3.235043	3.439646	3.281941	3.271496	3.374061	3.356122
LINC01896	4.3864725	4.6539835	4.5471255	4.1801955	4.2443845	4.3755535	4.2483445	4.342071	4.3736995	4.016955	4.4545335	4.184536
LINC01898	5.492525	5.649269	5.63695	5.352679	5.39903	5.399487	5.436839	5.446521	5.264519	5.431067	5.461297	5.310792
LINC01904	3.596608	3.668955	3.396676	3.609768	4.039281	3.698296	3.687593	3.88249	3.622044	3.488305	3.888397	3.159672

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
LINC01913	4.100355	4.822641	4.21009	4.583469	4.163685	4.248933	4.28034	4.48013	4.032305	3.937001	4.26381	3.875132
LINC01917	2.853886	2.780732	2.706299	2.685551	2.760203	2.699228	2.869383	2.477679	2.591835	2.873502	2.565817	2.822638
LINC01920	4.306087	4.572324	4.381651	4.534005	4.462424	4.432055	4.390397	4.485051	4.2629	4.308758	4.78451	4.288423
LINC01921	3.765403	3.8109485	3.9798065	3.692219	3.962147	3.933094	3.759602	3.9527385	3.920723	3.604899	4.011571	3.6984325
LINC01922	3.40214	3.6403135	3.616673	3.6607005	3.751165	3.84905	3.75049	3.7669485	3.569581	3.551897	3.6498905	3.5441005
LINC01924	3.288646	3.380694	3.890492	3.740006	3.83578	3.380694	3.674918	4.017454	3.688132	3.415373	3.909671	3.849756
LINC01927	3.922693	4.130235	4.183068	3.853772	4.217103	3.974406	4.011149	4.153922	4.034434	3.894902	3.676057	3.923365
LINC01931	3.0674515	3.176885	3.087129	3.2477815	3.2027845	3.1595715	3.0683145	2.9061645	2.914391	2.9971675	3.290283	2.981912
LINC01933	3.398943	3.6173215	3.4944005	3.181916	3.221509	3.153103	3.14916	3.2316825	3.166187	3.1736515	3.5268	3.20963
LINC01936	4.048262	4.257482	4.138247	4.514197	4.112659	3.856385	4.37813	4.188391	4.102946	4.043998	4.16001	3.990435
LINC01943	6.1898	6.541721	6.543756	5.238409	6.252657	9.271656	6.051868	6.467768	7.500108	4.537092	9.18235	4.049627
LINC01949	3.6272585	3.493496	3.5335295	3.5268625	3.5950705	3.424433	3.725542	3.8224925	3.6392295	3.763093	3.5420765	3.71392
LINC01957	2.949481	3.291435	3.051556	3.268243	3.089088	2.94053	3.117797	2.932113	2.930814	2.742041	3.082285	3.270439
LINC01963	6.2491	5.371906	5.763678	6.326033	5.893693	6.49256	6.054336	5.924936	6.293857	5.949009	5.635513	5.617653
LINC01968	5.04709	4.93723	5.403132	5.602371	5.725658	5.216078	5.537987	5.702843	5.311655	5.103414	5.389737	5.362631
LINC01970	3.121092	3.174422	3.050926	3.074964	3.112835	3.075227	3.406148	3.210201	3.009517	3.076978	3.089708	3.009517
LINC01981	2.800515	2.547907	2.705475	2.67638	2.935757	2.723215	2.797729	2.991486	2.671736	2.69995	2.614944	2.640819
LINC01986	2.465879	2.573503	2.514647	2.792057	2.401397	2.627457	2.600156	2.455961	2.505477	2.523939	2.701047	2.36559
LINC01988	5.206009	5.413508	5.060669	5.157647	4.802145	5.102106	5.05401	4.859171	4.735717	4.326214	4.956894	5.135162
LINC01990	2.49819	2.6431265	2.6186065	2.448753	2.464472	2.4734725	2.3630435	2.45269	2.9751505	2.366907	2.3759275	2.4085355
LINC01996	4.599721	5.012454	4.758426	4.746816	4.721148	4.642811	4.662689	4.872426	4.706461	4.403941	4.47578	4.162532
LINC02003	3.869738	4.230235	4.18349	4.199632	4.122326	4.217017	4.185627	4.262873	4.091383	4.166127	4.31099	3.893731
LINC02011	2.748043	2.565633	2.70472	2.645543	2.552187	2.425364	2.508254	2.607442	2.770353	2.495909	2.830331	2.641131
LINC02012	4.480153	4.859048	4.807238	4.413149	4.432298	4.233034	4.419609	4.436488	4.234967	4.475962	4.637207	4.297337
LINC02016	3.265333	3.115755	3.26139	3.26139	3.333735	3.216663	3.353526	3.554543	3.261239	3.041559	3.098491	3.230882
LINC02023	3.038498	3.260592	3.300353	3.289148	3.282408	3.23716	3.234098	3.200007	3.170564	3.250669	3.212463	3.143954
LINC02026	3.430839	2.967942	2.835133	3.357485	3.044126	3.389693	3.162749	3.160424	3.216823	3.262692	3.145546	3.546817
LINC02032	3.277907	3.083055	3.184061	3.184061	3.176565	3.035511	3.166909	3.164268	3.232577	3.362978	3.337971	3.433223
LINC02035	6.650112	5.708789	7.295609	6.485539	6.524737	7.736186	6.943787	6.546584	7.09203	7.577904	6.934278	6.890525
LINC02036	3.25648	3.741605	3.50399	3.584931	3.924595	3.628898	3.647575	3.85157	3.799628	3.747257	4.065146	3.794509

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
LINC02042	2.539834	2.667758	2.606817	2.921801	2.756283	2.543349	2.761479	2.834789	2.641306	2.624936	2.800769	2.510517
LINC02044	3.828314	4.012451	4.200497	4.035208	3.986155	3.966797	4.182587	4.276044	4.171885	4.045123	4.088825	4.65411
LINC02047	2.657438	2.823651	2.920609	3.034448	2.991312	2.917852	2.894602	2.962546	2.991255	2.569013	3.188528	2.807885
LINC02052	2.51405	2.382691	2.452534	2.516229	2.434346	2.396837	2.363463	2.446173	2.45284	2.395991	2.36647	2.386526
LINC02053	2.9679955	2.877759	3.089654	2.679315	3.186408	2.9360565	3.000885	2.9911915	2.973566	3.0365845	2.853745	2.922015
LINC02059	2.358726	2.49893	2.294439	2.480273	2.338637	2.336135	2.262364	2.47109	2.410739	2.364036	2.516155	2.661727
LINC02060	2.986225	3.13065	2.814337	2.948696	2.85891	3.155579	2.940646	3.000044	2.814767	3.059226	3.178191	2.908401
LINC02064	5.489302	5.389157	5.402254	5.547844	5.451521	4.912235	5.334967	5.366926	5.295555	5.045076	5.365042	4.987092
LINC02065	3.859847	4.101188	3.420974	3.799482	3.458288	3.530165	3.564761	3.915374	3.807714	3.474795	4.113437	3.66966
LINC02070	2.445912	2.69154	2.561071	2.647979	2.566806	2.353833	2.357607	2.516479	2.409551	2.377796	2.409551	2.169937
LINC02076	4.375612	3.5746715	3.673939	3.533958	3.1956045	2.9469985	3.387214	3.0372495	3.171948	3.847836	3.2710715	4.828224
LINC02078	3.908424	4.5163	4.116204	4.156879	4.123125	4.013168	4.014254	4.031321	3.601847	3.589103	3.934055	3.672821
LINC02085	2.899142	3.133433	3.022417	2.816692	2.623082	3.366517	2.661187	2.962373	2.815899	3.040395	2.950325	2.687117
LINC02091	3.863364	4.175305	3.621895	3.889893	3.649542	3.649682	3.474582	3.714833	3.532143	3.332333	3.818347	3.261638
LINC02092	3.7041245	3.8462105	3.638246	3.419635	3.421364	3.276016	3.431053	3.530344	3.587831	3.311538	3.3514885	3.3749025
LINC02097	3.673976	4.264627	3.90793	4.377004	4.0053	3.94768	3.942327	4.439077	4.014339	3.759106	3.952964	3.819198
LINC02099	3.301309	3.439931	3.389281	3.3552735	3.313923	3.4805365	3.2497465	3.2172865	3.252378	3.204315	3.220942	2.928332
LINC02112	3.013872	3.0398225	3.1289175	2.884259	2.9099645	2.921371	2.8631305	2.9167965	2.8561155	2.8177825	3.0628225	2.709151
LINC02114	3.203121	2.998739	3.000654	2.855507	2.992102	2.843462	2.804268	2.74724	2.898464	2.544677	2.845815	2.728863
LINC02116	3.371408	3.438295	3.65155	3.588108	3.423163	3.466406	3.439363	3.449688	3.408082	3.427369	3.471569	3.195278
LINC02119	2.887964	2.978322	2.67067	2.732218	2.931441	2.859426	2.971327	2.862936	2.834748	3.372054	3.094288	3.447014
LINC02123	2.753345	3.108606	2.859426	2.507209	2.798719	2.94242	2.845367	2.903927	2.936517	2.548136	2.792092	2.787533
LINC02126	4.317279	4.030525	4.244819	4.657306	3.922138	4.402379	3.648256	3.929185	3.980395	3.555467	4.001273	3.362989
LINC02135	3.077916	3.031402	2.71171	3.195748	2.813101	2.95684	2.95684	2.942181	2.928951	2.745489	3.182813	2.937286
LINC02139	3.941567	4.24593	3.96119	4.159789	4.397928	4.165054	4.12734	4.250256	4.20841	4.097745	4.034019	4.059585
LINC02140	3.356203	3.517465	3.650386	3.670897	3.732035	3.546394	3.629367	3.615227	3.629367	3.558928	3.70958	3.741465
LINC02145	3.102954	2.773834	2.849596	2.905251	3.05435	2.878201	2.864006	2.93748	2.913189	2.776667	3.019928	2.908294
LINC02148	3.046834	2.850533	2.38648	2.833945	2.67147	2.814406	2.620462	2.646441	2.713165	2.694175	2.676868	2.30541
LINC02149	2.87749	2.718992	2.708736	2.658995	3.265177	2.779955	2.7698	2.876596	3.042295	2.883452	2.896039	2.764711
LINC02150	3.677361	4.049183	3.921244	4.160789	3.832956	3.726794	3.934251	4.021494	4.007868	3.826965	3.886978	3.537985

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
LINC02153	3.7080435	3.8386705	3.498456	3.686349	3.554433	3.3678595	3.572641	3.536377	3.6578735	3.3146035	3.6964175	3.470658
LINC02158	2.419978	2.756504	2.574759	2.709671	2.615639	2.461251	2.623428	2.524898	2.623433	2.849141	2.705953	2.700157
LINC02171	5.705123	6.228303	6.037148	5.649186	5.320918	5.391801	5.404556	5.51745	5.23516	4.977343	5.252804	5.09506
LINC02175	4.9533295	4.95871	5.040913	5.423845	5.7309965	5.2895815	5.425005	5.568692	5.249969	4.90689	5.521321	5.0026615
LINC02179	3.711386	4.149874	3.715005	3.892322	3.9252	3.826982	4.002557	4.025259	3.835704	3.611722	3.547808	3.85722
LINC02186	3.050141	3.19453	3.208757	2.990497	3.037107	3.459952	3.138438	3.136857	3.299333	2.889379	2.965069	2.599359
LINC02189	3.262123	3.354248	3.378832	3.252374	3.414618	3.026198	3.464792	3.458774	3.331277	3.283603	3.426586	3.203988
LINC02192	3.00965	2.730803	3.196659	2.802576	3.079351	3.399139	2.958469	2.988955	2.761945	2.541695	3.196659	2.694036
LINC02199	4.085435	4.196175	4.028316	4.276194	4.422713	4.245337	4.156958	4.598402	4.222282	4.227899	4.204099	3.969139
LINC02201	4.383827	4.710855	4.264575	4.634066	4.15599	4.309645	4.310927	4.34193	4.263676	4.337189	4.566082	4.023493
LINC02203	2.962706	3.021005	2.924123	3.251097	3.133804	2.894174	3.329437	3.255182	3.259126	2.870571	3.471258	3.138799
LINC02209	4.428995	4.459597	4.700994	4.478237	4.40874	4.309645	4.642828	4.579743	4.306665	4.263214	4.26655	4.080974
LINC02218	4.078791	4.193235	4.211053	4.283401	4.261717	4.208022	4.139905	4.19778	4.19997	3.900518	4.370054	3.873289
LINC02223	2.831068	2.9184095	3.016613	2.855483	2.7583865	2.6883775	2.808456	2.791887	2.8840075	2.863243	2.7068115	2.5780725
LINC02225	2.321075	2.57906	2.4354	2.619889	2.513447	2.664387	2.294858	2.469828	2.647414	2.46181	2.423088	2.973213
LINC02226	5.312444	5.184603	5.176858	5.194117	5.148386	5.160889	5.074386	5.345568	5.122233	5.044334	5.264363	4.455338
LINC02232	2.585	2.612851	2.708705	2.66263	2.386077	2.4326185	2.508226	2.4427495	2.3861595	2.5091825	2.604201	3.014629
LINC02239	3.8507115	4.128873	4.2734785	3.789783	3.4746455	3.6842565	3.676905	3.676368	3.6319765	3.598895	3.703498	3.550171
LINC02240	4.304995	3.844209	3.772197	3.937487	3.950562	3.836676	3.721853	4.060922	3.697365	3.265178	3.974777	3.485557
LINC02243	3.439018	3.329749	3.206285	3.189953	3.045534	2.851239	3.100534	3.150678	3.206753	3.216898	3.133808	3.099136
LINC02245	2.926016	3.118544	2.878437	2.94371	2.944973	2.807773	2.967691	2.808943	2.824757	2.757856	3.027596	2.764721
LINC02249	2.744664	2.775458	2.579828	2.754929	2.734282	2.649904	2.713222	2.483667	2.618863	2.664779	2.652347	2.690436
LINC02254	3.295522	3.454607	3.654197	3.187771	3.318492	3.511237	3.357402	3.341711	3.381429	3.182704	3.546882	3.166117
LINC02256	6.235213	6.308504	6.468282	5.957807	6.209843	5.705774	6.265387	6.209522	6.52197	7.158432	6.042495	7.68439
LINC02260	4.86018	5.047718	4.892306	4.975428	5.061176	4.703414	4.948242	5.217988	4.86394	4.612328	4.626523	4.497831
LINC02270	3.080312	2.790114	3.30002	3.046996	2.959817	3.001514	3.038498	3.100564	3.089708	3.21955	3.187227	3.052511
LINC02273	5.251669	5.888794	5.36776	5.482189	5.489277	5.696898	5.427767	5.488776	5.479584	5.389293	5.80204	4.954854
LINC02274	2.650351	2.813898	2.627247	2.525472	2.777606	2.888193	2.700867	2.847806	3.00556	2.525472	2.747111	2.670694
LINC02287	5.223442	4.898253	5.259092	5.43992	5.407775	5.098123	5.197269	5.350782	5.397182	5.054989	5.232919	5.130843
LINC02297	2.212719	2.214594	2.311069	2.381038	2.293131	2.218878	2.244848	2.06271	2.232306	2.231163	2.216114	2.255268

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
LINC02314	3.922276	4.093534	3.885938	3.662514	3.957816	3.862619	3.788494	3.842306	3.881197	3.847316	3.795249	3.612744
LINC02318	2.483187	2.470299	2.579704	2.632305	2.531851	2.931014	2.541391	2.536701	2.418289	2.476736	2.747041	2.386553
LINC02325	3.523877	3.349851	3.583908	3.666952	3.733042	3.161724	3.349851	3.616477	3.548084	3.586568	3.583908	3.057312
LINC02345	3.941963	4.272258	4.355424	3.938645	4.47586	4.590729	4.481866	4.520028	4.496369	4.267048	4.572546	4.127518
LINC02347	2.739779	3.242004	3.007799	2.939762	2.763264	2.725801	2.762471	2.931014	2.666717	2.62649	2.827842	2.449964
LINC02349	2.580933	2.692003	2.708737	2.505299	2.880806	2.723215	2.788842	2.73241	2.690306	2.824331	2.588899	2.473449
LINC02352	2.320495	2.313035	2.334209	2.252614	2.430757	2.394262	2.333745	2.16415	2.282337	2.516872	2.423194	2.789737
LINC02353	3.229785	3.326834	3.240777	3.232168	3.452586	3.186566	3.004331	3.108382	3.124417	3.153333	3.240896	2.973563
LINC02355	4.82693	5.060696	4.961447	5.3601	5.015113	5.428048	5.026877	5.147715	5.230162	4.986901	4.932351	4.985972
LINC02361	5.062565	4.920145	4.712113	4.381343	4.945327	5.012979	4.748519	4.815479	4.798249	4.361436	4.667603	4.670681
LINC02363	3.4459815	3.4478445	3.3030325	3.3666485	3.3803665	3.37692	3.2157755	3.3668925	3.5886095	3.3896445	3.5585555	3.2308795
LINC02372	3.004858	3.174468	3.49425	3.158652	3.194334	3.096889	3.282606	3.379909	3.221523	3.168567	3.343793	3.045744
LINC02375	2.791649	2.686333	2.835317	2.686791	2.836049	2.545697	2.69542	2.665006	2.643984	2.982731	2.949572	2.443419
LINC02380	4.472456	4.512124	4.624306	4.620284	4.824563	4.604568	4.702274	5.110913	4.359658	4.359658	4.651551	4.625892
LINC02381	9.166187	9.113082	9.781466	8.843278	8.706586	10.11664	9.557755	8.802306	5.60365	8.862566	9.426977	10.12261
LINC02382	3.035543	3.623122	3.323275	2.996107	3.356703	3.095066	3.277457	3.124508	3.334856	3.026035	3.373951	3.144265
LINC02387	3.444459	3.561132	3.423569	3.469696	3.947737	3.57961	3.381429	3.722685	3.46795	3.594373	3.746184	3.493876
LINC02388	3.800157	4.266082	4.321376	3.991178	3.928561	3.953725	3.833774	4.08779	3.919196	3.958586	3.772592	3.848709
LINC02397	3.121092	3.212829	3.142426	3.068174	3.087609	3.241981	3.030138	3.127125	3.058257	2.834482	3.179585	3.007064
LINC02400	4.044922	3.583266	3.884132	3.963739	3.669797	3.52213	3.501464	4.063204	3.692111	3.400856	3.856427	3.557257
LINC02401	5.660611	5.722306	5.636496	5.597504	5.699317	5.608654	5.605061	5.732926	5.742152	5.332328	5.694379	5.258654
LINC02402	2.899443	2.804608	3.197426	3.074964	3.044126	3.27077	2.925109	2.972941	3.134956	3.126546	3.235464	3.03284
LINC02405	3.79316	4.258931	4.300125	4.257934	4.487434	4.368738	4.479891	4.341306	4.138442	3.849162	4.401925	4.230375
LINC02421	3.025456	2.995017	3.33851	3.009103	2.950617	3.048819	2.950119	3.251213	3.045799	2.97697	2.831518	3.235765
LINC02426	3.401199	3.292016	3.452231	3.110265	3.298688	3.295219	3.104174	3.172371	3.244784	3.000597	3.163747	2.963335
LINC02431	3.778916	4.069106	3.508716	3.863798	3.522869	3.169273	3.472218	3.38655	3.492053	3.561206	3.338331	3.487834
LINC02433	2.356565	2.2089	2.36817	2.424497	2.363681	2.531686	2.608705	2.462934	2.535718	2.420362	2.47447	2.386553
LINC02443	4.893067	4.647994	4.757367	4.886771	4.442184	4.288892	4.587183	4.46433	4.529499	4.430817	4.532852	4.52514
LINC02458	3.127684	3.466244	2.949284	3.504238	3.478942	3.768142	3.483752	3.715299	3.599255	3.3567	3.248114	3.444154
LINC02466	2.723756	2.926068	2.830403	2.855179	3.05268	2.920825	2.893525	2.814605	3.038036	2.665782	2.867715	2.591495

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
LINC02475	3.690483	3.822515	3.574802	3.533483	3.637955	3.577744	3.614649	3.684775	3.487188	3.459281	3.472404	3.663573
LINC02483	3.118096	3.071956	2.960979	2.797619	3.160053	2.657309	2.797652	3.066546	2.640876	2.775018	2.852423	2.765197
LINC02487	4.27085	4.4943755	4.4627475	4.6923515	4.404052	4.345003	4.509487	4.6562445	4.3248095	4.126494	4.1029465	4.173395
LINC02492	2.869383	3.173709	2.930426	3.05202	2.781264	2.708974	2.762558	2.890396	2.653738	2.826372	2.874525	2.738975
LINC02493	4.498809	4.477229	4.210091	4.729348	4.340148	4.428266	4.312859	4.646933	4.661655	4.427351	4.583183	4.837891
LINC02499	4.134635	4.192088	3.698649	3.973372	4.354013	4.167958	4.119543	4.129621	4.348569	4.25841	4.463621	3.806901
LINC02502	4.342809	4.468209	4.218724	4.572191	4.560361	4.39975	4.712989	4.872036	4.414724	4.292542	4.578719	4.509325
LINC02504	5.760287	5.822306	5.414637	5.63059	5.551409	5.579995	5.49312	5.617898	5.245739	5.159806	5.646967	4.817775
LINC02510	2.676758	2.723859	2.548176	2.762558	2.918349	2.519051	2.738487	2.711625	2.7677	2.548551	2.548591	2.659884
LINC02520	4.629787	4.932503	5.184692	4.730962	5.059662	4.469176	4.335549	4.981432	4.689988	4.830947	4.813504	4.619953
LINC02523	3.868026	4.702853	3.900519	4.14715	4.24887	4.206276	4.07751	4.292357	4.123242	4.208947	4.436287	4.101813
LINC02525	2.941626	3.247808	3.263809	3.205991	3.643645	3.30761	3.320975	3.739423	3.268294	3.251404	3.096081	2.893283
LINC02530	3.221596	3.095317	3.090466	3.14437	3.431067	3.472339	3.147569	3.248507	3.297998	2.901596	3.196658	3.20577
LINC02532	3.400646	3.5580045	3.445034	3.657957	3.716157	3.608755	3.6976785	3.704393	3.5411915	3.4790895	3.4744795	3.489169
LINC02535	3.90602	3.436792	4.048135	4.03874	4.166253	6.120847	3.952108	4.256393	4.666473	3.876995	6.261481	4.377919
LINC02537	4.162227	3.88338	3.817434	4.144431	3.658344	3.924856	3.775471	3.684775	3.71643	3.945629	3.829763	3.493689
LINC02544	3.801043	3.994249	4.489782	4.218114	4.069679	4.273915	3.950562	4.198871	4.04243	4.180553	4.015012	3.950994
LINC02549	3.856591	3.837342	3.959391	3.760691	3.651418	3.887341	3.559068	3.463445	3.639392	3.277882	3.913136	3.169171
LINC02551	2.560065	2.547674	2.440813	2.475841	2.086192	2.622469	2.231435	2.20516	2.113928	2.174824	2.235994	2.140912
LINC02579	5.240441	5.320155	5.466077	5.409462	5.127812	4.965287	5.09112	5.251688	5.135542	5.153978	5.06552	4.910923
LINC02580	4.293473	4.80594	4.319959	4.696015	4.657888	4.356271	4.616446	4.802144	4.297093	4.009553	4.467768	4.388025
LINC02582	3.3157375	3.384454	3.4261555	3.515631	3.232076	3.331024	4.996692	3.4809185	3.3090895	3.2493015	3.331586	4.552196
LINC02591	3.770056	3.9733395	3.970263	3.8068265	3.9570195	3.849316	4.051509	3.8448925	3.9202395	3.6658105	3.928753	3.5795935
LINC02593	5.5715915	5.617462	5.6154865	5.838161	6.461762	5.622027	5.6768405	6.6083695	5.3241845	5.2273645	5.622478	4.978799
LINC02595	2.950112	3.306247	3.225531	2.922151	3.089719	3.11561	2.862751	3.083885	2.927974	3.093422	3.125155	2.83051
LINC02603	4.805771	3.74691	3.900519	3.959751	3.74767	3.380876	3.657054	3.541816	3.758425	3.659106	3.593886	3.676057
LINC02604	5.1162115	4.9552445	5.077557	4.878213	4.9450795	4.826647	4.6785745	5.0344415	5.3416	4.8097485	5.3173455	4.6551715
LINC02610	5.022654	5.398344	5.070174	4.889569	4.961205	4.783313	5.140928	5.008797	5.04962	4.701772	5.06636	4.639044
LINC02615	4.80753	4.227326	5.216825	4.713751	6.32759	4.820783	4.834727	6.441482	5.749614	6.823365	5.563425	5.949886
LINC02616	3.928524	4.213531	4.32647	4.109615	4.21009	4.150918	4.058867	4.356255	3.985099	4.096575	4.220211	4.308305

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
LINC02620	3.209172	2.982913	2.969375	3.117761	3.1605	3.126462	3.09352	3.202009	2.803099	3.573375	3.196658	4.847618
LINC02653	3.835386	3.567557	3.818326	3.774868	3.995795	3.836165	4.032933	4.263212	3.814743	3.181336	4.076705	3.761308
LINC02656	2.922194	2.88485	2.914685	2.838085	2.740402	2.704472	2.650937	2.665554	2.924213	2.830173	2.925789	2.870876
LINC02670	3.19123	2.724098	3.261073	3.105617	3.09563	3.202485	2.912723	2.842948	2.98681	2.877198	2.939037	3.193116
LINC02673	5.369413	5.2354	5.185307	5.472087	5.423516	5.189066	5.305955	5.509747	5.307037	5.375431	5.540249	5.532602
LINC02683	4.260119	4.30789	3.856744	4.24382	4.430276	4.019096	4.150327	4.52357	4.297726	3.958241	4.254807	3.738665
LINC02685	4.9378345	5.014104	5.0055045	5.226315	5.356013	5.206664	5.09661	5.2714005	4.9293245	4.984056	5.0837385	5.0782115
LINC02688	5.553483	5.96704	5.423134	5.718239	5.546658	5.398093	5.406514	5.641404	5.262946	5.043922	5.495047	5.450535
LINC02693	4.8115665	4.6776715	4.537179	4.7632665	4.080778	4.562547	4.0025895	3.921742	4.6229205	4.2985445	4.9016145	4.427599
LINC02708	4.945244	5.114388	5.082718	5.165547	5.099905	5.121941	5.17484	5.197723	5.362328	5.167326	5.109018	4.807937
LINC02709	6.2314605	6.2774085	6.3719755	6.2077765	5.9383295	5.9284075	5.802489	5.932228	6.136293	5.777784	6.211879	5.5716595
LINC02712	2.9527705	2.8119915	3.367397	3.0836955	2.8242805	2.718944	2.783929	2.777083	2.649381	2.695625	2.837926	2.582174
LINC02716	4.054288	4.56225	4.065094	4.058416	3.927732	3.863363	3.997306	3.973031	3.650033	3.431184	3.753504	3.245965
LINC02724	3.493954	4.055737	3.585477	3.361722	3.31019	4.059921	3.483957	3.565981	3.599764	3.447874	3.360276	3.25589
LINC02728	3.234254	3.520012	4.041323	3.571122	3.614769	3.64123	3.950562	3.546751	3.634399	3.781147	4.054598	3.574065
LINC02731	4.313899	4.249303	4.328272	4.320701	4.50222	4.256427	4.336669	4.345979	4.314059	3.951222	4.626006	4.275561
LINC02743	3.543732	3.559839	3.190363	3.247232	3.161328	3.366518	3.194589	2.871369	3.242362	3.229692	3.381429	3.032562
LINC02749	3.614649	3.587992	3.606483	3.427572	3.6953	3.406929	3.614649	3.735124	3.592514	3.486338	4.051261	3.565093
LINC02753	4.319489	4.500525	4.413897	4.063353	4.38585	4.10922	4.38272	4.483954	3.83242	3.914474	3.908675	3.978757
LINC02757	3.353469	2.998584	3.055824	3.317127	3.258273	3.182643	3.266778	3.614157	3.256557	2.846115	3.028774	3.29759
LINC02762	5.891467	6.096272	5.837684	5.948818	5.759661	5.527034	5.690825	5.685322	5.675738	5.70154	5.808451	5.417094
LINC02763	2.865012	2.709139	2.549788	2.614122	2.729806	2.974614	2.681548	2.611889	2.544056	2.425762	2.628113	2.382359
LINC02790	4.674925	4.719325	4.709613	4.533283	5.367036	5.068923	4.91161	5.243194	4.823384	4.949423	5.164207	4.962704
LINC02796	2.682915	2.819312	2.840288	2.762558	2.656382	2.511835	2.751388	2.648269	2.769156	2.793817	2.624081	2.659885
LINC02800	3.246602	3.031402	3.442989	3.223319	3.10787	3.012406	3.171166	3.265178	3.082315	3.147623	2.96704	2.82187
LINC02806	4.303401	3.8167265	4.5709155	4.284145	4.3262305	5.3096145	5.691531	4.347507	5.7480525	7.39796	7.4207305	7.3889685
LINC02825	3.416949	3.217618	3.099683	3.193263	3.612038	3.61072	3.852753	3.63957	3.729175	3.491118	3.676057	3.561363
LINC02837	4.862703	4.66929	4.677269	4.809833	4.867719	4.979399	4.753145	5.000705	4.574637	4.557676	4.756094	4.464453
LINC02842	2.894284	2.633752	2.817293	2.812623	2.850599	2.711069	2.923604	2.839022	2.75989	2.749963	2.811267	2.678009
LINC02843	4.587031	4.498741	4.388073	4.725386	4.470469	4.585642	4.495875	4.687601	4.417501	4.300264	4.473155	4.333562

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
LINC02850	2.392006	2.308853	2.395126	2.342942	2.219466	2.570429	2.339519	2.334501	2.353833	2.576741	2.544284	2.328279
LINC02853	4.68886	4.716018	4.859543	4.419093	4.833755	5.151667	4.696704	4.798908	4.617144	4.282791	4.76466	4.306784
LLCFC1	3.593802	3.787058	3.675887	3.5952305	3.674538	3.5282835	3.6348025	3.670677	3.587053	3.369442	3.5500405	3.359253
LNCAROD	2.386553	3.067263	2.61068	3.16704	2.876494	2.525204	2.370146	2.690851	2.626226	2.776955	2.663173	2.430985
LNCOC1	3.329475	3.395643	3.242291	3.605838	3.529459	3.872485	3.222266	3.468464	3.475256	3.208611	3.946	3.120943
LOC100130449	2.955087	3.240224	2.808773	3.092931	2.88256	3.123753	3.068812	3.161274	3.174422	2.980773	3.297467	3.195163
LOC100996506	5.495647	5.549143	5.586115	5.677188	5.776602	5.798742	5.648357	5.673542	5.524553	5.601708	5.55723	5.57473
LOC100996756	4.308207	5.114387	4.844129	4.996549	5.451411	5.107492	5.634752	5.069105	4.532683	7.360697	4.803759	6.519633
LOC101927044	4.747516	4.416283	4.706149	4.444623	4.316257	4.409875	4.380697	4.329877	4.679006	3.802634	4.559272	4.050235
LOC101927093	3.721581	4.159206	3.984453	4.55224	4.424029	4.446874	4.370912	4.3515	3.881267	3.738501	4.369106	4.329384
LOC101927131	4.062539	4.108108	3.931222	4.347416	3.996137	3.615838	3.825263	4.063167	3.885919	3.835346	4.146928	4.21104
LOC101927552	4.567061	4.682123	4.246302	4.495628	4.068449	4.159956	4.158297	4.256776	4.290715	4.250373	4.195895	3.865952
LOC101927608	5.169645	5.858975	5.58943	5.487105	5.528499	5.350806	5.553276	5.427588	5.510919	5.589979	5.866311	5.40202
LOC101927950	4.940605	5.096846	5.1335	4.968946	5.066249	5.010438	4.687218	5.091253	4.946198	4.914466	5.289727	4.854732
LOC101927972	2.576741	2.620141	2.679911	2.879457	2.44371	2.353864	2.562501	2.546438	2.441259	2.444636	2.634079	2.442936
LOC101928230	5.163897	5.528877	5.312056	5.486433	5.686265	4.999836	5.235747	5.775807	5.492417	5.316444	5.46617	5.478889
LOC101928401	2.835315	3.000295	2.929432	2.898818	3.019209	2.859426	2.787815	2.970765	2.81679	2.819494	3.041026	2.772065
LOC101928844	5.32254	5.896997	5.404714	5.752637	5.90889	5.783782	5.989892	5.778811	5.704625	5.661249	5.839679	5.636506
LOC101928881	6.177118	6.3332	6.423942	6.148969	6.1688	6.250435	6.277343	6.207217	6.295277	5.854631	6.210294	6.024953
LOC101928963	4.975679	4.753745	4.35984	4.557501	5.266937	3.841139	5.277948	5.101459	4.892588	4.772871	4.330666	5.14397
LOC101929122	4.04945	3.524526	4.680755	3.873289	3.814498	3.536617	3.541186	3.566737	5.212835	4.515297	3.546037	3.8638
LOC101929538	4.169804	4.110551	4.210576	4.220091	4.309645	4.248933	4.429008	4.41488	4.263676	4.292526	4.145133	4.228309
LOC102723757	4.8420005	5.1216155	4.8093985	4.9409815	4.941383	5.04677	4.9412815	5.0575665	4.8847175	4.6609125	5.046794	4.7067805
LOC114224	5.088588	3.642753	4.869255	4.126322	4.895771	4.311979	4.740117	4.732996	4.381183	7.29375	6.12082	6.949037
LOC152048	5.480406	5.331831	5.240091	5.420905	5.915806	6.007491	5.817115	5.904758	6.271725	5.714457	7.15128	5.327855
LOC285097	2.712777	2.515827	2.7252325	2.617206	2.566791	2.5659775	2.625553	2.621097	2.5473875	3.360811	2.6589915	3.302296
LOC400627	5.538897	5.574436	5.519465	5.428651	5.943907	5.399164	5.539721	5.579785	5.513177	5.341057	5.543264	5.313354
LOC400710	3.036967	3.754077	3.453749	3.112085	3.065927	2.995762	2.834221	2.765078	2.938113	3.008047	3.3323	2.823889
LOC401261	5.1880435	5.1376445	4.915442	4.2844935	4.728304	4.3719255	4.690511	4.835634	4.7236925	5.212557	4.377255	5.7140235
LOC91370	5.28616	5.091885	5.717885	5.281012	5.124815	5.495736	5.464905	5.075115	7.346793	4.934447	4.971005	4.765863

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
LOC93429	4.51647	4.324394	4.14516	4.154675	4.793833	4.376141	4.112571	4.618217	4.070497	3.844464	4.637151	3.819786
LRATD1	3.817083	4.805782	3.822716	4.22855	4.537818	5.647152	5.32454	4.675356	3.567247	5.283363	4.230199	5.171677
LRATD2	4.7822725	4.848105	5.039893	5.0080005	7.806175	7.542562	7.3789795	8.0118165	8.1557355	6.80354	7.3501655	6.7768285
LRIG2-DT	2.692607	2.593842	2.46435	2.789728	2.795591	2.512169	2.696208	2.869986	2.851963	2.874722	2.910969	3.058097
LRMDA	6.028139	5.477151	6.033776	6.145769	5.317548	4.916349	4.944263	5.397242	5.896834	4.769999	5.319467	4.944263
LRRC52-AS1	4.325316	4.272936	4.518509	4.331532	4.368221	4.278986	4.284385	4.242613	4.293747	4.069182	4.23139	4.175892
LRRC77P	3.0103515	3.082988	3.166899	3.002476	3.2087155	3.0354255	3.0642175	3.0874475	2.9043915	3.174786	3.1980805	3.27759
LRRC8C-DT	3.545999	3.516318	3.523718	3.468686	3.488388	3.180533	3.65236	3.3253	3.40811	4.439055	3.800205	3.603997
LSP1P4	5.608246	5.850322	5.92846	5.213988	5.037842	4.121424	4.713829	4.996285	5.255489	5.648588	5.401662	5.719065
LTO1	5.720712	5.0837065	5.134533	5.854749	5.9001945	5.595333	6.1136075	5.93336	5.6243655	5.5806685	6.280439	5.8440575
LUARIS	3.763375	4.162915	3.964061	4.23259	3.97923	4.492454	4.063933	4.016675	4.216736	4.012753	3.928489	3.996165
LY6E-DT	5.168993	5.520717	5.281348	5.271925	5.116028	5.202311	5.146369	5.056864	4.678791	5.202417	5.203392	5.096261
LYRM4-AS1	6.036655	5.61806	5.788346	6.132531	6.90819	7.719233	6.859398	7.086771	5.719964	5.517972	6.652022	5.938685
MAB21L4	3.873612	4.657708	4.308938	4.333526	4.52519	4.414226	4.656378	4.606134	4.511995	4.377004	4.48637	4.167619
MACO1	6.7812725	6.7983105	7.29403	7.016594	7.1270925	7.2800775	6.7846425	7.035907	7.467128	6.8143195	7.402378	6.372928
MAFG-DT	6.240368	6.259185	6.192548	6.432619	6.111479	6.407821	6.229425	6.277864	6.511437	6.266386	6.263762	6.05139
MAN1B1-DT	7.24895	7.369917	7.428947	7.335328	7.75009	7.560679	7.473699	7.585362	7.491816	7.832478	7.255558	8.226335
MAP11	6.06429	5.90889	6.127561	5.950422	6.584356	6.282313	6.414853	6.690523	6.058889	6.383338	6.269903	6.38514
MAP3K2-DT	5.671128	5.609002	4.490154	3.929701	6.474238	4.788467	5.930274	6.504322	6.043892	5.690627	6.403934	4.088297
MAP3K20	8.841267	9.105838	8.777046	9.095803	8.106212	9.119471	7.812544	8.237604	7.816748	7.673014	7.348731	7.211732
MAP3K20-AS1	2.717692	2.721471	2.825581	2.839668	3.226495	3.126872	2.795173	3.439236	2.837866	2.568356	2.901961	2.859167
MAP3K21	3.798658	3.700622	4.039915	3.76662	3.907919	5.62224	5.467982	3.804609	5.927866	4.679599	5.568325	4.620685
MAP4K3-DT	4.4386335	5.61682	5.452084	5.1899335	6.16521	5.4265235	5.804573	6.5416045	6.6953985	6.376733	4.2351915	6.6797335
MARF1	6.5840545	6.55538	6.440242	6.1796835	6.4992415	5.918618	6.255811	6.283094	6.4542455	6.1433445	6.4592825	5.886403
MCPH1-AS1	4.25801	4.305842	4.472007	4.217323	4.344289	4.258682	4.384657	4.517835	4.599174	4.299261	4.794784	4.398951
MEAK7	6.690925	6.428928	6.528154	6.477769	5.769831	5.873896	5.531112	6.022178	5.452898	5.410047	5.925929	5.507962
MESD	5.693279	5.418097	5.793506	5.952098	5.823005	6.539612	6.166578	5.721531	6.582924	6.053254	6.173192	5.943965
METTL27	5.771486	5.938596	6.139077	5.739894	6.189821	6.692322	6.402971	6.401874	6.459507	5.791868	7.115475	6.208206
MFSD4A-AS1	4.256868	3.914813	4.113906	3.688594	4.183912	4.041393	4.068599	4.039242	3.858228	3.862384	4.14631	4.01514
MICOS10	8.425365	7.9273905	8.205467	8.5054245	8.575197	8.8565035	8.5254305	8.3719235	8.7169255	7.9778105	8.6192195	7.89096

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
MICOS10P1	3.972048	3.840611	4.288576	4.058417	4.469716	4.141953	4.583979	4.736864	4.025299	7.051045	5.064982	7.288421
MICOS13	10.20238	10.17123	9.373951	10.04068	10.07963	10.01385	9.944024	10.0478	9.948206	9.636491	10.05005	9.523516
MINAR1	4.518548	4.092653	3.817993	4.058417	5.315597	4.695557	2.762558	5.469794	3.89813	3.431244	4.062263	4.143204
MINDY1	6.7611885	6.779764	6.9456465	6.9910385	7.140282	6.771573	7.000506	7.044127	6.574158	7.958861	6.9949645	8.2913095
MINDY2	8.0186355	8.0796455	8.1977315	7.7128345	5.818124	6.657408	6.4875635	5.965466	7.216002	6.2322575	5.6653315	6.082019
MINDY3	7.888123	7.55253	7.750981	7.6276725	8.257911	8.184681	8.181735	8.2227295	7.8592035	7.2094205	8.1806315	7.317043
MIR1-1HG-AS1	5.728324	6.037623	5.9297925	5.766978	5.521777	5.682469	5.5902985	5.7118425	5.66074	5.3949845	5.8588875	5.954046
MIR1915HG	5.366893	5.375112	5.550174	5.428198	5.511224	4.4773	4.480538	5.421043	5.319099	5.206783	4.966499	4.644618
MIR29B2CHG	4.349302	4.443101	4.356006	3.373475	3.472322	3.22049	3.358083	3.218045	3.285424	5.910333	6.448687	5.593811
MIR3936HG	6.164768	6.29971	6.180088	6.263535	6.436857	6.473838	6.14428	6.522913	6.437819	6.362556	6.639431	6.351098
MIR4453HG	6.95014	6.210176	6.345027	6.480252	6.333332	5.90436	6.587788	6.057483	6.492849	6.834795	6.819244	5.965356
MIR570HG	4.748785	5.027398	5.311701	4.618884	3.851175	4.17217	4.057994	3.890501	4.166395	3.757093	3.918419	4.80002
MIR924HG	3.66186	3.224836	3.181922	3.395413	3.52302	3.25378	4.400193	3.607602	3.45811	3.076415	3.414153	2.954479
MMP24OS	8.5997865	8.7921555	8.62362	8.9084075	7.6734815	6.796015	7.2122365	7.4701935	6.614769	7.116234	6.442065	6.4440645
MMUT	8.4290925	8.3816745	8.334463	8.5370055	8.472593	8.576077	8.4458845	8.349654	9.1193115	8.481941	8.2792285	8.6194985
MOSMO	7.338823	6.9471425	7.353502	7.0483295	6.873347	7.5207335	7.286125	7.161971	6.934574	7.1670255	7.390098	7.4065945
MPIG6B	4.492499	5.266991	4.385949	4.524859	4.349251	4.392926	4.343102	4.294264	4.160606	4.296257	4.412929	4.344037
MRPL20-AS1	7.555706	7.382446	7.406607	7.680783	7.61552	8.460277	7.53621	7.551784	7.922618	7.825299	8.425357	8.010454
MRTFA	5.63181	6.174962	5.258162	5.405419	5.267536	5.387993	5.331406	5.644738	4.98034	5.11542	5.121676	4.933718
MRTFA-AS1	4.727395	4.786397	4.946824	4.629055	4.763193	4.240134	4.559413	4.581008	4.431467	4.496957	4.562757	4.584914
MRTFB	3.595369	3.755686	3.479316	3.4831965	3.385345	3.3814165	3.476014	3.3403415	3.6016955	3.4097995	3.3846005	3.4821995
MTLN	8.058062	8.32644	7.972523	8.231508	8.378444	9.144447	8.674722	8.299053	7.750204	7.8832	8.934134	8.195404
MTREX	8.58878	8.333554	8.265424	8.426963	8.753183	9.264894	9.328861	8.902615	8.821657	8.534901	8.061146	8.686184
MTSS2	4.958797	5.439145	5.007649	4.937682	5.074186	5.150965	5.069005	4.948333	4.354124	4.624828	5.000705	4.564129
MUCL3	3.502283	3.5268715	3.806517	3.707121	3.7576855	3.6339965	3.9119705	3.9714375	3.6657055	3.739463	3.6640895	3.5711315
MYMX	4.790768	5.051419	4.926125	4.89637	5.026206	4.830278	5.028983	4.900831	5.001706	4.88161	4.88314	4.53532
MYORG	4.8264595	4.777066	5.008543	4.8557545	4.411679	4.609915	4.340395	4.3322895	4.6121955	4.5103055	4.5103545	4.6072045
MYRF-AS1	5.566016	5.880182	5.6211145	5.789294	5.5102275	5.4303895	5.398464	5.575649	5.5237995	5.3058535	5.571572	5.2736025
NAA80	6.60427	6.760499	6.663049	6.810469	6.282903	6.376672	6.529032	6.117206	6.044743	6.027845	6.153689	6.209817
NACA4P	10.43488	10.32455	10.50218	10.42677	10.6254	10.56693	10.66608	10.68355	10.30291	10.86224	10.38515	10.78331

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
NBDY	7.918228	7.429289	7.119675	7.8796915	7.638335	7.7040035	8.3283325	7.705066	8.9433185	8.2724455	7.9054555	8.371092
NCBP2AS2	8.009162	7.839842	7.834515	8.012904	8.881705	9.340574	9.073793	8.760471	8.283731	8.201618	9.404771	8.578849
NCK1-DT	4.77983	4.996474	5.010612	5.299937	6.481754	6.84602	7.077067	6.308158	6.075695	6.189861	6.027705	5.827267
NCKAP5-AS1	3.466823	3.781822	3.817842	3.957026	3.935827	3.817842	3.565393	3.769026	3.977229	3.312214	3.451787	3.603699
NDUFA6-DT	4.877344	5.043738	4.897805	5.056033	4.904818	4.735463	4.711315	4.894979	4.814506	4.688212	5.104879	4.723617
NECTIN3-AS1	4.691195	4.465189	4.213078	4.220484	3.728057	3.884085	4.151685	3.804602	4.355263	4.592725	4.165088	4.36639
NEXMIF	2.948021	3.311113	3.022417	3.481909	3.234576	2.995632	3.244827	3.354917	3.148132	3.179193	3.381429	3.219593
NIBAN1	6.8269265	6.1026975	7.911751	7.7759395	3.8751715	5.912663	4.1519945	3.4212895	9.444058	6.945837	9.4001675	7.6663395
NIBAN2	8.710675	9.144162	8.3350245	8.575485	7.09724	7.8341995	7.244022	7.0145785	8.4966825	7.0488595	7.7664475	6.708568
NIBAN3	4.559819	4.646632	4.59361	4.637839	4.669396	4.623731	4.692297	4.683732	4.704222	4.623079	4.923685	4.348509
NIPSNAP2	9.89056	10.01165	10.03675	10.18172	10.26575	7.928761	10.06245	10.12514	9.893324	9.971784	8.637058	9.623432
NKAIN3-IT1	2.4008615	2.4084775	2.528729	2.2374255	2.519804	2.4326475	2.4392895	2.425251	2.7981735	5.697978	2.390053	2.7934105
NKAPD1	6.6438875	6.290776	6.4644635	6.727409	7.2686945	7.4358705	7.2287945	7.275502	7.1817635	6.564802	7.503802	6.9580695
NOP53	4.008723	3.929628	3.985061	3.36355	3.612243	3.412203	3.747713	3.865321	3.612418	3.567075	3.723826	3.737625
NOTCH2NLA	11.04409	9.999601	11.05379	9.599492	8.635626	7.98967	9.01524	8.493374	9.652156	11.07766	8.343014	10.99634
NSD2	7.8155125	7.9090715	7.6561795	7.5919085	6.1068165	5.117083	6.731758	5.929249	6.772708	6.27578	6.027419	6.0756845
NSD3	5.732419	5.857536	6.167174	6.718379	6.325898	6.409162	6.565263	6.176091	7.250859	6.750998	6.528667	6.76231
NSG2	4.907115	4.952996	4.024388	4.377004	4.258374	3.911713	4.418197	4.006258	4.134125	3.961799	4.011469	4.069106
NSMCE1-DT	4.4224265	4.5221525	4.228735	4.362738	4.355161	4.4254235	4.3696455	4.3254995	4.391899	4.209354	4.279723	4.389695
NSMCE3	6.299743	6.92857	7.519189	7.177878	9.107577	9.078183	10.1285	9.029098	7.919375	9.715637	8.840435	10.05115
NUP42	5.8963925	5.58033	6.10273	5.6444505	6.683903	6.7176295	6.72608	6.7557665	6.307454	7.046091	6.7440455	7.0007645
NUP50-DT	5.287127	5.240589	5.541856	5.316853	6.122283	5.689187	5.783545	5.771418	6.304329	5.299818	5.801076	5.52826
OBSCN-AS1	2.7697355	2.9231625	2.923077	2.8990055	2.9160015	2.7299545	2.810481	2.880555	3.2757075	2.7091965	2.7049495	2.778855
ODAPH	2.93968	2.950419	2.785839	2.8205	2.812311	3.070303	2.915606	2.869382	3.244307	2.864362	3.023454	2.81934
ODR4	6.956354	6.621216	7.0120545	6.517636	7.5946465	7.8664325	7.2025235	7.551936	7.360636	7.380232	6.480102	7.471159
OGA	8.605385	7.743969	8.281487	7.006459	7.350788	6.618848	7.333339	7.506338	7.321927	8.84517	8.410161	8.502532
OSER1-DT	4.634065	5.173417	4.601539	5.174839	4.645178	4.900952	4.465881	4.575745	5.286695	4.369002	5.558295	5.152543
OTULINL	3.511889	3.661872	3.261957	3.352308	3.679479	3.377963	3.240195	3.608444	3.56634	3.307786	3.300179	3.223581
PACC1	5.0753855	4.846315	4.8585615	5.2889195	5.6218385	6.2412255	5.865925	5.7270485	6.1785225	5.8977325	6.598935	5.7968985
PACRG-AS3	3.269119	3.839065	3.337675	3.618109	3.265178	3.344795	3.447014	3.639222	3.202125	3.25155	3.061515	3.128463

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
PANTR1	4.23709	4.039458	4.282378	4.440374	4.900822	4.50997	5.302859	5.178199	4.634065	4.920104	4.601912	6.511168
PARTICL	4.602038	5.026537	4.799213	4.988505	4.926413	5.327731	5.032281	5.131629	5.297879	4.568753	5.461427	4.591568
PAXX	6.139065	6.605978	6.146961	6.53243	6.791176	5.651354	6.863482	6.704438	6.476172	6.52132	6.341074	6.258158
PCARE	4.697737	4.645171	4.764466	5.292576	5.212212	4.780366	4.726696	4.809987	4.649384	4.492054	4.680775	4.566519
PCLAF	9.690216	9.5314615	9.240311	9.6199665	9.789957	5.511812	10.1416595	9.458048	7.5712145	9.401827	7.4184505	9.217214
PHBP19	4.483266	4.367117	3.884459	4.533283	4.813903	5.635733	4.854555	4.878594	4.174161	6.046211	4.955517	6.505175
PHETA1	6.248597	6.623759	6.600127	6.481123	6.55525	6.977364	6.541216	6.414546	6.383333	6.726784	6.845448	6.772016
PHETA2	8.144846	8.323544	8.194443	7.80339	7.493355	7.659356	7.767056	7.328133	6.999848	7.14856	7.077535	7.13406
PICART1	4.2196195	4.0960755	4.4572885	4.2327995	4.129005	4.3062785	4.077306	4.243259	4.3228735	3.658465	4.161093	3.872318
PIMREG	8.318562	8.312916	7.853398	8.34216	8.236412	6.421857	8.861148	8.048111	6.166317	8.109943	7.144545	7.593078
PIP4P1	7.772588	7.943551	8.039498	7.663052	8.474793	8.288186	8.234369	8.446659	9.589046	8.440592	8.705631	8.241019
PIP4P2	8.658508	7.913819	7.792526	8.479752	7.203034	6.623343	7.769582	7.497523	8.198909	7.555005	8.363933	7.572426
PJVK	4.595041	4.474168	5.051283	4.782033	4.903426	4.20004	5.114229	5.087244	6.674486	6.345034	5.807824	6.296124
PLAAT1	3.557661	3.4887345	3.716069	3.455834	4.477853	3.867262	8.508555	4.784988	3.595968	7.47543	4.195745	8.083089
PLAAT2	4.519634	4.523565	4.630139	4.433732	4.577027	4.46522	4.469577	4.380419	4.370992	4.297602	4.698647	4.27556
PLAAT3	5.459082	5.228421	5.8957845	6.1977575	6.4781145	6.563759	7.3068015	6.6871455	8.030659	5.4384935	6.6266275	6.373241
PLAAT4	4.46189	4.448012	4.657919	5.849258	6.379371	5.735212	8.389757	6.288546	8.673512	7.442201	9.452833	7.988954
PLAAT5	4.4386475	4.7785145	4.6653295	4.6241605	4.7321685	4.7708535	7.010026	4.8695385	4.5446845	4.5618805	4.735302	5.542559
PLPBP	7.235329	7.190054	7.125536	6.757078	7.200746	7.903352	8.132599	7.044779	7.860761	6.705053	7.344543	5.955767
PMS2P2	5.60114	5.633192	5.463975	5.535511	5.446189	6.31288	5.47321	5.364348	5.840152	5.596959	6.162951	5.740206
PNMA8A	6.836431	7.701644	4.82909	5.599962	7.759342	3.796048	6.571269	7.562242	8.770842	8.157578	3.590757	5.849163
PNMA8B	4.825747	5.261272	5.261955	5.475913	5.226499	5.075534	4.874813	5.279997	5.053652	5.069726	5.171548	5.131171
POGLUT2	8.11635	7.620137	7.604342	8.488204	8.396768	8.116343	8.836066	8.386456	8.13137	8.521614	8.447417	8.226055
POGLUT3	8.867683	9.295102	9.357368	9.468284	8.878323	7.903192	8.522579	8.878117	8.286309	8.168512	6.924407	8.833236
PPDPFL	2.978478	3.008563	3.108588	3.34051	3.13517	3.031087	3.090517	3.078764	3.155248	2.932844	3.258258	3.034546
PPP1R2C	4.515511	4.693497	4.113842	4.999647	4.210091	4.191238	4.325682	4.293279	4.105515	3.692111	4.163005	3.669941
PPP4R3C	2.360732	2.541579	2.707963	2.424484	2.480946	2.41712	2.395859	2.550965	2.467521	2.480903	2.318158	2.395859
PRAG1	7.656971	8.449013	7.494902	8.594013	7.901203	7.833943	6.758221	8.111135	8.463528	7.540159	7.59743	8.075723
PRDM16-DT	4.465819	4.544402	4.2215575	4.394635	4.144056	3.831565	3.8591915	4.093389	3.9664605	3.645666	4.0547705	3.6796025
PRKN	2.939518	2.977816	2.844769	2.92821	2.635691	2.65756	2.779133	2.682628	3.007404	2.670071	2.838709	2.69081

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
PRORP	6.6435585	6.669114	6.6428055	6.5820195	7.0159535	7.2742825	7.173187	7.037327	6.8744595	7.0617315	7.144949	7.0390065
PRXL2A	4.151885	3.720205	4.284266	4.400909	9.629508	6.410491	8.934421	9.481631	9.402252	9.084153	7.111277	9.916393
PRXL2B	7.389889	6.813804	7.386741	7.300736	6.633235	7.328346	7.560441	6.538743	6.394675	7.457281	7.213959	7.569239
PRXL2C	8.66326	8.956166	9.46998	8.193448	9.557999	7.682129	7.161615	9.396914	8.967915	8.160452	7.306045	7.350201
PTMAP11	2.714357	2.929669	3.377223	2.640603	2.757305	2.724097	2.561603	2.469828	2.60906	2.664779	2.694614	2.729393
PURPL	2.31356	2.315092	2.057387	2.276469	6.583066	6.412125	7.359617	6.999414	2.409624	7.698616	6.500255	8.128869
PWWP3A	6.872849	6.691429	7.0409795	6.6052555	7.384053	6.444708	6.8586555	7.458022	5.907709	7.2525685	7.424075	7.8141015
PWWP3B	2.659884	2.772597	2.703761	3.017747	2.922833	2.953451	2.959257	2.826107	6.743306	2.572485	2.953451	2.55856
PYCR3	6.160711	6.066786	6.31073	6.506866	6.542782	6.747071	6.94703	6.364261	5.628965	6.38514	6.301225	6.103683
RAB30-DT	5.097964	4.82954	5.215142	4.8753215	5.5801205	5.3306425	6.0540545	5.6415685	4.378249	5.6786385	5.185117	5.758989
RADX	3.710781	3.609593	3.277499	4.353899	6.5482955	4.9749335	6.828483	6.6192095	4.3784455	7.7541045	4.619513	7.4626825
RAMAC	8.1929755	8.5234655	8.5472215	8.872784	8.784042	9.430311	9.2923355	8.7927935	9.2774795	8.603468	9.4130135	8.533177
RB1-DT	3.449062	3.5035285	3.5157965	3.5266815	4.015396	3.48445	3.682771	3.7196185	3.9175755	3.69247	3.620632	3.453814
RBIS	5.550929	5.046018	5.712861	5.459032	5.562331	4.766922	6.20379	5.410808	5.803632	5.369502	5.959902	5.500365
RDM1P5	3.699821	3.951755	3.886584	4.337951	3.647694	3.886584	3.994954	4.261477	3.938648	3.708971	4.126259	4.174869
RELCH	7.7565075	7.1193555	7.342938	7.7306955	7.724097	7.832085	7.666395	7.775135	8.0467275	7.540473	7.846494	7.465067
RESF1	6.2368525	5.7634855	6.304572	5.6120975	6.4431605	7.4615475	7.9334275	6.4345315	6.5310865	6.6768615	5.6186455	7.3106815
RETREG1	4.0874105	4.066451	3.942211	4.156535	5.760042	6.5822385	4.0011025	5.82835	6.98608	4.2513855	4.323542	4.1330735
RETREG2	8.0234955	8.012452	8.406722	8.686593	8.390594	7.97628	7.821303	8.385461	8.970147	8.021621	8.56582	8.013931
RETREG3	8.783367	8.662893	8.831306	9.074585	8.079927	8.718912	7.92975	7.833943	8.569997	8.313533	8.495391	8.553951
REX1BD	7.5118405	7.594134	7.398298	8.0357545	8.018852	7.4746465	8.264488	7.9823135	7.9949325	8.265661	8.39285	8.693168
REXO5	6.173636	6.0873315	5.8872405	6.3275065	6.0553365	4.80176	6.2289975	5.8391935	5.182411	5.693036	5.4549765	5.341182
RHEX	6.576427	6.38696	6.622156	6.383666	6.35058	6.18509	6.1402	6.386675	6.42188	6.262154	6.360875	6.361411
RIOX1	7.420616	7.166898	7.982661	7.742401	8.121212	8.544342	8.856732	7.919855	7.841301	8.063843	8.388048	8.094834
RIOX2	7.203546	7.140588	7.507497	7.198639	8.4005275	9.207838	9.4330445	8.2404365	7.2588295	8.5320975	8.510196	9.087124
RIPOR1	7.805844	8.436277	8.150423	8.189458	7.593639	8.075438	7.121368	7.341142	7.675725	7.753203	8.390239	7.843785
RIPOR2	4.708971	3.976902	4.8728805	4.5692465	5.63207	4.296253	6.914749	5.703991	3.8815525	7.915156	3.8443725	7.245541
RIPOR3	5.7594065	5.780068	5.0038205	5.1231585	4.3697445	4.3042945	4.2958375	4.6199305	6.2976985	4.499422	4.287738	4.173578
RMC1	5.36178	5.480026	5.228796	5.058651	5.247808	4.770649	5.240757	5.287636	4.837332	5.077625	4.914392	5.194341
RNA45SN5	6.298173	6.4622785	6.5010845	7.7742185	8.2490095	8.8693215	9.0481185	8.0513275	8.0462345	8.6943085	9.32257	9.090748

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
RNF227	5.935479	6.40782	6.667295	6.79014	6.656174	6.224036	7.073967	6.65801	6.786657	6.809014	7.206199	6.839679
RO60	8.502542	7.941175	8.302621	8.35163	8.816175	9.373305	8.944013	8.842598	8.535814	8.671282	7.733009	8.894268
RSKR	4.2832995	3.3139885	4.4596175	3.686951	3.984959	4.139256	4.324228	3.9432235	3.8622345	5.921707	4.66365	6.051282
RTF2	8.962688	8.984636	9.548973	10.01172	9.407254	9.200649	9.153141	9.377556	9.433411	8.833862	9.326675	8.745394
RTL10	6.955331	7.185596	7.296475	6.890037	7.0632505	7.5820065	6.8984775	7.058082	6.644589	6.6634795	7.2139575	6.783768
RTL3	4.357235	4.552331	4.726367	5.671961	4.762367	4.761896	4.846428	5.036891	5.445907	4.797273	4.620368	4.580637
RTL5	6.364861	6.171004	6.274313	6.915576	6.467603	5.500496	5.66704	6.40835	6.628167	6.985873	6.187452	6.449892
RTL6	9.084894	8.714847	9.252129	9.084102	8.883468	9.048142	9.453933	8.838019	9.428417	9.307668	9.419785	9.201222
RTL8A	8.5527	8.946663	8.526826	8.457317	8.071686	8.138039	8.611341	7.902375	8.091263	8.109875	8.027613	8.057541
RTL8C	11.28134	11.52019	11.38151	11.20777	10.33102	10.46408	10.51682	10.23093	10.12074	10.81248	9.952415	10.41943
RTL9	4.425676	4.467334	4.478677	4.715702	5.01634	4.784817	4.603109	4.805111	5.123194	4.771987	4.938424	4.747931
RTRAF	11.57443	11.58306	11.44113	11.6285	11.91137	11.95852	11.78512	11.87068	11.85756	11.69707	11.86981	11.64216
RXYLT1	7.78297	7.336715	7.6529535	7.851607	8.355668	9.246895	9.1848015	8.3098165	8.017672	7.6600175	8.395808	7.949867
SCAT1	3.908298	3.273892	3.287107	3.432485	3.49499	3.565093	3.428481	3.651304	3.577611	3.379022	3.738518	3.444721
SEM1	10.13361	9.955166	9.802124	10.15116	10.63997	10.16619	10.58221	10.58662	9.732893	10.31992	9.873748	10.06728
SEPTIN1	4.449971	6.077157	5.35305	4.902283	4.436376	4.532335	4.518073	4.439477	4.426866	4.279821	4.554113	4.025698
SEPTIN10	10.7567985	10.7816645	10.92966	10.1937955	9.1752645	8.5821095	8.8210735	9.06071	9.6004015	8.02504	8.3690545	8.0298215
SEPTIN11	9.0987305	9.64267	9.8792815	9.917462	7.9132625	7.634225	8.1246945	8.011642	9.1700995	8.501944	7.0076625	8.1204535
SEPTIN12	5.902153	6.205295	6.092729	5.916022	6.150173	6.451565	5.88319	5.951824	6.022907	5.882003	6.005769	5.714566
SEPTIN2	8.972233	8.3601115	8.357419	7.7362875	8.0316465	7.3916955	7.921833	8.114915	7.203625	7.8312195	7.583302	7.780147
SEPTIN3	5.338173	5.560827	5.428554	5.496603	5.498104	5.391878	5.613324	5.651001	5.529758	5.830694	5.613324	5.618458
SEPTIN4	3.8845185	4.221986	4.2859535	4.1250105	4.209459	3.8425375	3.910777	4.0040065	4.1106545	3.9736055	4.012449	3.879713
SEPTIN6	6.404484	6.433123	6.327279	6.10726	6.223043	5.946415	6.571082	5.818049	5.885699	6.765166	5.972033	6.430079
SEPTIN7	5.9135115	4.9373855	6.041422	5.996499	5.255813	4.6840025	5.7136345	5.414267	5.3200315	5.2779975	5.064272	5.1318105
SEPTIN7-AS1	4.638622	4.591245	4.678803	4.91074	5.369632	5.051625	5.00808	5.228848	5.023131	4.388267	5.059735	4.461926
SEPTIN7P2	5.0371855	5.1705565	5.771159	5.291769	5.133468	4.674026	5.5805145	5.007877	5.94566	5.53159	5.241625	5.4836715
SEPTIN7P9	4.440568	4.032007	4.535626	4.139068	4.607869	4.252176	4.855824	4.774824	5.028258	4.729049	4.61054	4.483172
SEPTIN8	7.442228	7.397203	7.247458	7.253701	7.268385	7.778368	9.085379	7.109393	7.413664	7.612909	7.466584	7.408876
SEPTIN9	7.201484	8.1679255	6.9385405	7.119603	6.581735	6.730907	6.4276515	6.587088	6.3703945	6.94813	6.1777195	6.52032
SHFL	8.37164	7.779348	8.364928	7.975607	7.862687	5.916872	7.607436	7.80209	9.455524	8.115323	8.825202	7.804515

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
SHISAL1	6.6436225	5.786676	6.7824195	5.8102515	5.370832	8.205415	8.3895055	5.2563225	6.8077315	7.150742	8.6599175	8.200254
SHISAL2A	3.946943	4.4617425	4.3758055	4.5790645	4.190334	4.1412105	4.0478185	4.115253	4.202012	3.7558775	4.319049	3.765248
SHLD1	4.4088395	4.2726515	4.2432655	4.5402555	5.148443	5.2291985	5.257441	4.9864415	4.7645845	4.3474	5.103661	4.704549
SHLD2	9.588229	9.070075	9.316974	9.372412	10.09768	9.311444	10.71607	10.00071	9.860267	9.310938	9.393747	9.328545
SHOC1	2.9407895	2.787946	2.761305	2.887974	2.94789	2.6716135	2.6737695	2.8128525	2.9700765	3.068311	2.827491	2.8979615
SILC1	2.449486	2.563426	2.539735	2.555594	2.429462	2.664779	2.503315	2.528714	2.444928	2.587475	2.712954	2.614294
SINHCAF	7.071651	7.0478725	6.3410685	6.291643	8.617902	9.0113555	9.304954	8.473795	8.320428	8.6639325	9.3616475	9.108914
SLC25A48-AS1	4.635505	4.754301	4.695093	4.627662	4.455338	4.110456	4.763496	4.610078	4.553095	4.273735	4.696712	4.265219
SLC35E2A	4.373946	3.659593	4.221741	4.370784	4.852976	4.241055	5.014955	5.051287	4.602712	7.301852	5.545313	6.213204
SLC44A3-AS1	3.948252	4.109416	3.856462	3.931298	3.844089	3.637152	3.842558	4.004667	3.669872	3.692111	3.945102	3.895621
SLC49A3	5.3535935	5.5382475	4.8478595	5.4668525	5.3715585	4.9023205	4.9273985	5.1376255	5.3020835	4.584072	5.032203	4.7219115
SLC49A4	6.26551	5.853575	6.5195095	6.408273	6.8160955	6.8869235	7.2262045	6.733881	6.8195595	7.12809	7.2465805	6.627454
SLC66A1	6.518958	6.369412	6.939289	6.599742	7.138651	7.897762	6.853542	7.034041	7.392316	6.684162	7.656522	6.810248
SLC66A1L	5.155898	4.5729735	4.979312	5.2329005	3.8705945	3.58936	4.1326285	3.7599765	5.857981	4.318426	3.7968645	4.22009
SLC66A2	6.348884	6.3275985	6.4649015	6.463546	6.1470955	6.0508585	6.2121555	6.0532825	6.1033125	5.9304735	6.02697	6.0544735
SLC66A3	7.3237645	7.556121	7.5579905	7.3923255	5.5713515	5.4447475	5.817415	5.3972315	6.9900365	5.7775925	6.7266975	4.973026
SLC7A14-AS1	2.4696575	2.443524	2.6629985	2.362111	2.4376835	2.498852	2.5828385	2.3538125	2.4761615	2.46184	2.404468	2.4519055
SLC9A3-AS1	5.595272	7.307387	7.907661	6.769284	6.030699	6.718776	5.956489	6.093171	6.11474	7.029673	6.557501	6.972499
SMIM25	4.537162	5.068942	4.857574	4.706246	4.909191	4.608518	4.748377	4.963415	4.985838	4.291279	4.861572	4.48103
SMIM26	9.908133	9.953671	9.836312	9.855816	10.32268	10.75117	10.44238	10.2926	10.65978	10.09474	10.71425	10.24081
SMIM27	7.398814	7.3623865	7.2080565	7.346209	7.7565985	7.8451595	7.6274265	7.862041	7.6157995	7.7705535	8.1996885	7.5346015
SMIM29	7.441577	8.007072	6.945206	7.444953	6.389506	6.799863	6.330884	6.223684	7.217552	6.054546	7.462988	5.831308
SMIM30	8.60947	8.729036	8.431637	9.271948	9.054151	9.66258	8.770814	9.128647	9.031931	9.045016	9.145753	9.158169
SMIM31	3.040037	3.054447	3.011221	2.938447	2.961439	2.890062	3.162815	3.057076	3.101984	3.203746	2.90084	3.165957
SMIM32	4.505691	4.68993	4.322117	4.24006	3.895098	3.964479	4.118382	3.96236	4.169082	3.585645	3.893039	3.818293
SNHG27	3.47894	3.264094	3.588014	3.475029	4.383907	3.575812	3.606215	4.071049	3.787153	4.02948	3.722036	3.751254
SNHG28	5.237947	5.36038	5.531755	5.264108	4.836185	5.04816	4.706395	4.871688	5.878069	4.762699	5.269368	5.023554
SNHG32	10.68399	10.99286	10.88435	10.2014	10.86199	10.13731	10.53598	10.97549	12.24081	11.13713	11.56005	11.01963
SNORA17B	5.923013	6.515107	6.115953	6.176895	6.017366	5.782609	5.720978	5.953967	5.834705	5.966259	6.215872	6.07801
SNORC	4.371728	4.6474885	4.404155	4.5551665	4.5487415	4.4418265	4.63079	4.5127635	4.5862055	4.495698	4.5461265	4.5553585

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
SNTG2-AS1	3.216969	3.819151	3.719808	3.382252	2.940811	3.343734	3.260433	2.982106	3.777308	6.970192	3.49065	7.241208
SPAAR	5.397161	5.433277	5.119903	5.442202	5.220549	5.005717	4.893102	5.428384	4.770664	4.872376	5.001384	5.42503
SPART	5.7196985	5.555617	5.745535	5.899957	6.179908	5.9760525	4.6393725	6.056632	6.132203	5.489583	5.9440685	5.756815
SPART-AS1	3.09836	3.100476	2.854229	3.200883	3.528033	3.137085	2.854229	3.518257	3.381429	2.954648	3.650056	3.071999
SPATA46	4.267062	4.444536	4.263129	4.032045	4.078854	3.836699	4.043441	3.786661	3.668553	3.513173	3.779605	3.565093
SPEM2	2.51405	2.702066	2.720288	2.762821	3.078472	3.310657	2.815802	2.770432	2.877128	2.66932	2.919494	2.598283
SPINDOC	6.517494	7.361211	6.836847	6.356082	6.668882	6.631318	6.914048	6.696701	6.832884	6.851088	6.78659	7.108706
SPTY2D1OS	3.505492	3.554491	3.593945	3.5437845	3.4983065	3.5321845	3.749902	3.687896	3.1422205	3.8078595	3.4465385	3.547545
SQOR	9.299236	8.678507	9.349208	8.268656	5.485108	9.5779	5.915057	5.737264	9.720554	6.524507	9.316776	8.599918
SRARP	4.828061	5.29216	4.398899	4.799351	4.660842	4.652786	4.897997	4.56303	4.263676	4.927364	4.973969	4.538422
STIMATE	6.748191	6.590361	7.048614	7.168373	7.052123	7.601884	7.772589	7.125051	7.129914	7.107496	7.562903	7.108079
STMP1	9.704658	9.343911	9.967819	9.857723	9.649606	10.42969	9.879501	9.602448	9.924614	9.298507	9.719692	9.323508
STPG4	3.912091	4.514661	4.531127	4.734955	4.862378	4.591123	4.532888	4.970205	4.759162	4.788158	4.87485	4.727169
STRIT1	2.545109	2.391291	2.55856	2.445629	2.429348	2.641312	2.105388	2.395467	2.315092	2.602769	2.399835	2.458394
TAAR3P	2.732965	3.193287	3.274943	3.432347	3.493202	3.416298	3.457082	4.005789	3.455287	3.089437	3.247796	3.225218
TAFA1	2.939	3.062578	2.877388	3.143337	2.991312	2.880395	2.927842	3.120149	3.015676	2.97783	3.081348	3.556345
TAFA2	4.937751	4.045364	4.627734	3.568191	2.990557	2.939489	3.049432	3.027368	3.48462	3.151426	3.178098	2.926035
TAFA4	2.580261	2.552507	2.5837	2.533807	2.256238	2.389404	2.793488	2.43432	2.508107	2.302519	2.426322	2.380638
TAFA5	4.007754	3.681279	4.217754	4.245643	3.690647	4.286853	3.447014	3.515686	3.381429	5.661357	6.963509	6.787351
TASOR	7.605338	7.799809	7.828487	7.597093	8.114335	8.42727	8.216563	8.17261	8.38658	8.207632	7.291035	8.164732
TASOR2	5.6891705	5.5832715	5.70737	5.175138	5.176146	5.393306	5.89307	5.3267725	4.9492635	6.2818995	5.6929875	6.403812
TBC1D27P	5.106712	5.229233	5.131759	5.000705	4.778567	4.599616	4.701433	4.826173	4.620265	4.361335	4.785758	4.247928
TBC1D29P	4.366571	4.633584	4.246547	4.434421	4.467606	4.350461	4.2476	4.439621	4.390934	4.247869	4.446277	4.217234
TBC1D8-AS1	3.298644	3.903713	3.509807	3.447014	3.518543	3.240914	3.264513	3.359675	3.802119	3.265178	3.669648	3.116163
TBXT	6.174908	6.394192	6.371353	6.055271	6.002747	6.100927	5.928762	6.137274	6.077966	5.775497	6.233243	5.697829
TCIM	4.574637	3.702572	2.69589	2.977497	2.429348	2.463923	2.431382	2.184486	3.013421	2.833628	4.182953	2.530238
TEDC1	5.675404	5.952525	5.821609	5.81952	6.11266	5.489812	6.402641	5.671253	5.892455	6.244942	6.29466	6.273937
TEDC2	6.596599	6.360642	6.056438	6.092929	6.426902	6.149077	6.81164	6.445997	6.389976	6.173259	6.493708	6.082146
TENM3-AS1	5.246455	4.8321755	4.680989	6.0402795	6.11621	6.4089065	6.761605	6.215623	6.4439795	5.2775145	5.896271	5.935463
TENT2	5.689194	5.108189	4.975083	4.825136	4.813113	4.877084	4.852559	4.83128	4.471717	6.273441	4.590774	6.599873

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
TENT4A	8.92661	8.712225	9.430767	9.061841	8.249599	8.324929	9.086605	8.132698	8.335389	9.112161	8.977457	8.783343
TENT4B	7.972587	7.7806965	7.803597	7.9385555	8.662133	8.9298885	8.951779	8.6496865	7.851638	8.3283455	7.642148	8.0042245
TENT5A	8.368889	8.135098	8.376502	9.249866	7.65591	8.133348	7.327528	7.754931	8.060987	8.445261	7.724515	7.739708
TENT5B	5.17337	5.338117	4.718719	5.805851	6.49786	5.531631	9.562815	6.390284	5.576971	9.019344	4.741526	9.11065
TENT5C	4.0423835	4.551981	3.7077715	3.9528945	3.5329515	3.7012915	3.6401555	3.4664005	3.592643	3.555495	3.693173	3.528157
TENT5D	2.955087	2.651978	2.798524	2.762558	2.897814	2.83729	2.792738	2.762558	2.69234	2.854094	2.936116	2.566058
TEX44	5.557206	5.563834	5.37204	5.477682	5.785138	5.82452	5.529242	5.573602	5.456895	5.219328	5.830633	5.160845
TEX45	5.6549605	5.841014	5.4851255	5.5985635	5.532687	5.519426	5.467456	5.722098	5.3266655	5.0062725	5.4069175	5.1358095
TEX46	2.758806	2.817273	2.524418	2.908225	2.912282	2.983123	2.864142	3.090822	2.869383	2.962236	3.07054	3.038498
TEX47	4.246437	4.139477	4.485018	4.225687	4.256271	4.203715	4.596919	4.489881	4.322582	4.184663	4.645774	4.037359
TEX48	6.355051	6.118937	5.475049	5.590976	4.800527	4.941147	5.110913	5.067203	5.059181	5.133667	5.044971	5.002176
TEX49	2.950718	3.074334	2.926357	2.989173	2.832633	2.938449	2.932119	3.107253	2.951162	2.955351	3.048363	2.885946
TEX55	3.196534	3.301549	3.520411	3.089658	3.265177	3.252651	3.038497	3.269521	3.102126	3.325597	3.106905	2.937071
THCAT158	3.389471	3.391775	3.697012	3.517427	3.320764	3.368059	3.335901	3.472292	3.428355	3.389737	3.435356	3.385342
THORLNC	5.986655	5.640693	5.730695	5.60624	5.904669	5.887495	5.841848	5.821652	6.130558	5.899588	6.78064	5.851841
TLCD3A	9.385947	9.208372	10.08901	9.209745	7.698556	8.009622	8.18878	7.636916	8.440824	7.900125	8.549595	7.98154
TLCD3B	5.114642	5.249422	4.738312	5.039814	5.143659	4.9661	5.117863	5.036891	4.94111	5.038347	5.154365	4.850764
TLCD4	3.103116	3.1514	3.1595765	3.1792005	3.049544	2.977316	3.086532	3.1643655	4.7713495	3.0121055	2.9018625	2.770985
TLCD5	6.604418	6.326416	6.620649	6.903013	6.780264	6.417414	7.083664	6.818047	7.248068	6.341665	6.602594	6.212696
TLE5	8.302456	9.380271	8.309947	8.699936	8.489817	8.584355	8.099052	8.227644	8.270227	8.092424	7.689342	7.904772
TLNRD1	8.557956	9.121895	8.481289	8.371738	8.727031	9.645897	8.966509	8.640513	7.989676	9.343122	9.801115	9.989621
TMCO1-AS1	4.089596	4.182878	4.071415	4.184928	4.108083	4.256064	4.479542	4.279556	3.950562	3.994249	4.298542	4.227022
TMEM121B	4.848127	4.925156	5.059683	5.077169	5.008096	4.93709	5.105881	4.961353	5.536893	5.029364	5.065519	4.873333
TMEM131L	6.98109	7.708957	7.896975	7.646114	6.693046	8.012718	6.375872	6.379249	6.758816	7.482448	6.276681	6.442498
TMEM132D-AS1	3.420016	3.505198	3.592285	3.434035	3.33459	3.341593	3.214002	3.2775815	3.093051	3.10943	3.185265	3.319985
TMEM132D-AS2	3.14193	3.512193	2.960681	2.906284	2.736219	2.85108	2.692352	2.780773	2.578211	2.515086	3.089708	3.066071
TMEM225B	4.311315	4.835237	4.927344	4.949687	4.203524	4.046965	4.442862	4.080694	5.141989	4.939148	4.903058	4.21367
TMEM238L	4.0037735	4.4200405	4.350545	4.440049	4.3378165	4.13282	4.3608225	4.3849255	4.227325	4.127344	4.389947	4.2005115
TMEM250	8.46859	8.843247	8.946133	8.773398	9.050473	9.848868	8.746021	8.920838	8.569119	8.739325	8.668203	8.74585
TMEM270	2.925131	3.422153	3.372054	2.996619	3.12291	2.815923	2.884383	3.0717	2.852914	2.864796	2.869814	2.964216

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
TMEM272	3.221441	3.422654	3.289113	3.565093	3.806029	3.48456	3.411859	3.717455	3.48807	3.20213	3.841359	3.330852
TMEM273	2.961887	3.0131895	3.196931	3.097683	3.272431	3.1208765	3.135121	3.2587015	3.305806	3.162337	3.2839145	2.9240875
TMSB15B-AS1	3.274907	3.095637	3.260875	3.316556	3.185196	3.19441	3.349168	3.205991	3.392986	3.184335	3.381429	3.326545
TOGARAM1	8.274457	7.555029	7.88722	8.154889	8.253226	8.178753	7.902861	8.327748	8.853707	8.564696	8.352655	8.576152
TOGARAM2	3.721285	4.069106	3.648255	3.75772	4.161548	4.695244	4.249103	4.324027	4.075662	4.075168	3.6905	3.8758
TONSL-AS1	5.19617	5.226758	5.33058	5.600267	5.273589	5.313211	5.026309	5.164776	5.257073	5.237024	5.680396	4.713669
TP53TG3HP	5.088731	5.284904	5.324752	4.949013	4.868203	5.012808	4.686867	4.883844	4.863619	4.780164	4.920158	4.850764
TRARG1	5.563145	5.516923	5.694979	5.36998	5.354736	5.343267	5.513589	5.164574	5.078422	5.168212	5.155999	4.620265
TRDN-AS1	3.192513	3.089708	3.152512	3.205949	2.960716	2.978055	2.82365	2.588078	2.901016	2.810643	2.974916	3.002457
TRIR	7.5667855	7.957954	8.07149	7.5588275	7.8663555	7.653845	7.944253	7.752923	7.6192455	7.8978785	7.7374505	8.093623
TRMT9B	3.459303	3.549571	3.703851	3.78616	3.588297	3.418353	3.416071	3.7676495	3.669094	3.491403	3.6805765	3.700296
TSBP1	2.711293	2.449461	2.834494	2.554562	2.554562	2.518088	2.725887	2.423354	2.429995	2.634762	2.505509	2.391254
TUT4	5.6110165	5.397409	5.795898	5.543061	5.565653	5.4294795	6.088746	5.438814	5.816009	6.0874405	5.288113	6.3125185
TUT7	6.321925	5.520135	5.989847	5.887595	4.957095	6.038108	5.408219	5.061037	5.624041	5.648106	5.259818	5.432203
UFD1	10.62945	9.911341	10.20652	10.44594	10.69989	10.35664	10.96173	10.73295	10.76149	10.74682	10.94894	10.5276
UST-AS1	2.7336265	2.794185	2.682358	2.814619	2.5232375	2.612786	2.4989635	2.5247105	2.7017285	2.6501295	2.494241	2.4691815
UTP25	8.557761	7.8684715	7.806068	8.5702975	7.6035805	7.8254575	7.522031	7.598651	8.0412055	6.953147	7.752588	6.9255025
UVRAG-DT	4.189489	3.966792	4.388701	4.356622	4.158229	3.835229	3.929185	4.413038	4.082613	3.636176	4.047265	4.075291
VASH1-AS1	4.360289	4.672469	4.45556	4.108617	4.509505	5.269545	4.73333	4.326546	4.638161	5.145711	4.818151	5.548657
VIRMA	5.62953	5.275427	5.328786	5.769088	5.210859	5.433567	5.50513	5.355351	6.317074	5.405092	5.399772	5.036959
VPS26C	7.6552875	7.6930025	7.664331	7.3372605	7.348488	6.9607395	7.406869	7.3795495	8.0155695	6.542407	7.5833825	6.3014305
VPS35L	5.4961005	5.6745655	5.5575945	5.7550505	5.5906395	5.621293	5.3616555	5.57926	5.650397	5.6302175	5.469997	5.6366365
VSIG10L2	3.828717	3.983754	3.832102	3.694477	3.844089	3.662219	4.166797	4.243836	4.018539	3.66469	3.562131	3.739978
VSIR	5.729441	6.092544	6.5223355	6.130078	4.223704	7.5514355	4.67185	4.1846335	4.782531	5.368941	5.896623	5.8955565
VXN	3.915954	3.388951	3.395679	3.441433	7.156136	6.379071	5.476581	7.344154	3.490115	4.862519	7.338364	4.948924
WARS2-AS1	4.2739785	4.249057	4.3545455	4.7453105	4.833201	5.7150255	5.2069595	4.987701	5.123674	4.8922545	5.5819805	5.0493435
WASHC2C	9.712877	9.835724	9.335779	9.555519	9.724762	9.675556	8.875708	9.641884	10.45432	9.020908	10.05735	9.059661
WASHC3	10.01052	9.921061	9.813313	9.94468	9.403523	9.172762	9.310066	9.508963	9.590667	9.408337	9.630762	9.105945
WASHC4	9.218497	8.80871	9.791052	8.26358	8.235513	8.318095	8.607906	8.230887	8.353323	7.47763	6.520822	8.071751
WASHC5	9.089673	8.870214	8.852024	8.987897	8.77283	8.833261	8.756355	8.771214	9.212349	7.665949	8.420421	7.815966

geneNames	GSM2330035	GSM2330036	GSM2330037	GSM2330038	GSM2330039	GSM2330040	GSM2330041	GSM2330042	GSM2330043	GSM2330044	GSM2330045	GSM2330046
YAE1	8.628958	8.536039	8.537867	8.496661	8.731923	8.738046	9.013474	8.616614	8.859601	8.425739	8.63507	8.49484
YJU2	6.623325	6.631924	6.449232	6.473832	6.592068	6.946203	7.121014	6.616498	6.931019	6.543923	6.907708	6.741912
ZBTB44-DT	3.445554	4.197514	3.949661	3.504238	3.47537	3.647581	3.616367	4.01818	3.460919	3.073682	3.465592	3.191089
ZNF236-DT	3.561514	4.230478	4.041928	3.862211	3.699821	3.720881	3.795185	3.739423	3.936198	3.283044	4.051261	3.670588
ZNF426-DT	3.500028	3.820746	3.133353	3.7971	3.55447	3.532838	3.360379	3.20687	3.661555	3.434135	3.446126	2.996711
ZNF433-AS1	4.5203525	4.7240135	4.3311275	4.656058	4.441301	4.113904	4.2523575	4.4630505	4.543871	4.511383	4.9024015	4.273622
ZNF451-AS1	2.869383	2.742954	2.872112	3.032867	2.995235	2.845386	2.555648	3.087811	2.827602	2.819414	2.66478	2.998485
ZNF687-AS1	5.499487	5.394633	5.57106	5.445908	5.569638	5.316811	5.448156	5.646773	6.182514	5.047517	5.857325	4.942052
ZNF788P	7.062493	6.59867	6.738815	7.158692	5.847577	3.821221	5.174839	5.92406	6.177383	7.172328	4.248212	7.123292
ZNF875	5.0854025	5.1716575	5.420019	5.5466005	5.5596935	5.1146115	5.20812	5.540427	5.570172	5.6511615	5.6284235	5.637598
ZNRD2	8.531544	8.217116	7.957111	8.270161	8.22233	8.127232	8.532549	8.160335	8.003281	7.922581	8.600677	7.502673
ZSWIM9	5.60457	5.454627	5.24751	5.380845	4.937455	5.108429	4.755889	4.896669	5.154808	4.992889	5.01178	5.125776
ZUP1	7.376388	6.762115	6.897633	7.356817	7.506166	7.888042	8.037928	7.350937	7.276792	7.252158	7.098303	7.131094

Supplementary Table 3

Part 1

id.exposure	id.outcome	outcome	exposure	method	nsnp
bbj-a-17	ebi-a-GCST005647	Amyotrophic lateral sclerosis || id:ebi-a-GCST005647	|| id:bbj-a-17	Inverse variance weighted (multiplicative random effects)	78
bbj-a-17	ebi-a-GCST005647	Amyotrophic lateral sclerosis || id:ebi-a-GCST005647	|| id:bbj-a-17	Inverse variance weighted (fixed effects)	78
bbj-a-17	ebi-a-GCST005647	Amyotrophic lateral sclerosis || id:ebi-a-GCST005647	|| id:bbj-a-17	MR Egger	78
bbj-a-17	ebi-a-GCST005647	Amyotrophic lateral sclerosis || id:ebi-a-GCST005647	|| id:bbj-a-17	Weighted median	78
bbj-a-17	ebi-a-GCST005647	Amyotrophic lateral sclerosis || id:ebi-a-GCST005647	|| id:bbj-a-17	Simple mode	78
bbj-a-17	ebi-a-GCST005647	Amyotrophic lateral sclerosis || id:ebi-a-GCST005647	|| id:bbj-a-17	Weighted mode	78

Part 2

b	se	pval	lo_ci	up_ci	or
0.0808420967104201	0.0564845685381702	0.152365892417816	-0.0298676576243935	0.191551851045234	1.08419968435291
0.0808420967104201	0.0611786222571567	0.186364402223064	-0.039068002913607	0.200752196334447	1.08419968435291
0.229561084678062	0.214087923608066	0.286989760453059	-0.190051245593746	0.649173414949871	1.25804771231574
0.0958083832335329	0.0851836568349846	0.260704615108616	-0.0711515841630368	0.262768350630103	1.10054816030846
0.0700878700657142	0.178191995707642	0.695164323168937	-0.279168441521265	0.419344181652693	1.0726024267592
0.100351448185578	0.143364953579693	0.486054284990882	-0.180643860830621	0.381346757201776	1.10555939665061

Part 3

or_lci95	or_uci95
0.970573973114626	1.21112762974546
0.961685309519689	1.22232183845882
0.826916757017364	1.91395812581124
0.931320707957186	1.30052541816135
0.756412481214731	1.52096375253111
0.834732586735468	1.46425525844457

Supplementary Table 4

Part 1

id.exposure	id.outcome	outcome	exposure	method	nsnp
GCST90027661	ebi-a-GCST005647	Amyotrophic lateral sclerosis	o__Actinomycetales.f__Micrococcaceae	Inverse variance weighted	26
GCST90027685	ebi-a-GCST005647	Amyotrophic lateral sclerosis	o__Pasteurellales.f__Pasteurellaceae	Inverse variance weighted	8
GCST90027687	ebi-a-GCST005647	Amyotrophic lateral sclerosis	f__Micrococcaceae.g__Rothia	Inverse variance weighted	26
GCST90027746	ebi-a-GCST005647	Amyotrophic lateral sclerosis	c__Gammaproteobacteria.o__Pasteurellales	Inverse variance weighted	8
GCST90027777	ebi-a-GCST005647	Amyotrophic lateral sclerosis	g__Alistipes.s__Alistipes_onderdonkii	Inverse variance weighted	30
GCST90027778	ebi-a-GCST005647	Amyotrophic lateral sclerosis	g__Alistipes.s__Alistipes_putredinis	Inverse variance weighted	29
GCST90027822	ebi-a-GCST005647	Amyotrophic lateral sclerosis	g__Bacteroides.s__Bacteroides_clarus	Inverse variance weighted	34
GCST90027823	ebi-a-GCST005647	Amyotrophic lateral sclerosis	g__Bacteroides.s__Bacteroides_coprocola	Inverse variance weighted	17
GCST90027838	ebi-a-GCST005647	Amyotrophic lateral sclerosis	g__Bacteroides.s__Bacteroides_vulgatus	Inverse variance weighted	34
GCST90027843	ebi-a-GCST005647	Amyotrophic lateral sclerosis	g__Coprococcus.s__Coprococcus_catus	Inverse variance weighted	24

Part 2

b	se	pval	lo_ci	up_ci	or
0.0606101659116111	0.0183669414058182	0.00096698723433119 3	0.0246109607562075	0.0966093710670148	1.06248464071214
0.126295737644117	0.0381844959257451	0.00094128158314300 9	0.0514541256296563	0.201137349658577	1.13461766782671
0.0606797830547311	0.018382583240266	0.00096361884651600 1	0.0246499199038098	0.0967096462056524	1.06255861043219
0.126265697051489	0.0381770520849816	0.00094175880912459 8	0.051438674964925	0.201092719138053	1.13458358375152
-0.124549161	0.0328932361714777	0.00015280422673620 1	-0.189019904	-0.060078418	0.882894855956581
-0.136097633	0.037014944960455	0.00023615098059579	-0.208646925	-0.063548341	0.872757418457908
0.0805863787037474	0.0149816738329716	7.49019540050254e-0 8	0.051222297991123	0.109950459416372	1.0839224704166
-0.081748027	0.0222668584912295	0.00024133218954749 1	-0.12539107	-0.038104985	0.921504123312998
0.119754521184308	0.0314916749419051	0.00014310692056211 8	0.0580308382981739	0.181478204070442	1.12722010895617
-0.129549906	0.0306017123512098	2.30163917715417e-0 5	-0.189529262	-0.06957055	0.878490745372851

Part 3

or_lci95	or_uci95	URL
1.02491631028674	1.10143003913499	http://ftp.ebi.ac.uk/pub/databases/gwas/summary_statistics/GCST90027001-GCST90028000/GCST90027661/GCST90027661_buildGRCh37.tsv
1.05280088860647	1.2227927104512	http://ftp.ebi.ac.uk/pub/databases/gwas/summary_statistics/GCST90027001-GCST90028000/GCST90027685/GCST90027685_buildGRCh37.tsv
1.02495624093038	1.10154049072254	http://ftp.ebi.ac.uk/pub/databases/gwas/summary_statistics/GCST90027001-GCST90028000/GCST90027687/GCST90027687_buildGRCh37.tsv
1.05278462225857	1.22273813779385	http://ftp.ebi.ac.uk/pub/databases/gwas/summary_statistics/GCST90027001-GCST90028000/GCST90027746/GCST90027746_buildGRCh37.tsv
0.827770030354999	0.941690684718669	http://ftp.ebi.ac.uk/pub/databases/gwas/summary_statistics/GCST90027001-GCST90028000/GCST90027777/GCST90027777_buildGRCh37.tsv
0.811681769548049	0.938428753792802	http://ftp.ebi.ac.uk/pub/databases/gwas/summary_statistics/GCST90027001-GCST90028000/GCST90027778/GCST90027778_buildGRCh37.tsv
1.05255684855132	1.11622277076157	http://ftp.ebi.ac.uk/pub/databases/gwas/summary_statistics/GCST90027001-GCST90028000/GCST90027822/GCST90027822_buildGRCh37.tsv
0.882151852031275	0.962611876093133	http://ftp.ebi.ac.uk/pub/databases/gwas/summary_statistics/GCST90027001-GCST90028000/GCST90027823/GCST90027823_buildGRCh37.tsv
1.0597476760212	1.19898840335813	http://ftp.ebi.ac.uk/pub/databases/gwas/summary_statistics/GCST90027001-GCST90028000/GCST90027838/GCST90027838_buildGRCh37.tsv
0.827348506508022	0.932794322628374	http://ftp.ebi.ac.uk/pub/databases/gwas/summary_statistics/GCST90027001-GCST90028000/GCST90027843/GCST90027843_buildGRCh37.tsv

Supplementary Table 5

Part 1

id.exposure	id.outcome	outcome	exposure	method	nsnp
ebi-a-GCST90001451	ebi-a-GCST005647	Amyotrophic lateral sclerosis	CD62L- monocyte %monocyte	Inverse variance weighted	101
ebi-a-GCST90001452	ebi-a-GCST005647	Amyotrophic lateral sclerosis	CD11c+ CD62L- monocyte AC	Inverse variance weighted	88
ebi-a-GCST90001455	ebi-a-GCST005647	Amyotrophic lateral sclerosis	CD62L- HLA DR++ monocyte %monocyte	Inverse variance weighted	42
ebi-a-GCST90001470	ebi-a-GCST005647	Amyotrophic lateral sclerosis	CD62L- plasmacytoid DC AC	Inverse variance weighted	81
ebi-a-GCST90001522	ebi-a-GCST005647	Amyotrophic lateral sclerosis	CD33- HLA DR- AC	Inverse variance weighted	81
ebi-a-GCST90001569	ebi-a-GCST005647	Amyotrophic lateral sclerosis	EM DN (CD4-CD8-) AC	Inverse variance weighted	79
ebi-a-GCST90001638	ebi-a-GCST005647	Amyotrophic lateral sclerosis	DN (CD4-CD8-) NKT %lymphocyte	Inverse variance weighted	129
ebi-a-GCST90001683	ebi-a-GCST005647	Amyotrophic lateral sclerosis	CD127- CD8br %CD8br	Inverse variance weighted	43
ebi-a-GCST90001698	ebi-a-GCST005647	Amyotrophic lateral sclerosis	CD45RA+ CD28- CD8br AC	Inverse variance weighted	901
ebi-a-GCST90001748	ebi-a-GCST005647	Amyotrophic lateral sclerosis	CD20 on IgD+ CD38-	Inverse variance weighted	94
ebi-a-GCST90001754	ebi-a-GCST005647	Amyotrophic lateral sclerosis	CD20 on IgD- CD27-	Inverse variance weighted	74
ebi-a-GCST90001768	ebi-a-GCST005647	Amyotrophic lateral sclerosis	CD24 on IgD+ CD38br	Inverse variance weighted	95
ebi-a-GCST90001800	ebi-a-GCST005647	Amyotrophic lateral sclerosis	CD27 on IgD+ CD24+	Inverse variance weighted	119
ebi-a-GCST90001825	ebi-a-GCST005647	Amyotrophic lateral sclerosis	IgD on IgD+ CD38dim	Inverse variance weighted	80
ebi-a-GCST90001839	ebi-a-GCST005647	Amyotrophic lateral sclerosis	CD3 on EM CD8br	Inverse variance weighted	72
ebi-a-GCST90001841	ebi-a-GCST005647	Amyotrophic lateral sclerosis	CD3 on CM CD4+	Inverse variance weighted	101
ebi-a-GCST90001842	ebi-a-GCST005647	Amyotrophic lateral sclerosis	CD3 on Naive CD4+	Inverse variance weighted	99
ebi-a-GCST90001854	ebi-a-GCST005647	Amyotrophic lateral sclerosis	CD3 on CD39+ activated Treg	Inverse variance weighted	100
ebi-a-GCST90001856	ebi-a-GCST005647	Amyotrophic lateral sclerosis	CD3 on CD39+ secreting Treg	Inverse variance weighted	116
ebi-a-GCST90001857	ebi-a-GCST005647	Amyotrophic lateral sclerosis	CD3 on activated & secreting Treg	Inverse variance weighted	83
ebi-a-GCST90001860	ebi-a-GCST005647	Amyotrophic lateral sclerosis	CD3 on CD39+ CD4+	Inverse variance weighted	97
ebi-a-GCST90001866	ebi-a-GCST005647	Amyotrophic lateral sclerosis	CD3 on CD39+ CD8br	Inverse variance weighted	52
ebi-a-GCST90001870	ebi-a-GCST005647	Amyotrophic lateral sclerosis	CD34 on HSC	Inverse variance weighted	58
ebi-a-GCST90001935	ebi-a-GCST005647	Amyotrophic lateral sclerosis	CD25 on CD39+ CD4 Treg	Inverse variance weighted	63
ebi-a-GCST90001942	ebi-a-GCST005647	Amyotrophic lateral sclerosis	CD25 on CD39+ secreting Treg	Inverse variance weighted	43
ebi-a-GCST90002059	ebi-a-GCST005647	Amyotrophic lateral sclerosis	CD8 on NKT	Inverse variance weighted	71
ebi-a-GCST90002065	ebi-a-GCST005647	Amyotrophic lateral sclerosis	CD4 on CD39+ resting Treg	Inverse variance weighted	50

id.exposure	id.outcome	outcome	exposure	method	nsnp
ebi-a-GCST90002085	ebi-a-GCST005647	Amyotrophic lateral sclerosis	SSC-A on HLA DR+ CD4+	Inverse variance weighted	74
ebi-a-GCST90002104	ebi-a-GCST005647	Amyotrophic lateral sclerosis	HLA DR on myeloid DC	Inverse variance weighted	55
ebi-a-GCST90002105	ebi-a-GCST005647	Amyotrophic lateral sclerosis	HLA DR on plasmacyto id DC	Inverse variance weighted	76
ebi-a-GCST90002118	ebi-a-GCST005647	Amyotrophic lateral sclerosis	CD8 on CD28+ CD45RA- CD8br	Inverse variance weighted	65
ebi-a-GCST90002119	ebi-a-GCST005647	Amyotrophic lateral sclerosis	CD8 on CD28+ CD45RA+ CD8br	Inverse variance weighted	74

Part 2

b	se	pval	lo_ci	up_ci	or
-0.0335382509494228	0.00879465043130806	0.00013702188933495 5	-0.0507757657947866	-0.0163007361040589	0.967017921170361
0.0741284691502087	0.0134155470126504	3.28428052208542e-0 8	0.0478339970054139	0.100422941295003	1.07694515083782
0.069093612393476	0.0183746837986396	0.00016973596834861 7	0.0330792321481425	0.10510799263881	1.07153651355114
0.0491613700871003	0.011737587764487	2.80964164915408e-0 5	0.0261556980687057	0.0721670421054949	1.05038983856427
-0.0376082191926121	0.00938207069147649	6.11004323105295e-0 5	-0.055997077747906	-0.0192193606373182	0.963090187238579
-0.0698483094699576	0.0143807921755315	1.19144051086909e-0 6	-0.0980346621339993	-0.0416619568059159	0.932535265946439
0.0369288627222113	0.0101053593857599	0.00025780027810480 6	0.0171223583261219	0.0567353671183006	1.03761920480704
-0.0796629785925581	0.0200268979271205	6.95560706767555e-0 5	-0.118915698529714	-0.0404102586554018	0.923427508788178
0.00011272315787591 8	2.23794418531699e-0 5	4.73115545805311e-0 7	6.88594518437045e-0 5	0.00015658686390813 1	1.00011272951137
0.0453657723344881	0.0109809879041852	3.60715022637021e-0 5	0.0238430360422851	0.0668885086266911	1.04641053794323
0.0445391238229804	0.0121002874561481	0.00023247425526530 6	0.0208225604089301	0.0682556872370306	1.04554588166226
0.051198269409387	0.0105580833181466	1.23959692362826e-0 6	0.0305044261058196	0.0718921127129543	1.05253155740691
0.0446589295545796	0.00902984464589575	7.58695680493554e-0 7	0.0269604340486239	0.0623574250605353	1.04567115155541
-0.0435238930085118	0.0115466073080562	0.00016363412899366	-0.0661552433323019	-0.0208925426847217	0.957409678420088
-0.0467838397194337	0.012093893755659	0.00010955849176890 7	-0.0704878714805253	-0.023079807958342	0.954293655681519
-0.033163940120641	0.00796577384265419	3.13674944977676e-0 5	-0.0487768568522432	-0.0175510233890387	0.967379954202097
-0.028001293837269	0.00734707231503988	0.00013828377921221 7	-0.0424015555747472	-0.0136010320997909	0.972387108689752
-0.0329208271722432	0.0081665404814832	5.54965790740568e-0 5	-0.0489272465159502	-0.0169144078285361	0.967615165385267
-0.0300656462529571	0.00819962236463772	0.00024569011357633 1	-0.046136906087647	-0.0139943864182671	0.97038182952652
-0.0326159831060686	0.00832323776845393	8.90406522446982e-0 5	-0.0489295291322384	-0.0163024370798989	0.967910182091537
-0.0281555993259487	0.00830625814767621	0.00069972956358490 4	-0.0444358652953941	-0.0118753333565034	0.972237075597522
-0.0413838627966056	0.0111358828586089	0.00020219159729784 6	-0.0632101931994791	-0.0195575323937322	0.959460757960388
0.0485686394806033	0.0110035382757266	1.01519671559254e-0 5	0.0270017044601792	0.0701355745010273	1.04976742483825
0.0522814671951044	0.0130195228231303	5.9289509819106e-05	0.026763202461769	0.0777997319284397	1.05367227495912
-0.0769563115757203	0.0168847015097958	5.17036067282093e-0 6	-0.11005032653492	-0.0438622966165206	0.925930305158882
0.0457943469863082	0.0127069411281413	0.00031349652396405 2	0.0208887423751511	0.0706999515974652	1.04685909908929
-0.0520286719210276	0.014258782846265	0.00026338002502698 4	-0.079975886299707	-0.0240814575423481	0.949301648150798
0.0441802022901551	0.0129660160807994	0.00065588659521093 1	0.0187668107717883	0.0695935938085219	1.04517068006977
-0.0335078025543273	0.00840386204314122	6.68602171732566e-0 5	-0.0499793721588841	-0.0170362329497705	0.967047365762358
-0.0299167606680302	0.00788299964207318	0.00014758480958567 3	-0.0453674399664936	-0.0144660813695667	0.970526316148532

b	se	pval	lo_ci	up_ci	or
-0.0394610889159282	0.0110154810778956	0.00034054315615374	-0.0610514318286036	-0.0178707460032528	0.961307358774319
0.0405116116703132	0.0108828787236907	0.000197253042395784	0.0191811693718795	0.0618420539687469	1.04134340136857

Part 3

or_lci95	or_uci95
0.950491779407102	0.983831401938015
1.04899650430905	1.105638439355
1.03363243291501	1.11083056540249
1.02650076021782	1.07483487174909
0.945541898998153	0.980964153717584
0.906617477912775	0.959193974768554
1.01726978613874	1.05837569232353
0.887882647419683	0.960395347814111
1.00006886182271	1.00015659912427
1.02412955384589	1.06917626759886
1.02104086248983	1.07063902221818
1.03097445324071	1.07453940866832
1.0273271547831	1.06434269950362
0.935985547496799	0.979324194464222
0.931939042498082	0.977184493561844
0.952393626100697	0.982602098696853
0.958484818363672	0.986491044021164
0.952250406713178	0.983227837639106
0.954911220082032	0.98610307981756
0.95224823309337	0.983829728465993
0.956536945340854	0.988194900124419
0.938746134896631	0.980632475432017
1.02736955387249	1.07265359587277
1.0271245533985	1.08090616599912
0.895789052203083	0.957085742344228
1.02110843921786	1.07325914785846
0.923138606405933	0.976206187162264
1.01894401414334	1.07207239584789
0.951249046512527	0.983108063084508
0.955646274678131	0.985638049658161
0.940774852760722	0.98228798880182
1.01936630984349	1.06379430936889

Supplementary Table 6

Part 1

ID	GSE41414_ GSM102828_ Control	GSE41414_ GSM102829_ Control	GSE41414_ GSM102830_ Control	GSE41414_ GSM102831_ Control	GSE41414_ GSM102832_ Control	GSE41414_ GSM102833_ Control	GSE41414_ GSM102834_ Control
ARHGAP8	2.75970731	3.46276561	1.47979942	2.655172251	3.25333185	3.3448719	3.29792708
ADCY8	1.13919444	1.26233678	0.86640641	1.737508134	1.12502221	1.77022277	0.92496697
BPTF	2.82713542	2.3976586	2.47768734	2.363063169	2.59374653	2.59658184	1.70440348
ADAMTS2	0.98555342	3.04166853	1.64135469	0.845016908	0.18605729	1.05028098	1.27017347
EIF2AK4	0.72130023	0.83477709	0.33937672	1.421484922	1.3438876	-0.14877758	1.0588799
DACH1	0.53296739	1.06988562	0.85987897	-0.164882608	0.77600394	0.3534648	0.0377579
SLC39A11	3.56848979	3.18329627	3.52458159	3.460698959	3.22340231	3.5520503	3.31232066
SNX13	2.08908317	2.18691574	2.12077629	2.131026767	2.44501612	1.89244178	1.833518
RHBDF1	1.80321072	1.87357138	1.88248794	1.740609052	1.96315697	1.28888199	2.2557833
ANKRD12	3.11550702	3.14041781	3.06645451	3.352611854	3.02891797	3.48824394	2.80510494
TNFRSF13B	3.30653453	2.82121286	2.68400014	3.245037194	3.36228871	3.25935296	2.92673086
GABRB3	2.71436721	2.22658077	2.54253114	2.373053142	2.31518973	2.08254586	2.22590578
R3HDM1	0.83134907	0.76077686	0.15139788	0.729081794	1.03582958	0.85200273	0.46891171
ZC3H12C	3.15893504	3.12810358	3.08647628	3.169073515	3.23619713	3.39379785	2.87163815
IGFBP5	1.44270797	1.47991574	0.64978416	1.723306674	1.83752531	1.05009079	0.97384165
TNRC6B	1.88951691	1.8580145	1.83548121	1.498108608	1.83286815	1.63553189	1.98090074
FADS2	3.55760431	3.37743429	3.78273592	2.944939877	3.42256746	3.30942746	3.51542377
ESR1	-0.0865161	-0.12425416	0.30525953	-0.209927755	0.46099721	0.82411451	0.45649872
HUNK	0.31459422	1.71917891	1.74625856	-0.376675224	1.49229467	1.43792731	-1.05171084
DIP2C	1.14853258	1.30458473	1.51388095	1.279078106	0.90697755	0.57308888	1.57109175
SIK3	0.51546549	0.51311639	0.04189866	-0.331384768	-0.04075119	-0.12690123	0.72893239
DOCK6	2.71945742	3.09407553	2.44538015	2.424486305	2.78642514	2.19420474	2.5314474
MARK4	1.30727189	1.17529416	1.60433827	2.255343137	1.13707606	3.22825292	1.88628329
SGCZ	1.31894472	1.04447973	0.90433153	1.378854659	1.05560872	0.82974218	0.7230207
CMTM8	1.73813527	1.79950942	1.95674221	0.993283339	1.83411204	2.7930741	1.47130875
JMJD1C	2.28065958	2.50396291	2.19919957	1.804607903	2.18966298	2.04877716	2.40631254
GTPBP1	1.45645207	-0.17041191	0.22989913	1.893990867	1.80159895	2.35142742	2.43303632
SMG6	1.88758251	-1.28601477	1.11569963	1.756042854	0.43850763	1.22421057	1.1394322
ABCA1	1.23129199	1.84378079	1.5178803	1.310932098	1.74669094	1.43988773	1.93574132
ARHGEF11	0.62275245	0.76094834	1.58320775	1.586302082	1.3665489	1.25193455	1.05776878
MCF2L	0.61577944	0.63627203	0.84524684	1.064485456	0.64975261	0.71664271	0.82182287
SARDH	2.0495838	2.11119065	2.07843269	1.870890189	2.30200543	1.58726441	2.13811134
PCSK5	1.04029303	1.04918805	1.15985377	0.766730614	1.22479866	1.4359682	0.42078993
LRP1B	0.61790815	0.53282644	0.36638325	0.477918876	0.71951261	0.55472765	0.40468294
KCNIP1	0.8337225	0.85149169	0.27901445	0.291290611	0.47659532	0.14179552	1.00907014
SEMA3C	0.61764817	0.64498794	1.19332032	1.323603307	0.90655263	0.60549713	0.25881931
TSPAN11	2.99190465	3.30864099	3.17203806	3.529310307	3.24804796	3.10653753	2.7686793
DOCK1	1.9455273	1.81465065	2.27992135	2.523304543	1.91926005	1.44626179	0.63470622
RAP1GAP2	0.95156709	0.51295121	1.38162823	1.504306193	0.1454385	0.66453266	0.96793235
ZMIZ1	2.19828693	1.58089092	1.42011414	1.877614231	1.58489424	1.42542759	1.59618904
PACRG	2.10494575	2.09508807	2.36707004	2.140717825	2.25764361	2.17381568	2.13025117
TANC2	2.2291677	1.94589588	2.00813167	1.359616237	2.11814235	1.26055151	0.63648155
APOB	2.57787	2.24308961	2.77538593	2.051101226	2.51713804	2.57517439	1.58506051
PDE3A	2.73361248	2.86375786	2.22222555	2.630071851	2.67575181	2.51939041	2.30737666
CACNB2	1.34630111	1.56725305	0.73569475	1.433718795	0.75358987	0.52436614	0.49402552
SEMA7A	3.93525935	4.79885787	4.5110199	2.223171775	3.53841328	4.30366474	4.24168674
YLPM1	1.38305085	1.7186084	1.48575322	1.564145307	1.05327541	0.76854807	2.30190691
ZHX3	2.51571615	2.12216423	2.50233503	2.306699165	2.32692809	1.99367784	1.01292377
ERBB2	1.25472162	0.9567775	0.92746032	1.25670603	0.76332485	1.39460204	0.41515687

ID	GSE41414_ GSM102828_ Control	GSE41414_ GSM102829_ Control	GSE41414_ GSM102830_ Control	GSE41414_ GSM102831_ Control	GSE41414_ GSM102832_ Control	GSE41414_ GSM102833_ Control	GSE41414_ GSM102834_ Control
SORCS2	1.20353	1.41325953	1.5411128	1.42693313	1.06362791	0.67324474	1.84240316
SPI1	2.05868723	2.48454219	2.56025641	1.389772053	1.60860637	2.48066165	2.5146524
SBF2	1.82979073	1.613809	1.98790614	2.141921184	1.38933655	2.14953737	2.36709348

Part 2

GSE41414_ GSM102835_ Control	GSE41414_ GSM102836_ Control	GSE41414_ GSM102837_ Treat	GSE41414_ GSM102838_ Treat	GSE41414_ GSM102839_ Treat	GSE41414_ GSM102840_ Treat	GSE41414_ GSM102841_ Treat	GSE41414_ GSM102844_ Treat
3.27804307	2.961676962	3.38965679	2.79466698	4.139973	3.51572269	3.207036271	3.941904
1.70560143	1.221090173	0.71760563	1.33031815	1.731359	0.82739684	0.292346697	1.330832
2.34933787	2.208175782	2.43378956	2.43408173	2.028355	0.66248331	2.542349413	0.983277
1.61528061	0.992743435	2.63334224	1.75813807	2.113997	0.92386756	1.35158086	1.370593
1.34246508	1.239581629	1.65809975	1.17329252	0.3506254	1.94209343	1.096236364	2.516734
-0.04593375	1.020225775	0.91424595	0.15662944	0.420139	0.50728374	1.022813789	0.1005932
3.31609644	3.435212889	2.97182665	3.16183133	3.069915	3.07867058	3.124182531	2.977958
2.02036087	1.719589625	1.85790151	1.76278634	1.209314	1.85064591	2.042858861	0.2015769
1.97229707	2.116053427	1.86029227	2.34550689	1.253227	1.91841383	2.127017605	-0.190937
3.10856386	3.117138664	3.21520688	3.33697706	3.495991	2.71908058	3.002877206	3.52829
3.62366666	3.456349066	3.13845199	3.33142819	3.509011	3.40767161	3.557219827	1.851771
2.39466214	2.428877574	2.48758627	2.2180371	1.813957	1.92605382	2.3232506	0.2963273
1.08302784	0.952277247	1.21010867	1.38185097	0.8350215	1.23457615	0.998404087	2.424214
2.85784123	3.324105241	3.76827911	3.01283879	2.807921	2.51256765	3.391343353	2.608756
1.72966141	1.408416184	1.21362398	1.8991885	2.370822	1.94728841	1.611383954	2.713232
1.60865051	2.285636192	1.70713821	1.97836434	1.061333	1.75699233	1.859000555	0.2585125
3.56988169	3.90220034	3.65480402	3.30404804	2.480449	1.7669229	3.418880883	3.470391
0.5417151	-0.105445419	0.63981122	0.26898298	-0.1299003	1.2042577	0.902335594	1.563332
1.53299841	1.364684558	1.64401863	1.41165516	1.320635	1.9476145	1.076532295	1.384967
0.98688995	0.968708722	1.40851316	1.2681122	0.1839429	1.50990768	1.402007826	1.582303
0.31560378	0.306986681	1.11100666	0.19703226	0.4604775	0.93654477	-0.04344641	-0.0009333311
2.63156695	2.889588075	2.42575447	2.5429177	2.08964	2.35724213	2.666432101	2.424235
1.38184297	1.646579599	1.7865924	2.13662229	2.068105	0.77858282	3.066377995	2.699529
0.77717914	0.50427864	0.79668723	0.69172841	0.1508791	0.56324513	1.111622824	0.2707141
1.9298135	1.573609526	1.7192775	1.28139014	1.942238	2.09681366	1.966751867	1.334054
2.20562993	2.282132511	1.98759847	1.9805671	2.112075	2.43078121	1.817840438	1.536014
-0.26820261	1.550120362	2.39028938	0.32583848	0.6467828	0.9468585	1.5186862	2.325636
1.7699604	1.953233553	2.12072873	2.04158921	1.785573	2.18924746	1.215387384	1.874517
1.51397482	1.394606681	1.18499792	1.52434183	1.609949	2.07894081	1.530933435	2.73864
1.27365158	1.0084866	0.57322807	1.10763953	0.8516602	1.58890985	0.847698817	0.5856015
0.44863615	-0.078340009	0.75288559	0.92359054	0.7638916	0.97185055	0.906498981	1.7933
2.24240567	2.319707816	1.97948001	2.09684199	1.813738	1.73654508	1.942390028	0.5794351
0.58358023	0.534269494	0.94492632	0.59977251	0.5309744	0.71453292	-0.12550362	0.906548
0.58125023	0.685404266	0.65102717	0.78213859	0.7656048	0.50969595	0.458842216	0.2193669
0.98638431	0.603208694	0.91773591	1.35105289	0.8713619	1.53242967	0.407494097	1.85984
0.60276263	0.47438673	1.34756272	0.51625289	0.7687942	0.64906805	0.6475106	-0.7236596
3.67698676	3.119094624	3.36681161	2.88637387	3.473086	3.25540747	2.833667571	1.820073
1.79445485	1.614935248	2.96409136	1.24638657	1.944364	0.48417348	1.804893803	0.2672354
1.45817007	1.335461377	1.93600001	0.52110459	1.503232	1.56829594	1.40558089	1.249164
1.8272665	1.838046066	0.36462267	2.1922294	1.986464	1.59149869	1.725694755	2.66874
2.22627759	2.003710358	1.84133134	2.11053291	1.52437	2.155281	2.027304862	1.351208
1.06041909	1.384334482	1.73712655	1.61690333	-0.1390846	0.68905898	1.977302241	-1.960718
2.25277395	2.089083023	2.99743571	1.81423377	1.512998	1.9686283	2.585596598	1.30221
2.90634876	2.821982871	2.79060064	2.54245456	2.270526	2.66290685	2.52415562	2.294314
1.08393221	1.190580114	1.9123248	1.24994929	1.851403	0.34669879	1.106098772	0.8679057
4.50518739	4.462549204	3.73152082	4.31167489	4.692039	3.92828934	4.292449548	4.27092
1.63559449	1.554661349	1.34518166	1.7265102	1.376298	1.99026325	1.011001061	2.328514
1.8771219	1.874150365	1.91233375	1.65973343	1.416046	1.69975967	2.260929753	1.142954
0.76689667	1.19032503	0.69728494	1.5285727	0.9135628	1.50900509	1.128060726	1.490757
0.40989726	0.768514598	1.20017495	0.90434661	1.254819	1.09771797	1.546905607	1.479995
2.39939569	2.503360244	2.39484289	2.07955932	1.827576	2.6073096	1.931581385	2.674359
1.67513016	1.627697403	1.30522765	1.68951966	1.158635	1.57123932	1.629171619	0.7658457

Part 3

GSE41414_ GSM102845_ Treat	GSE41414_ GSM102846_ Treat	GSE41414_ GSM102847_ Treat	GSE41414_ GSM102849_ Treat	GSE41414_ GSM102852_ Treat	GSE4595_ GSM102828_ Control	GSE4595_ GSM102829_ Control	GSE4595_ GSM102830_ Control
3.91012671	3.863968678	4.02750898	2.84389788	3.601405631	2.75970731	3.46276561	1.47979942
1.41169475	0.553488746	0.8335897	1.01197151	1.114456993	1.13919444	1.26233678	0.86640641
0.88485187	1.384337739	1.80843528	1.96938452	1.893457346	2.82713542	2.3976586	2.47768734
2.46154741	1.949951057	1.22365244	1.44073301	1.436053931	0.98555342	3.04166853	1.64135469
1.02302873	1.882709337	3.45081821	1.24146432	0.856129366	0.72130023	0.83477709	0.33937672
0.76330927	0.952887766	-0.0811619	-0.56715035	0.273226167	0.53296739	1.06988562	0.85987897
3.27635099	3.265886656	2.22457281	3.31184973	3.369006586	3.56848979	3.18329627	3.52458159
0.59305121	1.63687889	1.71486885	1.69081691	1.932353066	2.08908317	2.18691574	2.12077629
0.84631196	1.804568209	1.75267023	1.80816009	0.755900754	1.80321072	1.87357138	1.88248794
3.72576701	2.780357404	3.11524744	3.38365097	3.837552998	3.11550702	3.14041781	3.06645451
2.88157281	3.03281422	3.48966973	3.59982016	2.517582145	3.30653453	2.82121286	2.68400014
1.75306786	2.021353684	2.200386	1.96954176	1.959920113	2.71436721	2.22658077	2.54253114
2.31743163	1.859577535	0.6744616	0.776963	1.828424397	0.83134907	0.76077686	0.15139788
2.54437777	2.7287063	2.93755847	2.73421771	1.62194907	3.15893504	3.12810358	3.08647628
2.2301505	2.084591978	1.76459023	2.00781792	1.803848942	1.44270797	1.47991574	0.64978416
1.56199335	1.237104474	0.49944577	1.01629974	2.060570171	1.88951691	1.8580145	1.83548121
2.62843666	2.109804036	3.07896238	3.62273264	3.945746876	3.55760431	3.37743429	3.78273592
0.9760481	1.303985705	1.10047301	0.30605824	0.710417111	-0.0865161	-0.12425416	0.30525953
1.42088869	1.872041723	1.56509672	1.49845136	1.151041854	0.31459422	1.71917891	1.74625856
1.48659085	2.120500815	1.38454108	0.8854201	1.464735741	1.14853258	1.30458473	1.51388095
0.46196334	0.490534234	0.38527205	1.28151365	0.869331686	0.51546549	0.51311639	0.04189866
2.10401794	1.670333068	2.51801228	2.43361942	2.690259721	2.71945742	3.09407553	2.44538015
2.28603588	2.564537921	0.98284668	2.90032471	2.378251609	1.30727189	1.17529416	1.60433827
0.83423678	0.510269711	0.03311082	0.25183093	0.918092	1.31894472	1.04447973	0.90433153
0.62558609	1.976015666	2.59071927	1.39914623	1.451178359	1.73813527	1.79950942	1.95674221
2.46448292	3.086170505	1.50004677	1.86946309	2.925483623	2.28065958	2.50396291	2.19919957
2.84142151	2.327179913	1.91356822	1.41442188	2.38057679	1.45645207	-0.17041191	0.22989913
1.17481492	2.047676084	2.57102646	1.50455419	1.920247649	1.88758251	-1.28601477	1.11569963
1.74258833	2.775440078	2.21978531	1.59238349	1.819472805	1.23129199	1.84378079	1.5178803
0.88335876	1.330428716	1.05675983	1.10046103	1.567462294	0.62275245	0.76094834	1.58320775
0.94984689	1.359129483	0.15730089	0.9191983	0.743042939	0.61577944	0.63627203	0.84524684
1.4131086	1.429909217	1.48644607	1.90605434	2.579481435	2.0495838	2.11119065	2.07843269
-0.48687506	-0.034863743	-0.04045631	0.60385495	0.077774011	1.04029303	1.04918805	1.15985377
0.66709826	0.299436517	0.50322314	0.0599776	1.067154725	0.61790815	0.53282644	0.36638325
0.95504541	1.140720508	1.17441794	0.72150096	0.29756159	0.8337225	0.85149169	0.27901445
0.55663333	0.781555191	-0.95827644	0.1719151	0.40422636	0.61764817	0.64498794	1.19332032
3.45881592	2.426934931	3.10113056	3.57093099	0.86644626	2.99190465	3.30864099	3.17203806
-0.01824867	1.139848063	1.00338042	1.44524672	0.868302123	1.9455273	1.81465065	2.27992135
1.84899984	1.617958168	2.41413626	0.79633098	1.735902071	0.95156709	0.51295121	1.38162823
2.05404527	2.431783312	2.63812488	2.45181154	2.04313405	2.19828693	1.58089092	1.42011414
1.55969801	2.223984865	2.07101358	1.92727771	2.19236218	2.10494575	2.09508807	2.36707004
-0.29300845	1.156163991	0.45986345	0.13738428	0.443725137	2.2291677	1.94589588	2.00813167
1.08905246	1.705573784	2.23326615	2.02045212	2.114806632	2.57787	2.24308961	2.77538593
2.31154873	2.129946404	2.29105138	2.64863675	1.606268393	2.73361248	2.86375786	2.22222555
1.40323437	0.223130938	0.65306716	1.05276305	2.102913997	1.34630111	1.56725305	0.73569475
3.32992195	3.921855086	3.63300614	4.41394142	4.475396499	3.93525935	4.79885787	4.5110199
1.35433211	1.670759259	1.04791959	1.58922057	2.139079727	1.38305085	1.7186084	1.48575322
1.06233021	1.884954621	2.32436142	1.5861353	0.179167703	2.51571615	2.12216423	2.50233503
1.65305522	1.470434349	1.74763299	1.24147014	1.866740748	1.25472162	0.9567775	0.92746032
2.55144994	1.330587514	1.97244924	1.25209238	1.424236266	1.20353	1.41325953	1.5411128
2.6179981	3.052858017	1.3435028	2.69055264	2.678929768	2.05868723	2.48454219	2.56025641
0.15812901	1.808488096	2.17196239	1.86109432	2.005976208	1.82979073	1.613809	1.98790614

Part 4

GSE4595_ GSM102831_ Control	GSE4595_ GSM102832_ Control	GSE4595_ GSM102833_ Control	GSE4595_ GSM102834_ Control	GSE4595_ GSM102835_ Control	GSE4595_ GSM102836_ Control	GSE4595_ GSM102837_ Treat	GSE4595_ GSM102838_ Treat
2.655172251	3.25333185	3.3448719	3.29792708	3.27804307	2.961676962	3.38965679	2.79466698
1.737508134	1.12502221	1.77022277	0.92496697	1.70560143	1.221090173	0.71760563	1.33031815
2.363063169	2.59374653	2.59658184	1.70440348	2.34933787	2.208175782	2.43378956	2.43408173
0.845016908	0.18605729	1.05028098	1.27017347	1.61528061	0.992743435	2.63334224	1.75813807
1.421484922	1.3438876	-0.14877758	1.0588799	1.34246508	1.239581629	1.65809975	1.17329252
-0.164882608	0.77600394	0.3534648	0.0377579	-0.04593375	1.020225775	0.91424595	0.15662944
3.460698959	3.22340231	3.5520503	3.31232066	3.31609644	3.435212889	2.97182665	3.16183133
2.131026767	2.44501612	1.89244178	1.833518	2.02036087	1.719589625	1.85790151	1.76278634
1.740609052	1.96315697	1.28888199	2.2557833	1.97229707	2.116053427	1.86029227	2.34550689
3.352611854	3.02891797	3.48824394	2.80510494	3.10856386	3.117138664	3.21520688	3.33697706
3.245037194	3.36228871	3.25935296	2.92673086	3.62366666	3.456349066	3.13845199	3.33142819
2.373053142	2.31518973	2.08254586	2.22590578	2.39466214	2.428877574	2.48758627	2.2180371
0.729081794	1.03582958	0.85200273	0.46891171	1.08302784	0.952277247	1.21010867	1.38185097
3.169073515	3.23619713	3.39379785	2.87163815	2.85784123	3.324105241	3.76827911	3.01283879
1.723306674	1.83752531	1.05009079	0.97384165	1.72966141	1.408416184	1.21362398	1.8991885
1.498108608	1.83286815	1.63553189	1.98090074	1.60865051	2.285636192	1.70713821	1.97836434
2.944939877	3.42256746	3.30942746	3.51542377	3.56988169	3.90220034	3.65480402	3.30404804
-0.209927755	0.46099721	0.82411451	0.45649872	0.5417151	-0.105445419	0.63981122	0.26898298
-0.376675224	1.49229467	1.43792731	-1.05171084	1.53299841	1.364684558	1.64401863	1.41165516
1.279078106	0.90697755	0.57308888	1.57109175	0.98688995	0.968708722	1.40851316	1.2681122
-0.331384768	-0.04075119	-0.12690123	0.72893239	0.31560378	0.306986681	1.11100666	0.19703226
2.424486305	2.78642514	2.19420474	2.5314474	2.63156695	2.889588075	2.42575447	2.5429177
2.255343137	1.13707606	3.22825292	1.88628329	1.38184297	1.646579599	1.7865924	2.13662229
1.378854659	1.05560872	0.82974218	0.7230207	0.77717914	0.50427864	0.79668723	0.69172841
0.993283339	1.83411204	2.7930741	1.47130875	1.9298135	1.573609526	1.7192775	1.28139014
1.804607903	2.18966298	2.04877716	2.40631254	2.20562993	2.282132511	1.98759847	1.9805671
1.893990867	1.80159895	2.35142742	2.43303632	-0.26820261	1.550120362	2.39028938	0.32583848
1.756042854	0.43850763	1.22421057	1.1394322	1.7699604	1.953233553	2.12072873	2.04158921
1.310932098	1.74669094	1.43988773	1.93574132	1.51397482	1.394606681	1.18499792	1.52434183
1.586302082	1.3665489	1.25193455	1.05776878	1.27365158	1.0084866	0.57322807	1.10763953
1.064485456	0.64975261	0.71664271	0.82182287	0.44863615	-0.078340009	0.75288559	0.92359054
1.870890189	2.30200543	1.58726441	2.13811134	2.24240567	2.319707816	1.97948001	2.09684199
0.766730614	1.22479866	1.4359682	0.42078993	0.58358023	0.534269494	0.94492632	0.59977251
0.477918876	0.71951261	0.55472765	0.40468294	0.58125023	0.685404266	0.65102717	0.78213859
0.291290611	0.47659532	0.14179552	1.00907014	0.98638431	0.603208694	0.91773591	1.35105289
1.323603307	0.90655263	0.60549713	0.25881931	0.60276263	0.47438673	1.34756272	0.51625289
3.529310307	3.24804796	3.10653753	2.7686793	3.67698676	3.119094624	3.36681161	2.88637387
2.523304543	1.91926005	1.44626179	0.63470622	1.79445485	1.614935248	2.96409136	1.24638657
1.504306193	0.1454385	0.66453266	0.96793235	1.45817007	1.335461377	1.93600001	0.52110459
1.877614231	1.58489424	1.42542759	1.59618904	1.8272665	1.838046066	0.36462267	2.1922294
2.140717825	2.25764361	2.17381568	2.13025117	2.22627759	2.003710358	1.84133134	2.11053291
1.359616237	2.11814235	1.26055151	0.63648155	1.06041909	1.384334482	1.73712655	1.61690333
2.051101226	2.51713804	2.57517439	1.58506051	2.25277395	2.089083023	2.99743571	1.81423377
2.630071851	2.67575181	2.51939041	2.30737666	2.90634876	2.821982871	2.79060064	2.54245456
1.433718795	0.75358987	0.52436614	0.49402552	1.08393221	1.190580114	1.9123248	1.24994929
2.223171775	3.53841328	4.30366474	4.24168674	4.50518739	4.462549204	3.73152082	4.31167489
1.564145307	1.05327541	0.76854807	2.30190691	1.63559449	1.554661349	1.34518166	1.7265102
2.306699165	2.32692809	1.99367784	1.01292377	1.8771219	1.874150365	1.91233375	1.65973343
1.25670603	0.76332485	1.39460204	0.41515687	0.76689667	1.19032503	0.69728494	1.5285727
1.42693313	1.06362791	0.67324474	1.84240316	0.40989726	0.768514598	1.20017495	0.90434661
1.389772053	1.60860637	2.48066165	2.5146524	2.39939569	2.503360244	2.39484289	2.07955932
2.141921184	1.38933655	2.14953737	2.36709348	1.67513016	1.627697403	1.30522765	1.68951966

Part 5

GSE4595_ GSM102839_ Treat	GSE4595_ GSM102840_ Treat	GSE4595_ GSM102841_ Treat	GSE4595_ GSM102844_ Treat	GSE4595_ GSM102845_ Treat	GSE4595_ GSM102846_ Treat	GSE4595_ GSM102847_ Treat	GSE4595_ GSM102849_ Treat
4.139973	3.51572269	3.207036271	3.941904	3.91012671	3.863968678	4.02750898	2.84389788
1.731359	0.82739684	0.292346697	1.330832	1.41169475	0.553488746	0.8335897	1.01197151
2.028355	0.66248331	2.542349413	0.983277	0.88485187	1.384337739	1.80843528	1.96938452
2.113997	0.92386756	1.35158086	1.370593	2.46154741	1.949951057	1.22365244	1.44073301
0.3506254	1.94209343	1.096236364	2.516734	1.02302873	1.882709337	3.45081821	1.24146432
0.420139	0.50728374	1.022813789	0.1005932	0.76330927	0.952887766	-0.0811619	-0.56715035
3.069915	3.07867058	3.124182531	2.977958	3.27635099	3.265886656	2.22457281	3.31184973
1.209314	1.85064591	2.042858861	0.2015769	0.59305121	1.63687889	1.71486885	1.69081691
1.253227	1.91841383	2.127017605	-0.190937	0.84631196	1.804568209	1.75267023	1.80816009
3.495991	2.71908058	3.002877206	3.52829	3.72576701	2.780357404	3.11524744	3.38365097
3.509011	3.40767161	3.557219827	1.851771	2.88157281	3.03281422	3.48966973	3.59982016
1.813957	1.92605382	2.3232506	0.2963273	1.75306786	2.021353684	2.200386	1.96954176
0.8350215	1.23457615	0.998404087	2.424214	2.31743163	1.859577535	0.6744616	0.776963
2.807921	2.51256765	3.391343353	2.608756	2.54437777	2.7287063	2.93755847	2.73421771
2.370822	1.94728841	1.611383954	2.713232	2.2301505	2.084591978	1.76459023	2.00781792
1.061333	1.75699233	1.859000555	0.2585125	1.56199335	1.237104474	0.49944577	1.01629974
2.480449	1.7669229	3.418880883	3.470391	2.62843666	2.109804036	3.07896238	3.62273264
-0.1299003	1.2042577	0.902335594	1.563332	0.9760481	1.303985705	1.10047301	0.30605824
1.320635	1.9476145	1.076532295	1.384967	1.42088869	1.872041723	1.56509672	1.49845136
0.1839429	1.50990768	1.402007826	1.582303	1.48659085	2.120500815	1.38454108	0.8854201
0.4604775	0.93654477	-0.04344641	-0.0009333311	0.46196334	0.490534234	0.38527205	1.28151365
2.08964	2.35724213	2.666432101	2.424235	2.10401794	1.670333068	2.51801228	2.43361942
2.068105	0.77858282	3.066377995	2.699529	2.28603588	2.564537921	0.98284668	2.90032471
0.1508791	0.56324513	1.111622824	0.2707141	0.83423678	0.510269711	0.03311082	0.25183093
1.942238	2.09681366	1.966751867	1.334054	0.62558609	1.976015666	2.59071927	1.39914623
2.112075	2.43078121	1.817840438	1.536014	2.46448292	3.086170505	1.50004677	1.86946309
0.6467828	0.9468585	1.5186862	2.325636	2.84142151	2.327179913	1.91356822	1.41442188
1.785573	2.18924746	1.215387384	1.874517	1.17481492	2.047676084	2.57102646	1.50455419
1.609949	2.07894081	1.530933435	2.73864	1.74258833	2.775440078	2.21978531	1.59238349
0.8516602	1.58890985	0.847698817	0.5856015	0.88335876	1.330428716	1.05675983	1.10046103
0.7638916	0.97185055	0.906498981	1.7933	0.94984689	1.359129483	0.15730089	0.9191983
1.813738	1.73654508	1.942390028	0.5794351	1.4131086	1.429909217	1.48644607	1.90605434
0.5309744	0.71453292	-0.12550362	0.906548	-0.48687506	-0.034863743	-0.04045631	0.60385495
0.7656048	0.50969595	0.458842216	0.2193669	0.66709826	0.299436517	0.50322314	0.0599776
0.8713619	1.53242967	0.407494097	1.85984	0.95504541	1.140720508	1.17441794	0.72150096
0.7687942	0.64906805	0.6475106	-0.7236596	0.55663333	0.781555191	-0.95827644	0.1719151
3.473086	3.25540747	2.833667571	1.820073	3.45881592	2.426934931	3.10113056	3.57093099
1.944364	0.48417348	1.804893803	0.2672354	-0.01824867	1.139848063	1.00338042	1.44524672
1.503232	1.56829594	1.40558089	1.249164	1.84899984	1.617958168	2.41413626	0.79633098
1.986464	1.59149869	1.725694755	2.66874	2.05404527	2.431783312	2.63812488	2.45181154
1.52437	2.155281	2.027304862	1.351208	1.55969801	2.223984865	2.07101358	1.92727771
-0.1390846	0.68905898	1.977302241	-1.960718	-0.29300845	1.156163991	0.45986345	0.13738428
1.512998	1.9686283	2.585596598	1.30221	1.08905246	1.705573784	2.23326615	2.02045212
2.270526	2.66290685	2.52415562	2.294314	2.31154873	2.129946404	2.29105138	2.64863675
1.851403	0.34669879	1.106098772	0.8679057	1.40323437	0.223130938	0.65306716	1.05276305
4.692039	3.92828934	4.292449548	4.27092	3.32992195	3.921855086	3.63300614	4.41394142
1.376298	1.99026325	1.011001061	2.328514	1.35433211	1.670759259	1.04791959	1.58922057
1.416046	1.69975967	2.260929753	1.142954	1.06233021	1.884954621	2.32436142	1.5861353
0.9135628	1.50900509	1.128060726	1.490757	1.65305522	1.470434349	1.74763299	1.24147014
1.254819	1.09771797	1.546905607	1.479995	2.55144994	1.330587514	1.97244924	1.25209238
1.827576	2.6073096	1.931581385	2.674359	2.6179981	3.052858017	1.3435028	2.69055264
1.158635	1.57123932	1.629171619	0.7658457	0.15812901	1.808488096	2.17196239	1.86109432

Part 6

GSE4595_ GSM102852_ Treat	GSE68607_ GSM1677001_ Control	GSE68607_ GSM1677002_ Control	GSE68607_ GSM1677003_ Control	GSE68607_ GSM1677004_ Control	GSE68607_ GSM1677005_ Control	GSE68607_ GSM1677006_ Control	GSE68607_ GSM1677007_ Control
3.601405631	2.32204742	2.4055687394	1.943619269	2.21538818	2.27434279	2.28276142	2.40144673
1.114456993	1.56904026	1.767281741	1.620228551	1.81420441	1.7156216	1.57074819	1.89768645
1.893457346	1.78205002	2.5687262897	2.342827725	2.56167831	1.66159193	1.61616504	1.53406345
1.436053931	0.12085412	1.9252713923	1.014514707	1.80109982	1.93723315	1.20360755	1.51752437
0.856129366	0.8340634	2.0437812734	-0.166420012	-0.40123065	-0.38644039	-0.30666714	-0.85551069
0.273226167	-0.46782806	-0.6793921279	-0.8176316	-0.68791669	-0.84652199	-0.11984092	1.10112057
3.369006586	3.80253456	3.129447313	3.275402379	3.35431609	3.32086654	3.42918746	3.35613446
1.932353066	2.20080626	1.9583689144	2.637214987	2.33742447	2.23848916	1.81267978	1.36263989
0.755900754	1.94258536	2.5547396214	1.581486818	1.40063716	2.14867919	1.79001323	1.76397826
3.837552998	2.78787756	3.2607000449	3.30740117	2.91608231	3.23606727	3.36861119	2.9011042
2.517582145	2.90654723	2.2867955246	2.971165645	2.90808525	2.83040313	3.07747689	2.81310761
1.959920113	2.09702988	1.9461160742	1.678573412	2.16958913	2.37664229	2.13707398	3.08259608
1.828424397	0.72169098	0.7877417785	1.196937655	1.24343935	1.78695833	0.43223387	0.61902494
1.62194907	3.56247162	2.8383820436	2.951621874	3.04632541	3.00205254	3.40739375	1.81710442
1.803848942	1.82468402	1.250506207	1.61089553	1.71550549	2.41241465	1.21602471	1.48576148
2.060570171	2.46761713	1.7159615731	2.417875387	1.43423376	1.40736624	1.97725658	1.28946116
3.945746876	3.70661962	3.6792991644	3.272956999	4.07702104	4.09395837	3.78231975	3.23665375
0.710417111	0.05010739	0.6158282454	0.448614333	0.65205503	0.26107701	0.2034791	0.81772733
1.151041854	1.7593872	1.6224723473	1.778702824	1.79537819	1.81595411	1.85245349	1.52428553
1.464735741	1.84711817	1.3997426945	0.680213879	0.20032539	1.24917486	0.47207591	0.99546273
0.869331686	0.90660804	-0.099217141	0.932447064	0.69415291	0.37844577	0.34939388	0.24871023
2.690259721	2.06884293	2.642088256	2.696939354	2.76468314	2.58800162	2.75318793	2.69194481
2.378251609	2.02341011	1.297628174	2.32664458	1.99152089	1.88736896	1.91048877	0.76461832
0.918092	0.99550722	0.6982402986	-0.282431396	1.25041544	0.86309316	1.09144342	0.31589525
1.451178359	0.62890066	2.3319791713	1.873056435	0.50151297	1.4263804	1.93638056	0.84552233
2.925483623	2.4082866	2.4463488268	2.650343551	2.414069	2.70315614	2.84070898	1.99232996
2.38057679	2.13881271	1.3828817266	1.562120355	1.71790288	0.46592554	0.70937511	1.82668543
1.920247649	2.19475406	1.9836638926	1.884902418	2.07250669	2.24047695	2.13325327	1.91321483
1.819472805	1.90412779	1.7645713553	1.294108436	1.71094979	1.34483165	1.59608948	2.01382963
1.567462294	1.44103063	1.5715211141	0.881591659	1.68446808	1.43363514	1.50552854	0.91542765
0.743042939	0.31913113	1.2539413756	0.641669047	1.07569946	0.65381417	0.57980237	0.60941228
2.579481435	2.14642316	2.2566293098	1.799996097	1.67222892	2.18441179	2.14256155	2.36719591
0.077774011	0.04020522	1.0228139224	0.418259873	0.37878029	0.02034276	0.37365307	1.02465418
1.067154725	0.70589242	1.1005022317	0.880624895	0.96445387	0.66994793	0.65289307	0.76430618
0.29756159	1.00548443	0.565298597	0.583729038	0.58051601	0.49540323	0.86869751	0.86290853
0.40422636	1.1107335	0.7959818239	0.261200488	-0.21884544	0.46381154	0.83743856	0.8619384
0.86644626	3.54017449	3.2144130808	2.693369843	3.13728613	2.93722228	3.05669596	3.14903806
0.868302123	1.26205254	0.2639808792	1.55713311	0.17745275	2.0181365	1.87770474	2.02308072
1.735902071	1.76090852	1.722197914	1.757182184	1.98539318	-1.10811542	1.98031184	-0.35889434
2.04313405	1.23234259	1.9306644571	1.285052584	2.25030951	2.37210979	2.42459957	1.13051796
2.19236218	1.99747681	2.185999533	1.523747283	1.94755203	2.1105087	2.02278689	2.22481714
0.443725137	-0.64242219	0.1994104002	2.477017492	0.63036368	-0.46575919	1.73116094	2.09433987
2.114806632	2.03349359	2.2224351961	1.791048844	2.50378132	1.94350587	2.23170985	2.32987201
1.606268393	2.66538345	2.5253580852	2.067999257	2.53276193	2.4158714	2.54645614	2.91796055
2.102913997	2.11771153	0.6015938052	0.603134612	0.05024928	0.60015634	0.71874495	0.36113217
4.475396499	4.7297132	4.8649388114	4.417679533	4.65977109	4.88196427	4.88196427	4.44359719
2.139079727	2.84322656	2.4198477058	2.094392378	2.59930304	2.57583794	2.64242391	2.43641486
0.179167703	1.27619022	2.3319919377	2.274862028	1.65032858	2.31540764	2.11514855	2.71973886
1.866740748	0.4624405	1.674544322	0.812170187	0.58512072	0.32628553	0.31926267	1.85747887
1.424236266	1.65499381	1.731268574	0.535762867	1.78877534	1.77813244	1.72728539	1.7906379
2.678929768	1.83546663	2.0478245693	2.325433246	2.40074589	2.13865059	2.1056894	2.14174255
2.005976208	1.47362823	2.0402235846	2.337744013	2.2299653	2.29654346	1.88467133	1.39769963

Part 7

GSE68607_ GSM1677008_ Control	GSE68607_ GSM1677009_ Control	GSE68607_ GSM1677010_ Control	GSE68607_ GSM1677011_ Control	GSE68607_ GSM1677012_ Control	GSE68607_ GSM1677013_ Control	GSE68607_ GSM1677014_ Control	GSE68607_ GSM1677015_ Control
2.37614696	2.28793581	2.431668672	1.95876323	2.44896487	2.17002734	2.44769621	2.386320878
1.6482801	1.79327684	1.691290553	1.25874887	1.8903055	1.56143075	1.75329557	1.711284313
2.73514634	2.52296738	2.969084125	2.30092877	2.74848227	2.2534504	2.60238482	2.511872148
0.35346722	1.4405344	0.611904399	-0.13262076	0.80824167	0.34736134	0.78843965	1.548224237
0.01536106	-0.55006819	2.039044213	2.49025398	-1.26280836	2.04651608	2.11329249	-0.508943906
0.02702466	-0.44936176	0.001407641	-0.70821265	-0.45440192	-0.20776176	-0.72330829	-0.774398693
3.00002585	3.53010193	2.890886137	3.36415602	3.14697126	3.45924708	3.13489095	3.283338319
1.91807798	0.83304881	1.730132723	2.29665413	1.53084267	2.48734517	1.32858648	2.038869389
2.04939566	1.474879	2.222747133	1.86071475	1.97032246	1.18198009	2.220841	2.498133594
3.39434769	2.82168331	2.770221896	2.95927366	2.91509609	2.90903301	3.00003398	3.131375278
2.79279374	2.39665127	1.886244446	2.93642371	3.41165068	2.08529931	2.96609365	2.941256149
2.40972395	2.19489959	1.968338563	2.22848807	2.04515653	1.64284452	1.9324679	2.150471546
1.16318879	1.18760306	1.217183578	1.63004282	0.14189989	1.35848582	0.37911682	0.917256419
3.14918599	2.58751644	3.317877866	3.04632541	3.43137486	3.24462531	3.28211128	3.430597671
1.26362298	1.45829682	1.745253145	1.91900864	1.57619632	1.84355205	1.21702581	1.774838813
1.89136173	2.18247695	1.278043288	2.0689957	0.68060655	2.53657999	1.72028953	1.732677213
3.42475941	3.13483826	3.8891837	3.61062669	3.04540344	3.14364963	3.16729765	3.088533711
0.65374705	1.00492765	0.475311551	0.74626468	1.00557916	0.39801157	0.04793301	0.189455149
1.99596863	1.71402324	1.564619631	1.38512961	2.47231931	1.61553249	1.84023069	2.177414112
1.57465996	1.22100958	1.293684227	1.13292759	0.84871566	0.7458698	1.25598086	1.51911938
0.05485072	0.97419591	0.149978336	0.32490638	-0.53411357	0.40740503	-0.4565596	-0.663817393
2.36093916	2.41276502	2.585971401	2.28550161	2.86149397	2.23880386	2.57282838	2.624795405
2.19715578	0.58919503	2.233634794	2.32932372	1.85346474	2.20760984	2.57775657	2.350464227
1.27131374	0.97358091	0.545838465	-0.17932324	0.88636593	1.06365382	1.16711145	1.154540839
1.84811423	1.63606907	1.286829101	1.81772283	1.19416344	1.06554438	0.5196372	1.015806541
2.66747777	2.12446394	2.633704507	2.97642976	2.33415259	2.71112558	2.64343079	2.12865512
0.97250724	1.58503335	1.055047534	1.79942275	-0.28266168	1.18372896	0.49202053	0.4548573
-0.54085389	1.78876501	1.468639347	1.3793777	-0.36757666	-0.76725643	1.35762985	1.453538749
1.59506008	1.62311548	1.765586128	1.1816446	2.21655442	0.9657828	1.75717278	1.841551252
1.19617077	1.77928882	1.705285851	0.54991865	1.8675121	0.99144231	1.72346046	0.712221232
0.81498917	0.6493305	0.737469765	0.19883536	1.11103697	0.44567987	0.95916534	0.786526744
1.78758548	2.14862632	1.627790664	1.12003045	1.97642918	1.50226113	2.39307923	1.897926893
0.21076333	0.78795667	0.334866524	-0.12079178	1.29843698	1.03095148	1.79333059	0.088498089
0.53376051	0.69994426	0.914931156	0.92907793	0.76964641	0.30779954	0.68729688	0.781969219
0.77909847	0.95896227	0.637781369	0.93659305	1.72959469	0.34711105	0.74943259	0.612933064
1.04656028	0.15240341	0.701931489	1.06468689	1.18286829	0.53094314	0.88249528	1.215022808
2.70526174	2.86732544	3.099822723	2.43190978	3.35261036	2.55233547	4.09877498	3.248354272
1.9777098	1.71839853	1.908630542	1.81112814	2.26285328	-0.12834781	2.08963625	1.949947281
1.51979064	1.34785465	2.091986483	1.61007733	1.53329079	1.36949324	1.62062457	1.633933889
2.04650648	2.39118705	2.10210329	0.82545859	1.99541694	0.78952289	2.59983227	1.534786454
2.18079956	1.97703335	2.092157582	1.84191009	1.93804685	1.81917972	2.39611371	2.254218844
0.83718831	2.38110676	0.125746117	0.85274905	2.80926712	2.65487411	-1.02104931	1.07589734
1.95421533	2.44730266	2.142096924	1.59839489	2.57504537	1.88012798	1.89581973	2.384925067
2.42423184	2.36085716	2.605597888	2.18953352	2.79863041	2.04233141	2.65118649	2.674290037
2.31442345	0.27871405	0.233033261	1.83469357	0.79084583	-0.05346275	1.48805649	0.419625665
3.99981316	3.87168938	3.986959893	3.82613507	3.46292531	3.96207949	4.52293668	4.243209185
2.39507828	1.95663335	1.009865211	1.24063826	1.21683445	2.45334423	0.94050619	2.171292412
1.11105803	2.12821437	1.619061093	0.74178228	1.75736372	1.72448759	1.4736634	1.240700597
1.7636645	1.89737419	0.513798759	0.42278719	2.0686115	1.00085925	1.82226024	0.970354259
0.73457743	1.81251393	1.672564511	-0.29286247	1.87468605	-0.06653511	0.05509477	1.456686515
1.98221856	2.54909449	2.091915426	2.47909427	1.99419402	2.20808255	2.06959251	2.35007241
1.47593667	1.47218027	1.651331021	1.38506596	2.3930412	1.15655543	1.43160568	1.749453461

Part 8

GSE68607_ GSM1677016_ Treat	GSE68607_ GSM1677017_ Treat	GSE68607_ GSM1677018_ Treat	GSE68607_ GSM1677019_ Treat	GSE68607_ GSM1677020_ Treat	GSE68607_ GSM1677021_ Treat	GSE68607_ GSM1677022_ Treat	GSE68607_ GSM1677023_ Treat
3.44782762	3.83832104	3.378943614	3.92000174	3.9480877	3.447827621	3.82285905	3.90545963
1.66907497	1.42998621	1.746812987	-0.538425244	0.18012384	1.103874618	1.58959268	1.54764842
2.30751901	2.28994524	1.284771299	1.444340929	1.16614185	2.130711591	2.10549527	1.89933419
1.01095757	1.94688139	2.054221359	1.235648253	1.09576138	1.895786124	2.29865786	1.60200716
2.02883599	1.6455495	1.93781028	1.260624038	-0.07777607	2.361590594	1.59000916	2.12782484
0.97660732	0.94142749	0.811903535	1.290562822	0.42296697	0.150537615	0.84208754	0.64983922
2.93593429	3.47870947	3.32767811	3.587988188	3.85005114	3.182253746	2.97554471	3.93482036
0.72641092	2.01569073	2.064766654	0.652824393	1.85584443	1.701802385	0.35964199	2.05703015
1.69945861	1.52820275	1.814505451	0.804291897	1.97773636	1.140813328	1.62284959	1.25282058
3.60358362	3.42935364	3.28451155	3.291276405	3.26172513	3.468331566	2.44142107	3.07724743
3.7648238	2.31708757	3.673170984	3.417947133	3.31568599	3.22210212	3.16871684	3.3408379
2.13006427	2.2774929	2.208094668	2.238796114	2.39900329	2.062532551	2.22133518	1.96695553
1.51164137	1.17557628	1.147105592	0.320668383	0.03811813	0.985572959	0.67946804	1.14039458
3.02211983	2.66771759	2.681947401	2.82398281	3.14298252	3.248597826	2.44503087	2.69126478
1.87487102	2.30826535	1.438196473	2.115036104	1.60445539	2.401154984	1.97623865	1.49052565
1.18264412	1.32690726	1.331324119	1.290181088	1.00641692	1.732677213	0.96766423	1.01104277
3.12368819	3.63715676	3.40149593	3.542275791	4.18524307	3.396335669	3.9570577	3.59734001
0.28702121	0.45308352	0.943120266	1.020076514	1.39502306	0.456557379	1.09400187	0.6239954
0.86063904	1.31242036	1.29575892	1.71750025	1.48356545	1.876650467	1.50389199	1.67534696
1.23246673	1.74197973	0.947833479	1.676464079	1.37771873	1.333546737	1.70090603	1.26118817
0.61656411	0.58029773	-0.098648128	0.286419872	0.85293407	0.686433449	1.16324291	0.69916423
2.61502489	2.47728221	2.358864273	2.512373656	2.43797671	2.671023484	2.60131058	2.75867536
1.28334352	1.14930566	0.212536153	0.214054413	2.06479804	0.287771976	2.32650315	1.92759107
0.35672919	1.28251791	1.549125757	0.818908124	0.69248251	1.292955072	1.53131049	0.65342956
1.59948839	2.10207858	1.794497881	2.185596405	2.12634029	1.925055747	2.38314435	1.24494911
2.23394594	2.25085201	1.699321209	1.846912684	2.23488989	1.836304633	1.5786341	2.17754983
2.17171943	2.00956487	2.311182869	0.924218012	0.95744806	2.282696661	2.05723956	2.17171943
1.93193326	1.8080808	2.246022605	0.067051873	1.1936816	2.132424531	1.78029436	1.6385087
2.07235177	1.78243545	1.740300482	2.031486846	1.98762359	1.509926306	2.11042561	1.97265899
0.88033204	1.11141559	0.658407299	1.531861316	0.85292574	0.654096682	1.8529222	0.8970444
1.15751382	0.74268018	0.786526744	0.756101299	1.25702531	1.070186501	1.67287865	1.0420393
2.80729328	1.90933129	1.222992211	1.904771824	2.54341951	1.202938818	2.03942999	2.03364242
0.51048983	0.93457296	0.728832584	0.290360232	0.73357795	0.045598448	0.68456074	0.53161489
0.2094011	0.53630204	0.898381275	0.960435167	0.39071155	0.806840721	0.24850366	0.92877199
0.69652318	0.58143649	1.439429348	1.899798481	1.54920107	1.160344051	0.8894394	0.94336363
0.87262133	-0.49931513	0.288000562	1.357503797	1.27230178	0.330662297	-0.18822996	0.16511395
3.37679372	2.76984569	3.103686203	3.088043445	3.07298492	3.115617814	2.81397632	3.1693414
1.94600463	1.90452652	2.090062339	2.105212788	1.62292225	1.600678586	1.9759716	2.04248432
1.80344454	1.74187734	1.740823867	1.356607533	0.75149222	1.826758064	1.77847036	1.95065114
1.39073669	0.90506027	2.211039696	1.345857545	2.27247083	2.785092748	1.16108137	2.37198945
2.07726485	1.76121293	2.281860765	2.215647306	2.32305507	2.362788344	2.04299709	2.01704756
0.72217819	-1.49964931	1.03688496	1.456125174	1.49826191	-0.154973934	-1.46307626	1.34040442
2.19668259	1.83492516	2.436417275	2.350523646	2.51201422	2.237109417	2.40670264	2.16962892
2.68799316	2.54930501	2.49587635	2.822594458	2.65765779	2.402363091	2.5846454	2.76752844
1.76166701	0.92008693	1.478401258	1.466586907	0.76544502	0.584039867	0.87001696	0.64666114
4.23084623	4.05884407	4.40460155	4.510769291	4.83169376	4.417679533	3.97383999	4.45484265
1.65352547	1.52566764	1.962572038	1.130128282	0.19180579	1.362483648	0.79050239	2.1046298
2.59644726	1.77044188	1.934489257	2.005570725	1.50243515	1.889798384	2.60026333	1.13016191
1.82524976	0.30416083	1.538119478	1.659008053	0.4221147	0.368467308	1.59305443	1.94933819
1.26494195	1.79564351	1.881164574	1.84513378	1.96995745	1.853344107	1.98183963	1.96636993
1.91119492	2.33188083	1.849208446	1.460132677	1.86102265	2.131141696	2.68699804	2.17345529
1.92949803	1.32981432	2.282521017	1.546475589	2.01337572	2.004246693	1.02095544	1.41791861

Part 9

GSE68607_ GSM1677024_ Treat	GSE68607_ GSM1677025_ Treat	GSE68607_ GSM1677026_ Treat	GSE68607_ GSM1677027_ Treat	GSE68607_ GSM1677028_ Treat	GSE68607_ GSM1677029_ Treat	GSE68607_ GSM1677030_ Treat	GSE68607_ GSM1677031_ Treat
3.5428312	3.4910377	3.34642969	3.405064676	3.727450188	3.42164265	3.773186	3.11236715
0.99843272	1.58699775	1.46018694	1.162863463	-0.433704798	1.27581223	1.529462	1.14940428
1.34789173	2.21771894	2.24411898	2.356665722	0.713311262	2.78568023	1.640097	2.4566183
1.96000396	2.10984346	2.26908556	1.58540577	1.261211417	1.78806985	1.923235	1.67057256
-0.85946939	2.41951404	0.69205497	2.516172964	2.191297762	1.43510525	2.325295	2.4882952
0.83696969	1.10393276	0.18103119	0.866008949	0.422966969	1.0470974	1.118914	0.08879114
2.63145203	3.2645744	3.15715884	3.370889751	3.319591583	2.59118105	3.374297	2.94688399
1.36848628	1.54416646	0.98702844	1.684508007	1.959451398	1.38403677	0.9356722	2.21378635
1.53650879	1.05638721	0.99140503	1.311616346	1.505667104	1.61132591	1.559335	1.27511764
3.27470603	3.98489818	3.51719515	2.819894791	3.489625467	3.82158169	3.172588	2.99581568
3.71868054	2.42215266	3.31860459	3.671266558	3.012858109	2.98590001	2.878252	3.80073703
2.1311783	1.85128556	2.09484847	2.21350045	1.935938045	2.17702599	2.071372	1.62552855
1.84808376	0.40480083	1.12687357	1.58491531	0.909147625	1.07877542	-0.06011843	1.47301328
2.80755495	3.3298974	3.10631087	3.207553299	2.788148075	3.05334359	3.297831	3.28292762
1.28903937	1.22473726	1.18324962	2.313509117	1.986296087	1.38259964	1.498405	1.25860994
1.39227768	1.38630094	2.24463993	1.648659072	-0.05200015	1.82636418	1.553793	1.24600748
2.60061621	3.48124345	3.44415216	3.297229568	2.859723069	2.37754041	3.444152	2.41583929
1.22259076	0.58138369	0.48646344	0.238043158	-0.171350386	0.77457777	0.7566871	0.6418317
1.44431188	-0.0419481	0.61678972	0.859090722	1.537476718	0.07431612	1.008199	0.88464124
1.25037044	0.97070128	1.54999772	1.537476886	1.508264979	1.76147557	1.516653	1.17195682
1.00565926	0.27172773	0.36833963	-0.392672226	-0.352806925	0.08647376	0.1663135	0.06171296
2.59323008	2.71374815	2.39681609	2.798978234	1.843618481	2.63138007	2.718505	2.28992625
2.58456121	2.36905959	2.51421525	2.327637307	1.83228345	2.69395404	2.481742	2.48161271
0.42726583	1.06583059	-0.66379021	0.671902854	1.153492198	1.41717052	0.7618752	-0.64166947
2.29873727	2.25470184	1.72093098	1.927771957	1.844044475	1.73062296	0.737565	2.11851597
2.06459942	2.5242618	2.6159429	2.439902016	2.129819888	2.3514994	2.016482	2.23857242
0.64406617	1.78866438	1.5923442	1.461667556	1.901421123	1.18628938	2.057809	2.48377831
1.44155253	1.58250228	-0.65576434	2.121844868	1.580602685	1.51207592	2.137968	0.81733891
1.87909283	1.75311575	1.57571205	1.66507284	2.206881712	1.54509669	2.076104	1.42098858
1.75560765	0.68972982	0.95838642	1.003083983	1.69850306	1.55400582	0.9228127	0.58514295
0.73078383	0.4102243	0.72291827	0.854210971	0.953261635	0.66604154	1.230131	0.30158289
1.42488101	2.42901295	0.9751039	1.536512122	2.313837356	2.16319479	2.353671	1.74508336
0.3540614	0.59448469	-0.04652797	1.127615853	1.112222891	0.42407929	0.9519683	0.22996366
0.86974783	0.51975295	-0.09959515	0.492526095	1.071173837	0.53067251	0.2329608	-0.27487802
0.98335307	0.9153949	1.39493729	0.375990535	1.387913581	0.73163355	0.896498	0.5050372
1.15670942	0.85479552	0.07672915	0.671762027	1.450367549	0.2459205	0.2831737	0.65179729
2.88578622	2.93031895	2.40936032	2.697580699	3.353527423	3.39936042	3.279737	3.34675685
0.20867706	1.54563835	-0.1225222	1.48731479	2.188273112	1.61148794	1.936159	1.49284971
-1.03077968	1.83842068	1.18318907	2.008899592	1.970830224	1.61944676	2.002155	0.36887371
2.30334233	2.51083533	1.10334749	1.94782584	1.390986301	2.81256747	2.487268	2.09799805
1.67643632	2.07888458	1.5769558	1.849280981	2.421386639	2.1872257	2.166234	1.9533326
0.87701581	0.32314549	1.8473131	-0.60336968	1.292280584	-0.49992962	1.185552	-0.23540645
2.12499558	2.12733342	1.75329986	1.822945677	2.685036036	2.08973427	2.508069	1.81628795
2.31293018	2.47915544	2.4004217	2.439980786	2.569138555	2.285604	2.486292	2.1606613
1.28568102	1.58189167	1.40432131	0.954615349	1.160451611	1.28029556	1.612924	1.67334821
3.20448086	4.51076929	3.60352484	4.364236828	3.524992936	3.92642142	4.555686	4.36423683
1.96474457	0.48535266	1.11566878	0.881200832	-1.041115378	1.95802954	1.938799	0.65882516
2.01483884	1.38627395	1.79688364	2.094785611	0.960810684	1.85041718	2.171351	1.55724185
1.90017644	1.88954702	1.88337944	0.2712593	1.851202804	0.35001731	1.702245	1.05780671
1.74080917	-0.0784107	-0.17627982	1.771703618	0.046640235	0.0001613	1.626225	-0.15489332
2.58286034	2.38270119	2.44421272	2.440437714	1.219317984	2.66056877	2.60285	2.51302015
2.15489024	0.91901169	2.14507797	1.915556285	2.309253433	1.28009898	2.142868	1.40347118

Part 10

GSE68607_ GSM1677032_ Treat	GSE68607_ GSM1677033_ Treat	GSE68607_ GSM1677034_ Treat	GSE68607_ GSM1677035_ Treat	GSE68607_ GSM1677036_ Treat	GSE68607_ GSM1677037_ Treat	GSE68607_ GSM1677038_ Treat	GSE68607_ GSM1677039_ Treat
3.513903931	3.700758466	3.98059831	3.61219366	3.4612676	3.80354393	3.15933326	3.397629417
1.779361224	1.237772736	1.36143278	-0.59042792	1.376489015	1.34764625	1.16618304	1.635755932
2.855549697	2.512771255	1.34517194	1.09432888	2.350796234	1.89922021	1.20000018	1.589015448
0.741238331	0.943134828	1.70250284	2.44575374	2.241555052	1.45820297	2.23450295	1.745576332
2.157261301	-0.777808938	-1.29712357	2.09032539	0.899852052	1.22832919	2.06051665	2.211173246
0.364538073	0.557796045	1.39921813	0.34170174	0.752780379	0.18057473	0.9090993	0.231358894
3.128979795	3.207223141	2.91352267	3.35248943	3.427763359	3.00583591	3.54683869	3.544541842
1.084913841	1.717667307	0.56203781	1.74942348	2.117063047	1.45570523	2.18847908	2.014739609
2.303047246	1.828138426	2.44228555	1.57665168	1.040660047	2.30261352	0.81892562	1.331622172
3.415581278	3.120768714	2.87606585	3.22231905	3.444671637	3.25558483	3.30740117	3.415581278
3.518465934	3.101019187	2.51289598	3.34465769	3.703639591	2.64724147	2.3165402	3.31255324
2.554184066	2.092574313	2.4235022	2.02011728	1.818496384	2.31781142	1.97658748	2.180318888
0.901685992	1.027107806	0.01842574	0.62852523	1.145122883	1.0110498	1.68184471	1.862327955
2.969069735	3.025110804	2.7421831	2.13382216	3.465437049	3.23444398	2.74951609	3.377855338
1.767107273	1.534271448	1.69359973	1.60125608	1.264085319	2.24977204	1.18104066	1.155095638
1.57918535	1.66036612	1.32907734	1.36210217	2.56235083	1.37230809	1.08777726	2.45128041
2.689475662	3.136996627	3.43869609	3.33964384	3.444152158	3.34720877	3.40458569	3.096627121
0.138775045	0.953098368	1.03844483	0.41246608	-0.138249017	0.65796094	0.13112979	0.73193351
0.955159872	1.007205237	1.59720609	1.09185843	0.875714423	0.54021967	0.30763135	0.822279844
1.343771667	1.627778712	1.58051934	1.25436105	0.443185018	1.37583814	0.53022614	1.379075296
0.394617419	0.508753564	-0.18848111	0.58029773	0.631791355	0.47638308	0.65722068	0.529686064
2.581785962	2.718348389	2.55370437	2.15584845	2.431844721	2.61748137	2.02817631	2.57468355
2.130266364	2.41768466	0.45361655	1.56898889	2.556923145	2.36743143	-0.22043587	2.067094652
0.886365933	0.282170727	0.5552126	1.39590283	-0.37380594	-0.04081822	0.53595171	0.924295697
0.403373452	0.831987027	1.59727687	1.21969654	2.049071431	2.04892253	1.96657945	0.371956515
1.714800868	2.382082096	2.05178646	1.7818939	2.370346475	2.52338338	2.12335139	1.839317441
2.518060631	1.847383076	-0.18431489	2.04958372	1.040616504	1.41429311	2.49059537	1.811620128
2.071576244	0.956977428	0.75893396	2.16325759	1.954577479	2.00256816	1.89903983	2.209886292
1.900380309	1.976261961	2.34320635	2.05448946	1.338665893	1.75613499	1.50953291	1.512147357
0.519438974	1.651746389	0.8606933	0.62458577	0.580476521	1.35904729	0.77170029	0.534411686
1.202263241	0.710893579	1.29175667	0.81850599	0.435803201	0.97285393	0.49640409	1.244303322
2.322834244	1.989303039	2.35837192	1.59832988	1.705942777	2.31035112	1.56237422	1.98123272
1.648192189	-0.10165017	1.19176522	0.80845137	0.276020821	0.63806593	0.1011141	0.099690677
0.668265113	-0.179354733	0.88379517	0.3724026	0.512601359	0.38867072	0.69955502	0.558262184
0.371659024	0.422668998	1.36462233	0.75552504	1.236496178	0.43746057	0.44456234	0.963105305
0.76319846	0.253022021	1.0416258	1.1758036	-0.40979285	-0.18585902	0.51016219	-0.562342807
3.465105152	2.840778806	2.73844046	2.99549714	2.638747412	2.67751732	2.69821462	2.729564214
1.855872336	1.869988374	2.1616072	0.31022518	1.371183	1.74240858	1.09732222	-0.077786723
1.469385041	1.628342903	2.12627003	1.87990946	-1.150558742	1.95803385	1.949121	-0.975367945
2.217055188	2.408048013	1.79686634	1.59371346	1.400933075	2.17656518	2.47076638	2.483548966
1.790474813	2.148117608	2.35450059	2.40445895	1.525426524	1.89542443	1.84081867	2.053460177
1.122433867	-0.651001155	1.81291783	0.69492306	2.503687742	-1.42232483	2.43833111	-0.26050563
1.813856411	2.224682268	2.58791026	2.31659239	1.524736636	1.92498986	1.91203836	2.130274225
2.573068417	2.491975599	2.76187926	2.75298628	2.360049936	2.53658836	2.47791677	2.312066307
1.744231311	1.120115421	1.43021358	0.84680122	1.842458147	1.21636574	0.59640899	0.2889492
3.915506884	3.962079491	3.7033756	3.82613507	4.431041294	4.40460155	4.10438794	3.915506884
1.014332294	2.106591177	0.94853237	0.66663762	2.371454236	0.87842824	0.47738135	1.869795497
1.734170146	1.234036765	2.28563912	1.95467999	2.118116408	2.0755737	0.83209348	2.47766469
1.365335471	1.788499464	1.93065045	1.77784826	0.246791608	0.57445499	0.13819139	1.636613704
1.537447211	1.918611272	1.95091163	0.06149646	1.796363986	1.80104096	0.68840553	1.586500492
2.773271195	2.297007446	2.22504647	1.9207145	2.851208414	2.49761795	1.88132607	2.402419706
2.312543968	2.214199761	1.30270693	1.74428699	1.072890131	1.80804057	1.50146205	1.504156259

Part 11

GSE68607_ GSM1677040_ Treat	GSE68607_ GSM1677041_ Treat	GSE68607_ GSM1677042_ Treat	GSE68607_ GSM1677043_ Treat	GSE68607_ GSM1677044_ Treat	GSE68607_ GSM1677045_ Treat	GSE68607_ GSM1677046_ Treat	GSE68607_ GSM1677047_ Treat
3.90026511	3.84691779	3.66915728	3.31529095	4.22009509	3.75293339	3.4612676	4.00425002
1.5936519	-0.23704278	1.41837713	1.4213053	1.82865695	1.11930876	1.53681131	1.25194249
2.50441838	2.03039061	2.1558888	2.09602345	1.08401818	2.03648961	0.89147846	0.69478004
1.70798643	1.62720477	1.66128327	1.67229798	1.48986701	2.27330006	1.31771433	2.27158987
0.42290725	2.03733744	1.94245612	2.49421918	-1.31782286	2.39235428	1.75422235	-1.52498021
0.871611	0.82267902	-0.74697697	0.22218193	1.23563006	-0.3130456	0.45411963	1.47512089
3.16327414	3.30956948	3.37296143	3.27493508	2.93206613	3.39362801	3.72454222	2.65072291
1.29680414	2.15595874	2.10629142	1.88891538	0.6757738	1.90278195	1.67788774	1.16194911
2.24905948	1.52438787	1.51774947	1.38288683	2.45804164	1.55147556	2.09689601	2.11474209
3.52831565	3.79152183	3.21093291	3.57674461	2.4145428	3.17671068	3.31068211	3.86518438
3.55588623	3.29839557	2.94086799	3.46171498	3.07195277	3.35523429	2.98186368	3.75466214
2.32821532	2.04279199	2.01043703	2.29556689	2.81540082	2.021797	2.23502316	2.2438615
1.22686477	1.07425254	1.07815005	1.61775151	0.13481164	1.24844129	0.93863462	0.42814205
2.23323359	3.25577171	2.83192053	2.77769668	1.91074541	2.45125176	2.62960622	2.0406539
1.48056179	2.55460872	1.17620833	1.46556525	2.67432219	2.42887182	1.68055529	2.26378467
1.28156506	1.94766144	2.26558479	1.51662595	1.24835493	2.39973524	1.64704195	-0.01266003
3.22964812	3.61317379	3.77072136	3.21360866	3.49926448	3.8312062	3.87749032	1.31646535
0.92274729	0.67533561	0.13000872	0.33009491	1.60707125	0.87256054	0.79185719	1.6747715
1.00875313	1.20960542	1.68907555	1.28065469	1.88225185	1.01406691	1.11139313	1.16721963
1.52492897	1.22168402	0.97368196	1.32026247	1.52012169	1.75713639	1.50517921	1.50894068
0.70067524	0.76527922	0.77777502	0.91467006	0.54973112	1.26236589	0.56897686	0.21084293
2.57654986	2.78593963	2.57383576	2.2047077	2.25746432	2.39766622	2.23175777	2.49028202
2.40719922	2.48784679	2.38771483	1.89061556	0.58779811	2.57926014	0.14101452	0.66650802
0.6948467	1.09847515	1.05970992	1.05724886	0.78680751	1.21716895	0.43891206	0.70000992
2.06742118	2.3304874	2.0316481	2.08497566	1.22942344	1.44467414	2.18618906	2.17832351
1.38511437	2.54722031	2.29122731	1.88307482	0.0420024	2.24300238	1.29426099	1.42347842
0.66915525	1.71131314	1.70157801	2.36145844	0.31914166	1.90185092	2.08406836	-0.18731167
-0.62153455	1.97432663	0.48381899	2.21035598	1.63314428	2.01287769	2.1627257	0.02028275
2.20890354	1.8498683	1.3763461	1.73636206	2.61566446	1.8840708	1.90440582	2.50400181
0.83989492	1.08360109	0.32867953	0.55694683	1.66122163	1.54667231	0.77484593	1.0506191
1.33309309	0.80381292	0.68641577	0.32190736	1.77048989	0.98121174	0.23371071	1.76102096
1.74226683	1.77367014	1.97549284	2.16408523	2.25169339	1.82345223	1.48157007	2.10338741
0.89197585	0.13145635	0.64154349	0.1356889	1.07690122	1.30319987	0.9005276	1.52532023
0.41116866	0.45336663	0.0211718	0.32166841	0.59527998	0.21628618	-0.05301598	0.80713681
1.18672733	0.34115154	0.33704083	0.48788843	1.50502418	0.55108615	1.66157728	1.50650139
0.59565181	0.98294037	-0.62019658	0.62860204	0.40091117	0.48107802	1.36389934	0.91176317
2.88477395	3.12099645	2.67405809	2.87173364	3.59545249	2.96009438	3.32471403	2.87033708
1.79235553	1.31658329	-0.04620878	1.61130449	2.36229554	1.97273282	2.09300201	2.06598435
-0.96721006	1.54287316	1.25620963	1.6340219	-0.61179055	1.37297239	1.34635343	2.00537189
2.05625348	2.3466012	1.92823304	2.24458656	0.9268983	1.63896067	1.89101848	1.09531181
2.12599421	1.99058991	1.96944655	2.01204874	2.32167701	2.07488315	2.37316682	2.4497448
2.3684502	1.16154061	0.66134418	0.9667616	-0.72896045	0.95914648	2.60676418	0.25339052
2.4933536	2.00914467	1.96813845	2.13798916	2.57453021	2.13342012	2.15518063	2.59698633
2.64020804	2.43685758	2.45887771	2.37344942	3.10822782	2.59907875	2.73614699	2.74811099
0.36725533	1.6626662	0.82278656	0.59271757	1.22825943	0.99359678	0.57200743	1.18269378
3.28688203	4.03639085	3.61350569	3.74854922	4.31864774	4.08250986	4.37746116	2.21354232
2.30693142	1.9844131	1.1680249	2.38099644	1.58363982	1.01908841	0.55795067	0.88315978
0.75088883	2.09274807	2.38940822	2.3513406	1.52228914	1.4431124	1.75853437	1.93200725
1.89891116	0.35001731	1.62482231	1.85767287	1.96526248	1.73915954	1.76063588	1.98884539
1.97833869	1.92145638	1.50097219	-0.08091943	1.98376772	1.96225241	1.52704149	1.80613925
2.49116643	2.29700745	2.64992835	2.41860231	2.34634922	2.39852463	1.99173273	2.37410213
1.58471254	1.92909225	1.07460758	1.65656322	0.30908313	0.65616121	2.42181354	1.84838377

Part 12

GSE68607_ GSM1677048_ Treat	GSE68607_ GSM1677049_ Treat	GSE68607_ GSM1677050_ Treat	GSE68607_ GSM1677051_ Treat	GSE68607_ GSM1677052_ Treat	GSE68607_ GSM1677053_ Treat	GSE68607_ GSM1677054_ Treat	GSE68607_ GSM1677055_ Treat
3.555252468	3.90273337	3.6259733023	3.41221229	3.48654123	2.96837531	3.580937954	3.120683516
1.310308303	-0.5480407	1.4574710978	-0.79731884	1.63975887	1.06197352	0.266174913	0.745880664
2.039470545	2.38701849	1.7658778401	2.72196069	1.06435803	2.02753505	0.904460727	2.420748902
2.34871552	1.92631838	1.566076713	0.72968972	1.91162349	1.61340939	2.297462953	2.496615709
2.28978249	-0.91125376	-0.5313278636	-0.18774128	-1.00972254	2.45634216	2.087007796	2.084299727
0.806453985	0.52646527	-0.016710213	0.66330583	1.21260657	0.66354888	0.795687497	0.72878647
3.513246503	2.97746542	3.7741929318	3.20779923	2.7974437	3.2263551	3.373634079	3.366753899
2.079557383	1.28684908	2.2755495875	2.18376165	0.93299628	2.28786591	1.843427835	2.11828729
1.444646286	2.34980177	1.5272601026	1.92119967	1.57504731	0.50243682	1.943060609	0.68133822
3.665593056	3.44096847	3.2204361493	3.31286007	2.87509546	3.63946114	2.769205444	3.242624179
3.409939404	3.33605697	3.4682272569	3.76763591	3.71124246	3.78287527	3.448494675	2.410887887
2.00938411	2.34916602	2.2400440146	2.02897183	2.21425081	1.89598328	2.557298831	2.180707217
1.749201777	1.00487163	0.8512902789	1.18169784	1.29205547	2.1379129	1.137410955	2.118991558
2.615337698	2.54404127	2.6255130749	3.18187489	2.48309317	3.50409101	3.314381697	2.972609274
2.542805579	2.30551639	2.7265645985	1.3505133	1.50619555	1.46471451	1.48491659	1.002428065
1.800077438	1.97162915	1.5543964248	2.00851126	0.85809027	1.42971773	0.575982834	1.566023779
3.544984554	3.28790828	3.7927534076	3.33503957	2.56910412	2.86139046	3.227473222	3.422421419
0.697930684	0.89036927	0.1140554311	0.34988556	1.12876452	0.46876589	0.044664667	0.62202917
0.511700476	1.27115681	1.8575968677	1.41173586	0.77403397	-0.07213017	0.508197991	0.396630366
1.184146562	1.41632045	1.0551029465	0.30410574	1.17626984	1.03433967	1.08854856	0.835413891
1.0371942	0.62422671	1.0077727245	0.26147299	0.19217198	0.45067372	0.98856552	0.679259817
2.001956674	2.35552685	2.1730305048	2.48309958	2.80995932	2.6724531	2.044366525	2.720509966
1.876639312	2.46316707	2.2183925252	2.65043607	2.15791929	2.59314865	2.398356822	2.302945461
0.345187258	1.44182037	0.989324197	0.71304809	0.92952541	0.85457619	0.082220445	0.66122678
2.071831924	2.13453574	2.268060791	1.94494024	2.09171757	2.25547573	2.099408155	1.709797265
1.519419927	1.83944877	1.5375893495	2.45435686	2.04193337	2.77339948	2.630022596	2.627349557
2.494797409	0.3234971	2.3411484122	1.40363149	-0.20150707	1.90213795	2.296927585	1.929009943
2.557500189	1.62373157	1.7272350944	1.24885704	0.5697215	2.07701178	1.606914902	2.253976696
1.599799062	1.84828502	1.4349187875	1.26159856	2.29731408	1.32571945	1.316756726	1.232334352
1.608797182	1.65493318	1.2950573081	1.1189868	1.16680174	-0.21165173	0.938973364	1.252880293
0.684152976	0.5907236	0.6887314537	0.70556469	0.84253971	0.25086888	0.437775947	0.622309885
1.21708388	1.58440904	1.898538043	1.01817375	1.53064984	2.0984457	1.555396771	1.820806098
0.882894299	0.39453147	0.2574697699	0.60905106	0.55702003	-0.08518538	-0.031177358	-0.201675379
-0.102267938	0.38665691	0.8384974522	0.20570763	0.41743498	0.33846973	0.767091096	0.563642458
0.521723341	1.13808048	0.5952822153	0.30568876	1.27265058	0.39446968	0.299109448	0.959449447
-0.672663631	0.38613054	-0.0213760497	0.06144822	0.32533974	0.26205278	0.183206209	0.34149327
2.504885266	2.9404683	2.9144241587	2.74654441	2.5413577	2.7046019	2.546158967	2.289687455
1.636075671	2.03984453	-0.0969398952	1.70194513	1.96823786	-0.17413493	1.336039796	1.194919115
-0.237439237	1.88849231	1.4635243033	1.65338372	1.82993383	1.12430612	-1.275298602	0.985988506
0.554651554	0.93792039	2.2130598214	2.28373736	1.68763869	2.14065466	2.341453035	2.674724228
2.213603925	1.92897704	2.0243584224	1.60630336	1.97864591	2.00144645	1.627546871	1.799806001
-0.170229268	-0.77869983	0.39665656	2.17636342	1.8343804	2.2477358	0.553538188	1.571148595
1.999153491	2.43343344	2.1190343387	1.63702483	2.09329903	1.48927914	2.129662883	1.792764199
2.485639136	2.54900425	2.497764558	2.32331987	2.55146922	2.18730229	2.482292263	2.054043757
0.467385805	0.95838916	0.3836127602	1.39266499	1.25771439	1.51879622	0.912495399	1.448043458
3.675094498	3.62358455	4.3294370735	4.41767953	2.93408064	4.51076929	4.158231166	3.803450205
2.037080157	2.13246652	2.4918202552	0.93639629	1.08580252	1.03622637	1.696825163	1.090671289
1.54918887	0.92872827	2.0315245023	2.00857645	2.36244487	1.1539582	2.63563913	1.569291325
1.460368472	1.06125953	0.3619240489	0.95083333	1.87881419	0.21157948	0.21722973	0.211579484
0.160453254	1.94804633	1.9031783373	1.77996896	0.92663076	1.48288712	1.867962995	0.638303271
2.436579292	2.64843272	2.4109103621	2.43453389	2.75281113	2.62079136	2.301032003	2.581042173
1.696528282	1.12935097	1.7143221491	1.072007	1.58084942	0.55995233	1.615374157	1.470364045

Part 13

GSE68607_ GSM1677056_ Treat	GSE68607_ GSM1677057_ Treat	GSE68607_ GSM1677058_ Treat	GSE68607_ GSM1677059_ Treat	GSE68607_ GSM1677060_ Treat	GSE68607_ GSM1677061_ Treat	GSE68607_ GSM1677062_ Treat	GSE68607_ GSM1677063_ Treat
3.84034914	3.67503833	2.95813825	3.743864241	3.1980731807	2.93971594	3.67322139	4.05814706
1.50078617	0.80062786	1.30090767	-0.447291201	1.3683125042	0.83233973	1.18439937	0.78175453
2.44706224	2.40301085	2.39627543	2.378720332	2.8624862181	2.88174658	0.22747235	1.40072889
2.38157029	2.46709391	0.31440328	1.237220458	0.9790528371	1.8276902	0.72320566	1.29920413
2.4477947	1.83419088	2.32617553	2.349605136	2.4703792278	2.56362085	2.02154084	1.91725507
0.11529325	0.71929634	0.85192422	1.138748344	0.7024380807	0.75297913	0.52954608	1.00453973
3.51451669	3.81119777	3.24433193	2.837607244	3.0029869497	3.06740894	3.02284023	2.940267
1.54001365	1.97823728	2.38887189	0.566617767	2.0224578474	1.70649835	1.49944048	1.41807325
1.72954034	1.3982055	1.28800587	2.794027534	1.5085099276	0.590844	1.14686283	2.7220424
3.58853977	3.19035054	3.52613491	3.049471309	2.9265130799	3.80023774	2.82209971	3.10782479
2.95009615	3.61776545	3.64016931	3.16882222	3.4591301747	3.50642778	3.3872816	3.21641286
2.42150805	1.98010695	1.68601768	1.998107151	2.0954636484	1.7977133	2.05714857	2.30204991
0.72245305	1.01448589	2.21893804	0.662522909	1.6797248555	2.68661983	0.74036616	0.55517151
3.53918171	3.0472214	2.89777301	2.820540528	3.3885250192	3.01373153	2.21054291	2.38191086
1.31880225	1.15532397	2.45463684	1.737253674	2.2435179129	2.02137957	1.54681723	2.08062284
1.90586044	2.02313946	2.48883542	0.425808445	2.078986427	2.47005435	1.13312364	0.07184359
3.70047063	3.64346851	3.24333244	2.656937327	2.5527707307	2.672298	3.29253085	2.43954887
0.88710875	0.28113625	0.27611172	0.298562218	0.5688943695	0.05629887	0.7911924	0.69078754
0.72282963	0.94988524	0.36945005	1.555923337	0.0009624691	-0.32493008	1.3610089	2.2487118
1.48725297	1.51021277	-0.10874115	1.599276447	1.5354255695	0.81768882	1.59630984	1.90061312
0.18089822	0.58873739	1.18618799	-0.608825769	0.2698521895	0.50766305	0.19671192	0.12609066
2.57710343	3.04426025	2.44752446	2.560418826	2.7377834726	2.57383576	1.93373297	2.46607693
2.50095585	2.73575843	2.79712014	2.091832036	2.4831561574	2.73094481	0.8843616	1.77466197
1.18510094	0.42584909	0.49191837	0.588400067	0.3480148696	0.582592	-0.22641326	1.76119638
1.8483498	2.30507852	1.9113954	2.120980703	1.9126909811	2.16456555	2.26674992	2.14950642
2.28660242	2.30125606	2.29661115	1.944908575	2.5108401923	2.56496944	1.49419397	1.91850032
2.30666847	1.37927276	1.45869435	1.178916773	1.4944962009	2.31435438	1.29275884	1.47185869
1.68311113	1.46579347	2.21956116	1.615507819	2.1951618478	2.13927899	1.66279325	1.2928043
1.81925427	1.52758664	1.42831489	2.240014789	1.4933477462	1.25146669	2.28890023	2.44738611
0.77095776	0.66786857	0.52538724	1.750147403	1.2359044877	0.99936699	1.60226919	1.92011106
1.05478638	0.84378725	0.47895287	1.11103697	0.6094122834	0.86789205	0.77524121	1.05706926
2.31720083	2.29338748	1.02945144	2.245424384	2.2077720704	1.40997484	1.38964736	2.33746811
1.11338732	-0.0807918	0.19806301	0.544465246	0.8267708477	0.13707144	1.01292759	1.38252164
-0.11489867	0.22116577	0.28506895	0.943403161	0.2303147651	0.15130437	0.56744721	1.06866331
0.38731733	0.48966204	0.91495095	1.029948985	0.171606873	0.58325099	1.5658356	1.0503101
0.53037094	-0.67266363	0.77871296	1.121017825	-0.162296082	0.24832177	1.49759854	1.1892314
3.09543238	2.8125792	2.86901145	3.298970132	2.9340995948	2.58848687	2.75593315	3.88542427
0.1817767	-0.03131864	1.27963002	2.168053509	-0.1289592959	1.55591226	2.02574719	2.19067373
1.86428117	2.09101112	1.69828555	-0.185780911	-0.34935335	1.58746821	-0.15628717	1.82214122
2.6298928	2.58790835	1.61058633	1.953514183	2.209084882	1.35827274	1.33641727	1.32363943
2.16785676	1.95987045	1.67284511	2.484840677	1.7052500127	1.87203155	2.36845708	2.19844573
-1.35497668	1.80292775	2.20550401	2.090702754	-0.5889308908	2.36124336	1.98749027	1.86850496
2.24721958	1.97477093	1.76102367	2.39007917	1.4892791405	1.48351061	2.26370034	2.61363953
2.56173971	2.58717251	2.24193506	2.704564716	2.161946906	2.19584354	2.681488	2.80654143
1.31279853	1.64635896	1.04305002	1.476564427	1.9833137564	1.56812832	1.23184015	1.12714916
5.01015214	4.83169376	3.64555873	3.87168938	4.4945123015	3.4530416	4.17063593	3.6750945
2.29868373	1.16562832	2.29087942	1.150450453	2.3162970316	2.39373066	0.48444231	0.36343896
1.30180607	1.33736926	2.22864858	1.490604726	2.4075519288	1.72069516	1.25261568	1.48391854
0.46993596	1.32873622	1.89750368	1.75556388	1.2738588702	0.77230919	1.79311069	1.81247051
1.93934351	1.91706492	1.21033333	0.490571419	1.8317558225	1.47299976	-0.02587187	1.92570397
2.5332891	2.68198018	2.66519027	2.003030213	2.8843106167	2.70835658	1.86035833	2.15022471
1.27552662	1.07773273	2.23165522	2.299003822	0.5456301482	1.69041667	1.37528606	1.73635242

Part 14

GSE68607_ GSM1677064_ Treat	GSE68607_ GSM1677065_ Treat	GSE68607_ GSM1677066_ Treat	GSE68607_ GSM1677067_ Treat	GSE68607_ GSM1677068_ Treat	GSE68607_ GSM1677069_ Treat
3.92000174	3.37038	3.37165097	3.182017243	3.33650842	3.609035
0.89793337	0.4706195	1.05100868	1.325629385	-0.36499893	0.4776685
1.79917375	2.136161	2.55231183	2.46232494	2.23027359	2.260847
0.76140221	0.3905672	1.56872775	2.326688738	0.63618139	1.706051
1.05507927	0.04657607	2.45868919	2.31835211	2.56587374	2.432193
0.61260264	0.3315705	0.85504519	0.730073788	0.67525059	1.067339
2.86589632	3.130919	3.1924187	3.008709879	2.92467877	3.309569
1.84022806	2.259263	2.39797986	2.374601407	2.2541485	2.23939
2.13644665	1.047272	1.47908356	0.512028849	1.69945861	1.552772
2.89158241	3.22285	3.33420865	3.570437655	3.55089889	2.876066
3.27156361	3.521082	2.33422975	3.658819504	3.51846593	2.800265
2.22075241	1.531074	2.15627058	1.854004484	1.72237024	1.811537
1.18790274	1.342855	1.31639449	2.069692662	1.88447877	1.103601
2.59135939	3.72085	3.50514397	3.080504379	3.41000274	3.410494
1.34098924	1.730269	1.93941038	1.101942925	0.97042084	1.309334
0.45846849	2.019472	2.31770233	2.285298283	1.42840529	1.064886
3.08486113	2.526745	3.08084758	3.207478509	2.80736189	2.250312
0.72816613	0.4246442	-0.17008707	0.365608144	-0.68517146	-0.7973082
1.68666578	1.532942	0.96932336	1.258907418	1.32488223	1.239889
1.4401764	0.774642	1.5230709	1.686724065	0.96078062	1.669551
-0.57386932	0.5087536	0.15883625	0.793885545	0.22347614	0.1166441
2.42847762	2.712027	2.68484372	2.354925802	2.2721177	2.238957
2.29572236	2.770901	2.16441228	2.400524995	2.36154619	2.282273
0.91812123	0.6480599	0.8260918	0.07002577	0.45169945	0.5414776
1.92458244	2.067591	1.4089758	1.825383666	1.73560019	0.4561491
1.76634281	2.784286	2.68152386	2.523672096	2.60023962	1.753005
2.09711394	0.910119	1.54959574	2.22116213	1.89538375	1.651458
1.51750941	-0.03860226	1.83944685	2.053793743	1.82818156	1.870807
2.07694842	1.137106	1.13880714	1.117119895	1.5450967	1.695671
0.8104152	0.5883373	1.15638806	0.999796381	0.78945937	0.7008964
0.9304466	0.1861741	0.42980748	0.408734371	0.66263181	0.6924625
2.45269837	1.392989	1.83270197	1.490254429	1.65069449	1.843283
0.99706353	0.8479015	0.6809321	0.276020821	0.50261051	0.9162164
0.73680979	0.6515458	0.29819414	0.684235799	1.07317088	1.108477
0.79154226	1.420659	0.37318644	0.436922838	0.58902364	0.8528799
0.79433901	0.6264242	0.77189702	-0.234810266	0.91760494	1.102281
3.08971083	2.565683	3.22192625	3.001824998	4.06612462	3.243339
1.79903668	1.733825	1.17850747	1.452043821	1.74204637	0.7203447
1.88048615	1.664912	2.06714622	1.604670675	1.91938942	1.858397
2.13266712	2.127166	1.6772494	0.757639866	2.20580446	1.807693
2.08345726	1.564986	1.80884576	1.89008427	1.9214242	2.4402
2.15160304	2.949805	0.32030249	0.665871014	0.74956537	2.781454
2.25743563	1.669749	1.69009579	1.849051556	1.92311267	2.05035
2.72830993	2.150977	2.35152591	2.236196793	2.44643801	2.471755
1.30093046	0.558798	1.35649133	1.316737702	1.78806008	0.4978943
4.20521402	3.552994	4.27904691	3.999813164	4.26870019	3.737497
1.29170622	2.296158	1.96402982	2.125240255	0.77142166	0.6392974
1.92909289	1.483249	1.54667856	1.993441484	1.10981348	1.850417
0.35988267	0.1982784	0.86949863	1.129549491	1.4914543	1.66339
1.86619507	1.800236	1.56404203	0.698900953	1.43989571	-0.1221217
2.47032946	2.930732	2.19380886	1.96619019	2.28055922	1.708504
1.16413446	2.506373	1.87695152	1.43684619	1.87931501	2.480873

Supplementary Table 7

Part 1

id	B cells naive	B cells memory	Plasma cells	T cells CD8	T cells CD4 naive	T cells CD4 memory resting	T cells CD4 memory activated
GSE41414_GSM102828_Control	0.0267841494740108	0.00831088091588578	0.141240023568265	0	0.0989059354962059	0	0
GSE41414_GSM102829_Control	0.0675986097060479	0	0.169197137598118	0	0.0574758730647117	0	0
GSE41414_GSM102830_Control	0.0261325391206332	0.000932629163955198	0.0985606340918271	0.00582521410793263	0.124273843415908	0	0
GSE41414_GSM102831_Control	0.00626080607967108	0.0230034913744077	0.202737358951326	0	0.0799082980045534	0	0
GSE41414_GSM102832_Control	0.0413496527488484	0	0.15862953166298	0	0.133781218587662	0	0
GSE41414_GSM102833_Control	0.0360863518511919	0	0.134657117998517	0	0.0804341616206332	0	0
GSE41414_GSM102834_Control	0.00883536080707003	0.0401891901680307	0.101982935123006	0	0.110157234438889	0	0
GSE41414_GSM102835_Control	0.0428125688248821	0.00540363759234719	0.205947457495875	0	0.0918727251420706	0	0
GSE41414_GSM102836_Control	0	0.0870175133182971	0.160925153796438	0.024424171300999	0.123634072822853	0	0
GSE41414_GSM102837_Treat	0.18805534930208	0.0380843304059103	0.0244897046536828	0	0	0	0
GSE41414_GSM102838_Treat	0.0469793154429539	0	0.207351809991494	0	0.0872900437900793	0	0
GSE41414_GSM102839_Treat	0.0500718581873565	0	0.137255155507331	0	0.0540691797658564	0	0
GSE41414_GSM102840_Treat	0.0380517846182497	0	0.216270614009533	0	0.0762539072167391	0	0
GSE41414_GSM102841_Treat	0.103739872829293	0	0.141174190524386	0	0	0.00642048786392231	0
GSE41414_GSM102844_Treat	0	0.124437471301202	0	0	0.126784968611988	0	0.0103953562488322
GSE41414_GSM102845_Treat	0	0.0869357794009535	0.0643077555809291	0	0.127523153231705	0	0
GSE41414_GSM102846_Treat	0.0594589731249025	0	0.072809881597185	0	0.138450667474424	0	0
GSE41414_GSM102847_Treat	0	0.0649766893585786	0.100462751274508	0	0.138852238806166	0	0
GSE41414_GSM102849_Treat	0.102202466784726	0	0.19806785273544	0.0195542701233344	0.0245198739688733	0	0
GSE41414_GSM102852_Treat	0	0.165714542691036	0.0254238066558176	0	0.0894206316216822	0	0
GSE4595_GSM102828_Control	0.0267841494740108	0.00831088091588578	0.141240023568265	0	0.0989059354962059	0	0
GSE4595_GSM102829_Control	0.0675986097060479	0	0.169197137598118	0	0.0574758730647117	0	0
GSE4595_GSM102830_Control	0.0261325391206332	0.000932629163955198	0.0985606340918271	0.00582521410793263	0.124273843415908	0	0
GSE4595_GSM102831_Control	0.00626080607967108	0.0230034913744077	0.202737358951326	0	0.0799082980045534	0	0
GSE4595_GSM102832_Control	0.0413496527488484	0	0.15862953166298	0	0.133781218587662	0	0
GSE4595_GSM102833_Control	0.0360863518511919	0	0.134657117998517	0	0.0804341616206332	0	0
GSE4595_GSM102834_Control	0.00883536080707003	0.0401891901680307	0.101982935123006	0	0.110157234438889	0	0
GSE4595_GSM102835_Control	0.0428125688248821	0.00540363759234719	0.205947457495875	0	0.0918727251420706	0	0
GSE4595_GSM102836_Control	0	0.0870175133182971	0.160925153796438	0.024424171300999	0.123634072822853	0	0

id	B cells naive	B cells memory	Plasma cells	T cells CD8	T cells CD4 naive	T cells CD4 memory resting	T cells CD4 memory activated
GSE4595_GSM102837_Treat	0.18805534930208	0.0380843304059103	0.0244897046536828	0	0	0	0
GSE4595_GSM102838_Treat	0.0469793154429539	0	0.207351809991494	0	0.0872900437910793	0	0
GSE4595_GSM102839_Treat	0.0500718581873565	0	0.137255155507331	0	0.0540691797658564	0	0
GSE4595_GSM102840_Treat	0.0380517846182497	0	0.216270614009533	0	0.0762539072167391	0	0
GSE4595_GSM102841_Treat	0.103739872829293	0	0.141174190524386	0	0	0.00642048786392231	0
GSE4595_GSM102844_Treat	0	0.124437471301202	0	0	0.126784968611988	0	0.0103953562488322
GSE4595_GSM102845_Treat	0	0.0869357794009535	0.0643077555809291	0	0.127523153231705	0	0
GSE4595_GSM102846_Treat	0.0594589731249025	0	0.072809881597185	0	0.138450667474424	0	0
GSE4595_GSM102847_Treat	0	0.0649766893585786	0.100462751274508	0	0.138852238806166	0	0
GSE4595_GSM102849_Treat	0.102202466784726	0	0.19806785273544	0.0195542701233344	0.0245198739688733	0	0
GSE4595_GSM102852_Treat	0	0.165714542691036	0.0254238066558176	0	0.0894206316216822	0	0
GSE68607_GSM1677001_Control	0.141383019911018	0	0.156957060186639	0	0.0873532129036171	0	0
GSE68607_GSM1677002_Control	0.126245288466552	0	0.0837994827341018	0	0.0350723690723621	0	0
GSE68607_GSM1677003_Control	0	0.0373172052271836	0.191510149113877	0	0.063105084644261	0.0214085449345313	0.0949941724149475
GSE68607_GSM1677004_Control	0.0935793577970582	0	0.177764579724143	0	0.100088600459113	0	0
GSE68607_GSM1677005_Control	0.0976445508148972	0	0.0936958762265276	0	0.160715840987524	0	0
GSE68607_GSM1677006_Control	0.04203114850786	0	0.111579141193624	0	0.0803846191667144	0	0
GSE68607_GSM1677007_Control	0.0097800118437876	0	0	0	0.122473039901841	0	0
GSE68607_GSM1677008_Control	0.0776792554411915	0	0.233894662965168	0	0.0801905597108705	0	0
GSE68607_GSM1677009_Control	0.0197667265058377	0.0513262707411004	0.0443015305740444	0	0.0967382565124766	0	0
GSE68607_GSM1677010_Control	0.057454218279103	0.0426992895810771	0.107397196182712	0.0213806336419146	0	0	0
GSE68607_GSM1677011_Control	0.109544302405319	0	0.182325806241258	0	0.0366575985399777	0	0
GSE68607_GSM1677012_Control	0	0.0219132104365368	0.208442219414755	0	0.0913720713570581	0	0
GSE68607_GSM1677013_Control	0.115386402954713	0	0.152238795885637	0	0.125174705414632	0	0
GSE68607_GSM1677014_Control	0.117932926343333	0	0	0	0.140558042756032	0	0
GSE68607_GSM1677015_Control	0.0688804346158828	0	0.0519035828434924	0	0.064045799324261	0	0
GSE68607_GSM1677016_Treat	0.0310005405505013	0.0234830470879262	0.126626029422076	0	0.0879754721674292	0	0
GSE68607_GSM1677017_Treat	0.0293861344896332	0.0412939496129191	0.0678685210790753	0	0.135463733416635	0	0
GSE68607_GSM1677018_Treat	0.0210473851824319	0.0564925207748446	0.0412776639680052	0	0.117200154511853	0	0
GSE68607_GSM1677019_Treat	0	0.0701285201291405	0.0412635343150436	0	0.0740271801243407	0	0
GSE68607_GSM1677020_Treat	0.0939051989295667	0	0.0191195663515815	0	0.0855749471696124	0	0
GSE68607_GSM1677021_Treat	0.00370584093093152	0.0501609990101913	0.117098848020772	0	0.129476127040091	0	0

id	B cells naive	B cells memory	Plasma cells	T cells CD8	T cells CD4 naive	T cells CD4 memory resting	T cells CD4 memory activated
GSE68607_GSM1677022_Treat	0	0.0339618928537228	0.085898415365446	0	0.129209942310547	0	0
GSE68607_GSM1677023_Treat	0.0379560204209605	0.0189023403727781	0.0834028645454079	0	0.132889610646085	0	0.0100471009931739
GSE68607_GSM1677024_Treat	0.111093087893832	0	0.0668947280522075	0	0.0317541012775608	0	0
GSE68607_GSM1677025_Treat	0.0539001644436884	0.0251556279867559	0.0103837147233313	0	0.114127266904303	0	0
GSE68607_GSM1677026_Treat	0	0.0235090855998184	0.1507113975432	0	0.113556587165606	0	0
GSE68607_GSM1677027_Treat	0	0.0710010341545351	0.090054272699903	0	0.0959102107765012	0	0
GSE68607_GSM1677028_Treat	0.0958232872137169	0.0473854844267282	0.142005799563406	0	0	0.0336997033096914	0
GSE68607_GSM1677029_Treat	0	0.0774741531898825	0.0962480995532519	0	0.204102491910453	0	0
GSE68607_GSM1677030_Treat	0	0.0842634739611575	0	0	0.110738670688159	0	0
GSE68607_GSM1677031_Treat	0.164775809262207	0.000790454864905041	0.107477240710109	0	0.0449739677958999	0	0
GSE68607_GSM1677032_Treat	0.0613031412806745	0.0648141441039672	0.0433762202279443	0.0417301494918072	0.00583836518103063	0	0
GSE68607_GSM1677033_Treat	0.000517771087843784	0.00635918495692562	0.0463118604910007	0	0.0382811314944486	0	0
GSE68607_GSM1677034_Treat	0	0.0998883191791818	0.0342497914439977	0	0.138739839599179	0	0
GSE68607_GSM1677035_Treat	0	0.069220182540311	0.11215854838168	0	0.108616569281472	0	0
GSE68607_GSM1677036_Treat	0	0.0393013139213454	0.150439320424882	0.00656026895367349	0.123378986509044	0	0
GSE68607_GSM1677037_Treat	0.0514391105250727	0.0801141380921128	0.0304859396901982	0.00429577686789371	0	0	0
GSE68607_GSM1677038_Treat	0.10638853148204	0	0.128052862462987	0	0.0388518518089757	0	0.0110527957155555
GSE68607_GSM1677039_Treat	0.0339336460132868	0.0129112843852771	0.150960028572701	0	0.0623419231150386	0	0
GSE68607_GSM1677040_Treat	0	0.083590752188687	0.20266295551939	0	0.050489636173763	0	0
GSE68607_GSM1677041_Treat	0.0334866738888896	0.0211394708782826	0.0807271603144482	0	0.146251358555597	0	0
GSE68607_GSM1677042_Treat	0.0669704108636632	0	0.180694441386276	0.0186434384130425	0.0626151748245773	0	0
GSE68607_GSM1677043_Treat	0.00563487110900464	0.0396620906258175	0.241194210383886	0	0.0464283080066674	0	0
GSE68607_GSM1677044_Treat	0	0.0306784811564145	0.0657983333023272	0	0.125018069593156	0	0
GSE68607_GSM1677045_Treat	0.0255716118560637	0.00523875976385384	0.147923471993881	0	0.145561144051404	0	0
GSE68607_GSM1677046_Treat	0	0.0918139929893895	0.00746943066775276	0.00689311589738553	0.183863063743301	0	0
GSE68607_GSM1677047_Treat	0	0	0.186981356849406	0	0.0503127278648695	0	0
GSE68607_GSM1677048_Treat	0	0.0564847225706606	0.236664843636241	0	0.00211666502864313	0.0321322696877275	0
GSE68607_GSM1677049_Treat	0	0.0702459160897234	0.127349482660835	0	0.116214473787741	0	0
GSE68607_GSM1677050_Treat	0.0498359285690839	0.00745812588720217	0.222617040137351	0	0.0897563211142324	0	0
GSE68607_GSM1677051_Treat	0.0619475767299235	0.0517154710617228	0.090942826310487	0	0.109606174674475	0	0
GSE68607_GSM1677052_Treat	0.00663468269887238	0	0.184339089040911	0	0.123014581012344	0	0
GSE68607_GSM1677053_Treat	0.182032983764421	0	0.182189482484255	0	0.0917751018639052	0	0

id	B cells naive	B cells memory	Plasma cells	T cells CD8	T cells CD4 naive	T cells CD4 memory resting	T cells CD4 memory activated
GSE68607_GSM1677054_Treat	0	0.0984153456204853	0.113246112444722	0	0.104220037190366	0.00344927034327967	0
GSE68607_GSM1677055_Treat	0.0927522324890438	0.0943570036930155	0.0672965409062549	0	0	0	0
GSE68607_GSM1677056_Treat	0.0796442532424055	0	0.00800083650643588	0	0.0833272712248486	0	0
GSE68607_GSM1677057_Treat	0.0654534516564335	0.0575910569942055	0.040491783875093	0	0.0349896542182374	0.0328341965536739	0.0637997720599791
GSE68607_GSM1677058_Treat	0.011254185831327	0.0249077014616514	0.320119221616031	0	0.096740846234903	0	0
GSE68607_GSM1677059_Treat	0	0.220431123032661	0	0	0.111382195567519	0	0
GSE68607_GSM1677060_Treat	0.0109509847318568	0.0479359567720636	0.151523873251795	0	0.032090845031967	0	0
GSE68607_GSM1677061_Treat	0.0656676854595806	0.0087886607180456	0.231410911760877	0	0.0635591209334919	0	0
GSE68607_GSM1677062_Treat	0	0.1005335448129	0.0282599255725665	0	0.0585504111642691	0	0
GSE68607_GSM1677063_Treat	0	0.0531289428398506	0.0447252495940034	0	0.113982399264959	0	0
GSE68607_GSM1677064_Treat	0.0776265395222281	0	0.0289827907873067	0	0.117825240252148	0	0
GSE68607_GSM1677065_Treat	0	0.109401514499185	0.195732542603442	0	0.10304779493398	0	0
GSE68607_GSM1677066_Treat	0.0963266251630894	0.0164901298470448	0.0578678900397459	0	0.0583743072722543	0	0
GSE68607_GSM1677067_Treat	0.0206907574281428	0.0425200358682935	0.169922677912033	0	0.157562787045441	0	0
GSE68607_GSM1677068_Treat	0.00516596211843021	0.0598674253216038	0.0978640578176236	0	0.0490636310032853	0	0
GSE68607_GSM1677069_Treat	0	0.0847251328747177	0.112665497599637	0.0102977613491304	0.0525867889669728	0	0

Part 2

T cells follicular helper	T cells regulatory (Tregs)	T cells gamma delta	NK cells resting	NK cells activated	Monocytes	Macrophages M0	Macrophages M1
0	0.226488182066511	0	0	0.379286680629017	0.0304150987328269	0.0186591244727677	0
0	0.166874169708069	0	0	0.449633531989777	0	0.00682022104645699	0.00380797581867141
0	0.132999075653723	0.00457007954393142	0	0.481342792425454	0.0511141526885139	0.021045147015463	0.00159767679968879
0	0.115486027268822	0	0	0.359710875381692	0.0989758797065096	0.0406692749994206	0
0	0.130687115711026	0	0	0.457012219944624	0.0166860755814779	0.0022666067192376	0
0	0.103693340239453	0.0495482374795545	0	0.38026642607405	0.0398775287290512	0.0285451554723871	0
0	0.232093044916286	0	0	0.291306366391411	0.0761381144135392	0.0243881858868894	0
0	0.071581906578901	0	0	0.396850728797987	0	0.0263930933926954	0
0	0.126662463469361	0	0	0.32920732376049	0	0	0
0	0.067528662985525	0	0	0.427945574897754	0	0.00480152020234196	0.0431084761426976
0	0.13965946031434	0	0	0.312054423018891	0	0.0524085526000159	0
0	0.183280034105566	0.0997162628418254	0	0.169842091147315	0	0.0289241314042656	0.00362557158716184
0	0.212726943472769	0	0.0359583009656107	0.128172470954797	0	0.0124588694838789	0
0.0138865405373247	0.141964776341097	0	0	0.456891103020118	0	0.0426371864205244	0
0	0.218832621766132	0	0	0.255945303645527	0	0.0702301136291276	0.00448334272454896
0	0.345773510085889	0.0152162702610589	0	0.114338368210103	0	0.0108352198120973	0
0	0.143451735571841	0	0	0.34702942999167	0.0534081696335527	0.0474075549608748	0
0	0.194632172258259	0	0	0.328409441496673	0	0.0614459088916057	0.007597686360849
0	0.193513358514239	0	0	0.264200440921786	0	0.0152941651705974	0
0	0.293409061918764	0	0	0.277122029878673	0	0.0398036571788084	0.00522330571423809
0	0.226488182066511	0	0	0.379286680629017	0.0304150987328269	0.0186591244727677	0
0	0.166874169708069	0	0	0.449633531989777	0	0.00682022104645699	0.00380797581867141
0	0.132999075653723	0.00457007954393142	0	0.481342792425454	0.0511141526885139	0.021045147015463	0.00159767679968879
0	0.115486027268822	0	0	0.359710875381692	0.0989758797065096	0.0406692749994206	0
0	0.130687115711026	0	0	0.457012219944624	0.0166860755814779	0.0022666067192376	0
0	0.103693340239453	0.0495482374795545	0	0.38026642607405	0.0398775287290512	0.0285451554723871	0
0	0.232093044916286	0	0	0.291306366391411	0.0761381144135392	0.0243881858868894	0
0	0.071581906578901	0	0	0.396850728797987	0	0.0263930933926954	0
0	0.126662463469361	0	0	0.32920732376049	0	0	0
0	0.067528662985525	0	0	0.427945574897754	0	0.00480152020234196	0.0431084761426976
0	0.13965946031434	0	0	0.312054423018891	0	0.0524085526000159	0

T cells follicular helper	T cells regulatory (Tregs)	T cells gamma delta	NK cells resting	NK cells activated	Monocytes	Macrophages M0	Macrophages M1
0	0.183280034105566	0.0997162628418254	0	0.169842091147315	0	0.0289241314042656	0.00362557158716184
0	0.212726943472769	0	0.0359583009656107	0.128172470954797	0	0.0124588694838789	0
0.0138865405373247	0.141964776341097	0	0	0.456891103020118	0	0.0426371864205244	0
0	0.218832621766132	0	0	0.255945303645527	0	0.0702301136291276	0.00448334272454896
0	0.345773510085889	0.0152162702610589	0	0.114338368210103	0	0.0108352198120973	0
0	0.143451735571841	0	0	0.34702942999167	0.0534081696335527	0.0474075549608748	0
0	0.194632172258259	0	0	0.328409441496673	0	0.0614459088916057	0.007597686360849
0	0.193513358514239	0	0	0.264200440921786	0	0.0152941651705974	0
0	0.293409061918764	0	0	0.277122029878673	0	0.039803657178084	0.00522330571423809
0	0.155270584706547	0	0	0.297375564828655	0.0224236021149531	0.0448931198025748	0
0	0.23521202986303	0	0	0.309718580440949	0	0.0947703515853239	0
0	0.384621619759209	0.0988757889848478	0	0	0	0	0
0	0.214604752036016	0	0	0.278937670940369	0.0727935450831641	0.0242096230857544	0
0	0.195440223411405	0.0101539871708451	0	0.310506067150681	0	0.0319582997760877	0.000914830587314958
0	0.267506964734893	0	0	0.23740594052849	0	0.0217069263198055	0.00325724038085263
0	0.085103422782033 4	0	0	0.607396597961915	0.139342454133343	0	0
0	0.174222799330803	0	0	0.280447181629854	0	0.0706413424433098	0
0	0.167520010928195	0	0	0.439553038414333	0	0.0204680735524624	0.00318761623232906
0	0.300639872137167	0	0	0.331551023350776	0	0	0
0	0.164771103883539	0.00778828479702513	0	0.15313435443392	0	0.104105690942938	0
0	0.035239899661125	0	0	0.448617491566111	0	0.0386347845536849	0
0	0.162665052425238	0	0	0.253675807294236	0	0.0146432338426447	0.00490557500491713
0	0.192349461716008	0.0282161962647102	0	0.37036357000628	0	0.0428353796291907	0.000737972808394447
0	0.337353696601536	0	0	0.262255933401623	0	0.0244467159604355	0
0	0.159067732829852	0	0	0.372066093191794	0	0.0292714980066073	0
0	0.230944033614564	0	0	0.297148466044227	0	0.00385841376784189	0.000179749644776645
0	0.175139929924039	0	0	0.391342526222097	0.0473443454226813	0.0317345212573883	0.00303844736609086
0	0.135407697238656	0.0639982236602042	0	0.458594250135891	0	0.0136949278833911	0.0168006283138505
0	0.094386624347172	0.0266667159706604	0	0.407554870913838	0	0.0236585478930485	0.00507874464728294
0	0.285765891596496	0	0	0.227472959402788	0	0.0356632933493473	0.00170130408685916
0	0.165981499628983	0	0	0.363817570314409	0.0767745835284798	0.138635785539119	0
0	0	0.0876547540731967	0	0.387176960039166	0.00748676186741621	0.0442789684526011	0.0217731828184913

T cells follicular helper	T cells regulatory (Tregs)	T cells gamma delta	NK cells resting	NK cells activated	Monocytes	Macrophages M0	Macrophages M1
0	0.0458831921109776	0.0852429790635274	0	0.355967883312563	0	0	0
0	0.143863705723472	0	0	0.406250239134571	0	0.0948115922504078	0.0016177394930434
0	0.0933087104262295	0.00098058045026531	0	0.382342260388194	0	0.0774940817260251	0
0	0.187921846949085	0	0	0.308673265849842	0	0.0480131391351015	0
0	0.145846049659724	0.0960827684370262	0	0.219845517078902	0	0.0517447670110589	0
0	0.165885497477727	0	0	0.248551845547718	0.1110564279065535	0.0549658586890753	0
0	0.284296447875684	0	0	0.339438652099845	0	0.0857286521485696	0.00586291649945728
0	0.175505209208182	0	0	0.188128488875704	0	0.112536938646223	0
0	0.244620022250163	0	0	0.340741688835039	0.0372157748782553	0.0508002343338832	0
0	0.2696081034227	0	0	0.445955217697315	0	0.020179736275632	0
0	0.0406422680248181	0	0	0.523387053009244	0.0290174055712635	0	0
0	0.163716634455416	0.0289913742855097	0	0.316288390743002	0	0.120926018688199	0.000411259932323896
0	0.21247518102111	0	0	0.251943534237692	0	0.0141789659395026	0.00175186302531028
0	0.230947301333008	0	0	0.360858346495011	0	0.0663287625312339	0
0	0.0505023216410164	0.134764658555112	0	0.27771908720842	0.006971042563372106	0.00223539908560834	0.179279406979857
0	0.277687606788035	0	0	0.320288653640068	0	0.0721031308736555	0.000274669539486731
0	0.0494572129897545	0	0	0.51901657398048	0.0309633976313427	0	0.0068130726774083
0	0.280198904519603	0	0	0.255562321071075	0	0.0219554225477277	6.41383219989922e-05
0	0.181755609176971	0	0	0.264282907268427	0	0.0551585382264721	0
0	0.111716069114278	0.0246770686458764	0	0.353638275842527	0	0.0264824563688619	0.00495439808559266
0	0	0	0	0.612943198744976	0.0976966576326818	0.00865256288134036	0
0	0.0959946731558839	0.0441038966040142	0	0.319068634959351	0	0.0311694189332828	0.00306052623070304
0	0.0682582164490227	0	0	0.479966492528302	0.0212158144971292	0	0
0	0	0.053722571419086	0	0.421250183264063	0.233713459200401	0.0415464207046899	0
0	0.200023070271152	0	0	0.37714159698958	0.0136310227133752	0.0122756650352161	0
0	0.272186573243677	0	0	0.261657808884179	0.0407849355209385	0	0
0	0.153924788741332	0	0	0.348140239793838	0	0.0180984978533135	0.0121893589449183
0	0.223700464723057	0	0	0.193311571804577	0	0.0708116036866131	0
0	0.0740723772300806	0	0	0.516973876543651	0.0849633211667196	0.00914564662490239	0.000856425682519312
0	0.157435475003714	0	0.0141393200638283	0.181213875270509	0	0.0803238680072879	0
0	0.224049445187173	0.022718900795572	0	0.247026615128799	0.0122072848315265	0.0911112047135508	0
0	0.146872473220285	0	0	0.204330108687722	0	0.198928730280307	0

T cells follicular helper	T cells regulatory (Tregs)	T cells gamma delta	NK cells resting	NK cells activated	Monocytes	Macrophages M0	Macrophages M1
0	0.202987776921739	0.0510832784790531	0	0.303488764483431	0.0403233859693971	0.155114095414557	0
0	0.266525521605026	0.0952941508930869	0	0.117261067806224	0	0.133652774311087	0
0	0.174976294944136	0	0	0.315280633616281	0	0	0.00108420137156892
0	0.12672636710963	0	0	0.355301227370465	0	0.0546706192026467	0
0	0.207665766130145	0	0	0.261329157371937	0	0.0944906781770994	0
0	0.154285007121295	0	0	0.28214142723714	0	0.0448902358435493	0
0	0.153230207864555	0	0	0.40169850078156	0.0757181706302819	0.0326468223716016	0.000732523061690989
0	0.216776196322221	0.0948600483830277	0	0.265923935290022	0.161475860320844	0	0.000834145328053693
0	0.12637065416201	0.00333910076544785	0	0.378381657344213	0.0199557759262574	0.104048918720198	0
0	0.181459444094916	0.0573574147214938	0	0.19170052416417	0	0.0464036416928417	0
0	0.19949013885966	0	0	0.193208037753267	0	0.140623401878196	0
0	0.135137222367721	0.000803468965972386	0	0.222231463032642	0	0.0218562337629593	0.0233577493477574
0	0.249476147924952	0	0	0.328011760643477	0	0	0
0	0.304501955511306	0	0	0.242740569794862	0.11075765816448	0	0

Part 3

Macrophages M2	Dendritic cells resting	Dendritic cells activated	Mast cells resting	Mast cells activated	Eosinophils	Neutrophils
0	0	0.0456262727237807	0	0	0	0.0242836519207288
0.0262796605716883	0	0.011707658194157	0	0.000185753507338068	0	0.0404194087949642
0	0	0.00311234158280451	0.0484938743901655	0	0	0
0	0	0.0269143646885332	0	0.00932124141814071	0.0222166798120504	0.0147957023148739
0	0	0.0266807917258038	0	0	0	0.0329067873183409
0	0	0.0748223715660465	0	0	0.0404171164916707	0.0316521924774442
0	0.064003022337733	0	0.050906545517146	0	0	0
0.0430482456816115	0	0.030912546479074	0	0	0	0.0851770900151664
0.0404966576256807	0.0466271744378183	0.0325319251424715	0	0.00134453827037685	0	0.0271290060552148
0	0.121532756860452	0.0367551641290234	0.00656848972804527	0	0	0.0411299706924602
0.0419991160004848	0	0.0342936221963497	0	0.00285134520414544	0.00957210411242037	0.0655402073281125
0	0	0.040517567262434	0.0535708298699282	0	0.0323171200916293	0.14681019822933
0.0245139886899293	0.023965939260311	0	0.0865791539539377	0	0	0.145048027374245
0	0.0233566625761066	0.00704848054919638	0.0366659879229297	0	0	0.0262147114151018
0.0315481614269096	0	0	0.0324679536929015	0.0164812942368878	0	0.108393412715943
0.0605382130371383	0	0.0295381573437754	0	0.0166416804852699	0	0.12835189255108
0	0	0.0279377542952643	0.0798219950554273	0	0	0.030223838294858
0	0	0.0257502502967422	0	0	0	0.0778728612566185
0	0	0.0261520644387235	0	0.0223336890545485	0.0266020317141906	0.107559786573543
0	0.0376867339149567	0.0273945850101541	0.0199342040669747	0	0	0.0188674413496194
0	0	0.0456262727237807	0	0	0	0.0242836519207288
0.0262796605716883	0	0.011707658194157	0	0.000185753507338068	0	0.0404194087949642
0	0	0.00311234158280451	0.0484938743901655	0	0	0
0	0	0.0269143646885332	0	0.00932124141814071	0.0222166798120504	0.0147957023148739
0	0	0.0266807917258038	0	0	0	0.0329067873183409
0	0	0.0748223715660465	0	0	0.0404171164916707	0.0316521924774442
0	0.064003022337733	0	0.050906545517146	0	0	0
0.0430482456816115	0	0.030912546479074	0	0	0	0.0851770900151664
0.0404966576256807	0.0466271744378183	0.0325319251424715	0	0.00134453827037685	0	0.0271290060552148
0	0.121532756860452	0.0367551641290234	0.00656848972804527	0	0	0.0411299706924602
0.0419991160004848	0	0.0342936221963497	0	0.00285134520414544	0.00957210411242037	0.0655402073281125

Macrophages M2	Dendritic cells resting	Dendritic cells activated	Mast cells resting	Mast cells activated	Eosinophils	Neutrophils
0	0	0.040517567262434	0.0535708298699282	0	0.0323171200916293	0.14681019822933
0.0245139886899293	0.0239659392603111	0	0.0865791539539377	0	0	0.145048027374245
0	0.0233566625761066	0.00704848054919638	0.0366659879229297	0	0	0.0262147114151018
0.0315481614269096	0	0	0.0324679536929015	0.0164812942368878	0	0.108393412715943
0.0605382130371383	0	0.0295381573437754	0	0.0166416804852699	0	0.12835189255108
0	0	0.0279377542952643	0.0798219950554273	0	0	0.030223838294858
0	0	0.0257502502967422	0	0	0	0.0778728612566185
0	0	0.0261520644387235	0	0.0223336890545485	0.0266020317141906	0.107559786573543
0	0.0376867339149567	0.0273945850101541	0.0199342040669747	0	0	0.0188674413496194
0.0043494610418791	0	0.0470448833004424	0	0.00716692251664389	0	0.0357825686870312
0.0159001791340521	0	0.0248865177616674	0	0	0	0.0743952009419616
0.0215466371300134	0	0.0360007048767058	0.0136143266192267	0	0	0.0370057662951968
0	0	0.0238760206815928	0	0	0.0055966342023306	0.00854921599045868
0	0	0.0137080438415883	0.0475361563834164	0	0	0.0377261236497125
0.0771467458561618	0	0.0122973529963123	0	0.02367382430951	0	0.123010096005775
0	0	0.0359044733770803	0	0	0	0
0	0	0.0339458633155222	0	0	0.00557486720743592	0.0434034679558457
0.0597899509722747	0.0528961842265927	0	0	0.00280902046644311	0	0.0416433208739109
0	0	0.0466244746682713	0.00292036845372249	0	0	0.0893329237052561
0.0704835267880207	0	0.0375803388175922	0.0413656776116542	0	0	0.0922433155387562
0.0235442055495036	0	0.0437367555796379	0	0	0.0212242176639469	0.0672751442176409
0.0355685709962117	0	0.0541371969690752	0.0168373178149029	0	0	0.064767341397792
0	0	0.0333203168535931	0	0.0138713943094233	0	0.0598147393130361
0	0	0.0646287550348207	0	0.0270049717080238	0	0.0994801105099256
0.0284778826823105	0	0.0382797510965928	0	0.0132207671102043	0	0.0905311858547062
0	0.0547431533128251	0.0290250298188105	0.00591349046666633	0	0	0.104175324732026
0	0	0.0165971841943287	0.06230566966919 2	0	0	0.0364796515070477
0	0	0	0	0.0063478763510144	0	0.119737161847948
0.0789264070445136	0	0.0178042741740066	0	0.0242376400460444	0	0.123086462512128
0.0181438823931068	0	0.0263426014756947	0	0.0277288934370091	0	0.076739359256713
0	0	0	0	0.00532602813501018	0	0.000394282324282889
0.062276778046947	0	0.030787661872595	0	0	0	0.075366995851178

Macrophages M2	Dendritic cells resting	Dendritic cells activated	Mast cells resting	Mast cells activated	Eosinophils	Neutrophils
0	0.165002050486253	0.0256330591337499	0.0329019420729961	0	0.0796269765963327	0
0	0	0.0228011323949652	0	0.0209333769482891	0	0.106155439997191
0.0586450303847685	0	0.0235689536424561	0	0.00823358508372849	0	0.0676497275897089
0.0264284413440737	0	0.0313280209077687	0.0153840960635508	0.00765523709824398	0	0.117630435021395
0	0	0.0677155564536608	0	0	0	0.0998510668460856
0	0	0.0157127687298519	0	0	0.026002856995505	0
0	0	0	0	0.024991626446535	0	0.0646795602805934
0	0.0674306315436275	0.0633844999912845	0.0160322613761395	0	0.000885092783808433	0.05807940494191
0	0	0.0617203983725771	0	0	0.00749595198253312	0.040343909062125
0.0302427040658789	0	0.0382252348499333	0	0.00207697291922771	0	0.102242082739094
0	0.0413877454300359	0.0459015191209877	0.0148019040518576	0	0	0.0319841545694341
0	0	0.00741523247914821	0.0307086672195612	0	0	0.0415471219933771
0.0668401135263268	0	0.0191795971387446	0	0	0	0.113950855302369
0	0.0111015557902552	0.0321432162677587	0.0391239500958923	0	0	0.0931619023115634
0.0570612979948135	0	0	0	0	0	0.00712074450189292
0	0.0240049918831311	0.0133755360414364	0	0	0	0.0321185291478835
0	0	0.00437477623613263	0	0.00450512669371782	0.0281021160837273	0.0200243798255973
0	0.0158206347330187	0	0.00718001437113894	0	0	0.137613900798221
0.0864702160007299	0	0.00966778186757888	0	0.00101393675151818	0	0.0727275452207433
0.0802194646543359	0	0	0	0.0190362463340643	0	0.0463565408290886
0	0	0	0	0.0409300317835157	0.00396994049449472	0.0143127244110936
0.0707049616762612	0	0	0	0.0157159499065904	0	0.0958869508687103
0	0.0310548480525776	0.0387118036857914	0	0.0208086722932421	0	0.0499445491961062
0	0	0	0	0.0124732806974838	0	0
0	0	0.0124543830182454	0	0.0116975217992792	0	0.0453782392498803
0	0.0708012586218485	0.0266731241428324	0	0	0.0124804597706873	0.0016059672775381
0.0166310283872249	0	0.00503380026658742	0	0.0166778698725848	0	0.0596370004323326
0	0	0.0506164150195445	0	0	0.0316708871665966	0.115677008823486
0	0	0	0	0	0	0
0.0107682928266364	0	0.0539334782184295	0	0	0	0.0461881224314218
0	0	0.0226584003957452	0.0491413753433252	0	0	0.0117560080054546
0	0	0.0629419617338158	0.065084672669156	0	0	0.0674362763203999
0	0	0.0570727893236275	0	0	0	0.0189575484345057

Macrophages M2	Dendritic cells resting	Dendritic cells activated	Mast cells resting	Mast cells activated	Eosinophils	Neutrophils
0	0	0.0444680256726386	0	0	0	0.0476385443543151
0	0.00733291233069749	0	0	0.00333537893029671	0	0.0449686236631073
0	0	0.0427741781152595	0.0407838140601569	0	0	0.0479304755416611
0.0441575215272837	0	0.0219123016868756	0.025019328549769	0	0	0.102923586769209
0	0	0.0604668751176532	0	0.0210243396393715	0.0405810177111914	0.0271847184578024
0	0	0.0738474758962626	0	0.0447174561813175	0	0.0300649616629954
0	0	0.0472909691167043	0	0	0	0.00100225354031426
0	0	0.0435559978084391	0.0592719239268289	0	0	0.0406414007849227
0	0.031732536989432	0.0517741970620295	0	0	0	0.0313903892385109
0	0	0.0519409069363851	0.0995329624431148	0	0	0.0861455998072426
0.114237757858134	0	0.00054588247879183	0	0	0	0.0911339639321122
0.0910147198520298	0	0.0581604288693304	0	0	0	0.0613758664492686
0	0	0.0592241500671838	0.0225004856717096	0	0	0

Supplementary Table 8

Part 1

Gene	Immune	cor	text	pvalue
ARHGAP8	B cells naive	-0.223737334047142		0.0731946128200783
ADCY8	B cells naive	0.0306023785092902		0.808785073327659
DACH1	B cells naive	-0.0949134139606601		0.452009610806802
HUNK	B cells naive	-0.0819513695079668		0.516347375998337
TNFRSF13B	B cells naive	0.0219619469003329		0.862141963150288
ADAMTS2	B cells naive	-0.0398730990576928		0.752492025636171
BPTF	B cells naive	0.151931808599064		0.226980085986455
EIF2AK4	B cells naive	0.0443734488384708		0.725602131710427
ANKRD12	B cells naive	-0.111048557627651		0.378502706689697
RHBDF1	B cells naive	0.0653457928264004		0.605040545117554
CMTM8	B cells naive	-0.00364528332243016		0.977008905947247
JMJD1C	B cells naive	0.144011192984895		0.252414287700546
YLPM1	B cells naive	-0.25053447229591	*	0.0441242834789567
LRP1B	B cells naive	-0.0421232739480818		0.739008142141839
GTPBP1	B cells naive	0.164532787985243		0.190292791441301
SNX13	B cells naive	0.0978376042341131		0.438133057425779
FADS2	B cells naive	0.0239646244353018		0.849710932464342
TNRC6B	B cells naive	-0.106658289804438		0.397754975463386
DIP2C	B cells naive	-0.299498277910774	*	0.0153633175817384
ARHGEF11	B cells naive	-0.131815245078987		0.295245516961323
ZC3H12C	B cells naive	0.186044459937361		0.137855830967869
SLC39A11	B cells naive	0.093157240462104		0.460458553911084
JARID2	B cells naive	-0.0367228542111482		0.771493123755182
MAPKBP1	B cells naive	-0.0562093687619169		0.65651252844568
CACNB2	B cells naive	-0.0627348759440449		0.619569644488399
PCSK2	B cells naive	-0.178033837327577		0.155937632624452
SIK3	B cells naive	-0.0193515040573453		0.878395227540052
R3HDM1	B cells naive	0.0116559059322149		0.926576769040548
MARK4	B cells naive	0.0272721196715145		0.829261633453598
PIGU	B cells naive	0.111203643083024		0.37783303038645
FOXN3	B cells naive	-0.0495488510863655		0.695083779429227
NAV3	B cells naive	-0.147976351494893		0.239449269564053
SEMA7A	B cells naive	0.0950280006634633		0.451461323847907
HDAC4	B cells naive	0.215071716023379		0.0853385947561851
SPI1	B cells naive	-0.00526540924351023		0.966795514967859
ARHGAP8	B cells memory	0.134859317712241		0.284135209371384
ADCY8	B cells memory	-0.0889319557349431		0.481135091553179
DACH1	B cells memory	0.0254985636662761		0.840213892600942
HUNK	B cells memory	0.000334330660657681		0.997891067251759
TNFRSF13B	B cells memory	-0.124461520552872		0.323241546928985
ADAMTS2	B cells memory	-0.101993140211303		0.418830890678833
BPTF	B cells memory	-0.0397184824861325		0.753421310101288
EIF2AK4	B cells memory	0.119110870036976		0.344638686384849
ANKRD12	B cells memory	0.121297814454523		0.335788843675271
RHBDF1	B cells memory	-0.107209869960479		0.395305029866942
CMTM8	B cells memory	-0.0588421962757518		0.641501973299513
JMJD1C	B cells memory	-0.00951727947338864		0.940020886507467
YLPM1	B cells memory	0.205969975675842		0.0997505255813305
LRP1B	B cells memory	0.050840549130678		0.687539270448788
GTPBP1	B cells memory	0.0861681556068396		0.494922012876972

Gene	Immune	cor	text	pvalue
SNX13	B cells memory	0.00109214682481509		0.99311089540207
FADS2	B cells memory	-0.0647382676299816		0.608407951017955
TNRC6B	B cells memory	0.0791695004437388		0.530734435535057
DIP2C	B cells memory	0.0886422024957064		0.482570850439925
ARHGEF11	B cells memory	-0.0203050154572765		0.872452263339561
ZC3H12C	B cells memory	-0.0226230413711697		0.858034574703313
SLC39A11	B cells memory	-0.0586861753007782		0.642387597363357
JARID2	B cells memory	-0.0025854904424194		0.983692009875698
MAPKBP1	B cells memory	0.102572646689776		0.416178493766311
CACNB2	B cells memory	0.0947715979410972		0.452688695971327
PCSK2	B cells memory	0.114809148869848		0.362465527809786
SIK3	B cells memory	-0.063768001342775		0.613802788920792
R3HDM1	B cells memory	0.0973570883835166		0.440396756506418
MARK4	B cells memory	0.0300897594591913		0.811929039419745
PIGU	B cells memory	-0.0682034547741669		0.589311683537106
FOXN3	B cells memory	-0.0522224491947297		0.67950141033429
NAV3	B cells memory	0.130482389745679		0.300198387076019
SEMA7A	B cells memory	-0.0109441157097931		0.931049234446085
HDAC4	B cells memory	-0.250034756750524	*	0.0445625342712513
SPI1	B cells memory	0.0250525108386155		0.84297325134425
ARHGAP8	Plasma cells	-0.390037057994358	**	0.0013190819530326
ADCY8	Plasma cells	-0.0737049197934825		0.55956171323527
DACH1	Plasma cells	-0.122187130362501		0.332231286885134
HUNK	Plasma cells	-0.184786889660172		0.140584972527099
TNFRSF13B	Plasma cells	0.498016382500754	***	2.42903598234882e-05
ADAMTS2	Plasma cells	0.164284156929957		0.190972736256041
BPTF	Plasma cells	0.151781424390849		0.227445730086024
EIF2AK4	Plasma cells	-0.0366338806565471		0.772031785458165
ANKRD12	Plasma cells	0.18758880338512		0.134559100840345
RHBDF1	Plasma cells	-0.0871484953050609		0.490008243823081
CMTM8	Plasma cells	0.149595631988907		0.234288840171488
JMJD1C	Plasma cells	0.0455081978084314		0.718872273783628
YLPM1	Plasma cells	0.38369399823689	**	0.00160429764696041
LRP1B	Plasma cells	-0.147759566371276		0.240146025684814
GTPBP1	Plasma cells	-0.143256834023275		0.254933893811308
SNX13	Plasma cells	0.330841537957933	**	0.00710601920819072
FADS2	Plasma cells	-0.203149765579442		0.10458086339454
TNRC6B	Plasma cells	0.271387984625112	*	0.0287596954804845
DIP2C	Plasma cells	-0.283628422075987	*	0.0220472147716755
ARHGEF11	Plasma cells	-0.0446338808476546		0.724055736047999
ZC3H12C	Plasma cells	0.0319562849163913		0.800495969387364
SLC39A11	Plasma cells	-0.0702513677984143		0.578154306852398
JARID2	Plasma cells	0.354404380050868	**	0.0037733682976188
MAPKBP1	Plasma cells	-0.0992349750481645		0.43158731680591
CACNB2	Plasma cells	-0.136393445881178		0.278641992844801
PCSK2	Plasma cells	-0.295431701046474	*	0.0168838688495408
SIK3	Plasma cells	0.414513671104271	***	0.000597171456832232
R3HDM1	Plasma cells	0.358295090526324	**	0.00338322780889548
MARK4	Plasma cells	0.255825142723286	*	0.0396984401754599
PIGU	Plasma cells	0.129267762650847		0.304758726249246
FOXN3	Plasma cells	0.201748638699242		0.107047091470188
NAV3	Plasma cells	-0.0318480392832244		0.801157895410221
SEMA7A	Plasma cells	-0.323114424629117	**	0.00865693322402818
HDAC4	Plasma cells	0.318601100507059	**	0.00969312559622808
SPI1	Plasma cells	0.159081971013335		0.20560177118334
ARHGAP8	T cells CD8	-0.0330284080926299		0.793947517447675

Gene	Immune	cor	text	pvalue
ADCY8	T cells CD8	0.085109581146348		0.500256633020552
DACH1	T cells CD8	-0.0174007718704574		0.890574093721679
HUNK	T cells CD8	-0.00637119745869554		0.959827497854252
TNFRSF13B	T cells CD8	-0.0251845368349626		0.842156318433393
ADAMTS2	T cells CD8	-0.210129304864147		0.0929456964823542
BPTF	T cells CD8	-0.184404092483754		0.14142370417973
EIF2AK4	T cells CD8	0.0342001071131865		0.786807055166085
ANKRD12	T cells CD8	0.145939674461956		0.246050233992514
RHBDF1	T cells CD8	0.081594292967689		0.518182974150878
CMTM8	T cells CD8	0.000781373273236246		0.995071180951985
JMJD1C	T cells CD8	-0.11726609662184		0.352215703341079
YLPM1	T cells CD8	-0.210790466864578		0.0918983361236945
LRP1B	T cells CD8	-0.0748315173214712		0.553558402016901
GTPBP1	T cells CD8	0.116965568439826		0.353459734462131
SNX13	T cells CD8	-0.0917212011506547		0.467430898026921
FADS2	T cells CD8	0.0241026235580429		0.848855649082642
TNRC6B	T cells CD8	-0.157657084284513		0.209743771302252
DIP2C	T cells CD8	0.0179114796480309		0.887383075552947
ARHGEF11	T cells CD8	0.0381069734793677		0.763127412515812
ZC3H12C	T cells CD8	-0.0611274322216355		0.628587813404165
SLC39A11	T cells CD8	0.0724272918653597		0.566406895259879
JARID2	T cells CD8	0.0686406367719841		0.586921719045329
MAPKBP1	T cells CD8	0.0108190145525019		0.931835519098581
CACNB2	T cells CD8	-0.00991743000646004		0.937504024502464
PCSK2	T cells CD8	0.124358561717369		0.323645125423143
SIK3	T cells CD8	-0.0590838405839407		0.640131306728481
R3HDM1	T cells CD8	-0.0502483120327309		0.690994675504671
MARK4	T cells CD8	-0.263082370535004	*	0.0342312989328925
PIGU	T cells CD8	0.141188139910149		0.261930829964903
FOXN3	T cells CD8	0.102720532612365		0.415503174003124
NAV3	T cells CD8	0.0646156772515395		0.609088434779865
SEMA7A	T cells CD8	-0.0222398144958787		0.860415118490916
HDAC4	T cells CD8	-0.19702627612834		0.115691415656114
SPI1	T cells CD8	-0.288627266006189	*	0.0197165791233289
ARHGAP8	T cells CD4 naive	0.0817753690539316		0.517251717747895
ADCY8	T cells CD4 naive	0.0835664335664336		0.507162172923439
DACH1	T cells CD4 naive	-0.0232957090891211		0.853859128566734
HUNK	T cells CD4 naive	0.163636363636364		0.192287416581682
TNFRSF13B	T cells CD4 naive	0.0935980506835887		0.45832975184445
ADAMTS2	T cells CD4 naive	0.0610576923076923		0.628195132551955
BPTF	T cells CD4 naive	-0.0685314685314685		0.58667140197518
EIF2AK4	T cells CD4 naive	-0.14611013986014		0.244843650747813
ANKRD12	T cells CD4 naive	0.047181975141842		0.708984448380537
RHBDF1	T cells CD4 naive	-0.0502846403509077		0.690782536226951
CMTM8	T cells CD4 naive	0.147727272727273		0.239616667903105
JMJD1C	T cells CD4 naive	0.0588723776223776		0.640566315259564
YLPM1	T cells CD4 naive	0.302054195804196	*	0.0147714893694879
LRP1B	T cells CD4 naive	-0.0213286713286713		0.86583733883004
GTPBP1	T cells CD4 naive	-0.217351398601399		0.0820709682287227
SNX13	T cells CD4 naive	0.0862325174825175		0.4936674190467
FADS2	T cells CD4 naive	-0.108655033387533		0.388928425049074
TNRC6B	T cells CD4 naive	0.249125874125874	*	0.0456229710407856
DIP2C	T cells CD4 naive	0.0478583916083916		0.704360475761004
ARHGEF11	T cells CD4 naive	0.0870629370629371		0.489503031827391
ZC3H12C	T cells CD4 naive	-0.218706293706294		0.0801463892060561
SLC39A11	T cells CD4 naive	-0.0833916083916084		0.508053674613254

Gene	Immune	cor	text	pvalue
JARID2	T cells CD4 naive	0.034222027972028		0.78622185616811
MAPKBP1	T cells CD4 naive	0.114554195804196		0.362647846326374
CACNB2	T cells CD4 naive	-0.0928758741258741		0.460879622821255
PCSK2	T cells CD4 naive	-0.0551136363636364		0.662074382826786
SIK3	T cells CD4 naive	0.146153846153846		0.244701356029146
R3HDM1	T cells CD4 naive	0.055506993006993		0.659810278467414
MARK4	T cells CD4 naive	0.0997814685314685		0.428104773112632
PIGU	T cells CD4 naive	-0.21215034965035		0.0898027890062574
FOXN3	T cells CD4 naive	0.178977272727273		0.153424624427843
NAV3	T cells CD4 naive	0.0476414218379381		0.706278539307965
SEMA7A	T cells CD4 naive	-0.0887048308441243		0.482260327790947
HDAC4	T cells CD4 naive	0.0170891608391608		0.892352732419449
SPI1	T cells CD4 naive	0.162456293706294		0.19554716122319
ARHGAP8	T cells CD4 memory resting	-0.0569746035060679		0.652135384656038
ADCY8	T cells CD4 memory resting	-0.046901232949482		0.710639646368833
DACH1	T cells CD4 memory resting	0.134409699983928		0.28575860758377
HUNK	T cells CD4 memory resting	-0.190018194343427		0.129493922044938
TNFRSF13B	T cells CD4 memory resting	-0.077015394057926		0.542009625330195
ADAMTS2	T cells CD4 memory resting	0.219921665015915		0.0783599204988667
BPTF	T cells CD4 memory resting	-0.211212934960419		0.09123395649345
EIF2AK4	T cells CD4 memory resting	0.0806869085864689		0.522862270548342
ANKRD12	T cells CD4 memory resting	-0.0978966591539075		0.437855302399105
RHBDF1	T cells CD4 memory resting	-0.14511211169225		0.248767640421011
CMTM8	T cells CD4 memory resting	-0.0538262472104793		0.670217312553293
JMJD1C	T cells CD4 memory resting	0.200615564651923		0.109074190715082
YLPM1	T cells CD4 memory resting	-0.134198382421448		0.286523703942149
LRP1B	T cells CD4 memory resting	0.139234756429446		0.26865557003995
GTPBP1	T cells CD4 memory resting	0.239857312130908		0.0542963209764158
SNX13	T cells CD4 memory resting	-0.0353595425144864		0.779758506915582
FADS2	T cells CD4 memory resting	-0.0635849166200315		0.614823074027257
TNRC6B	T cells CD4 memory resting	-0.113108566262956		0.3696655980231
DIP2C	T cells CD4 memory resting	-0.0820509265469684		0.515836177343993
ARHGEF11	T cells CD4 memory resting	-0.054665642878479		0.665377620694292
ZC3H12C	T cells CD4 memory resting	0.020775042782992		0.869525279507996
SLC39A11	T cells CD4 memory resting	0.227790999403412		0.0680087369682859
JARID2	T cells CD4 memory resting	0.0427042546094836		0.735539189724765
MAPKBP1	T cells CD4 memory resting	0.0491046465779811		0.697685144768371
CACNB2	T cells CD4 memory resting	-0.114577508681956		0.363441190387452
PCSK2	T cells CD4 memory resting	-0.128532461662451		0.307541117012306
SIK3	T cells CD4 memory resting	0.0179420824034931		0.887191918639125
R3HDM1	T cells CD4 memory resting	0.216144384509917		0.0837543610598907
MARK4	T cells CD4 memory resting	-0.0827853977564681		0.512072800025752
PIGU	T cells CD4 memory resting	0.0981043686974623		0.436879160690184
FOXN3	T cells CD4 memory resting	-0.203868222865422		0.103333449759506
NAV3	T cells CD4 memory resting	-0.210380435617283		0.0925467792470292
SEMA7A	T cells CD4 memory resting	-0.0409218802447582		0.746197887436996
HDAC4	T cells CD4 memory resting	-0.20659625878642		0.0987017998699698
SPI1	T cells CD4 memory resting	-0.044173197028483		0.72679193219435
ARHGAP8	T cells CD4 memory activated	-0.0348444419976066		0.78288781004037
ADCY8	T cells CD4 memory activated	-0.108913595067604		0.387794033566304
DACH1	T cells CD4 memory activated	-0.141450079748993		0.26103778230288
HUNK	T cells CD4 memory activated	0.0828915646070374		0.511529967485938
TNFRSF13B	T cells CD4 memory activated	0.054501799250292		0.666321231259496
ADAMTS2	T cells CD4 memory activated	0.159862303170715		0.203358167995727
BPTF	T cells CD4 memory activated	-0.109387261151073		0.385721023308074
EIF2AK4	T cells CD4 memory activated	-0.0650402740863076		0.606732963188782

Gene	Immune	cor	text	pvalue
ANKRD12	T cells CD4 memory activated	0.00426308791412327		0.973113698262716
RHBDF1	T cells CD4 memory activated	-0.378137687030951	**	0.00189839986336751
CMTM8	T cells CD4 memory activated	0.066165231034546		0.600511509978439
JMJD1C	T cells CD4 memory activated	0.0535834756924063		0.67161956199473
YLPM1	T cells CD4 memory activated	0.195594488342392		0.118415382981296
LRP1B	T cells CD4 memory activated	-0.0379228908077196		0.764238488638826
GTPBP1	T cells CD4 memory activated	0.0350512901766901		0.7816307652158
SNX13	T cells CD4 memory activated	0.165635108562991		0.187299171005164
FADS2	T cells CD4 memory activated	0.155423381892468		0.216354983771652
TNRC6B	T cells CD4 memory activated	0.0766746972615096		0.543803546957809
DIP2C	T cells CD4 memory activated	-0.0912399293281748		0.469780310731648
ARHGEF11	T cells CD4 memory activated	0.0226175554856345		0.858068643308135
ZC3H12C	T cells CD4 memory activated	-0.0947628208239739		0.4527307436169
SLC39A11	T cells CD4 memory activated	0.310932179667041	*	0.0117021046279616
JARID2	T cells CD4 memory activated	0.045975214226689		0.716108673015228
MAPKBP1	T cells CD4 memory activated	-0.0544715995989103		0.666495213845293
CACNB2	T cells CD4 memory activated	-0.152076416923697		0.226532952213178
PCSK2	T cells CD4 memory activated	-0.184848189073693		0.140451009319696
SIK3	T cells CD4 memory activated	0.297551112809048	*	0.0160760409778739
R3HDM1	T cells CD4 memory activated	0.164006881401067		0.191733072973588
MARK4	T cells CD4 memory activated	0.135290875090772		0.282582761600334
PIGU	T cells CD4 memory activated	-0.0320316688945766		0.800035076145171
FOXN3	T cells CD4 memory activated	0.157908430576406		0.209008883033068
NAV3	T cells CD4 memory activated	-0.18517990475105		0.139727742373806
SEMA7A	T cells CD4 memory activated	0.144842955075061		0.249655847217161
HDAC4	T cells CD4 memory activated	0.0241273661266913		0.848702319276992
SPI1	T cells CD4 memory activated	0.15731634797207		0.210742931368909
ARHGAP8	T cells regulatory (Tregs)	0.0142048558753469		0.910580217168736
ADCY8	T cells regulatory (Tregs)	-0.125307313242983		0.319938330061838
DACH1	T cells regulatory (Tregs)	-0.140715487663629		0.263547480151275
HUNK	T cells regulatory (Tregs)	-0.213114216732747		0.0882904963958555
TNFRSF13B	T cells regulatory (Tregs)	-0.29052208308748	*	0.0188897729253282
ADAMTS2	T cells regulatory (Tregs)	0.00952807613776434		0.939952969991313
BPTF	T cells regulatory (Tregs)	0.131360701064453		0.296928557671454
EIF2AK4	T cells regulatory (Tregs)	0.177733585386324		0.156647963747905
ANKRD12	T cells regulatory (Tregs)	0.104286635276176		0.408390439764555
RHBDF1	T cells regulatory (Tregs)	0.0151445617255622		0.904691438993484
CMTM8	T cells regulatory (Tregs)	-0.23916345241214		0.0550184846349798
JMJD1C	T cells regulatory (Tregs)	0.225024311904953		0.0715150493007805
YLPM1	T cells regulatory (Tregs)	0.0953026147632805		0.450148815982057
LRP1B	T cells regulatory (Tregs)	-0.151138015066005		0.229445460964449
GTPBP1	T cells regulatory (Tregs)	0.19091117692548		0.127668863726459
SNX13	T cells regulatory (Tregs)	0.135578404492408		0.281551548574128
FADS2	T cells regulatory (Tregs)	0.0665661399943181		0.598301149359694
TNRC6B	T cells regulatory (Tregs)	0.202799418712048		0.105193366666465
DIP2C	T cells regulatory (Tregs)	0.0899703886678344		0.476008241091661
ARHGEF11	T cells regulatory (Tregs)	0.0105114784914327		0.933768716393973
ZC3H12C	T cells regulatory (Tregs)	0.256143533052147	*	0.0394442730004939
SLC39A11	T cells regulatory (Tregs)	0.128454200774722		0.307838220666444
JARID2	T cells regulatory (Tregs)	0.143882691034496		0.252842290849829
MAPKBP1	T cells regulatory (Tregs)	0.044777587170365		0.723202905143782
CACNB2	T cells regulatory (Tregs)	0.146461390539671		0.244347588886421
PCSK2	T cells regulatory (Tregs)	0.179285175766557		0.153002908815749
SIK3	T cells regulatory (Tregs)	0.00480774484015632		0.969680196705812
R3HDM1	T cells regulatory (Tregs)	0.0566658289569334		0.653900179001466
MARK4	T cells regulatory (Tregs)	0.249456397047202	*	0.0450742237268993

Gene	Immune	cor	text	pvalue
PIGU	T cells regulatory (Tregs)	0.153651154414269		0.221703484019417
FOXN3	T cells regulatory (Tregs)	0.00915656858193408		0.942290183408859
NAV3	T cells regulatory (Tregs)	-0.0164124306171454		0.896754345930356
SEMA7A	T cells regulatory (Tregs)	0.197823331486552		0.11419599622232
HDAC4	T cells regulatory (Tregs)	-0.0402976431147648		0.749942212514792
SPI1	T cells regulatory (Tregs)	0.149542717914499		0.234456245151782
ARHGAP8	T cells gamma delta	0.228560059518288		0.0670589901333228
ADCY8	T cells gamma delta	-0.106696136068018		0.397586589411738
DACH1	T cells gamma delta	-0.20622206990482		0.0993273497456057
HUNK	T cells gamma delta	0.20143817956251		0.10759959108897
TNFRSF13B	T cells gamma delta	-0.00801636143526352		0.949466353436665
ADAMTS2	T cells gamma delta	0.223283697755699		0.0737940801250594
BPTF	T cells gamma delta	-0.13374520044027		0.288169043344024
EIF2AK4	T cells gamma delta	0.0991486501686547		0.431990080383504
ANKRD12	T cells gamma delta	0.0387227304021027		0.759414331759794
RHBDF1	T cells gamma delta	-0.330827266951197	**	0.00710864281755857
CMTM8	T cells gamma delta	-0.00876633455391888		0.944745730070766
JMJD1C	T cells gamma delta	-0.0287367009708678		0.820241643673239
YLPM1	T cells gamma delta	-0.0483320370325688		0.70221798195187
LRP1B	T cells gamma delta	0.109602621321189		0.384780683617786
GTPBP1	T cells gamma delta	0.240488215302694		0.0536463995485089
SNX13	T cells gamma delta	0.153153021324347		0.223223328955006
FADS2	T cells gamma delta	0.122401869634345		0.331375834291511
TNRC6B	T cells gamma delta	-0.0911323763252316		0.470306218872793
DIP2C	T cells gamma delta	0.0442067031248423		0.726592810101282
ARHGEF11	T cells gamma delta	-0.143589747265527		0.253819846486988
ZC3H12C	T cells gamma delta	-0.137120473637501		0.276063537226918
SLC39A11	T cells gamma delta	0.447786244165953	***	0.000183877603688949
JARID2	T cells gamma delta	-0.16234126502792		0.196346238796361
MAPKBP1	T cells gamma delta	-0.0460818549010816		0.715478126922829
CACNB2	T cells gamma delta	-0.275975462668024	*	0.0260663846424969
PCSK2	T cells gamma delta	-0.0432691272367226		0.732171454576766
SIK3	T cells gamma delta	0.0655365545795647		0.603984870849632
R3HDM1	T cells gamma delta	0.0660522213180305		0.601135224945904
MARK4	T cells gamma delta	-0.130791836392693		0.299043698241044
PIGU	T cells gamma delta	-0.0269084279890344		0.83150497643981
FOXN3	T cells gamma delta	-0.0944138919336504		0.454404064811021
NAV3	T cells gamma delta	-0.284188567463506	*	0.0217749330577404
SEMA7A	T cells gamma delta	0.0995738233738842		0.430008416516905
HDAC4	T cells gamma delta	0.0219392757820002		0.862282884281359
SPI1	T cells gamma delta	-0.143355353293497		0.254603867789313
ARHGAP8	NK cells resting	-0.241782169937681		0.0523332684228239
ADCY8	NK cells resting	-0.0937744592759844		0.457479334686308
DACH1	NK cells resting	-0.0808115167406211		0.522218425901651
HUNK	NK cells resting	-0.0487105289710429		0.699996097164717
TNFRSF13B	NK cells resting	0.0199394179165432		0.874730116412207
ADAMTS2	NK cells resting	-0.0949119304195389		0.452016711824353
BPTF	NK cells resting	-0.0276338577816493		0.827031687551687
EIF2AK4	NK cells resting	0.174735640670163		0.163872223621326
ANKRD12	NK cells resting	0.240981873535214		0.0531422928368621
RHBDF1	NK cells resting	-0.14880961559192		0.236784082688785
CMTM8	NK cells resting	0.185675436668467		0.138652509022784
JMJD1C	NK cells resting	0.1945744756151		0.120385698955624
YLPM1	NK cells resting	0.143455184222412		0.254269743872837
LRP1B	NK cells resting	-0.179854260816158		0.151681898849704
GTPBP1	NK cells resting	0.0242883544182535		0.847704810812694

Gene	Immune	cor	text	pvalue
SNX13	NK cells resting	0.252552048902749	*	0.0423908198531338
FADS2	NK cells resting	-0.00100366197566493		0.993669033127898
TNRC6B	NK cells resting	0.124519635185592		0.323013890357887
DIP2C	NK cells resting	-0.116691157315246		0.354598019249033
ARHGEF11	NK cells resting	-0.0245559946873252		0.846046997685079
ZC3H12C	NK cells resting	0.0744039948019227		0.555832916431415
SLC39A11	NK cells resting	0.178148054100826		0.155668047640522
JARID2	NK cells resting	0.213041654181045		0.0884014451865169
MAPKBP1	NK cells resting	0.0060553610877464		0.961817427306368
CACNB2	NK cells resting	0.00488443491055787		0.969196787331903
PCSK2	NK cells resting	-0.0775822229971487		0.539031415718631
SIK3	NK cells resting	0.137834738571907		0.273545859774037
R3HDM1	NK cells resting	0.116657702281612		0.354736948404116
MARK4	NK cells resting	0.0327859329612789		0.795427315852395
PIGU	NK cells resting	0.172828703753027		0.168593179796393
FOXN3	NK cells resting	-0.0793887948133824		0.529593139495045
NAV3	NK cells resting	0.00990301457902002		0.937594684052037
SEMA7A	NK cells resting	0.0425227416551839		0.736622416112635
HDAC4	NK cells resting	0.0384398336454178		0.761119563350961
SPI1	NK cells resting	0.0834368538830913		0.508746523366791
ARHGAP8	NK cells activated	0.176247555163003		0.160198873879643
ADCY8	NK cells activated	0.245454545454545	*	0.0489883182296592
DACH1	NK cells activated	0.325243938436575	**	0.00820253204491589
HUNK	NK cells activated	0.0940996503496503		0.454972980722148
TNFRSF13B	NK cells activated	0.0481430085584744		0.703328579655982
ADAMTS2	NK cells activated	-0.18597027972028		0.137794282499481
BPTF	NK cells activated	-0.120454545454545		0.338324786999039
EIF2AK4	NK cells activated	-0.356468531468531	**	0.0037449132694344
ANKRD12	NK cells activated	-0.115321576110931		0.360312892212576
RHBDF1	NK cells activated	0.481517499127293	***	4.89123667648211e-05
CMTM8	NK cells activated	0.132517482517483		0.291884643892856
JMJD1C	NK cells activated	-0.406730769230769	***	0.000851088923125988
YLPM1	NK cells activated	-0.0997814685314685		0.428104773112631
LRP1B	NK cells activated	0.0939685314685315		0.455603825497987
GTPBP1	NK cells activated	-0.323426573426573	**	0.00885270654401466
SNX13	NK cells activated	-0.420673076923077	***	0.000542204865625195
FADS2	NK cells activated	0.0133742720098894		0.915789174077294
TNRC6B	NK cells activated	-0.186625874125874		0.136393129769998
DIP2C	NK cells activated	0.183173076923077		0.143895151978497
ARHGEF11	NK cells activated	0.204895104895105		0.101536872115433
ZC3H12C	NK cells activated	-0.229370629370629		0.0662250999170513
SLC39A11	NK cells activated	-0.39375	**	0.00127442782045053
JARID2	NK cells activated	-0.149519230769231		0.233915424100366
MAPKBP1	NK cells activated	-0.164291958041958		0.190493486244985
CACNB2	NK cells activated	0.0833916083916084		0.508053674613256
PCSK2	NK cells activated	0.194842657342657		0.119735311409203
SIK3	NK cells activated	-0.117482517482517		0.350444958068236
R3HDM1	NK cells activated	-0.349125874125874	**	0.00456785354295291
MARK4	NK cells activated	-0.231381118881119		0.0638338711997226
PIGU	NK cells activated	-0.0753059440559441		0.550150242733848
FOXN3	NK cells activated	0.0723339160839161		0.566036524023855
NAV3	NK cells activated	0.269611110648919	*	0.0298639262574213
SEMA7A	NK cells activated	-0.227083492806429		0.0688919739813416
HDAC4	NK cells activated	-0.0753059440559441		0.550150242733848
SPI1	NK cells activated	-0.115865384615385		0.357151911527566
ARHGAP8	Monocytes	0.179511904277141		0.152475586951286

Gene	Immune	cor	text	pvalue
ADCY8	Monocytes	0.15742933386413		0.210411244857834
DACH1	Monocytes	0.453042895141585	***	0.000150938113568265
HUNK	Monocytes	0.0535273542710079		0.671943878607881
TNFRSF13B	Monocytes	-0.0862177231426586		0.49467294963869
ADAMTS2	Monocytes	-0.0207573832985594		0.869635218478735
BPTF	Monocytes	-0.163780817002048		0.192354586187652
EIF2AK4	Monocytes	-0.18221392567405		0.146294792622499
ANKRD12	Monocytes	-0.138067231315948		0.272729672781522
RHBDF1	Monocytes	0.352752801065593	**	0.00395070057355694
CMTM8	Monocytes	-0.0555984900768509		0.660015042079161
JMJD1C	Monocytes	-0.442992936249743	***	0.000219533153206153
YLPM1	Monocytes	-0.186448247765996		0.136988051218418
LRP1B	Monocytes	0.350183039527914	**	0.00424132052310886
GTPBP1	Monocytes	-0.0616047839137955		0.625904017895458
SNX13	Monocytes	-0.308875386511379	*	0.0122986598658902
FADS2	Monocytes	-0.0901068984292219		0.475336458944785
TNRC6B	Monocytes	-0.375704035179912	**	0.00204178499315149
DIP2C	Monocytes	0.187898042830086		0.133906171643426
ARHGEF11	Monocytes	0.225224512575389		0.071256571106728
ZC3H12C	Monocytes	-0.332049094916756	**	0.00688706956930086
SLC39A11	Monocytes	-0.223475553450455		0.0735400720553994
JARID2	Monocytes	-0.0321486302306956		0.799320115923249
MAPKBP1	Monocytes	-0.27941923282828	*	0.0241872123264205
CACNB2	Monocytes	0.0788182237223569		0.53256515589705
PCSK2	Monocytes	0.341530294383503	**	0.00536382196434242
SIK3	Monocytes	-0.303973698437551	*	0.0138273265293674
R3HDM1	Monocytes	-0.265381534588677	*	0.0326361805728372
MARK4	Monocytes	-0.368938324880825	**	0.00249269756207303
PIGU	Monocytes	-0.0886906377302083		0.482330690518267
FOXN3	Monocytes	0.0701884911980113		0.578495421770746
NAV3	Monocytes	0.142464294528165		0.257599353841528
SEMA7A	Monocytes	-0.188744190545633		0.132131838935847
HDAC4	Monocytes	-0.136119647684012		0.279617169306606
SPI1	Monocytes	-0.206446214602413		0.0989522664097633
ARHGAP8	Macrophages M0	-0.0375567497656479		0.766449829415534
ADCY8	Macrophages M0	0.0500897013504498		0.691921160098672
DACH1	Macrophages M0	-0.372395844356527	**	0.00225222848977337
HUNK	Macrophages M0	-0.0548799391651871		0.66414422288949
TNFRSF13B	Macrophages M0	-0.024487350822739		0.846472127309874
ADAMTS2	Macrophages M0	0.179732347596789		0.151964178502536
BPTF	Macrophages M0	0.0381469166616526		0.762886388419282
EIF2AK4	Macrophages M0	0.187737950520048		0.134243891848177
ANKRD12	Macrophages M0	-0.154548698325668		0.218983297777262
RHBDF1	Macrophages M0	-0.159227932393147		0.205180775447806
CMTM8	Macrophages M0	-0.0611794299900472		0.628295234973306
JMJD1C	Macrophages M0	0.0569141497440482		0.652480757601113
YLPM1	Macrophages M0	-0.12080586050591		0.337767063894758
LRP1B	Macrophages M0	-0.249201732526495	*	0.0453010598657418
GTPBP1	Macrophages M0	0.20009632661743		0.110012962791359
SNX13	Macrophages M0	-0.13683893958446		0.277060127077494
FADS2	Macrophages M0	0.175490858107043		0.162029678452211
TNRC6B	Macrophages M0	-0.0125771084176894		0.920791861686167
DIP2C	Macrophages M0	-0.133142363371261		0.290367344437182
ARHGEF11	Macrophages M0	-0.212476575946843		0.0892692119345075
ZC3H12C	Macrophages M0	0.185310021764634		0.139444802677635
SLC39A11	Macrophages M0	0.0594076981955553		0.638296184321799

Gene	Immune	cor	text	pvalue
JARID2	Macrophages M0	-0.0479679978434657		0.704357370028311
MAPKBP1	Macrophages M0	0.283302101262457	*	0.0222071647084023
CACNB2	Macrophages M0	0.0882147447800716		0.484693091752717
PCSK2	Macrophages M0	-0.111815962141266		0.375195935294304
SIK3	Macrophages M0	-0.140491769333598		0.264315019528521
R3HDM1	Macrophages M0	-0.11623435501148		0.356497884703081
MARK4	Macrophages M0	0.130867547240062		0.298761627059443
PIGU	Macrophages M0	0.0729034823585368		0.563851017674067
FOXN3	Macrophages M0	-0.200840016506476		0.108670305274903
NAV3	Macrophages M0	0.0117572476221409		0.925940179142332
SEMA7A	Macrophages M0	0.23353721718658		0.0611672287828548
HDAC4	Macrophages M0	0.0165361634152577		0.895980282847321
SPI1	Macrophages M0	0.140754248117967		0.263414652346611
ARHGAP8	Macrophages M1	0.185867470706915		0.138237499180712
ADCY8	Macrophages M1	0.259899384650516	*	0.0365464591600764
DACH1	Macrophages M1	0.124893793163998		0.321550618547911
HUNK	Macrophages M1	0.071549289141521		0.571133605351356
TNFRSF13B	Macrophages M1	-0.256296136112599	*	0.039322930584857
ADAMTS2	Macrophages M1	0.0922620827405722		0.464798094509872
BPTF	Macrophages M1	-0.207171912197729		0.0977454504743639
EIF2AK4	Macrophages M1	0.0791131967827881		0.531027658838762
ANKRD12	Macrophages M1	0.0274197644142792		0.828351309596735
RHBDF1	Macrophages M1	-0.109062185579829		0.387143011652094
CMTM8	Macrophages M1	-0.0272212722671183		0.829575191945708
JMJD1C	Macrophages M1	-0.306997902579568	*	0.0128659805885977
YLPM1	Macrophages M1	0.0631058573559205		0.617496190068119
LRP1B	Macrophages M1	0.0924819637766556		0.463730104284517
GTPBP1	Macrophages M1	0.278545296510383	*	0.0246528946684252
SNX13	Macrophages M1	0.0689986691229542		0.584967715851863
FADS2	Macrophages M1	0.489680417915887	***	3.47514612232251e-05
TNRC6B	Macrophages M1	-0.130301501982991		0.300874704765935
DIP2C	Macrophages M1	0.236152232753514		0.0582436176383939
ARHGEF11	Macrophages M1	0.0157434821835676		0.900940880044157
ZC3H12C	Macrophages M1	-0.186678999634761		0.13649399289324
SLC39A11	Macrophages M1	0.321510050961069	**	0.0090136328895249
JARID2	Macrophages M1	-0.176520495767711		0.159542262236942
MAPKBP1	Macrophages M1	-0.0628859763198371		0.618724770752817
CACNB2	Macrophages M1	-0.11288692392519		0.370610353637651
PCSK2	Macrophages M1	0.348863251849838	**	0.00439780762032312
SIK3	Macrophages M1	0.187558523779095		0.134623162185561
R3HDM1	Macrophages M1	-0.104091682481856		0.409271975959131
MARK4	Macrophages M1	-0.354975944652955	**	0.00371366374464961
PIGU	Macrophages M1	-0.0690866215373875		0.584488157227486
FOXN3	Macrophages M1	0.263637362263933	*	0.0338404224163994
NAV3	Macrophages M1	-0.116958557024354		0.353488790417549
SEMA7A	Macrophages M1	0.159990686390149		0.202990714940701
HDAC4	Macrophages M1	0.000351809657733355		0.997780811318898
SPI1	Macrophages M1	-0.33193241207142	**	0.00690796476761006
ARHGAP8	Macrophages M2	-0.175624118041768		0.16170614718554
ADCY8	Macrophages M2	0.144759930534136		0.249930260983492
DACH1	Macrophages M2	-0.105852883033461		0.401348337523559
HUNK	Macrophages M2	0.0189355490368202		0.880989872837264
TNFRSF13B	Macrophages M2	0.0175975399733251		0.889344434241323
ADAMTS2	Macrophages M2	0.160717981577534		0.200917989465042
BPTF	Macrophages M2	-0.00428224430514663		0.972992928310589
EIF2AK4	Macrophages M2	0.0147536698325755		0.907140406506475

Gene	Immune	cor	text	pvalue
ANKRD12	Macrophages M2	0.113147396403734		0.369500234165558
RHBDF1	Macrophages M2	-0.247753958692887	*	0.0466085397085628
CMTM8	Macrophages M2	-0.238467479742853		0.0557506786473702
JMJD1C	Macrophages M2	0.246128682445029	*	0.0481130856932611
YLPM1	Macrophages M2	0.115988601608932		0.357522571494375
LRP1B	Macrophages M2	-0.0184337235323109		0.884121819004001
GTPBP1	Macrophages M2	0.232713213957812		0.0621126660983431
SNX13	Macrophages M2	0.0587470390612303		0.642042056418406
FADS2	Macrophages M2	-0.0527758922203808		0.676292177953441
TNRC6B	Macrophages M2	0.115453321070789		0.359760718211598
DIP2C	Macrophages M2	0.0380383732418103		0.763541410547182
ARHGEF11	Macrophages M2	-0.0683486337141763		0.588517540849226
ZC3H12C	Macrophages M2	-0.0393431195535346		0.755678784236037
SLC39A11	Macrophages M2	0.0983912539174706		0.435532942436939
JARID2	Macrophages M2	0.0721290525148135		0.56801040545327
MAPKBP1	Macrophages M2	0.15332441914443		0.222699561376151
CACNB2	Macrophages M2	-0.137500188235567		0.274723186152743
PCSK2	Macrophages M2	-0.110535431126597		0.38072352275292
SIK3	Macrophages M2	0.194173015211492		0.121168015805725
R3HDM1	Macrophages M2	0.351445128324729	**	0.0040963051839192
MARK4	Macrophages M2	0.00920013424933846		0.942016079347483
PIGU	Macrophages M2	0.0923024377960902		0.464601984880332
FOXN3	Macrophages M2	0.114115119725431		0.365393550540314
NAV3	Macrophages M2	-0.0909337622492447		0.471278227115781
SEMA7A	Macrophages M2	-0.138776028627618		0.270251418221049
HDAC4	Macrophages M2	0.0888900243654265		0.481342725485248
SPI1	Macrophages M2	-0.0530596833434574		0.674648786221167
ARHGAP8	Dendritic cells resting	-0.0810486703877368		0.520994163579982
ADCY8	Dendritic cells resting	-0.202165894694588		0.106307992259723
DACH1	Dendritic cells resting	-0.00569311385973296		0.964100053841191
HUNK	Dendritic cells resting	-0.0704124135784493		0.577281030871855
TNFRSF13B	Dendritic cells resting	-0.0046452055393975		0.970704785172495
ADAMTS2	Dendritic cells resting	-0.17410728297541		0.165416968386416
BPTF	Dendritic cells resting	0.0197067172609609		0.876180485321983
EIF2AK4	Dendritic cells resting	-0.0759803432172605		0.547468533060649
ANKRD12	Dendritic cells resting	0.218233202421782		0.0807361181854282
RHBDF1	Dendritic cells resting	0.086475897061713		0.493376754683309
CMTM8	Dendritic cells resting	0.0937476692557142		0.457608426275097
JMJD1C	Dendritic cells resting	0.1735755144144		0.166732592708236
YLPM1	Dendritic cells resting	0.0856772993297969		0.49739195705551
LRP1B	Dendritic cells resting	-0.0366294697025163		0.77205849294975
GTPBP1	Dendritic cells resting	-0.0973136466648405		0.440601731566392
SNX13	Dendritic cells resting	0.199256807860827		0.111543961122961
FADS2	Dendritic cells resting	0.158062111721048		0.208560446799252
TNRC6B	Dendritic cells resting	0.16932136592632		0.177534955130701
DIP2C	Dendritic cells resting	-0.134818970467844		0.28428063855157
ARHGEF11	Dendritic cells resting	0.0922149245798617		0.465027321469552
ZC3H12C	Dendritic cells resting	-0.0469207553832403		0.710524502929196
SLC39A11	Dendritic cells resting	-0.00963439510535868		0.939284192391744
JARID2	Dendritic cells resting	0.220996757855062		0.0768761041419192
MAPKBP1	Dendritic cells resting	-0.00319061136606034		0.979875922581453
CACNB2	Dendritic cells resting	0.040664654665475		0.74774008577388
PCSK2	Dendritic cells resting	0.0744788790449968		0.555434194293916
SIK3	Dendritic cells resting	0.206075957643192		0.0995724491973131
R3HDM1	Dendritic cells resting	0.104946089540514		0.405416716049448
MARK4	Dendritic cells resting	0.16719429168228		0.18312299796118

Gene	Immune	cor	text	pvalue
PIGU	Dendritic cells resting	0.237919510296617		0.0563327238292953
FOXN3	Dendritic cells resting	0.133974396870946		0.287336138721977
NAV3	Dendritic cells resting	-0.0072103924357457		0.954541362648638
SEMA7A	Dendritic cells resting	0.0381478246220906		0.762880909889055
HDAC4	Dendritic cells resting	-0.00800780891873968		0.949520196604848
SPI1	Dendritic cells resting	0.142670376868639		0.256904451833078
ARHGAP8	Dendritic cells activated	-0.0512119747534989		0.685375428764624
ADCY8	Dendritic cells activated	-0.166797897090398		0.1841782745144
DACH1	Dendritic cells activated	-0.138482252824043		0.271276747549752
HUNK	Dendritic cells activated	0.00642876006090417		0.959464850202297
TNFRSF13B	Dendritic cells activated	-0.0446956773681263		0.723688961093973
ADAMTS2	Dendritic cells activated	-0.369019574108227	**	0.00248679357824189
BPTF	Dendritic cells activated	0.203358736620438		0.104216842283411
EIF2AK4	Dendritic cells activated	0.119085126842463		0.344743717695905
ANKRD12	Dendritic cells activated	-0.0971551195988981		0.441350177070995
RHBDF1	Dendritic cells activated	0.134983569664111		0.283687659566142
CMTM8	Dendritic cells activated	-0.166404299535649		0.185230445506951
JMJD1C	Dendritic cells activated	0.291262190514434	*	0.0185749592792376
YLPM1	Dendritic cells activated	-0.221989020878568		0.0755265238461692
LRP1B	Dendritic cells activated	0.0888218481884107		0.481680418899829
GTPBP1	Dendritic cells activated	-0.0140820458476948		0.911350181977642
SNX13	Dendritic cells activated	0.0278142272022793		0.825920301814602
FADS2	Dendritic cells activated	-0.430184961283341	***	0.000348079964910985
TNRC6B	Dendritic cells activated	-0.0520860764118154		0.680293064776712
DIP2C	Dendritic cells activated	-0.0380477636257594		0.763484736281384
ARHGEF11	Dendritic cells activated	0.0587772348425524		0.6418706544071
ZC3H12C	Dendritic cells activated	0.167716291384813		0.181740017366917
SLC39A11	Dendritic cells activated	-0.215035464077999		0.0853925457279302
JARID2	Dendritic cells activated	0.0748272684639934		0.553580984967979
MAPKBP1	Dendritic cells activated	-0.018499085073214		0.883713789527559
CACNB2	Dendritic cells activated	0.192862801827125		0.123748216399766
PCSK2	Dendritic cells activated	-0.122058975033902		0.332742479567209
SIK3	Dendritic cells activated	-0.437505548634594	***	0.000268060054025156
R3HDM1	Dendritic cells activated	0.0305256770238851		0.80925530420086
MARK4	Dendritic cells activated	-0.00262398369832823		0.983449247268321
PIGU	Dendritic cells activated	0.0696230341289758		0.581567250885311
FOXN3	Dendritic cells activated	-0.125557619965006		0.318964911466375
NAV3	Dendritic cells activated	0.27659881531502	*	0.0257173886263122
SEMA7A	Dendritic cells activated	-0.0609002846590505		0.629866583128919
HDAC4	Dendritic cells activated	-0.161549929693741		0.198565544849051
SPI1	Dendritic cells activated	-0.0922330269962374		0.464939321770117
ARHGAP8	Mast cells resting	-0.128271497694821		0.308532541948158
ADCY8	Mast cells resting	-0.0334114986736875		0.791611035322977
DACH1	Mast cells resting	0.0761304923227037		0.546674996609184
HUNK	Mast cells resting	-0.094280543835267		0.455044445430052
TNFRSF13B	Mast cells resting	-0.0596557844168795		0.636891877218991
ADAMTS2	Mast cells resting	0.0602331861902809		0.633628390986211
BPTF	Mast cells resting	0.0661293330150493		0.600709604761346
EIF2AK4	Mast cells resting	0.234978792575328		0.0595412045456401
ANKRD12	Mast cells resting	-0.260505552397108	*	0.0360957939967412
RHBDF1	Mast cells resting	-0.223593579577994		0.0733841579191644
CMTM8	Mast cells resting	-0.274691075600974	*	0.0267980826820248
JMJD1C	Mast cells resting	0.140062389768763		0.265792357564109
YLPM1	Mast cells resting	0.0420823028277586		0.739252971559373
LRP1B	Mast cells resting	0.0726035334500891		0.565460314211895
GTPBP1	Mast cells resting	0.115495111332228		0.359585673853001

Gene	Immune	cor	text	pvalue
SNX13	Mast cells resting	0.125842270956086		0.317860233213751
FADS2	Mast cells resting	-0.145786713468382		0.246550964460186
TNRC6B	Mast cells resting	0.0535277643111326		0.671941508836128
DIP2C	Mast cells resting	0.0146825617008938		0.907585997686642
ARHGEF11	Mast cells resting	-0.237059785572305		0.0572558516524494
ZC3H12C	Mast cells resting	0.233764879993758		0.0609080761105995
SLC39A11	Mast cells resting	0.114049977306549		0.365669116174522
JARID2	Mast cells resting	-0.164629668205298		0.190028319501048
MAPKBP1	Mast cells resting	0.0999454692159268		0.428280462997952
CACNB2	Mast cells resting	-0.123819083320136		0.325765010578021
PCSK2	Mast cells resting	-0.21896670757081		0.0796969247564945
SIK3	Mast cells resting	-0.1194836812431		0.343119864170651
R3HDM1	Mast cells resting	0.287466060387972	*	0.0202383604729061
MARK4	Mast cells resting	0.124686163735543		0.322362101475487
PIGU	Mast cells resting	0.0649154204334794		0.607425182527787
FOXN3	Mast cells resting	-0.301917400644757	*	0.0145157951439879
NAV3	Mast cells resting	-0.0334125939471226		0.791604357821946
SEMA7A	Mast cells resting	0.0324298705957366		0.797601625243782
HDAC4	Mast cells resting	0.0539324018383226		0.66960451478352
SPI1	Mast cells resting	0.127345210342792		0.31206822430766
ARHGAP8	Mast cells activated	0.0700731260072474		0.579121535093873
ADCY8	Mast cells activated	0.239372166292471		0.0548004397784378
DACH1	Mast cells activated	-0.000500784062453747		0.996841096133763
HUNK	Mast cells activated	-0.0132889538180533		0.916324445687492
TNFRSF13B	Mast cells activated	0.0282271211787953		0.823377449665276
ADAMTS2	Mast cells activated	0.0282390268633632		0.823304153927343
BPTF	Mast cells activated	-0.165647786470991		0.187264939612254
EIF2AK4	Mast cells activated	-0.121847980964062		0.333585182944776
ANKRD12	Mast cells activated	0.15166594268526		0.227803754147668
RHBDF1	Mast cells activated	-0.0976528921784806		0.439002458014621
CMTM8	Mast cells activated	0.142221119721886		0.258420965626178
JMJD1C	Mast cells activated	-0.271373139641092	*	0.0287687767073095
YLPM1	Mast cells activated	-0.00811017034484134		0.948875785500876
LRP1B	Mast cells activated	-0.216629489813413		0.0830455790187965
GTPBP1	Mast cells activated	0.0702800002473149		0.577999002154787
SNX13	Mast cells activated	-0.314440098430114	*	0.0107423597651312
FADS2	Mast cells activated	0.348545707467808	**	0.00443621251135545
TNRC6B	Mast cells activated	-0.0745549394351078		0.555029349361058
DIP2C	Mast cells activated	0.16747990326576		0.182365361693618
ARHGEF11	Mast cells activated	0.13960729976135		0.267364201738956
ZC3H12C	Mast cells activated	-0.208030754989967		0.0963320821285326
SLC39A11	Mast cells activated	0.0240373723473611		0.84926003787235
JARID2	Mast cells activated	-0.0819078348381115		0.516570995357377
MAPKBP1	Mast cells activated	0.0245992214977567		0.84577930504087
CACNB2	Mast cells activated	0.0489785889801413		0.698424001115839
PCSK2	Mast cells activated	0.14256311485691		0.257265976717798
SIK3	Mast cells activated	0.2691990277113	*	0.0301250325319201
R3HDM1	Mast cells activated	-0.209643017769363		0.0937219840882875
MARK4	Mast cells activated	0.0297291485231082		0.814142495666456
PIGU	Mast cells activated	-0.18541021963056		0.139227215726581
FOXN3	Mast cells activated	0.219854015372205		0.0784540443109403
NAV3	Mast cells activated	0.0748993897914191		0.553197715195323
SEMA7A	Mast cells activated	0.135947522566617		0.280231378373784
HDAC4	Mast cells activated	-0.034101800606622		0.7874054827868
SPI1	Mast cells activated	0.0786833092793192		0.533269106658797
ARHGAP8	Eosinophils	-0.0824338676643682		0.513872268966961

Gene	Immune	cor	text	pvalue
ADCY8	Eosinophils	-0.0396798742214054		0.753653409938409
DACH1	Eosinophils	0.124888261403754		0.321572221561762
HUNK	Eosinophils	-0.0518367650897866		0.681741224902144
TNFRSF13B	Eosinophils	0.189780114998997		0.129983825694928
ADAMTS2	Eosinophils	0.0637488863433682		0.613909277933994
BPTF	Eosinophils	0.247190114323752	*	0.0471260606381952
EIF2AK4	Eosinophils	-0.170713208010803		0.173946156651999
ANKRD12	Eosinophils	0.110094339346151		0.382638800512761
RHBDF1	Eosinophils	0.233512764027141		0.0611951171786211
CMTM8	Eosinophils	-0.0238786357548965		0.850243955754667
JMJD1C	Eosinophils	-0.0592342467815085		0.639278769738429
YLPM1	Eosinophils	0.228560426975114		0.0670585389045391
LRP1B	Eosinophils	-0.0302426457396866		0.810991053800358
GTPBP1	Eosinophils	-0.338217214405344	**	0.00585845444264309
SNX13	Eosinophils	-0.147786454091238		0.24005953179947
FADS2	Eosinophils	-0.156912635925296		0.2119311021576
TNRC6B	Eosinophils	0.0984245817733147		0.435376701951363
DIP2C	Eosinophils	-0.124560537309141		0.322853722758523
ARHGEF11	Eosinophils	0.0360899198710109		0.775327344106695
ZC3H12C	Eosinophils	0.112920382294226		0.370467642874835
SLC39A11	Eosinophils	-0.145964280292175		0.245969749781523
JARID2	Eosinophils	0.180068846620922		0.151185990718647
MAPKBP1	Eosinophils	0.0478660580052594		0.704956861010414
CACNB2	Eosinophils	0.149445448147103		0.234764194523163
PCSK2	Eosinophils	-0.104326249152372		0.408211449019907
SIK3	Eosinophils	-0.179960060125455		0.151437245598405
R3HDM1	Eosinophils	-0.0995668399757129		0.430040923338782
MARK4	Eosinophils	0.314474561769781	*	0.0107332802134937
PIGU	Eosinophils	0.111098208495162		0.378288231130638
FOXN3	Eosinophils	-0.0273326069859578		0.828888663516051
NAV3	Eosinophils	0.0116813328678153		0.926417042388591
SEMA7A	Eosinophils	0.081062194674094		0.520924390424989
HDAC4	Eosinophils	0.126817857090071		0.314092751439999
SPI1	Eosinophils	0.0904559709803937		0.473620939172069
ARHGAP8	Neutrophils	0.0235013711376008		0.852583315402318
ADCY8	Neutrophils	-0.102800963874289		0.4151361507358
DACH1	Neutrophils	-0.228164615318215		0.0675460023554165
HUNK	Neutrophils	0.0983370650598247		0.435787046359421
TNFRSF13B	Neutrophils	0.114180777091249		0.365115934658088
ADAMTS2	Neutrophils	-0.0956674785139194		0.448408232273261
BPTF	Neutrophils	0.054135714053851		0.668431455759606
EIF2AK4	Neutrophils	0.0458206084190639		0.717023163388948
ANKRD12	Neutrophils	0.0804175816275885		0.524255228510136
RHBDF1	Neutrophils	-0.248099204802717	*	0.0462939684154029
CMTM8	Neutrophils	0.0454704987081255		0.719095517862165
JMJD1C	Neutrophils	0.343632681286045	**	0.00506937552839794
YLPM1	Neutrophils	0.129671884188812		0.303236489778777
LRP1B	Neutrophils	-0.213698214814029		0.0874015424062163
GTPBP1	Neutrophils	-0.0127352407353845		0.919799235491073
SNX13	Neutrophils	0.144989184042367		0.249173029153939
FADS2	Neutrophils	0.120460938652227		0.339158394487285
TNRC6B	Neutrophils	0.213785742241764		0.0872689188137377
DIP2C	Neutrophils	-0.0495842878116517		0.694876404030284
ARHGEF11	Neutrophils	-0.0849016049025634		0.501308203577315
ZC3H12C	Neutrophils	0.263982722047558	*	0.0335990732299021
SLC39A11	Neutrophils	0.219868898469319		0.078433329127322

Gene	Immune	cor	text	pvalue
JARID2	Neutrophils	-0.0852954783273691		0.499317666192968
MAPKBP1	Neutrophils	0.27334815681516	*	0.0275815582438959
CACNB2	Neutrophils	0.106083242414337		0.400318640905285
PCSK2	Neutrophils	-0.168140188678169		0.180622525056584
SIK3	Neutrophils	0.163895108433041		0.192040187198998
R3HDM1	Neutrophils	0.109190466098915		0.386581497812097
MARK4	Neutrophils	0.166477167551212		0.185035327038214
PIGU	Neutrophils	0.1334355635814		0.289296790922602
FOXN3	Neutrophils	-0.0616193091251594		0.625822428922525
NAV3	Neutrophils	-0.125562211046903		0.318947074883025
SEMA7A	Neutrophils	0.362222251561412	**	0.00302619462875943
HDAC4	Neutrophils	-0.0760175709875014		0.547271732853429
SPI1	Neutrophils	-0.0274398485947976		0.828227495189881

Supplementary Table 9

Part 1

id.exposure	id.outcome	outcome	exposure	method	nsnp	b	se	pval	lo_ci	up_ci	or	or_lci95	or_uci95
PofnRa	ebi-a-GCST005647	Amyotrophic lateral sclerosis	eqtl-a-ENSG00000172572	MR Egger	21	-0.051303811759 3055	0.0639831128869307	0.4325639290238 28	-0.1767107130176 9	0.0741030894990787	0.9499900085493 75	0.8380221783677 01	1.0769178186924 5
PofnRa	ebi-a-GCST005647	Amyotrophic lateral sclerosis	eqtl-a-ENSG00000172572	Weighted median	21	0.0563393273748468	0.0374176497903111	0.1321471411068 69	-0.0169992666214 1629	0.1296779209638 56	1.0579566164766 9	0.9831444060520 86	1.1384616496383 7
PofnRa	ebi-a-GCST005647	Amyotrophic lateral sclerosis	eqtl-a-ENSG00000172572	Inverse variance weighted	21	0.0940124211863837	0.0271785957012293	0.0005420620685 52258	0.0407423736119743	0.1472824687607 93	1.0985733914172 8	1.0415837315222 7	1.1586812080544 2
PofnRa	ebi-a-GCST005647	Amyotrophic lateral sclerosis	eqtl-a-ENSG00000172572	Simple mode	21	0.1760121051680 96	0.0583827096638511	0.0068439454768 4109	0.0615819942269483	0.2904422161092 45	1.1924524934011 8	1.0635176952651 2	1.3370186084813 8
PofnRa	ebi-a-GCST005647	Amyotrophic lateral sclerosis	eqtl-a-ENSG00000172572	Weighted mode	21	0.0340775806709605	0.0381776049332732	0.3826824227883 9	-0.0407505249982 55	0.1089056863401 76	1.0346648736096 1	0.9600686131929 67	1.1150571802584 6

Part 2

id.exposure	id.outcome	outcome	exposure	method	nsnp	b	se	pval	lo_ci	up_ci	or	or_lci95	or_uci95
PofnRa	ebi-a-GCST005647	Amyotrophic lateral sclerosis	eqtl-a-ENSG00000130158	MR Egger	377	0.19412254697020 7	0.0422871131596922	6.0401496616133 1e-06	0.1112398051772 1	0.2770052887632 04	1.2142450758941 2	1.1176628960694 3	1.3191733478119 7
PofnRa	ebi-a-GCST005647	Amyotrophic lateral sclerosis	eqtl-a-ENSG00000130158	Weighted median	377	-0.134416165	0.0137881315688833	1.8687134081876 3e-22	-0.161440903	-0.107391427	0.8742261665984 26	0.8509168167590 81	0.8981740345387 56
PofnRa	ebi-a-GCST005647	Amyotrophic lateral sclerosis	eqtl-a-ENSG00000130158	Inverse variance weighted	377	-0.134447544	0.0384425199830055	0.0005260804075 91135	-0.209794883	-0.059100205	0.8741987348506 73	0.8107505276897 34	0.9426123103394 11
PofnRa	ebi-a-GCST005647	Amyotrophic lateral sclerosis	eqtl-a-ENSG00000130158	Simple mode	377	-0.139287903	0.0100061883527159	4.7772591964518 6e-44	-0.158900033	-0.119675774	0.8699775228375 41	0.8530816350106 39	0.8872080457260 18
PofnRa	ebi-a-GCST005647	Amyotrophic lateral sclerosis	eqtl-a-ENSG00000130158	Weighted mode	377	-0.134447544	0.0375757128578045	0.0003914469222 92396	-0.208095941	-0.060799147	0.8741987348506 73	0.8121291165243 06	0.9410122263380 82

Part 3

id.exposure	id.outcome	outcome	exposure	method	nsnp	b	se	pval	lo_ci	up_ci	or	or_lci95	or_uci95
PofnRa	ebi-a-GCST005647	Amyotrophic lateral sclerosis	eqtl-a-ENSG00000048991	MR Egger	790	0.1888466752179 2	0.0375758362767467	6.2096035274291 3e-07	0.11519803611549 6	0.26249531432034 3	1.207855744066	1.1220956310300 3	1.3001703759723 4
PofnRa	ebi-a-GCST005647	Amyotrophic lateral sclerosis	eqtl-a-ENSG00000048991	Weighted median	790	0.2977254771508 17	0.0105592341322241	6.5939049329179 2e-175	0.27702937825165 8	0.31842157604997 6	1.3467920119455 3	1.3192051264058 7	1.3749557874915 6
PofnRa	ebi-a-GCST005647	Amyotrophic lateral sclerosis	eqtl-a-ENSG00000048991	Inverse variance weighted	790	0.2986931970627 26	0.0077962115050 8088	0	0.28341262251276 7	0.31397377161268 4	1.3480959602192 8	1.3276528682739 7	1.3688538332480 2
PofnRa	ebi-a-GCST005647	Amyotrophic lateral sclerosis	eqtl-a-ENSG00000048991	Simple mode	790	0.2864263244589 79	0.0407965797742644	4.7595714685637 8e-12	0.20646502810142 1	0.36638762081653 7	1.3316600535050 4	1.2293247416451 2	1.4425142828639
PofnRa	ebi-a-GCST005647	Amyotrophic lateral sclerosis	eqtl-a-ENSG00000048991	Weighted mode	790	0.2852576422459 97	0.0382560138940328	2.3420730483325 7e-13	0.21027585501369 2	0.36023942947830 1	1.3301046751353 2	1.2340184231781 6	1.4336726369614 4

Supplementary Informations

Supplementary Figure. 1 Mendelian randomization analysis of exposure factors and ALS susceptibility.

Forest plots show causal associations between exposure factors and ALS risk (20,806 cases, 59,804 controls). (A) Cardiovascular-metabolic factors with LDL cholesterol, ApoB, and blood pressure increasing risk. (B) Gut microbiota showing protective *Alistipes* species and detrimental *Bacteroides* associations. (C) Immune phenotypes demonstrating protective effects from CD3+ T cells and CD62L+ monocytes. Points represent odds ratios from inverse variance weighted analysis; horizontal lines show 95% confidence intervals.

Supplementary Figure. 2 Colocalization analysis between exposure traits and ALS susceptibility.

Scatter plots show posterior probability distributions across genomic regions. Colored dots represent five hypotheses (H0-H4), with PP4 indicating shared causal variants. PP4 >0.50 denotes significant colocalization. Notable genes: TOMM40 (PP4=0.832), APOC1 (0.847), APOE (0.846), CLPTM1 (0.823). Analysis performed using coloc package with 75-500 kb chromosomal windows, providing genetic evidence for shared causal pathways between exposures and ALS.

Supplementary Figure. 3 Mendelian randomization analysis of feature gene expression and ALS risk.

Forest plots present causal effects using eQTL and pQTL data. Horizontal lines represent 95% CI. (A) *DOCK6* (377 SNPs) shows protective effects: IVW OR=0.874

(0.851-0.898), weighted median OR=0.874 (0.811-0.943), all P<0.001. (B) *IGFBP5* (790 SNPs) increases risk: IVW OR=1.348 (1.328-1.369), weighted median OR=1.347 (1.319-1.375), P<0.001. (C) *PDE3A* (21 SNPs) shows modest risk: IVW OR=1.099 (1.042-1.159, P<0.001), though MR Egger non-significant (P=0.433). All instruments F>10. P values by Wald test.

Supplementary Table 1. Clinical characteristics and gene expression profiles of training datasets.

This table presents the merged gene expression data from three Gene Expression Omnibus datasets (GSE68607, GSE4595, and GSE41414) comprising the training cohort. The combined dataset includes 103 subjects with 31 healthy controls and 72 ALS patients. Expression profiles encompass genome-wide transcriptomic data used for differential expression analysis and predictive modeling development. Sample demographics, clinical characteristics, and quality control metrics for RNA sequencing or microarray platforms are detailed. This training dataset served as the primary source for identifying differentially expressed genes and developing predictive algorithms for ALS risk assessment.

Supplementary Table 2. Clinical characteristics and gene expression profiles of validation dataset.

This table describes the independent validation cohort derived from GSE87385, containing 12 subjects including 8 healthy controls and 4 ALS patients. The dataset provides external validation for predictive modeling models and biomarker performance assessment. Clinical demographics, disease characteristics, and

transcriptomic quality metrics are presented. Despite the smaller sample size, this independent dataset was crucial for confirming the generalizability of identified biomarkers and validating the predictive accuracy of the random forest model, which achieved 93.2% area under the curve in external validation.

Supplementary Table 3. Mendelian randomization analysis results for cardiovascular-metabolic factors and ALS risk.

This table presents comprehensive Mendelian randomization findings examining causal relationships between cardiovascular-metabolic exposures and ALS susceptibility. Results include odds ratios, confidence intervals, and statistical significance for blood pressure parameters, glucose metabolism markers, and circulating lipids. Notable findings include significant positive associations for LDL cholesterol (OR = 1.109, 95% CI = 1.075-1.143, P < 0.001), ApoB (OR = 1.096, 95% CI = 1.056-1.137, P < 0.001), and SBP (OR = 1.084, 95% CI = 1.045-1.124, P < 0.001). Sensitivity analyses including heterogeneity testing and pleiotropy assessment are provided to ensure robust causal inference.

Supplementary Table 4. Gut microbiota composition Mendelian randomization analysis and ALS associations.

This table details Mendelian randomization results investigating causal relationships between gut microbiota composition and ALS risk. The analysis encompasses 412 microbial species across 207 taxonomic levels derived from the Netherlands Microbiome Project. Significant associations include protective effects of *Alistipes* onderdonkii (OR = 0.883, 95% CI = 0.828-0.942, P < 0.001) and *Alistipes* putredinis

(OR = 0.873, 95% CI = 0.812-0.938, P < 0.001), while *Bacteroides* clarus (OR = 1.084, 95% CI = 1.053-1.116, P < 0.001) and *Bacteroides* vulgatus (OR = 1.127, 95% CI = 1.060-1.199, P < 0.001) increased ALS risk. Multiple testing corrections and instrumental variable strength assessments are included.

Supplementary Table 5. Immune cell phenotype associations with ALS susceptibility through Mendelian randomization.

This table presents Mendelian randomization findings for 731 immune phenotypes and ALS risk, derived from Sardinian population genetic data. Results encompass cellular counts, morphological characteristics, surface marker intensities, and absolute numbers across diverse immune cell populations. Significant associations include protective effects from CD3 expression on various T cell subsets (OR range: 0.954-0.972) and CD62L+ monocyte percentages (OR = 0.967, 95% CI = 0.950-0.984, P < 0.001). Multiple T cell subsets, particularly CD4+ populations, demonstrated notable relationships with disease susceptibility. Comprehensive sensitivity analyses ensure causal inference validity across immune phenotypes.

Supplementary Table 6. Differential expression analysis results for colocalized genes in ALS versus control samples.

This table summarizes differential expression analysis for 53 genes identified through colocalization studies between exposure traits and ALS. All examined genes demonstrated significant expression differences between control and ALS groups (P < 0.05), with 20 genes achieving high significance levels (P < 0.001). *ARHGAP8* showed the highest significance with substantial upregulation in ALS samples,

followed by *ADCY8* and *BPTF*. Key findings include *DOCK6* downregulation, *IGFBP5* upregulation, and *PDE3A* elevated expression in disease samples. Log fold changes, adjusted p-values, and false discovery rate corrections are provided. These differentially expressed associated genes formed the foundation for subsequent predictive modeling analyses.

Supplementary Table 7. Immune cell infiltration analysis comparing ALS patients and healthy controls.

This table presents immune cell composition differences between control and ALS samples across 22 distinct immune cell populations determined by CIBERSORT algorithm analysis. Significant alterations include elevated memory B cells ($P < 0.001$), increased M0 macrophages ($P < 0.05$), and enhanced neutrophil infiltration ($P < 0.05$) in ALS samples. CD8+ T cells showed reduced abundance while CD4+ memory resting T cells increased in disease samples. NK cell populations displayed mixed patterns with activated NK cells decreased and resting NK cells remaining stable. The analysis reveals altered inflammatory responses and immune dysregulation characteristic of ALS pathogenesis, supporting the neuroinflammatory component of disease progression.

Supplementary Table 8. Correlation analysis between differentially expressed genes and immune cell populations.

This table details correlation coefficients between the 53 differentially expressed associated genes and immune cell abundance patterns in ALS samples. The analysis reveals predominantly negative correlations between gene expression changes and

immune cell infiltration, suggesting that transcriptomic alterations in ALS may suppress specific immune functions. *ARHGAP8*, *ADCY8*, and other highly differentially expressed genes demonstrated strong negative correlations with multiple immune cell types, particularly T-cell subsets and NK cells. Spearman correlation coefficients, significance levels, and false discovery rate adjustments are provided. These correlations illuminate the complex interplay between gene expression dysregulation and immune system dysfunction in ALS pathogenesis.

Supplementary Table 9. Expression and protein quantitative trait loci Mendelian randomization results for feature genes.

This table presents Mendelian randomization analysis results using cis-eQTL and cis-pQTL data for three validated feature genes: *DOCK6*, *IGFBP5*, and *PDE3A*. The analysis employed multiple MR methods including inverse variance weighted, weighted median, and MR Egger approaches to assess causal effects of gene and protein expression levels on ALS susceptibility. *DOCK6* demonstrated consistent protective effects (OR = 0.874, 95% CI = 0.851-0.898, P < 0.001), while *IGFBP5* showed increased risk (OR = 1.348, 95% CI = 1.328-1.369, P < 0.001). *PDE3A* exhibited modest risk elevation (OR = 1.099, 95% CI = 1.042-1.159, P < 0.001). These findings provide external validation of differential expression patterns through genetic causal inference.

```
#devtools::install_github("mrcieu/gwasglue",force = TRUE)

#BiocManager::install("VariantAnnotation")

#install.packages("htmltools")

#install.packages("devtools")

#library(devtools)

#devtools::install_github("mrcieu/gwasglue", force = TRUE)

#install.packages("remotes")

#remotes::install_github("MRCIEU/TwoSampleMR")

#usethis::edit_r_environ()

#GITHUB_TOKEN="g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"

# 1 ， GITHUB_TOKEN  2.（tizi） 3.， 4.R 4.3.0

# Load required libraries

library(VariantAnnotation)

library(gwasglue)

library(TwoSampleMR)

exposureFile="exposure_data.csv"          # Exposure data

outcomeFile="ieu-a-30.vcf.gz"           # Outcome data()

outcomeName="Crohn's disease"     # Plot

setwd("D:\\BaiduNetdiskDownload\\MR\\07")     # Set working directory

# ReadExposure data

exposure_dat=read_exposure_data(filename=exposureFile,

sep = ",",

snp_col = "SNP",

beta_col = "beta.exposure",

se_col = "se.exposure",

pval_col = "pval.exposure",
```

```
effect_allele_col="effect_allele.exposure",
other_allele_col = "other_allele.exposure",
eaf_col = "eaf.exposure",
phenotype_col = "exposure",
samplesize_col = "samplesize.exposure",
chr_col="chr.exposure", pos_col = "pos.exposure",
clump=FALSE)
# ReadOutcome datavcffile,Data
vcfRT=readVcf(outcomeFile)
outcomeData=gwasvcf_to_TwoSampleMR(vcf=vcfRT, type="outcome")
# Outcome data
outcomeTab=merge(exposure_dat, outcomeData, by.x="SNP", by.y="SNP")
write.csv(outcomeTab[,-(2:ncol(exposure_dat))], file="outcome.csv")
# ReadOutcome data
outcome_data=read_outcome_data(snps=exposure_dat$SNP,
filename="outcome.csv", sep = ",",
snp_col = "SNP",
beta_col = "beta.outcome",
se_col = "se.outcome",
effect_allele_col = "effect_allele.outcome",
other_allele_col = "other_allele.outcome",
pval_col = "pval.outcome",
eaf_col = "eaf.outcome")
# Exposure dataOutcome data
outcome_data$outcome=outcomeName
dat=harmonise_data(exposure_dat, outcome_data)
```

```
# Output
outTab=dat[dat$mr_keep=="TRUE",]
write.csv(outTab, file="table.SNP.csv", row.names=F)
# Mendelian randomization analysis
mrResult=mr(dat)
# ResultsOR
mrTab=generate_odds_ratios(mrResult)
write.csv(mrTab, file="table.MRresult.csv", row.names=F)
# Heterogeneity analysis
heterTab=mr_heterogeneity(dat)
write.csv(heterTab, file="table.heterogeneity.csv", row.names=F)
# Pleiotropy test
pleioTab=mr_pleiotropy_test(dat)
write.csv(pleioTab, file="table.pleiotropy.csv", row.names=F)
# Draw scatter plot
pdf(file="pic.scatter_plot.pdf", width=7.5, height=7)
mr_scatter_plot(mrResult, dat)
dev.off()
# Forest plot
res_single=mr_singlesnp(dat)      # Outcome
pdf(file="pic.forest.pdf", width=7, height=5.5)
mr_forest_plot(res_single)
dev.off()
# Funnel plot
pdf(file="pic.funnel_plot.pdf", width=7, height=6.5)
mr_funnel_plot(singlesnp_results = res_single)
```

```
dev.off()

# Sensitivity analysis

pdf(file="pic.leaveoneout.pdf", width=7, height=5.5)

mr_leaveoneout_plot(leaveoneout_results = mr_leaveoneout(dat))

dev.off()

###

# Install necessary packages（）

#if (!requireNamespace("BiocManager", quietly = TRUE))

#    install.packages("BiocManager")

#BiocManager::install("limma")

#install.packages("tidyverse")

#install.packages("ggplot2")

#install.packages("reshape2")

# R

library(limma)      # Data

library(reshape2)   # Data

library(tidyverse)  # Data

library(ggplot2)    # Plotting

# filePath

expFile = "diffGeneExp.txt"  # Datafile

immFile = "CIBERSORT-Results.txt"  # Immune cellResultsfile

# Set working directory

setwd("D:\\BaiduNetdiskDownload\\MR\\29 基因和免疫细胞之间的相关性")  # Set
working directory

# ReadDatafile

rt = read.table(expFile, header = TRUE, sep = "\t", check.names = FALSE)
```

```
rt = as.matrix(rt)  # Data

rownames(rt) = rt[, 1]

exp = rt[, 2:ncol(rt)]  # Data（）

dimnames = list(rownames(exp), colnames(exp))

data = matrix(as.numeric(as.matrix(exp)), nrow = nrow(exp), dimnames = dimnames)  #
Data

data = avereps(data)  # Data

# Data

group = gsub("(.*)\\_(.*)", "\\2", colnames(data))

data = data[, group == "Treat", drop = FALSE]

data = t(data)  # ，  ，

# ReadImmune cellDatafile，

immune = read.table(immFile, header = TRUE, sep = "\t", check.names = FALSE, row.names
= 1)

sameSample = intersect(row.names(data), row.names(immune))  # Data

data = data[sameSample, , drop = FALSE]  # Data

immune = immune[sameSample, , drop = FALSE]  # Immune cellData

# Immune cellCorrelation

outTab = data.frame()  # Data

for (cell in colnames(immune)) {  # Immune cell

if (sd(immune[, cell]) == 0) { next }  # Immune cellData0，

for (gene in colnames(data)) {

x = as.numeric(immune[, cell])  # Immune cellData

y = as.numeric(data[, gene])  # Data

corT = cor.test(x, y, method = "spearman")  # SpearmanCorrelation

cor = corT$estimate

pvalue = corT$p.value  # p
```

```
text = ifelse(pvalue < 0.001, "***", ifelse(pvalue < 0.01, "**", ifelse(pvalue < 0.05, "*", "")))  #
p

outTab = rbind(outTab, cbind(Gene = gene, Immune = cell, cor, text, pvalue))  # ResultsSave
fileoutTab

}

}

# GenerateCorrelationHeatmap

outTab$cor = as.numeric(outTab$cor)

pdf(file = "cor.pdf", width = 7, height = 7)  # Save filePDF

ggplot(outTab, aes(Immune, Gene)) +  # Immune cellCorrelation

geom_tile(aes(fill = cor), colour = "grey", size = 1) +

scale_fill_gradient2(low = "# 5C5DAF", mid = "white", high = "#EA2E2D") +  #  （，  ）

geom_text(aes(label = text), col = "black", size = 3) +

theme_minimal() +

theme(axis.title.x = element_blank(), axis.ticks.x = element_blank(), axis.title.y =
element_blank(),

axis.text.x = element_text(angle = 45, hjust = 1, size = 8, face = "bold"),  # x

axis.text.y = element_text(size = 8, face = "bold")) +  # y

labs(fill = paste0("***  p<0.001", "\n", "**  p<0.01", "\n", " *  p<0.05", "\n", "\n",
"Correlation")) +

scale_x_discrete(position = "bottom")  # x

dev.off()  # PDFOutput

# Install necessary packages（）

#install.packages("caret")

#install.packages("DALEX")

#install.packages("ggplot2")

#install.packages("randomForest")

#install.packages("kernlab")
```

```
#install.packages("pROC")
#install.packages("xgboost")
# R
library(caret)     # Data
library(DALEX)     # Model
library(ggplot2)   # Plotting
library(randomForest)
library(kernlab)
library(xgboost)   # XGBoost
library(pROC)      # ROC curve
# Results
set.seed(123)
# filePath
inputFile = "GSE28750.normalize.txt"  # Data
geneFile = "gene.txt"  # file
# Set working directory
setwd("D:\\BaiduNetdiskDownload\\MR\\30Model")
# ReadDatafile
data = read.table(inputFile, header = TRUE, sep = "\t", check.names = FALSE, row.names = 1)
# Readfile，Data
geneRT = read.table(geneFile, header = FALSE, sep = "\t", check.names = FALSE)
data = data[as.vector(geneRT[, 1]), ]  # Data
row.names(data) = gsub("-", "_", row.names(data))  # "-"  "_"

data = t(data)  # Data，
group = gsub("(.*)\\_(.*)", "\\2", row.names(data))
```

```
data = as.data.frame(data)  # DataData

data$Type = group  # Data

# Data

inTrain <- createDataPartition(y = data$Type, p = 0.7, list = FALSE)  # 70%

train <- data[inTrain, ]

test <- data[-inTrain, ]

# Model

control = trainControl(method = "repeatedcv", number = 5, savePredictions = TRUE)  # 5

mod_rf = train(Type ~ ., data = train, method = 'rf', trControl = control)  # Model

# Model

mod_svm = train(Type ~ ., data = train, method = "svmRadial", prob.model = TRUE,
trControl = control)  # SVMModel

# XGBoostModel

mod_xgb = train(Type ~ ., data = train, method = "xgbDART", trControl = control)  #
XGBoostModel

# Model（GLM）

mod_glm = train(Type ~ ., data = train, method = "glm", family = "binomial", trControl =
control)  # GLMModel


p_fun = function(object, newdata) {

predict(object, newdata = newdata, type = "prob")[, 2]

}

yTest = ifelse(test$Type == "Control", 0, 1)  # 01

# ModelModel

explainer_rf = explain(mod_rf, label = "RF", data = test, y = yTest, predict_function = p_fun,
verbose = FALSE)

mp_rf = model_performance(explainer_rf)

# ModelModel
```

```
explainer_svm = explain(mod_svm, label = "SVM", data = test, y = yTest, predict_function =
p_fun, verbose = FALSE)

mp_svm = model_performance(explainer_svm)

# XGBoostModelModel

explainer_xgb = explain(mod_xgb, label = "XGB", data = test, y = yTest, predict_function =
p_fun, verbose = FALSE)

mp_xgb = model_performance(explainer_xgb)

# GLMModelModel

explainer_glm = explain(mod_glm, label = "GLM", data = test, y = yTest, predict_function =
p_fun, verbose = FALSE)

mp_glm = model_performance(explainer_glm)

# GenerateModel

pdf(file = "residual.pdf", width = 6, height = 6)

p1 <- plot(mp_rf, mp_svm, mp_xgb, mp_glm)

print(p1)

dev.off()

# GenerateModel

pdf(file = "boxplot.pdf", width = 6, height = 6)

p2 <- plot(mp_rf, mp_svm, mp_xgb, mp_glm, geom = "boxplot")

print(p2)

dev.off()

# ROC curve

pred1 = predict(mod_rf, newdata = test, type = "prob")

pred2 = predict(mod_svm, newdata = test, type = "prob")

pred3 = predict(mod_xgb, newdata = test, type = "prob")

pred4 = predict(mod_glm, newdata = test, type = "prob")

roc1 = roc(yTest, as.numeric(pred1[, 2]))
```

```
roc2 = roc(yTest, as.numeric(pred2[, 2]))

roc3 = roc(yTest, as.numeric(pred3[, 2]))

roc4 = roc(yTest, as.numeric(pred4[, 2]))

pdf(file = "ROC.pdf", width = 5, height = 5)

plot(roc1, print.auc = FALSE, legacy.axes = TRUE, main = "", col = "red")

plot(roc2, print.auc = FALSE, legacy.axes = TRUE, main = "", col = "blue", add = TRUE)

plot(roc3, print.auc = FALSE, legacy.axes = TRUE, main = "", col = "green", add = TRUE)

plot(roc4, print.auc = FALSE, legacy.axes = TRUE, main = "", col = "yellow", add = TRUE)

legend('bottomright',

c(paste0('RF: ', sprintf("%.03f", roc1$auc)),

paste0('SVM: ', sprintf("%.03f", roc2$auc)),

paste0('XGB: ', sprintf("%.03f", roc3$auc)),

paste0('GLM: ', sprintf("%.03f", roc4$auc))),

col = c("red", "blue", "green", "yellow"), lwd = 2, bty = 'n')

dev.off()

# Generate

importance_rf <- variable_importance(explainer_rf, loss_function = loss_root_mean_square)

importance_svm <- variable_importance(explainer_svm, loss_function =
loss_root_mean_square)

importance_glm <- variable_importance(explainer_glm, loss_function =
loss_root_mean_square)

importance_xgb <- variable_importance(explainer_xgb, loss_function =
loss_root_mean_square)


pdf(file = "importance.pdf", width = 7, height = 10)

plot(importance_rf[c(1, (ncol(data) - 8):(ncol(data) + 1)), ],

importance_svm[c(1, (ncol(data) - 8):(ncol(data) + 1)), ],
```

```
importance_xgb[c(1, (ncol(data) - 8):(ncol(data) + 1)), ],

importance_glm[c(1, (ncol(data) - 8):(ncol(data) + 1)), ])

dev.off()

# file

geneNum = 5  # 5

write.table(importance_rf[(ncol(data) - geneNum + 2):(ncol(data) + 1), ], file =
"importanceGene.RF.txt", sep = "\t", quote = FALSE, row.names = FALSE)

write.table(importance_svm[(ncol(data) - geneNum + 2):(ncol(data) + 1), ], file =
"importanceGene.SVM.txt", sep = "\t", quote = FALSE, row.names = FALSE)

write.table(importance_xgb[(ncol(data) - geneNum + 2):(ncol(data) + 1), ], file =
"importanceGene.XGB.txt", sep = "\t", quote = FALSE, row.names = FALSE)

write.table(importance_glm[(ncol(data) - geneNum + 2):(ncol(data) + 1), ], file =
"importanceGene.GLM.txt", sep = "\t", quote = FALSE, row.names = FALSE)

# Install necessary packages（）

#install.packages("rms")

#install.packages("rmda")

# R

library(rms)  # ModelNomogram

library(rmda) # Decision curveAnalysis (DCA)

# filePath

inputFile = "merge.normalize.txt"  # Datafile

geneFile = "importanceGene_Stepglm_both__plsRglm.txt"  # file

# Set working directory

setwd("D:\\BaiduNetdiskDownload\\MR\\32 列线图及校准曲线")  # Set working
directory

# ReadDatafile

data = read.table(inputFile, header = TRUE, sep = "\t", check.names = FALSE, row.names = 1)

row.names(data) = gsub("-", "_", row.names(data))  # "-"  "_"
```

```
# Readfile，Data

geneRT = read.table(geneFile, header = TRUE, sep = "\t", check.names = FALSE)

data = data[as.vector(geneRT[, 1]), ]  # Data

# Data

data = t(data)  # Data，，

group = gsub("(.*)\\_(.*)", "\\2", row.names(data))

rt = cbind(as.data.frame(data), Type = group)  # Data

# Data，Generateddist

ddist = datadist(rt)  # Generatedatadist，Nomogram

options(datadist = "ddist")  # datadist

# Model，GenerateNomogram

lrmModel = lrm(Type ~LAPTM5          +COTL1 +CDK6 +ARHGEF11    +MRPL33, data = rt, x
= TRUE, y = TRUE)  # Model

nomo = nomogram(lrmModel, fun = plogis, fun.at = c(0.0001, 0.1, 0.3, 0.5, 0.7, 0.9, 0.99), lp =
FALSE, funlabel = "Risk of Disease")  # GenerateNomogram

# Save fileNomogram

pdf("Nomo.pdf", width = 10, height = 6)  # PDF，Save file

plot(nomo)  # Nomogram

dev.off()  # PDF

# Calibration curveGenerate

cali = calibrate(lrmModel, method = "boot", B = 1000)  # bootstrapModel

pdf("Calibration.pdf", width = 5.5, height = 5.5)  # PDF，Save file

plot(cali, xlab = "Predicted probability", ylab = "Actual probability", sub = FALSE)  #
Calibration curve

dev.off()  # PDF

# Decision curveAnalysis (DCA)

rt$Type = ifelse(rt$Type == "Control", 0, 1)  # 01
```

```
dc = decision_curve(Type ~ LAPTM5   +COTL1 +CDK6 +ARHGEF11    +MRPL33, data = rt,
family = binomial(link = 'logit'),
thresholds = seq(0, 1, by = 0.01),
confidence.intervals = 0.95)  # GenerateDecision curve
# DCASave file
pdf(file = "DCA.pdf", width = 5.5, height = 5.5)  # PDF，Save file
plot_decision_curve(dc,
curve.names = "Model",
xlab = "Threshold probability",
cost.benefit.axis = TRUE,
col = "red",
confidence.intervals = FALSE,
standardize = FALSE)  # DCA
dev.off()  # PDF
# Install necessary packages（）
#install.packages("caret")
#install.packages("DALEX")
#install.packages("ggplot2")
#install.packages("randomForest")
#install.packages("kernlab")
#install.packages("pROC")
#install.packages("xgboost")
# R
library(caret)      # Model
library(DALEX)      # Model
library(ggplot2)    # Plotting
```

```
library(randomForest) # Model

library(kernlab)     # SVM Model

library(xgboost)     # XGBoostModel

library(pROC)       # ROC curveAUC

# Results

set.seed(123)

# filePath

inputFile = "merge.normalize.txt"  # Datafile

geneFile = "importanceGene_Stepglm_both__plsRglm.txt"  # file

# Set working directory

setwd("D:\\BaiduNetdiskDownload\\MR\\33 诊断模型的 ROC 曲线")  # Set working directory

# ReadDatafile

data = read.table(inputFile, header = TRUE, sep = "\t", check.names = FALSE, row.names = 1)

row.names(data) = gsub("-", "_", row.names(data))  # "-"  "_"

# Readfile，Data

geneRT = read.table(geneFile, header = TRUE, sep = "\t", check.names = FALSE)

data = data[as.vector(geneRT[, 1]), ]  # Data

# Data

data = t(data)  # Data，，

group = gsub("(.*)\\_(.*)", "\\2", row.names(data))

data = as.data.frame(data)

data$Type = group

# Data

inTrain <- createDataPartition(y = data$Type, p = 0.7, list = FALSE)  # 70%

train <- data[inTrain, ]
```

```
test <- data[-inTrain, ]

# fileModel

control = trainControl(method = "repeatedcv", number = 5, savePredictions = TRUE)  # 5

if(geneFile == "importanceGene.RF.txt") {

# Model

model = train(Type ~ ., data = train, method = 'rf', trControl = control)

} else if(geneFile == "importanceGene.SVM.txt") {

# SVMModel

model = train(Type ~ ., data = train, method = "svmRadial", prob.model = TRUE, trControl =
control)

} else if(geneFile == "importanceGene.XGB.txt") {

# XGBoostModel

model = train(Type ~ ., data = train, method = "xgbDART", trControl = control)

} else if(geneFile == "importanceGene.GLM.txt") {

# GLMModel

model = train(Type ~ ., data = train, method = "glm", family = "binomial", trControl = control)

}

# GenerateROC curve

yTest = ifelse(test$Type == "Control", 0, 1)  # 01

pred1 = predict(model, newdata = test, type = "prob")

roc1 = roc(yTest, as.numeric(pred1[, 2]))  # ROC curve

ci1 = ci.auc(roc1, method = "bootstrap")  # AUC95%

ciVec = as.numeric(ci1)

# Save fileROC curvePDFfile

pdf(file = "ROC.pdf", width = 5, height = 5)

plot(roc1, print.auc = TRUE, legacy.axes = TRUE, main = "", col = "red")  # ROC curve
```

```
text(0.39, 0.43, paste0("95% CI: ", sprintf("%.03f", ciVec[1]), "-", sprintf("%.03f", ciVec[3])),
col = "red")  # 95% CI

dev.off()  # PDFOutput

# e1071（）

#install.packages('e1071')

# BiocManager，preprocessCore

#if (!requireNamespace("BiocManager", quietly = TRUE))

#    install.packages("BiocManager")

# BiocManager::install("preprocessCore")

# filePath

inputFile = "merge.normalize.txt"  # file

# Set working directory，filePath

setwd("D:\\BaiduNetdiskDownload\\MR\\27 免疫浸润分析")  # Path

# CIBERSORTR

source("GEOimmune.CIBERSORT.R")  # CIBERSORTImmune cellAnalysis

# CIBERSORTImmune cellAnalysis

# "ref.txt"，Immune cell

# inputFile Data

# perm = 1000，QN=TRUE （Quantile Normalization）

outTab = CIBERSORT("ref.txt", inputFile, perm = 1000, QN = TRUE)

# P-value1Results

outTab = outTab[outTab,"P-value"] < 1,]  # p1

# Data，Data

outTab = as.matrix(outTab[, 1:(ncol(outTab) - 3)])  #（）

# Resultsfile

outTab = rbind(id = colnames(outTab), outTab)  # Results
```

```
write.table(outTab, file = "CIBERSORT-Results.txt", sep = "\t", quote = FALSE, col.names =
FALSE)  # ResultsSave filetxtfile

# ========================== 0. Set working directory（）
==========================

setwd("D:\\教程 2025\\12.5 分.113 机器学习+shap\\34.模型基因火山图分布")  #，
Windows

threshold_logFC <-0.585  # log2

threshold_adjP  <- 0.05    # P

max_display_genes <- 100    # Heatmap（）

result_dir <- "result_csv"

if(!dir.exists(result_dir)) dir.create(result_dir)

# Step 1

step1_start <- Sys.time()

cat("[Step 1] ...\n")

# R  ----------------------------------------------------

library(limma)    # ModelAnalysis

# pheatmap  ----------------------------------------------------

if (!requireNamespace("pheatmap", quietly = TRUE)) {

install.packages("pheatmap")

}

if (!requireNamespace("ggplot2", quietly = TRUE)) {

install.packages("ggplot2")

}

library(ggplot2)

library(ggrepel)

library(pheatmap) # Heatmap

# RColorBrewer （）---------------------------
```

```
if (!requireNamespace("RColorBrewer", quietly = TRUE)) {
install.packages("RColorBrewer")
}
library(RColorBrewer)
# Step 1
step1_end <- Sys.time()
cat("[Step 1] ，:",
round(difftime(step1_end, step1_start, units="secs"), 2), "\n\n")
# ========================== 2. filePath ==========================
step2_start <- Sys.time()
cat("[Step 2] filePath...\n")
# filePath（）--------------------------------------
file_expr  <- "batch_corrected_data.csv"  # file
step2_end <- Sys.time()
cat("[Step 2] ，:",
round(difftime(step2_end, step2_start, units="secs"), 2), "\n\n")
# ========================== Read ==========================
file_expr <- "batch_corrected_data.csv" # Datafile

tmp_head <- readLines(file_expr, 1)
sep <- ifelse(grepl(",", tmp_head), ",", "\t")
# Readfile，，
expr_raw <- read.table(file_expr, header=TRUE, sep=sep, check.names=FALSE,
stringsAsFactors=FALSE)
rownames(expr_raw) <- expr_raw[,1]
expr_mat <- expr_raw[,-1, drop=FALSE]
```

```
# matrix
expr_mat <- as.matrix(expr_mat)
expr_mat <- apply(expr_mat, 2, as.numeric)
rownames(expr_mat) <- rownames(expr_raw)
colnames(expr_mat) <- colnames(expr_raw)[-1]
combined_expr <- expr_mat

if(!is.numeric(expr_mat)) stop(" ！ ")
cat(":", dim(expr_mat)[1], " x", dim(expr_mat)[2], "\n")
# ========================  ========================
sample_names <- colnames(expr_mat)
group_info <- ifelse(grepl("_con$", sample_names, ignore.case = TRUE), "Control",
ifelse(grepl("_tra$", sample_names, ignore.case = TRUE), "Treatment", "Unknown"))
if(any(group_info == "Unknown")) stop("， ！ ")
num_ctrl <- sum(group_info == "Control")
num_treat <- sum(group_info == "Treatment")
cat("： Control =", num_ctrl, ", Treatment =", num_treat, "\n")
# ======================== Analysis（LIMMA） ========================
library(limma)
group_labels <- factor(group_info, levels = c("Control", "Treatment"))
design_mat <- model.matrix(~0 + group_labels)
colnames(design_mat) <- c("Control", "Treatment")
fit <- lmFit(expr_mat, design_mat)
contrast_mat <- makeContrasts(Treatment - Control, levels = design_mat)
fit2 <- contrasts.fit(fit, contrast_mat)
fit2 <- eBayes(fit2)
```

```
all_diff_results <- topTable(fit2, adjust.method = "fdr", number = Inf)

cat("Analysis！FDR<0.05：", sum(all_diff_results$adj.P.Val < 0.05), "\n")

# ：OutputAnalysis

write.table(cbind(Gene=rownames(all_diff_results), all_diff_results),

file="DE_results.csv", sep=",", quote=FALSE, row.names=FALSE)

# ：file

# write.csv(all_diff_results, file="DEG_results.csv")

step5_end <- Sys.time()

# cat("[Step 5]：", round(as.numeric(difftime(step5_end, step5_start, units = "secs")), 2),
"\n")

# ------------------------- Step 6: Output -------------------------

step6_start <- Sys.time()

cat("[Step 6] Output...\n")


significant_DEGs <- all_diff_results[with(all_diff_results,

(abs(logFC) > threshold_logFC & adj.P.Val < threshold_adjP)), ]

# Output， "Gene"，

# topTable Output：

# - logFC:

# - AveExpr:

# - t:  t

# - P.Value:  p

# - adj.P.Val:  p （FDR）

# - B:  odds

output_DEGs <- cbind(Gene = rownames(significant_DEGs), significant_DEGs)

# (SE)
```

```
# t：  t = logFC / SE  =>  SE = |logFC/t|

# t  0 ，  NA

SE <- ifelse(as.numeric(output_DEGs[, "t"]) != 0,

abs(as.numeric(output_DEGs[, "logFC"]) / as.numeric(output_DEGs[, "t"])),

NA)

output_DEGs <- cbind(output_DEGs, SE = SE)

#  （ EntrezID、GeneDescription、Chromosome ），

# merge() Results，：

# annotation_table <- read.table("gene_annotation.txt", sep="\t", header=TRUE,
stringsAsFactors = FALSE)

# output_DEGs <- merge(output_DEGs, annotation_table, by.x="Gene", by.y="GeneSymbol",
all.x=TRUE)

# ：，Results（ Gene, logFC, SE, AveExpr, t, P.Value, adj.P.Val, B ）

output_DEGs <- as.data.frame(output_DEGs, stringsAsFactors = FALSE)

desired_order <- c("Gene", "logFC", "SE", "AveExpr", "t", "P.Value", "adj.P.Val", "B")

existing_cols <- intersect(desired_order, colnames(output_DEGs))

output_DEGs <- output_DEGs[, c(existing_cols, setdiff(colnames(output_DEGs),
existing_cols))]

# Outputfile，

write.table(output_DEGs, file = "DE_significant_genes.csv", sep = ",", quote = FALSE,
row.names = FALSE)

step6_end <- Sys.time()

cat("[Step 6]，:", round(difftime(step6_end, step6_start, units = "secs"), 2), "\n\n")

# ========================= 7. Heatmap，  =========================

step7_start <- Sys.time()

cat("[Step 7] Heatmap\n")

# 1. PlottingData ------------------------------------------------------------
```

```
ordered_DEGs <- significant_DEGs[order(as.numeric(as.vector(significant_DEGs$logFC))), ]
ordered_gene_names <- rownames(ordered_DEGs)
total_DEG_count <- length(ordered_gene_names)
if (total_DEG_count > (max_display_genes * 2)) {
selected_gene_set <- ordered_gene_names[c(1:max_display_genes,
(total_DEG_count - max_display_genes + 1):total_DEG_count)]
} else {
selected_gene_set <- ordered_gene_names
}
heatmap_expr <- combined_expr[selected_gene_set, ]
# 2. ，  ----------
# "Treat"
sample_annotation <- data.frame(Group = factor(c(rep("Control", num_ctrl),
rep("Treat", num_treat))))
rownames(sample_annotation) <- colnames(combined_expr)
annotation_colors <- list(
Group = c("Control" = "# 66C2A5",   #
"Treat"   = "# FC8D62")    #
)
# 3. ，  RColorBrewer  "RdYlBu"  ----------
color_palette <- colorRampPalette(rev(brewer.pal(11, "RdYlBu")))(255)
# 4. Heatmap（），silent=TRUE  --------
heatmap_result <- pheatmap(
mat              = heatmap_expr,
annotation_col    = sample_annotation,
annotation_colors = annotation_colors,
```

```
color           = color_palette,
cluster_cols     = FALSE,
show_colnames     = FALSE,
scale           = "row",
fontsize         = 12,
fontsize_row     = 7,
fontsize_col     = 10,
border_color     = NA,
main             = "Differential Expression Heatmap",
silent           = TRUE
)
# 5. ，  ------------------------------------
control_count <- num_ctrl
treatment_count <- num_treat
sample_text <- paste("Control:", control_count, "| Treat:", treatment_count)
# 6. PDF， grid ， Heatmap ------------------------
library(grid)
pdf(file = "DE_heatmap.pdf", height = 8, width = 10)
grid.newpage()
pushViewport(viewport(layout = grid.layout(nrow = 2,
heights = unit(c(0.93, 0.07), "npc"))))
# 1：Heatmap
pushViewport(viewport(layout.pos.row = 1))
grid.draw(heatmap_result$gtable)
popViewport()
# 2：（）
```

```
pushViewport(viewport(layout.pos.row = 2))
grid.text(label = sample_text,
x = 0.5,
y = 0.5,
gp = gpar(fontsize = 13, fontface = "bold", col = "#333333"))
popViewport()
popViewport()
dev.off()
step7_end <- Sys.time()
cat("[Step 7]，:",
round(difftime(step7_end, step7_start, units="secs"), 2), "\n\n")
# ========================== 8. Volcano plot ==========================
step8_start <- Sys.time()
cat("[Step 8] Volcano plot...\n")
#， Output
significance_status <- ifelse(
(all_diff_results$adj.P.Val < threshold_adjP & abs(all_diff_results$logFC) > threshold_logFC),
ifelse(all_diff_results$logFC > threshold_logFC, "Up regulated", "Down regulated"),
"Not Significant"
)
all_diff_results$Significance <- significance_status
# Volcano plot，， ifelse
volcano_plot <- ggplot(all_diff_results, aes(x = logFC, y = -log10(adj.P.Val))) +
geom_point(aes(color = Significance), size = 2.5, alpha = 0.8) +
scale_color_manual(values = c("Down regulated"  = "#1E90FF",
"Not Significant" = "#808080",
```

```
"Up regulated"    = "#FF4500")) +
geom_vline(xintercept = c(-threshold_logFC, threshold_logFC),
linetype = "dashed", color = "black", size = 0.5) +
geom_hline(yintercept = -log10(threshold_adjP),
linetype = "dashed", color = "black", size = 0.5) +
labs(title = "Volcano Plot of Differential Expression",
x = "Log2 Fold Change",
y = "-Log10 Adjusted P-value") +
theme_minimal(base_size = 14) +
theme(plot.title    = element_text(face = "bold", hjust = 0.5, color = "#2F4F4F"),
axis.title    = element_text(face = "bold", color = "#2F4F4F"),
axis.text     = element_text(color = "#2F4F4F"),
panel.grid.major = element_line(color = "#D3D3D3", linetype = "dotted"),
panel.grid.minor = element_blank())
# Save fileVolcano plot PDF
pdf(file = "DE_volcano.pdf", width = 6, height = 6)
print(volcano_plot)
dev.off()
step8_end <- Sys.time()
cat("[Step 8]，:", round(difftime(step8_end, step8_start, units="secs"), 2), "\n\n")
# ========================= 9. PCA Analysis =========================
step9_start <- Sys.time()
cat("[Step 9]  PCA Analysis...\n")
# ggplot2  ggrepel （）
if (!requireNamespace("ggplot2", quietly = TRUE)) {
install.packages("ggplot2")
```

```
}
if (!requireNamespace("ggrepel", quietly = TRUE)) {
install.packages("ggrepel")
}
if (!requireNamespace("ggpubr", quietly = TRUE)) {
install.packages("ggpubr")
}
library(ggplot2)
library(ggrepel)
library(ggpubr)
# PCA
pca_result <- prcomp(t(combined_expr), scale. = TRUE)
# PCA Data
pca_df <- data.frame(
Sample = colnames(combined_expr),
PC1 = pca_result$x[, 1],
PC2 = pca_result$x[, 2],
Group = factor(c(rep("Control", num_ctrl), rep("Treatment", num_treat)))
)
# PCA （）
pca_var <- pca_result$sdev^2
pca_var_perc <- round(100 * pca_var / sum(pca_var), 1)
# PCA
pca_plot <- ggplot(pca_df, aes(x = PC1, y = PC2, color = Group)) +
# ， Data
stat_ellipse(level = 0.95, linetype = "dashed", size = 1) +
```

```
# ，  ，
geom_point(size = 4, alpha = 0.8, shape = 16) +

geom_text_repel(aes(label = Sample), size = 4, fontface = "bold", max.overlaps = 15) +
# ，  （）
scale_color_manual(values = c("Control" = "# 0072B2",  #
"Treatment" = "# E69F00")) + #
# ，
labs(title = "PCA Analysis of Gene Expression",
x = paste("PC1 (", pca_var_perc[1], "%)", sep = ""),
y = paste("PC2 (", pca_var_perc[2], "%)", sep = ""),
color = "") +

theme_classic(base_size = 16) +
theme(
plot.title    = element_text(face = "bold", hjust = 0.5, size = 18, color = "#333333"),
axis.title    = element_text(face = "bold", size = 16, color = "#333333"),
axis.text     = element_text(size = 14, color = "#555555"),
legend.text   = element_text(size = 14, face = "bold"),
legend.position = "top",
panel.grid.major = element_line(color = "#DDDDDD", linetype = "dotted"),
panel.grid.minor = element_blank()
)
# Save file PCA
ggsave("DE_PCA.pdf", pca_plot, width = 7, height = 7, dpi = 300)
step9_end <- Sys.time()
```

```
cat("[Step 9] PCA Analysis，:",
round(difftime(step9_end, step9_start, units="secs"), 2), "\n\n")

library(ggplot2)
library(RColorBrewer)
# Data，log2FoldChange（logFC）p（adj.P.Val）
# GenerateData
set.seed(123)
gene_data <- data.frame(
Gene = paste("Gene", 1:10000),
logFC = c(rnorm(5000, 2, 1), rnorm(5000, -2, 1)),  # log2FoldChange
adj.P.Val = runif(10000, 0, 1)  # p
)
# logFCp
gene_data <- gene_data[order(gene_data$logFC, decreasing = TRUE),]

color_palette <- scale_color_gradientn(
colors = rev(brewer.pal(9, "RdYlBu")),
values = scales::rescale(c(0, 0.25, 0.5, 0.75, 1))
)

plot <- ggplot(gene_data, aes(x = seq_along(logFC), y = logFC)) +
geom_point(aes(color = adj.P.Val, size = abs(logFC)), alpha = 0.8) +  # p，logFC
color_palette +  # p
scale_size_continuous(range = c(5, 12)) +
labs(
```

```
title = "Gene Ranking Dotplot",
x = "Ranking of Differentially Expressed Genes",
y = "Log2 Fold Change",
color = "Adjusted P-value",
size = "Log2 Fold Change"
) +
theme_minimal(base_size = 16) +  # ，
theme(
plot.title = element_text(size = 18, face = "bold", color = "#2F4F4F", hjust = 0.5),
axis.title = element_text(size = 16, face = "bold", color = "#2F4F4F"),
axis.text = element_text(size = 14, color = "#555555"),
legend.position = "right",
legend.title = element_text(size = 14, face = "bold"),
legend.text = element_text(size = 12),
panel.grid.major = element_line(color = "#D3D3D3", linetype = "dotted"),
panel.grid.minor = element_blank()
)
# Save filePDF，
ggsave("123.pdf", plot, width = 10, height = 8, dpi = 300)
# AnalysisResults all_diff_results，
de_table <- all_diff_results
# （，top）
sig_degs <- de_table[with(de_table, abs(logFC) > threshold_logFC & adj.P.Val <
threshold_adjP), ]
# logFC，Top25&Top25
up_top <- rownames(sig_degs)[order(-sig_degs$logFC)][1:25]     # logFC top25
```

```
down_top <- rownames(sig_degs)[order(sig_degs$logFC)][1:25]    # logFC top25

label_genes <- unique(c(up_top, down_top))

# geneResults

de_table$Gene <- rownames(de_table)

# ： top50gene name，

de_table$label <- ifelse(de_table$Gene %in% label_genes, de_table$Gene, "")

# （， Significance）

de_table$Group <- "Not Significant"

de_table$Group[de_table$logFC > threshold_logFC & de_table$adj.P.Val < threshold_adjP] <-
"Up regulated"

de_table$Group[de_table$logFC < -threshold_logFC & de_table$adj.P.Val < threshold_adjP]
<- "Down regulated"

# Volcano plot

volcano_plot <- ggplot(de_table, aes(x=logFC, y=-log10(adj.P.Val), color=Group)) +

geom_point(alpha=0.7, size=2) +

geom_text_repel(aes(label=label), # label

size=3,

max.overlaps=50,

box.padding = 0.3,

point.padding = 0.2,

segment.color="grey50",

show.legend = FALSE) +

scale_color_manual(values = c("Up regulated"="#FF4500",

"Down regulated"="#1E90FF",

"Not Significant"="#808080")) +

geom_vline(xintercept = c(-threshold_logFC, threshold_logFC), linetype="dashed",
color="black") +
```

```
geom_hline(yintercept = -log10(threshold_adjP), linetype="dashed", color="black") +

labs(title="Volcano Plot with Top 25 Genes Labeled",

x="Log2 Fold Change",

y="-Log10 Adjusted P-value") +

theme_minimal(base_size = 14) +

theme(plot.title=element_text(face="bold", hjust=0.5, color="#2F4F4F"))

# Save file

ggsave("DE_volcano_with_labels.pdf", volcano_plot, width=8, height=8, dpi=300)

# ==========================  ==========================

library(ggplot2)

library(ggrepel)

# 1.

base_plot <- ggplot(de_table, aes(x=logFC, y=-log10(adj.P.Val), color=Group)) +

geom_point(alpha=0.7, size=2) +

scale_color_manual(values = c("Up regulated"="#FF4500",

"Down regulated"="#1E90FF",

"Not Significant"="#808080")) +

geom_vline(xintercept = c(-threshold_logFC, threshold_logFC), linetype="dashed",
color="black") +

geom_hline(yintercept = -log10(threshold_adjP), linetype="dashed", color="black") +

labs(title="Volcano Plot (Custom Genes Labeled w/ Arrow)",

x="Log2 Fold Change",

y="-Log10 Adjusted P-value") +

theme_minimal(base_size = 14) +

theme(plot.title=element_text(face="bold", hjust=0.5, color="#2F4F4F"))

# 2.  gene.csv ，  geom_label_repel
```

```
highlight_df <- de_table[de_table$Gene %in% gene_mark_vec, ]
base_plot <- base_plot +
ggrepel::geom_label_repel(
data = highlight_df,
aes(label = Gene),
size = 3.2,
fontface = "bold",
color = "black",
box.padding = 0.3,
point.padding = 0.2,
fill = "# FFFDE4",       #
label.size = 0.2,
segment.color = "# C71C22", #
segment.size = 0.7,
min.segment.length = 0,
arrow = arrow(length = unit(0.22, "cm"), type = "closed"),
force = 1.5,
max.overlaps = Inf,      # gene.csv
direction = "y",
show.legend = FALSE
)
# 3. Save file
ggsave("DE_volcano_genelist_labels_forcearrow.pdf", base_plot, width=8, height=8, dpi=300)
cat(" !  \n")
# ==========================================================================
========
```

```
# DataResults，Plot

# ==========================================================================
========

library(ggplot2)

library(ggpubr)

library(reshape2)

# Set working directory

setwd("D:\\BaiduNetdiskDownload\\MR\\28Immune cellAnalysis")

cat("===  ===\n")

# Read data

inputFile <- "CIBERSORT-Results.txt"

rt <- read.table(inputFile, header = TRUE, sep = "\t", check.names = FALSE, row.names = 1)

# Data

con <- grepl("_Control", rownames(rt), ignore.case = TRUE)

treat <- grepl("_Treat", rownames(rt), ignore.case = TRUE)

conData <- rt[con, ]

treatData <- rt[treat, ]

# Results（Analysis）

significant_results <- data.frame(

CellType = c("B cells memory", "Plasma cells", "NK cells activated", "Macrophages M0",
"Neutrophils"),

P_value = c(0.0006, 0.0194, 0.0308, 0.0235, 0.0141),

Significance = c("***", "*", "*", "*", "*"),

stringsAsFactors = FALSE

)
```

```
cat("Immune cell:\n")

print(significant_results)

# Data

Type <- gsub("(.*)\\_(.*)", "\\2", rownames(rt))

Type <- ifelse(grepl("Control", Type, ignore.case = TRUE), "Control",

ifelse(grepl("Treat", Type, ignore.case = TRUE), "Treat", Type))

Type <- factor(Type, levels = c("Control", "Treat"))

data_combined <- cbind(rt, Type = Type)

data_long <- melt(data_combined, id.vars = "Type", variable.name = "Immune", value.name
= "Expression")

# Data

data_long$Type <- factor(data_long$Type, levels = c("Control", "Treat"))

data_long$Expression <- as.numeric(data_long$Expression)

data_long$Immune <- factor(data_long$Immune)

#
==========================================================================
========

# ,

#
==========================================================================
========

bioCol <- c("#0066FF", "#FF0000")



p_complete <- ggboxplot(data_long,

x = "Immune",

y = "Expression",

color = "Type",

xlab = "",
```

```
ylab = "Fraction",
legend.title = "Type",
add = "jitter",
add.params = list(size = 0.5, alpha = 0.6),
width = 0.7,
palette = bioCol) +
rotate_x_text(45) +
theme(plot.margin = margin(20, 20, 20, 20))
# Y
for (i in 1:nrow(significant_results)) {
cell_type <- significant_results$CellType[i]
significance <- significant_results$Significance[i]

cell_data <- data_long[data_long$Immune == cell_type, ]
max_exp <- max(cell_data$Expression, na.rm = TRUE)
# X
x_pos <- which(levels(data_long$Immune) == cell_type)

p_complete <- p_complete +
annotate("text", x = x_pos, y = max_exp * 1.15,
label = significance, size = 4, color = "red", fontface = "bold")
}
# Save file
pdf(file = "immune_complete_with_significance.pdf", width = 16, height = 8)
print(p_complete)
dev.off()
```

```
cat("（）Save file: immune_complete_with_significance.pdf\n")

# ========================================================================
========


# ========================================================================
========


data_significant <- data_long[data_long$Immune %in% significant_results$CellType, ]

p_significant <- ggboxplot(data_significant,

x = "Immune",

y = "Expression",

color = "Type",

xlab = "",

ylab = "Fraction",

legend.title = "Type",

add = "jitter",

add.params = list(size = 1, alpha = 0.7),

width = 0.7,

palette = bioCol) +

rotate_x_text(45) +

labs(title = "Immune cell (5)") +

theme(plot.title = element_text(hjust = 0.5, size = 14),

axis.text = element_text(size = 12),

legend.text = element_text(size = 12))


for (i in 1:nrow(significant_results)) {
```

```
cell_type <- significant_results$CellType[i]

significance <- significant_results$Significance[i]

# Data

cell_data <- data_significant[data_significant$Immune == cell_type, ]

max_exp <- max(cell_data$Expression, na.rm = TRUE)

# X

unique_cells <- unique(data_significant$Immune)

x_pos <- which(unique_cells == cell_type)

p_significant <- p_significant +

annotate("text", x = x_pos, y = max_exp * 1.2,

label = significance, size = 5, color = "red", fontface = "bold")

}

pdf(file = "immune_significant_only_clear.pdf", width = 10, height = 6)

print(p_significant)

dev.off()

cat("Save file: immune_significant_only_clear.pdf\n")

# ==========================================================================

# （）

# ==========================================================================

# 22

all_types <- levels(data_long$Immune)

part1_types <- all_types[1:11]

part2_types <- all_types[12:22]
```

```
data_part1 <- data_long[data_long$Immune %in% part1_types, ]
p_part1 <- ggboxplot(data_part1,
x = "Immune",
y = "Expression",
color = "Type",
xlab = "",
ylab = "Fraction",
legend.title = "Type",
add = "jitter",
width = 0.7,
palette = bioCol) +
rotate_x_text(45) +
labs(title = "Immune cellAnalysis - Part 1") +
theme(plot.title = element_text(hjust = 0.5))

part1_significant <- significant_results[significant_results$CellType %in% part1_types, ]
for (i in 1:nrow(part1_significant)) {
cell_type <- part1_significant$CellType[i]
significance <- part1_significant$Significance[i]
cell_data <- data_part1[data_part1$Immune == cell_type, ]
max_exp <- max(cell_data$Expression, na.rm = TRUE)
x_pos <- which(part1_types == cell_type)
p_part1 <- p_part1 +
annotate("text", x = x_pos, y = max_exp * 1.15,
label = significance, size = 4, color = "red", fontface = "bold")
}
```

```
pdf(file = "immune_part1_clear.pdf", width = 12, height = 7)
print(p_part1)
dev.off()

data_part2 <- data_long[data_long$Immune %in% part2_types, ]
p_part2 <- ggboxplot(data_part2,
x = "Immune",
y = "Expression",
color = "Type",
xlab = "",
ylab = "Fraction",
legend.title = "Type",
add = "jitter",
width = 0.7,
palette = bioCol) +
rotate_x_text(45) +
labs(title = "Immune cellAnalysis - Part 2") +
theme(plot.title = element_text(hjust = 0.5))

part2_significant <- significant_results[significant_results$CellType %in% part2_types, ]
for (i in 1:nrow(part2_significant)) {
cell_type <- part2_significant$CellType[i]
significance <- part2_significant$Significance[i]
cell_data <- data_part2[data_part2$Immune == cell_type, ]
max_exp <- max(cell_data$Expression, na.rm = TRUE)
x_pos <- which(part2_types == cell_type)
```

```
p_part2 <- p_part2 +
annotate("text", x = x_pos, y = max_exp * 1.15,
label = significance, size = 4, color = "red", fontface = "bold")
}
pdf(file = "immune_part2_clear.pdf", width = 12, height = 7)
print(p_part2)
dev.off()
cat("Save file: immune_part1_clear.pdf  immune_part2_clear.pdf\n")
# ==========================================================================
# Results
# ==========================================================================
cat("\n===  ===\n")
cat("Immune cell:\n")
for (i in 1:nrow(significant_results)) {
row <- significant_results[i, ]
# ControlTreat
control_mean <- mean(conData[, row$CellType], na.rm = TRUE)
treat_mean <- mean(treatData[, row$CellType], na.rm = TRUE)
direction <- ifelse(treat_mean > control_mean, "↑ ", "↓ ")
fold_change <- round(treat_mean / control_mean, 2)
percent_change <- round((treat_mean - control_mean) / control_mean * 100, 1)
cat(sprintf("%d. %s %s\n", i, row$CellType, row$Significance))
cat(sprintf("   Control: %.4f → Treat: %.4f\n", control_mean, treat_mean))
cat(sprintf("   : %s %.1f%% (%.2fx)\n", direction, abs(percent_change), fold_change))
```

```
cat(sprintf("   P: %.6f\n\n", row$P_value))

}

cat("=== Generatefile ===\n")

cat("1. immune_complete_with_significance.pdf - （22，***）\n")

cat("2. immune_significant_only_clear.pdf - （5，）\n")

cat("3. immune_part1_clear.pdf - 1（）\n")

cat("4. immune_part2_clear.pdf - 2（）\n")

cat("\n✓ Plot，  ***  * ！ \n")

cat("\n: immune_significant_only_clear.pdf（）\n")

# Load required libraries

library(TwoSampleMR)

exposureFile <- "473exposure.F.csv"  # Exposure datafile

outcomeFile <- "outcome.csv"  # Outcome datafile

sigGutFile <- "immune-disease.IVWfilter.csv"  # IVWResultsfile

outcomeName <- "Crohn's disease"  # Outcome

setwd("D:\\BaiduNetdiskDownload\\MR\\09 对有意义的暴露因素单独出图表")  # Set working directory

# ReadExposure datafile

rt <- read.csv(exposureFile, header = TRUE, sep = ",", check.names = FALSE)

# ReadIVWResultsfile

sigGut <- read.csv(sigGutFile, header = TRUE, sep = ",", check.names = FALSE)


for (i in sigGut$exposure) {


sanitized_name <- gsub("[^A-Za-z0-9_]", "_", i)

singleExposureFile <- paste0(sanitized_name, ".exposure.csv")
```

```
exposure_set <- rt[rt$exposure == i, ]
write.csv(exposure_set, file = singleExposureFile, row.names = FALSE)
# ReadExposure data
exposure_dat <- read_exposure_data(filename = singleExposureFile,
sep = ",",
snp_col = "SNP",
beta_col = "beta.exposure",
se_col = "se.exposure",
pval_col = "pval.exposure",
effect_allele_col = "effect_allele.exposure",
other_allele_col = "other_allele.exposure",
eaf_col = "eaf.exposure",
phenotype_col = "exposure",
samplesize_col = "samplesize.exposure",
chr_col = "chr.exposure", pos_col = "pos.exposure",
clump = FALSE)
# ReadOutcome data
outcome_data <- read_outcome_data(snps = exposure_dat$SNP,
filename = outcomeFile, sep = ",",
snp_col = "SNP",
beta_col = "beta.outcome",
se_col = "se.outcome",
effect_allele_col = "effect_allele.outcome",
other_allele_col = "other_allele.outcome",
pval_col = "pval.outcome",
eaf_col = "eaf.outcome")
```

```
# Exposure dataOutcome data

outcome_data$outcome <- outcomeName

dat <- harmonise_data(exposure_dat, outcome_data)

# Output

outTab <- dat[dat$mr_keep == "TRUE", ]

write.csv(outTab, file = paste0(sanitized_name, ".table.SNP.csv"), row.names = FALSE)

# MR-PRESSO(SNP)

presso <- run_mr_presso(dat)

write.csv(presso[[1]]$`MR-PRESSO results`$`Global Test`, file = paste0(sanitized_name,
".table.MR-PRESSO_Global.csv"))

write.csv(presso[[1]]$`MR-PRESSO results`$`Outlier Test`, file = paste0(sanitized_name,
".table.MR-PRESSO_Outlier.csv"))

# Mendelian randomization analysis

mrResult <- mr(dat)

# ResultsOR

mrTab <- generate_odds_ratios(mrResult)

write.csv(mrTab, file = paste0(sanitized_name, ".table.MRresult.csv"), row.names = FALSE)

# Heterogeneity analysis

heterTab <- mr_heterogeneity(dat)

write.csv(heterTab, file = paste0(sanitized_name, ".table.heterogeneity.csv"), row.names =
FALSE)

# Pleiotropy test

pleioTab <- mr_pleiotropy_test(dat)

write.csv(pleioTab, file = paste0(sanitized_name, ".table.pleiotropy.csv"), row.names =
FALSE)

# Draw scatter plot

pdf(file = paste0(sanitized_name, ".scatter_plot.pdf"), width = 7, height = 6.5)

p1 <- mr_scatter_plot(mrResult, dat)
```

```
print(p1)
dev.off()
# Forest plot
res_single <- mr_singlesnp(dat)  # Outcome
pdf(file = paste0(sanitized_name, ".forest.pdf"), width = 6.5, height = 5)
p2 <- mr_forest_plot(res_single)
print(p2)
dev.off()
# Funnel plot
pdf(file = paste0(sanitized_name, ".funnel_plot.pdf"), width = 6.5, height = 6)
p3 <- mr_funnel_plot(singlesnp_results = res_single)
print(p3)
dev.off()
# Sensitivity analysis
pdf(file = paste0(sanitized_name, ".leaveoneout.pdf"), width = 6.5, height = 5)
p4 <- mr_leaveoneout_plot(leaveoneout_results = mr_leaveoneout(dat))
print(p4)
dev.off()
}
#install.packages("corrplot")
#install.packages("circlize")
# ,
# R
library(corrplot)  # Correlation
library(circlize)
inputFile = "diffGeneExp.txt"  # DatafilePath
```

```
setwd("D:\\BaiduNetdiskDownload\\MR\\26 基因的相关性分析")  # Set working directory

# Read datafile

data = read.table(inputFile, header = TRUE, sep = "\t", check.names = FALSE, row.names = 1)  # ReadDatafile

# "Treat"Data

group = gsub("(.*)\\_(.*)", "\\2", colnames(data))

data = data[, group == "Treat", drop = FALSE]  # "Treat"Data

rt = t(data)  # Data，，

# Correlation

cor1 = cor(rt)  # Correlation

# Correlation

col = c(rgb(1, 0, 0, seq(1, 0, length = 32)), rgb(0, 1, 0, seq(0, 1, length = 32)))

cor1[cor1 == 1] = 0  # （1）0，Plotting

c1 = ifelse(c(cor1) >= 0, rgb(1, 0, 0, abs(cor1)), rgb(0, 1, 0, abs(cor1)))  # Correlation

col1 = matrix(c1, nc = ncol(rt))  # Data

# Correlation

pdf(file = "circos.pdf", width = 13, height = 13)  # PDFfile，

par(mar = c(2, 2, 2, 4))

circos.par(gap.degree = c(3, rep(2, nrow(cor1) - 1)), start.degree = 180)

chordDiagram(cor1, grid.col = rainbow(ncol(rt)), col = col1, transparency = 0.5, symmetric = TRUE)

par(xpd = TRUE)  # PlotPlotting

colorlegend(col, vertical = TRUE, labels = c(1, 0, -1), xlim = c(1.1, 1.3), ylim = c(-0.4, 0.4))

dev.off()  # PDF

circos.clear()  # circos

# CorrelationHeatmap
```

```
pdf(file = "corrplot.pdf", width = 12, height = 12)  # PDFfile，

corrplot(cor1,  # Correlation

method = "pie",  # Correlation

order = "hclust",

type = "upper",

col = colorRampPalette(c("green", "white", "red"))(50)

)

dev.off()  # PDF


library(glmnet)

library(pROC)

# filePath

expFile="GSE3365.normalize.txt"      # Datafile

geneFile="gene.txt"        # file

setwd("D:\\BaiduNetdiskDownload\\MR\\34 外部验证集诊断模型的 ROC 曲线")    # Set working directory

# ReadDatafile

rt = read.table(expFile, header=T, sep="\t", check.names=F, row.names=1)


y = gsub("(.*)\\_(.*)", "\\2", colnames(rt))

y = ifelse(y == "Control", 0, 1)

# Readfile

geneRT = read.table(geneFile, header=F, sep="\t", check.names=F)

# GenerateROC curve

bioCol = rainbow(nrow(geneRT), s=0.9, v=0.9)

aucText = c()
```

```
k = 0
for (x in as.vector(geneRT[,1])) {
k = k + 1
# GenerateROC curve
roc1 = roc(y, as.numeric(rt[x,]))     # ROC curve
if (k == 1) {
pdf(file="ROC.genes.pdf", width=5, height=4.75)
plot(roc1, print.auc=F, col=bioCol[k], legacy.axes=T, main="")
aucText = c(aucText, paste0(x, ", AUC=", sprintf("%.3f", roc1$auc[1])))
} else {
plot(roc1, print.auc=F, col=bioCol[k], legacy.axes=T, main="", add=TRUE)
aucText = c(aucText, paste0(x, ", AUC=", sprintf("%.3f", roc1$auc[1])))
}
}
# ，ROC curveAUC
legend("bottomright", aucText, lwd=2, bty="n", col=bioCol[1:(ncol(rt)-1)])
dev.off()
# GenerateModel
rt = rt[as.vector(geneRT[,1]),]
rt = as.data.frame(t(rt))
logit = glm(y ~ ., family=binomial(link='logit'), data=rt)
pred = predict(logit, newx=rt)     # Model
# ModelROC curve
roc1 = roc(y, as.numeric(pred))      # ModelROC curve
ci1 = ci.auc(roc1, method="bootstrap")     # ROC curve
ciVec = as.numeric(ci1)
```

```
pdf(file="ROC.model.pdf", width=5, height=4.75)

plot(roc1, print.auc=TRUE, col="red", legacy.axes=T, main="Model")

# ROC curve

polygon(c(roc1$specificities, 1), c(roc1$sensitivities, 0), col=rgb(1, 0, 0, 0.2), border=NA)

text(0.39, 0.43, paste0("95% CI: ", sprintf("%.3f", ciVec[1]), "-", sprintf("%.3f", ciVec[3])),
col="red")

dev.off()

# AUC

set.seed(123)

y_noisy = sample(y)

logit_noisy = glm(y_noisy ~ ., family=binomial(link='logit'), data=rt)

pred_noisy = predict(logit_noisy, newx=rt)

# ROC curve

roc1_noisy = roc(y_noisy, as.numeric(pred_noisy))

#pdf(file="ROC.model_noisy.pdf", width=5, height=4.75)

plot(roc1_noisy, print.auc=TRUE, col="blue", legacy.axes=T, main="")

# ROC curve

polygon(c(roc1_noisy$specificities, 1), c(roc1_noisy$sensitivities, 0), col=rgb(0, 0, 1, 0.2),
border=NA)

dev.off()

# circlize，

#install.packages("circlize")

# R

library(circlize)

# filePath

geneFile = "gene.txt"  # file

posFile = "geneREF.txt"  # file
```

```
# Set working directory
setwd("D:\\BaiduNetdiskDownload\\MR\\25")
# Readfile，
genepos = read.table(posFile, header = TRUE, sep = "\t", check.names = FALSE)
colnames(genepos) = c('genename', 'chr', 'start', 'end')  # 、、、
genepos = genepos[, c('chr', 'start', 'end', 'genename')]
row.names(genepos) = genepos[, 'genename']
# Readfile
geneRT = read.table(geneFile, header = FALSE, sep = "\t", check.names = FALSE)
genepos = genepos[as.vector(geneRT[, 1]), ]
bed0 = genepos  # Save filebed0
# Save filePDFfile
pdf(file = "circlize.pdf", width = 6, height = 6)  # Save filePDFPlotting

circos.clear()  # circlize
circos.initializeWithIdeogram(species = "hg38", plotType = NULL)  # hg38

circos.track(ylim = c(0, 1), panel.fun = function(x, y) {
chr = CELL_META$sector.index
xlim = CELL_META$xlim
ylim = CELL_META$ylim  # Plottingy
circos.rect(xlim[1], 0, xlim[2], 1, col = rand_color(24))
circos.text(mean(xlim), mean(ylim), chr, cex = 0.6, col = "white",
facing = "inside", niceFacing = TRUE)
}, track.height = 0.15, bg.border = NA)
```

```
circos.genomicIdeogram(species = "hg38", track.height = mm_h(6))


circos.genomicLabels(bed0, labels.column = 4, side = "inside", cex = 0.8)
# circlize
circos.clear()
# PDFOutput
dev.off()
# BioconductorBiocManager
#if (!requireNamespace("BiocManager", quietly = TRUE))
#    install.packages("BiocManager")
# BiocManager::install("limma")  # limma
#if (!requireNamespace("BiocManager", quietly = TRUE))
#    install.packages("BiocManager")
# BiocManager::install("sva")  # sva
# R
library(limma)  # limma，AnalysisData
library(sva)    # sva，
# Set working directoryGEODatafile
setwd("D:\\BaiduNetdiskDownload\\MR\\22GEOData")
# ".txt"file
files = dir()  # file
files = grep("txt$", files, value = TRUE)  # .txtfile
geneList = list()  # ，file
# Readtxtfile，file
for (file in files) {
if (file == "merge.preNorm.txt") { next }  # file
```

```
if (file == "merge.normalize.txt") { next }  # file
rt = read.table(file, header = TRUE, sep = "\t", check.names = FALSE)  # Read datafile
geneNames = as.vector(rt[, 1])
uniqGene = unique(geneNames)
header = unlist(strsplit(file, "\\.|\\-"))  # ""-"file
geneList[[header[1]]] = uniqGene  # file
}
# file
interGenes = Reduce(intersect, geneList)  # intersectfile
# Data，Data
allTab = data.frame()
batchType = c()
# Readfile，Data
for (i in 1:length(files)) {
inputFile = files[i]
if (file == "merge.preNorm.txt") { next }  # file
if (file == "merge.normalize.txt") { next }  # file
header = unlist(strsplit(inputFile, "\\.|\\-"))  # file
# ReadfileData
rt = read.table(inputFile, header = TRUE, sep = "\t", check.names = FALSE)
rt = as.matrix(rt)
rownames(rt) = rt[, 1]
exp = rt[, 2:ncol(rt)]
dimnames = list(rownames(exp), colnames(exp))
data = matrix(as.numeric(as.matrix(exp)), nrow = nrow(exp), dimnames = dimnames)
rt = avereps(data)
```

```
colnames(rt) = paste0(header[1], "_", colnames(rt))  # file

# Data

if (i == 1) {

allTab = rt[interGenes, ]  # file，allTab

} else {

allTab = cbind(allTab, rt[interGenes, ])  # file

}

batchType = c(batchType, rep(i, ncol(rt)))

}

# DataSave filefile

outTab = rbind(geneNames = colnames(allTab), allTab)  # Data

write.table(outTab, file = "merge.preNorm.txt", sep = "\t", quote = FALSE, col.names =
FALSE)  # Save filefile

# ComBat

outTab = ComBat(allTab, batchType, par.prior = TRUE)

outTab = rbind(geneNames = colnames(outTab), outTab)

write.table(outTab, file = "merge.normalize.txt", sep = "\t", quote = FALSE, col.names =
FALSE)  # Save filefile

#if (!requireNamespace("BiocManager", quietly = TRUE))

#    install.packages("BiocManager")

#BiocManager::install("limma")

# BiocManager，BiocManager，。

# BiocManager::install("limma")  # limma，DataAnalysis

library(limma)  # limma，Analysis

expFile = "GSE28750.normalize.txt"  # DatafilePath

geneFile = "gene.txt"  # filePath
```

```
setwd("D:\\BaiduNetdiskDownload\\MR\\23 提取基因的表达数据")  # Set working directoryPath

# ReadDatafile，Data

rt = read.table(expFile, header = TRUE, sep = "\t", check.names = FALSE)  # ReadDatafile，

rt = as.matrix(rt)  # Data

rownames(rt) = rt[,1]  # （）

exp = rt[, 2:ncol(rt)]  # ，Data

dimnames = list(rownames(exp), colnames(exp))

data = matrix(as.numeric(as.matrix(exp)), nrow = nrow(exp), dimnames = dimnames)  # Data，Data

data = avereps(data)  # avereps，

data = data[rowMeans(data) > 0, ]  # 0

# Readfile，Data

gene = read.table(geneFile, header = FALSE, sep = "\t", check.names = FALSE)  # Readfile

sameGene = intersect(as.vector(gene[, 1]), rownames(data))  # Data

geneExp = data[sameGene, ]  # Data

# DataOutputfile

outTab = rbind(ID = colnames(geneExp), geneExp)  # IDResults

write.table(outTab, file = "snpExp.txt", sep = "\t", quote = FALSE, col.names = FALSE)  # ResultsSave filefile

# （，）

#install.packages("grid")

#install.packages("readr")

#install.packages("forestploter")

# Load required libraries

library(grid)

library(readr)
```

```
library(forestploter)


selectMethod <- c("Inverse variance weighted")

# Set working directory

setwd("D:\\BaiduNetdiskDownload\\MR\\10 森林图")  # Set working directory

# file

files <- dir()  # file

files <- grep("MRresult.csv$", files, value = TRUE)  # csvfile

# ReadMendelian randomization analysisResults

data <- data.frame()  # Data

for (i in files) {

rt <- read.csv(i, header = TRUE, sep = ",", check.names = FALSE)  # Readcsvfile

data <- rbind(data, rt)  # ReadData

}

data <- data[(data$method %in% selectMethod), ]  # Data，

lineVec <- cumsum(c(1, table(data[,"exposure"])))  # Exposure

# Data

data$' ' <- paste(rep(" ", 10), collapse = " ")

data$'OR(95% CI)' <- ifelse(is.na(data$or), "", sprintf("%.3f (%.3f to %.3f)", data$or,
data$or_lci95, data$or_uci95))  # OR95%CI

data$pval <- ifelse(data$pval < 0.001, "<0.001", sprintf("%.3f", data$pval))  # p

data$exposure <- ifelse(is.na(data$exposure), "", data$exposure)  # Exposure

data$nsnp <- ifelse(is.na(data$nsnp), "", data$nsnp)  # SNP

# Exposure

if (any(duplicated(data$exposure))) {

data[duplicated(data$exposure), ]$exposure <- ""  # Exposure
```

```
}

# Plot

tm <- forest_theme(base_size = 18,  # Plot

ci_pch = 16, ci_lty = 1, ci_lwd = 1.5, ci_col = "black", ci_Theight = 0.2,  # 、、、、

refline_lty = "dashed", refline_lwd = 1, refline_col = "grey20",  # 、、

xaxis_cex = 0.8,  # x

footnote_cex = 0.6, footnote_col = "blue")  # 、

# Plot

plot <- forestploter::forest(data[, c("exposure", "nsnp", "method", "pval", " ", "OR(95% CI)")],

est = data$or,  # OR

lower = data$or_lci95,  # OR

upper = data$or_uci95,  # OR

ci_column = 5,

ref_line = 1,

xlim = c(0, 3),  # X

theme = tm)  # Plot

# Plot

boxcolor <- c("#
E64B35","#4DBBD5","#00A087","#3C5488","#F39B7F","#8491B4","#91D1C2","#DC0000",
"#7E6148")  #

boxcolor <- boxcolor[as.numeric(as.factor(data$method))]

for (i in 1:nrow(data)) {

plot <- edit_plot(plot, col = 5, row = i, which = "ci", gp = gpar(fill = boxcolor[i], fontsize = 25))

}

# pvalue

pos_bold_pval <- which(as.numeric(gsub('<', "", data$pval)) < 0.05)  # p0.05

if (length(pos_bold_pval) > 0) {
```

```
for (i in pos_bold_pval) {

plot <- edit_plot(plot, col = 4, row = i, which = "text", gp = gpar(fontface = "bold"))  # p

}

}

# Plot

plot <- add_border(plot, part = "header", row = 1, where = "top", gp = gpar(lwd = 2))

plot <- add_border(plot, part = "header", row = lineVec, gp = gpar(lwd = 1))  # Exposure

# ,

plot <- edit_plot(plot, col = 1:ncol(data), row = 1:nrow(data), which = "text", gp =
gpar(fontsize = 12))

plot <- edit_plot(plot, col = 1:ncol(data), which = "text", hjust = unit(0.5, "npc"), part =
"header", x = unit(0.5, "npc"))

plot <- edit_plot(plot, col = 1:ncol(data), which = "text", hjust = unit(0.5, "npc"), x = unit(0.5,
"npc"))

# OutputPlot

pdf("forest.pdf", width = 20, height = 25)  # PDFfile

print(plot)  # OutputPlotPDF

dev.off()  # PDF

# ##  ###
```

Ethics Committee of First Affiliated Hospital of Harbin Medical University

Review Decision Form of the Ethics Committee of First Affiliated Hospital of Harbin Medical University

Ethics Committee Name	Ethics Committee of First Affiliated Hospital of Harbin Medical University
Project Name	Based on cytokines, inflammatory proteins and modified inflammatory cytokines to analyze the early diagnostic markers and pathogenesis of diabetic peripheral neuropathy
Specialty Group	Neurology
Committee Voting Opinion	Votes
Agree	5 votes
Agree with modification	0 votes
Disagree	0 votes
Terminate or suspend research already approved	0 votes
Attendance	5 people

Accompanying Documents:

1. Ethics review application form
2. Initial review application form
3. Clinical research protocol (V1.0, 2023.01.08)
4. Informed consent form (V2.0, 2023.02.07)
5. Principal investigator's professional resume
6. GCP certificate
7. Research personnel list

Review Comments:

Agree to conduct the research

Notes:

1. If the research protocol, informed consent form, recruitment materials, or any other modifications occur during the research, please submit the relevant corrected materials for review.
2. In case of unexpected serious adverse reactions, serious adverse events, or when the applicant considers safety issues to be reported, they should report them in time.
3. Please follow the annual/periodic follow-up review frequency (every 12 months) determined by the Ethics Committee. The applicant should submit a research progress report to the Ethics Committee by December of 2023, and the Ethics Committee will conduct on-site inspections of the research when necessary. The applicant should report to the Ethics Committee in writing in a timely manner.
4. The research participants have not fully understood the standard therapy combined with the tested therapy they are receiving, and they must be informed before participating in the research; based on the considerations of subjects' rights and interests, giving the participants proper combined medication is allowed, or the research design can be modified.

No: IRB-AF/SC-00/04.0

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Ethics Committee of First Affiliated Hospital of Harbin Medical University

The Ethics Committee of First Affiliated Hospital of Harbin Medical University

If the subject's rights/health or research scientific integrity is compromised or violations of GCP principles occur, please have the applicant/supervisor/researcher report to the Ethics Committee.

1. For the clinical research before or after the applicant's enrollment, please submit a progress report/final clinical research report.
2. When the clinical research is completed, please submit a research completion report in time.
3. The validity period of this approval is from the date of signing to one year.

Chairman/Vice Chairman Signature: [Signature appears here]

Signing Date: February 15, 2023

[Official Seal of the Ethics Committee of First Affiliated Hospital of Harbin Medical University]

No: IRB-AF/SC-00/04.0